

LAB CHRONICLE

OrderID:	Q3017	OrderDate:	9/4/2025 10:17:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3017-02	TT-076-IDWGW-2025 0903	Water			09/03/25			09/04/25
			Mercury	7470A				
			Metals ICP-TAL	6010D		09/05/25	09/05/25	
Q3017-03	TT-077-IDWGW-2025 0903	Water			09/03/25			09/04/25
			Mercury	7470A				
			Metals ICP-TAL	6010D		09/05/25	09/05/25	
Q3017-04	TT-078-IDWGW-2025 0903	Water			09/03/25			09/04/25
			Mercury	7470A				
			Metals ICP-TAL	6010D		09/05/25	09/05/25	
Q3017-05	TT-079-IDWGW-2025 0903	Water			09/03/25			09/04/25
			Mercury	7470A				
			Metals ICP-TAL	6010D		09/05/25	09/05/25	

Hit Summary Sheet SW-846

SDG No.: Q3017 **Order ID:** Q3017
Client: Tetra Tech NUS, Inc. **Project ID:** NWIRP Bethpage 112G08005-WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TT-076-IDWGW-20250903									
Q3017-02	TT-076-IDWGW-20250903	Water	Aluminum	23900	D	28.4	200	250	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Barium	44.3	JD	36.4	62.5	250	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Calcium	9690	D	585	1250	5000	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Chromium	27.0	D	5.30	12.5	25.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Cobalt	7.07	JD	5.65	18.8	75.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Copper	24.3	JD	11.5	40.0	50.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Iron	11200	D	58.5	200	250	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Lead	22.4	JD	5.75	24.0	30.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Magnesium	3990	JD	610	1250	5000	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Manganese	168	D	14.9	37.5	50.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Nickel	18.9	JD	7.65	25.0	100	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Potassium	61600	D	2300	4000	5000	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Sodium	53600	D	2170	2500	5000	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Vanadium	24.2	JD	15.7	50.0	100	ug/L
Client ID : TT-077-IDWGW-20250903									
Q3017-03	TT-077-IDWGW-20250903	Water	Aluminum	34900	D	28.4	200	250	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Barium	82.5	JD	36.4	62.5	250	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Beryllium	2.06	JD	1.40	3.75	15.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Calcium	12600	D	585	1250	5000	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Chromium	26.2	D	5.30	12.5	25.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Cobalt	8.47	JD	5.65	18.8	75.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Copper	20.0	JD	11.5	40.0	50.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Iron	21100	D	58.5	200	250	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Lead	32.5	D	5.75	24.0	30.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Magnesium	6400	D	610	1250	5000	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Manganese	495	D	14.9	37.5	50.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Mercury	0.11	J	0.076	0.16	0.20	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Nickel	16.6	JD	7.65	25.0	100	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Sodium	36400	D	2170	2500	5000	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Vanadium	24.9	JD	15.7	50.0	100	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Zinc	60.6	JD	41.7	37.5	100	ug/L
Client ID : TT-078-IDWGW-20250903									
Q3017-04	TT-078-IDWGW-20250903	Water	Aluminum	34900	D	28.4	200	250	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Barium	89.2	JD	36.4	62.5	250	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Beryllium	1.92	JD	1.40	3.75	15.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Calcium	14100	D	585	1250	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: Q3017

Order ID: Q3017

Client: Tetra Tech NUS, Inc.

Project ID: NWIRP Bethpage 112G08005-WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3017-04	TT-078-IDWGW-20250903	Water	Chromium	29.8	D	5.30	12.5	25.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Cobalt	10.3	JD	5.65	18.8	75.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Copper	22.6	JD	11.5	40.0	50.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Iron	15500	D	58.5	200	250	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Lead	31.7	D	5.75	24.0	30.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Magnesium	5670	D	610	1250	5000	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Manganese	445	D	14.9	37.5	50.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Nickel	19.2	JD	7.65	25.0	100	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Potassium	3170	JD	2300	4000	5000	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Sodium	30600	D	2170	2500	5000	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Vanadium	32.0	JD	15.7	50.0	100	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Zinc	60.6	JD	41.7	37.5	100	ug/L
Client ID : TT-079-IDWGW-20250903									
Q3017-05	TT-079-IDWGW-20250903	Water	Aluminum	21700	D	28.4	200	250	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Barium	167	JD	36.4	62.5	250	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Calcium	9470	D	585	1250	5000	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Chromium	23.2	JD	5.30	12.5	25.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Cobalt	12.9	JD	5.65	18.8	75.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Copper	22.9	JD	11.5	40.0	50.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Iron	9770	D	58.5	200	250	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Lead	23.8	JD	5.75	24.0	30.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Magnesium	4110	JD	610	1250	5000	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Manganese	291	D	14.9	37.5	50.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Nickel	17.0	JD	7.65	25.0	100	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Sodium	23800	D	2170	2500	5000	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Vanadium	22.9	JD	15.7	50.0	100	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Zinc	46.1	JD	41.7	37.5	100	ug/L



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-076-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-02	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	23900	D	5	28.4	200	250	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-36-0	Antimony	31.3	UD	5	16.9	31.3	125	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-38-2	Arsenic	37.5	UD	5	12.8	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-39-3	Barium	44.3	JDN	5	36.4	62.5	250	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-41-7	Beryllium	3.75	UD	5	1.40	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-43-9	Cadmium	3.75	UD	5	1.25	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-70-2	Calcium	9690	D	5	585	1250	5000	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-47-3	Chromium	27.0	D	5	5.30	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-48-4	Cobalt	7.07	JD	5	5.65	18.8	75.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-50-8	Copper	24.3	JD	5	11.5	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-89-6	Iron	11200	D	5	58.5	200	250	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-92-1	Lead	22.4	JD	5	5.75	24.0	30.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-95-4	Magnesium	3990	JD	5	610	1250	5000	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-96-5	Manganese	168	DN	5	14.9	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	09/05/25 09:20	09/05/25 15:43	7470A	
7440-02-0	Nickel	18.9	JD	5	7.65	25.0	100	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-09-7	Potassium	61600	DN	5	2300	4000	5000	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7782-49-2	Selenium	40.0	UD	5	24.1	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-22-4	Silver	12.5	UD	5	4.05	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-23-5	Sodium	53600	D	5	2170	2500	5000	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-28-0	Thallium	50.0	UD	5	10.9	50.0	100	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-62-2	Vanadium	24.2	JD	5	15.7	50.0	100	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-66-6	Zinc	37.5	UDN	5	41.7	37.5	100	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Light brown	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-077-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-03	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	34900	D	5	28.4	200	250	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-36-0	Antimony	31.3	UD	5	16.9	31.3	125	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-38-2	Arsenic	37.5	UD	5	12.8	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-39-3	Barium	82.5	JDN	5	36.4	62.5	250	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-41-7	Beryllium	2.06	JD	5	1.40	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-43-9	Cadmium	3.75	UD	5	1.25	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-70-2	Calcium	12600	D	5	585	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-47-3	Chromium	26.2	D	5	5.30	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-48-4	Cobalt	8.47	JD	5	5.65	18.8	75.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-50-8	Copper	20.0	JD	5	11.5	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-89-6	Iron	21100	D	5	58.5	200	250	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-92-1	Lead	32.5	D	5	5.75	24.0	30.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-95-4	Magnesium	6400	D	5	610	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-96-5	Manganese	495	DN	5	14.9	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-97-6	Mercury	0.11	J	1	0.076	0.16	0.20	ug/L	09/05/25 09:20	09/05/25 15:46	7470A	
7440-02-0	Nickel	16.6	JD	5	7.65	25.0	100	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-09-7	Potassium	4000	UDN	5	2300	4000	5000	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7782-49-2	Selenium	40.0	UD	5	24.1	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-22-4	Silver	12.5	UD	5	4.05	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-23-5	Sodium	36400	D	5	2170	2500	5000	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-28-0	Thallium	50.0	UD	5	10.9	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-62-2	Vanadium	24.9	JD	5	15.7	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-66-6	Zinc	60.6	JDN	5	41.7	37.5	100	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Light brown	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
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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:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-078-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-04	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	34900	D	5	28.4	200	250	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-36-0	Antimony	31.3	UD	5	16.9	31.3	125	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-38-2	Arsenic	37.5	UD	5	12.8	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-39-3	Barium	89.2	JDN	5	36.4	62.5	250	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-41-7	Beryllium	1.92	JD	5	1.40	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-43-9	Cadmium	3.75	UD	5	1.25	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-70-2	Calcium	14100	D	5	585	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-47-3	Chromium	29.8	D	5	5.30	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-48-4	Cobalt	10.3	JD	5	5.65	18.8	75.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-50-8	Copper	22.6	JD	5	11.5	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-89-6	Iron	15500	D	5	58.5	200	250	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-92-1	Lead	31.7	D	5	5.75	24.0	30.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-95-4	Magnesium	5670	D	5	610	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-96-5	Manganese	445	DN	5	14.9	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	09/05/25 09:20	09/05/25 15:48	7470A	
7440-02-0	Nickel	19.2	JD	5	7.65	25.0	100	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-09-7	Potassium	3170	JDN	5	2300	4000	5000	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7782-49-2	Selenium	40.0	UD	5	24.1	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-22-4	Silver	12.5	UD	5	4.05	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-23-5	Sodium	30600	D	5	2170	2500	5000	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-28-0	Thallium	50.0	UD	5	10.9	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-62-2	Vanadium	32.0	JD	5	15.7	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-66-6	Zinc	60.6	JDN	5	41.7	37.5	100	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Light brown	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-079-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-05	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	21700	D	5	28.4	200	250	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-36-0	Antimony	31.3	UD	5	16.9	31.3	125	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-38-2	Arsenic	37.5	UD	5	12.8	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-39-3	Barium	167	JDN	5	36.4	62.5	250	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-41-7	Beryllium	3.75	UD	5	1.40	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-43-9	Cadmium	3.75	UD	5	1.25	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-70-2	Calcium	9470	D	5	585	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-47-3	Chromium	23.2	JD	5	5.30	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-48-4	Cobalt	12.9	JD	5	5.65	18.8	75.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-50-8	Copper	22.9	JD	5	11.5	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-89-6	Iron	9770	D	5	58.5	200	250	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-92-1	Lead	23.8	JD	5	5.75	24.0	30.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-95-4	Magnesium	4110	JD	5	610	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-96-5	Manganese	291	DN	5	14.9	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	09/05/25 09:20	09/05/25 15:50	7470A	
7440-02-0	Nickel	17.0	JD	5	7.65	25.0	100	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-09-7	Potassium	4000	UDN	5	2300	4000	5000	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7782-49-2	Selenium	40.0	UD	5	24.1	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-22-4	Silver	12.5	UD	5	4.05	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-23-5	Sodium	23800	D	5	2170	2500	5000	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-28-0	Thallium	50.0	UD	5	10.9	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-62-2	Vanadium	22.9	JD	5	15.7	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-66-6	Zinc	46.1	JDN	5	41.7	37.5	100	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Light brown	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
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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: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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
ICV21	Mercury	3.82	4.0	95	90 - 110	CV	09/05/2025	15:20	1b137094

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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
CCV60	Mercury	4.97	5.0	99	90 - 110	CV	09/05/2025	15:25	1b137094
CCV61	Mercury	5.04	5.0	101	90 - 110	CV	09/05/2025	15:55	1b137094
CCV62	Mercury	4.97	5.0	99	90 - 110	CV	09/05/2025	16:25	1b137094
CCV63	Mercury	5.07	5.0	102	90 - 110	CV	09/05/2025	16:41	1b137094

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	7890	8000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Antimony	4070	4000	102	90 - 110	P	09/05/2025	11:44	LB137103
	Arsenic	3960	4000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Barium	7880	8000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Beryllium	202	200	101	90 - 110	P	09/05/2025	11:44	LB137103
	Cadmium	1960	2000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Calcium	19700	20000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Chromium	809	800	101	90 - 110	P	09/05/2025	11:44	LB137103
	Cobalt	1970	2000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Copper	1010	1000	101	90 - 110	P	09/05/2025	11:44	LB137103
	Iron	3950	4000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Lead	3880	4000	97	90 - 110	P	09/05/2025	11:44	LB137103
	Magnesium	19700	20000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Manganese	1970	2000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Nickel	1980	2000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Potassium	19500	20000	97	90 - 110	P	09/05/2025	11:44	LB137103
	Selenium	4000	4000	100	90 - 110	P	09/05/2025	11:44	LB137103
	Silver	1010	1000	101	90 - 110	P	09/05/2025	11:44	LB137103
	Sodium	19200	20000	96	90 - 110	P	09/05/2025	11:44	LB137103
	Thallium	3830	4000	96	90 - 110	P	09/05/2025	11:44	LB137103
	Vanadium	1970	2000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Zinc	1990	2000	100	90 - 110	P	09/05/2025	11:44	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	111	100	111	80 - 120	P	09/05/2025	11:48	LB137103
	Antimony	52.2	50.0	104	80 - 120	P	09/05/2025	11:48	LB137103
	Arsenic	19.4	20.0	97	80 - 120	P	09/05/2025	11:48	LB137103
	Barium	102	100	102	80 - 120	P	09/05/2025	11:48	LB137103
	Beryllium	6.33	6.0	106	80 - 120	P	09/05/2025	11:48	LB137103
	Cadmium	6.02	6.0	100	80 - 120	P	09/05/2025	11:48	LB137103
	Calcium	2070	2000	104	80 - 120	P	09/05/2025	11:48	LB137103
	Chromium	9.77	10.0	98	80 - 120	P	09/05/2025	11:48	LB137103
	Cobalt	30.0	30.0	100	80 - 120	P	09/05/2025	11:48	LB137103
	Copper	21.7	20.0	108	80 - 120	P	09/05/2025	11:48	LB137103
	Iron	105	100	105	80 - 120	P	09/05/2025	11:48	LB137103
	Lead	10.9	12.0	91	80 - 120	P	09/05/2025	11:48	LB137103
	Magnesium	2200	2000	110	80 - 120	P	09/05/2025	11:48	LB137103
	Manganese	22.4	20.0	112	80 - 120	P	09/05/2025	11:48	LB137103
	Nickel	40.9	40.0	102	80 - 120	P	09/05/2025	11:48	LB137103
	Potassium	1980	2000	99	80 - 120	P	09/05/2025	11:48	LB137103
	Selenium	22.8	20.0	114	80 - 120	P	09/05/2025	11:48	LB137103
	Silver	10.3	10.0	103	80 - 120	P	09/05/2025	11:48	LB137103
	Sodium	1990	2000	100	80 - 120	P	09/05/2025	11:48	LB137103
	Thallium	42.2	40.0	106	80 - 120	P	09/05/2025	11:48	LB137103
	Vanadium	36.7	40.0	92	80 - 120	P	09/05/2025	11:48	LB137103
	Zinc	42.3	40.0	106	80 - 120	P	09/05/2025	11:48	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	9910	10000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Antimony	4990	5000	100	90 - 110	P	09/05/2025	12:28	LB137103
	Arsenic	4950	5000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Barium	9940	10000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Beryllium	250	250	100	90 - 110	P	09/05/2025	12:28	LB137103
	Cadmium	2450	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Calcium	24700	25000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Chromium	994	1000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Cobalt	2450	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Copper	1240	1250	99	90 - 110	P	09/05/2025	12:28	LB137103
	Iron	4930	5000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Lead	4880	5000	98	90 - 110	P	09/05/2025	12:28	LB137103
	Magnesium	24400	25000	98	90 - 110	P	09/05/2025	12:28	LB137103
	Manganese	2460	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Nickel	2450	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Potassium	24400	25000	98	90 - 110	P	09/05/2025	12:28	LB137103
	Selenium	4950	5000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Silver	1240	1250	100	90 - 110	P	09/05/2025	12:28	LB137103
	Sodium	24200	25000	97	90 - 110	P	09/05/2025	12:28	LB137103
	Thallium	4760	5000	95	90 - 110	P	09/05/2025	12:28	LB137103
	Vanadium	2480	2500	99	90 - 110	P	09/05/2025	12:28	LB137103
	Zinc	2490	2500	100	90 - 110	P	09/05/2025	12:28	LB137103
CCV02	Aluminum	9830	10000	98	90 - 110	P	09/05/2025	13:20	LB137103
	Antimony	5090	5000	102	90 - 110	P	09/05/2025	13:20	LB137103
	Arsenic	5070	5000	101	90 - 110	P	09/05/2025	13:20	LB137103
	Barium	9800	10000	98	90 - 110	P	09/05/2025	13:20	LB137103
	Beryllium	241	250	96	90 - 110	P	09/05/2025	13:20	LB137103
	Cadmium	2470	2500	99	90 - 110	P	09/05/2025	13:20	LB137103
	Calcium	24500	25000	98	90 - 110	P	09/05/2025	13:20	LB137103
	Chromium	989	1000	99	90 - 110	P	09/05/2025	13:20	LB137103
	Cobalt	2470	2500	99	90 - 110	P	09/05/2025	13:20	LB137103
	Copper	1260	1250	101	90 - 110	P	09/05/2025	13:20	LB137103
	Iron	5030	5000	101	90 - 110	P	09/05/2025	13:20	LB137103
	Lead	4900	5000	98	90 - 110	P	09/05/2025	13:20	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	09/05/2025	13:20	LB137103
	Manganese	2440	2500	98	90 - 110	P	09/05/2025	13:20	LB137103
	Nickel	2470	2500	99	90 - 110	P	09/05/2025	13:20	LB137103
	Potassium	25000	25000	100	90 - 110	P	09/05/2025	13:20	LB137103
	Selenium	5120	5000	102	90 - 110	P	09/05/2025	13:20	LB137103
	Silver	1250	1250	100	90 - 110	P	09/05/2025	13:20	LB137103
	Sodium	24700	25000	99	90 - 110	P	09/05/2025	13:20	LB137103
	Thallium	5410	5000	108	90 - 110	P	09/05/2025	13:20	LB137103
	Vanadium	2460	2500	98	90 - 110	P	09/05/2025	13:20	LB137103
	Zinc	2510	2500	100	90 - 110	P	09/05/2025	13:20	LB137103
CCV03	Aluminum	9840	10000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Antimony	5090	5000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Arsenic	5090	5000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Barium	9960	10000	100	90 - 110	P	09/05/2025	14:29	LB137103
	Beryllium	240	250	96	90 - 110	P	09/05/2025	14:29	LB137103
	Cadmium	2470	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Calcium	24500	25000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Chromium	988	1000	99	90 - 110	P	09/05/2025	14:29	LB137103
	Cobalt	2470	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Copper	1260	1250	101	90 - 110	P	09/05/2025	14:29	LB137103
	Iron	5100	5000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Lead	4900	5000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Magnesium	24400	25000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Manganese	2450	2500	98	90 - 110	P	09/05/2025	14:29	LB137103
	Nickel	2480	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Potassium	25300	25000	101	90 - 110	P	09/05/2025	14:29	LB137103
	Selenium	5160	5000	103	90 - 110	P	09/05/2025	14:29	LB137103
	Silver	1250	1250	100	90 - 110	P	09/05/2025	14:29	LB137103
	Sodium	25500	25000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Thallium	5140	5000	103	90 - 110	P	09/05/2025	14:29	LB137103
CCV04	Vanadium	2470	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Zinc	2520	2500	101	90 - 110	P	09/05/2025	14:29	LB137103
	Aluminum	9610	10000	96	90 - 110	P	09/05/2025	15:36	LB137103
	Antimony	5060	5000	101	90 - 110	P	09/05/2025	15:36	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.
Contract: TETR06
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3017
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4970	5000	99	90 - 110	P	09/05/2025	15:36	LB137103
	Barium	9750	10000	98	90 - 110	P	09/05/2025	15:36	LB137103
	Beryllium	227	250	91	90 - 110	P	09/05/2025	15:36	LB137103
	Cadmium	2360	2500	94	90 - 110	P	09/05/2025	15:36	LB137103
	Calcium	23700	25000	95	90 - 110	P	09/05/2025	15:36	LB137103
	Chromium	965	1000	96	90 - 110	P	09/05/2025	15:36	LB137103
	Cobalt	2380	2500	95	90 - 110	P	09/05/2025	15:36	LB137103
	Copper	1220	1250	98	90 - 110	P	09/05/2025	15:36	LB137103
	Iron	5150	5000	103	90 - 110	P	09/05/2025	15:36	LB137103
	Lead	4720	5000	94	90 - 110	P	09/05/2025	15:36	LB137103
	Magnesium	23400	25000	94	90 - 110	P	09/05/2025	15:36	LB137103
	Manganese	2370	2500	95	90 - 110	P	09/05/2025	15:36	LB137103
	Nickel	2380	2500	95	90 - 110	P	09/05/2025	15:36	LB137103
	Potassium	25300	25000	101	90 - 110	P	09/05/2025	15:36	LB137103
	Selenium	5050	5000	101	90 - 110	P	09/05/2025	15:36	LB137103
	Silver	1230	1250	98	90 - 110	P	09/05/2025	15:36	LB137103
	Sodium	25300	25000	101	90 - 110	P	09/05/2025	15:36	LB137103
	Thallium	4960	5000	99	90 - 110	P	09/05/2025	15:36	LB137103
	Vanadium	2420	2500	97	90 - 110	P	09/05/2025	15:36	LB137103
	Zinc	2480	2500	99	90 - 110	P	09/05/2025	15:36	LB137103
CCV05	Aluminum	9650	10000	96	90 - 110	P	09/05/2025	16:06	LB137103
	Antimony	5070	5000	101	90 - 110	P	09/05/2025	16:06	LB137103
	Arsenic	4990	5000	100	90 - 110	P	09/05/2025	16:06	LB137103
	Barium	9650	10000	96	90 - 110	P	09/05/2025	16:06	LB137103
	Beryllium	230	250	92	90 - 110	P	09/05/2025	16:06	LB137103
	Cadmium	2360	2500	94	90 - 110	P	09/05/2025	16:06	LB137103
	Calcium	23600	25000	95	90 - 110	P	09/05/2025	16:06	LB137103
	Chromium	964	1000	96	90 - 110	P	09/05/2025	16:06	LB137103
	Cobalt	2380	2500	95	90 - 110	P	09/05/2025	16:06	LB137103
	Copper	1230	1250	98	90 - 110	P	09/05/2025	16:06	LB137103
	Iron	5120	5000	102	90 - 110	P	09/05/2025	16:06	LB137103
	Lead	4710	5000	94	90 - 110	P	09/05/2025	16:06	LB137103
	Magnesium	23400	25000	94	90 - 110	P	09/05/2025	16:06	LB137103
	Manganese	2360	2500	94	90 - 110	P	09/05/2025	16:06	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	2390	2500	96	90 - 110	P	09/05/2025	16:06	LB137103
	Potassium	24700	25000	99	90 - 110	P	09/05/2025	16:06	LB137103
	Selenium	5060	5000	101	90 - 110	P	09/05/2025	16:06	LB137103
	Silver	1230	1250	98	90 - 110	P	09/05/2025	16:06	LB137103
	Sodium	24300	25000	97	90 - 110	P	09/05/2025	16:06	LB137103
	Thallium	4910	5000	98	90 - 110	P	09/05/2025	16:06	LB137103
	Vanadium	2410	2500	96	90 - 110	P	09/05/2025	16:06	LB137103
	Zinc	2470	2500	99	90 - 110	P	09/05/2025	16:06	LB137103

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	Aluminum	109	100	109	65 - 135	P	09/05/2025	11:59	LB137103
	Antimony	52.2	50.0	104	65 - 135	P	09/05/2025	11:59	LB137103
	Arsenic	19.5	20.0	98	65 - 135	P	09/05/2025	11:59	LB137103
	Barium	99.4	100	99	65 - 135	P	09/05/2025	11:59	LB137103
	Beryllium	6.32	6.0	105	65 - 135	P	09/05/2025	11:59	LB137103
	Cadmium	6.07	6.0	101	65 - 135	P	09/05/2025	11:59	LB137103
	Calcium	2070	2000	104	65 - 135	P	09/05/2025	11:59	LB137103
	Chromium	10.3	10.0	103	65 - 135	P	09/05/2025	11:59	LB137103
	Cobalt	30.2	30.0	101	65 - 135	P	09/05/2025	11:59	LB137103
	Copper	21.8	20.0	109	65 - 135	P	09/05/2025	11:59	LB137103
	Iron	99.2	100	99	65 - 135	P	09/05/2025	11:59	LB137103
	Lead	12.3	12.0	102	65 - 135	P	09/05/2025	11:59	LB137103
	Magnesium	2190	2000	110	65 - 135	P	09/05/2025	11:59	LB137103
	Manganese	22.2	20.0	111	65 - 135	P	09/05/2025	11:59	LB137103
	Nickel	40.8	40.0	102	65 - 135	P	09/05/2025	11:59	LB137103
	Potassium	1870	2000	94	65 - 135	P	09/05/2025	11:59	LB137103
	Selenium	19.4	20.0	97	65 - 135	P	09/05/2025	11:59	LB137103
	Silver	10.6	10.0	106	65 - 135	P	09/05/2025	11:59	LB137103
	Sodium	1870	2000	94	65 - 135	P	09/05/2025	11:59	LB137103
	Thallium	41.8	40.0	104	65 - 135	P	09/05/2025	11:59	LB137103
	Vanadium	40.0	40.0	100	65 - 135	P	09/05/2025	11:59	LB137103
	Zinc	42.3	40.0	106	65 - 135	P	09/05/2025	11:59	LB137103
CRA	Mercury	0.23	0.2	114	70 - 130	CV	09/05/2025	15:29	lb137094



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB21	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	15:23	lb137094

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB60	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	15:27	lb137094
CCB61	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	15:57	lb137094
CCB62	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	16:27	lb137094
CCB63	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	16:43	lb137094

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	09/05/2025	11:54	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	11:54	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	11:54	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	11:54	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	11:54	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	11:54	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	11:54	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	11:54	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	11:54	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	11:54	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	11:54	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	11:54	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	11:54	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	11:54	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	11:54	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	11:54	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	11:54	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	11:54	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	11:54	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	11:54	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	11:54	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	11:54	LB137103

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	09/05/2025	12:32	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	12:32	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	12:32	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	12:32	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	12:32	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	12:32	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	12:32	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	12:32	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	12:32	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	12:32	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	12:32	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	12:32	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	12:32	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	12:32	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	12:32	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	12:32	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	12:32	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	12:32	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	12:32	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	12:32	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	12:32	LB137103
CCB02	Zinc	18.9	+/-20	J	15.0	40.0	P	09/05/2025	12:32	LB137103
	Aluminum	11.3	+/-50	U	80.0	100	P	09/05/2025	13:24	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	13:24	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	13:24	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	13:24	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	13:24	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	13:24	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	13:24	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	13:24	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	13:24	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	13:24	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	13:24	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	13:24	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	13:24	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	13:24	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	13:24	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	13:24	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	13:24	LB137103

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	09/05/2025	13:24	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	13:24	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	13:24	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	13:24	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	13:24	LB137103
CCB03	Aluminum	11.3	+/-50	U	80.0	100	P	09/05/2025	14:33	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	14:33	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	14:33	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	14:33	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	14:33	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	14:33	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	14:33	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	14:33	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	14:33	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	14:33	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	14:33	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	14:33	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	14:33	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	14:33	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	14:33	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	14:33	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	14:33	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	14:33	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	14:33	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	14:33	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	14:33	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	14:33	LB137103
CCB04	Aluminum	16.5	+/-50	J	80.0	100	P	09/05/2025	15:40	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	15:40	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	15:40	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	15:40	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	15:40	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	15:40	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	15:40	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	15:40	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	15:40	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	15:40	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	15:40	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	15:40	LB137103

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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	09/05/2025	15:40	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	15:40	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	15:40	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	15:40	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	15:40	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	15:40	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	15:40	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	15:40	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	15:40	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	15:40	LB137103
CCB05	Aluminum	11.3	+/-50	U	80.0	100	P	09/05/2025	16:15	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	16:15	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	16:15	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	16:15	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	16:15	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	16:15	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	16:15	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	16:15	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	16:15	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	16:15	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	16:15	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	16:15	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	16:15	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	16:15	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	16:15	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	16:15	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	16:15	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	16:15	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	16:15	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	16:15	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	16:15	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	16:15	LB137103

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169582BL		WATER		Batch Number:		PB169582		Prep Date:	09/05/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	09/05/2025	15:39	lb137094

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169555BL	WATER			Batch Number:		PB169555		Prep Date:	09/04/2025	
	Aluminum	5.67	<25	U	40.0	50.0	P	09/05/2025	12:50	LB137103
	Antimony	3.38	<12.5	U	6.25	25.0	P	09/05/2025	12:50	LB137103
	Arsenic	2.56	<5	U	7.50	10.0	P	09/05/2025	12:50	LB137103
	Barium	7.28	<25	U	12.5	50.0	P	09/05/2025	12:50	LB137103
	Beryllium	0.28	<1.5	U	0.75	3.00	P	09/05/2025	12:50	LB137103
	Cadmium	0.25	<1.5	U	0.75	3.00	P	09/05/2025	12:50	LB137103
	Calcium	117	<500	U	250	1000	P	09/05/2025	12:50	LB137103
	Chromium	1.06	<2.5	U	2.50	5.00	P	09/05/2025	12:50	LB137103
	Cobalt	1.13	<7.5	U	3.75	15.0	P	09/05/2025	12:50	LB137103
	Copper	2.30	<5	U	8.00	10.0	P	09/05/2025	12:50	LB137103
	Iron	11.7	<25	U	40.0	50.0	P	09/05/2025	12:50	LB137103
	Lead	1.15	<3	U	4.80	6.00	P	09/05/2025	12:50	LB137103
	Magnesium	122	<500	U	250	1000	P	09/05/2025	12:50	LB137103
	Manganese	2.97	<5	U	7.50	10.0	P	09/05/2025	12:50	LB137103
	Nickel	1.53	<10	U	5.00	20.0	P	09/05/2025	12:50	LB137103
	Potassium	459	<500	U	800	1000	P	09/05/2025	12:50	LB137103
	Selenium	4.82	<5	U	8.00	10.0	P	09/05/2025	12:50	LB137103
	Silver	0.81	<2.5	U	2.50	5.00	P	09/05/2025	12:50	LB137103
	Sodium	434	<500	U	500	1000	P	09/05/2025	12:50	LB137103
	Thallium	2.19	<10	U	10.0	20.0	P	09/05/2025	12:50	LB137103
	Vanadium	3.13	<10	U	10.0	20.0	P	09/05/2025	12:50	LB137103
	Zinc	8.33	<10	U	7.50	20.0	P	09/05/2025	12:50	LB137103

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>Tetra Tech NUS, Inc.</u>	SDG No.: <u>Q3017</u>
Contract: <u>TETR06</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	248000	255000	97	216000	294000	09/05/2025	12:05	LB137103
	Antimony	-0.24			-50	50	09/05/2025	12:05	LB137103
	Arsenic	-1.25			-20	20	09/05/2025	12:05	LB137103
	Barium	1.09	6.0	18	-94	106	09/05/2025	12:05	LB137103
	Beryllium	1.54			-6	6	09/05/2025	12:05	LB137103
	Cadmium	1.16	1.0	116	-5	7	09/05/2025	12:05	LB137103
	Calcium	236000	245000	96	208000	282000	09/05/2025	12:05	LB137103
	Chromium	54.9	52.0	106	42	62	09/05/2025	12:05	LB137103
	Cobalt	2.02			-30	30	09/05/2025	12:05	LB137103
	Copper	12.2	2.0	610	-18	22	09/05/2025	12:05	LB137103
	Iron	100000	101000	99	85600	116500	09/05/2025	12:05	LB137103
	Lead	3.51			-12	12	09/05/2025	12:05	LB137103
	Magnesium	251000	255000	98	216000	294000	09/05/2025	12:05	LB137103
	Manganese	9.12	7.0	130	-13	27	09/05/2025	12:05	LB137103
	Nickel	7.09	2.0	354	-38	42	09/05/2025	12:05	LB137103
	Potassium	211			0	0	09/05/2025	12:05	LB137103
	Selenium	-1.22			-20	20	09/05/2025	12:05	LB137103
	Silver	1.98			-10	10	09/05/2025	12:05	LB137103
	Sodium	130			0	0	09/05/2025	12:05	LB137103
	Thallium	-4.42			-40	40	09/05/2025	12:05	LB137103
	Vanadium	1.68			-40	40	09/05/2025	12:05	LB137103
	Zinc	4.22			-40	40	09/05/2025	12:05	LB137103
ICSAB01	Aluminum	249000	247000	101	209000	285000	09/05/2025	12:09	LB137103
	Antimony	629	618	102	525	711	09/05/2025	12:09	LB137103
	Arsenic	105	104	101	88.4	120	09/05/2025	12:09	LB137103
	Barium	491	537	91	437	637	09/05/2025	12:09	LB137103
	Beryllium	543	495	110	420	570	09/05/2025	12:09	LB137103
	Cadmium	1010	972	104	826	1120	09/05/2025	12:09	LB137103
	Calcium	235000	235000	100	199000	271000	09/05/2025	12:09	LB137103
	Chromium	583	542	108	460	624	09/05/2025	12:09	LB137103
	Cobalt	509	476	107	404	548	09/05/2025	12:09	LB137103
	Copper	515	511	101	434	588	09/05/2025	12:09	LB137103
	Iron	95800	99300	96	84400	114500	09/05/2025	12:09	LB137103
	Lead	50.2	49.0	102	37	61	09/05/2025	12:09	LB137103
	Magnesium	251000	248000	101	210000	286000	09/05/2025	12:09	LB137103
	Manganese	496	507	98	430	584	09/05/2025	12:09	LB137103
	Nickel	1020	954	107	810	1100	09/05/2025	12:09	LB137103
	Potassium	-136			0	0	09/05/2025	12:09	LB137103
	Selenium	50.5	46.0	110	26	66	09/05/2025	12:09	LB137103
	Silver	224	201	111	170	232	09/05/2025	12:09	LB137103
	Sodium	195			0	0	09/05/2025	12:09	LB137103
	Thallium	111	108	103	68	148	09/05/2025	12:09	LB137103

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>Tetra Tech NUS, Inc.</u>	SDG No.: <u>Q3017</u>
Contract: <u>TETR06</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	487	491	99	417	565	09/05/2025	12:09	LB137103
	Zinc	1080	952	113	809	1095	09/05/2025	12:09	LB137103



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q3017
contract: TETR06 **lab code:** ACE
matrix: Water **sample id:** Q3017-05 **client id:** TT-079-IDWGW-20250903MS
Percent Solids for Sample: NA **Spiked ID:** Q3017-05MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	14600	D	21700	D	1000	-710		P
Antimony	ug/L	88 - 113	398	D	125	UD	400	100		P
Arsenic	ug/L	87 - 113	385	D	50.0	UD	400	96		P
Barium	ug/L	88 - 113	244	JD	167	JD	100	77	N	P
Beryllium	ug/L	89 - 112	94.4	D	15.0	UD	100	93		P
Cadmium	ug/L	88 - 113	95.3	D	15.0	UD	100	95		P
Calcium	ug/L	87 - 113	9170	D	9470	D	500	-61		P
Chromium	ug/L	90 - 113	214	D	23.2	JD	200	96		P
Cobalt	ug/L	89 - 114	109	D	12.9	JD	100	96		P
Copper	ug/L	86 - 114	173	D	22.9	JD	150	100		P
Iron	ug/L	87 - 115	9320	D	9770	D	1500	-30		P
Lead	ug/L	86 - 113	485	D	23.8	JD	500	92		P
Magnesium	ug/L	85 - 113	4390	JD	4110	JD	1000	28		P
Manganese	ug/L	90 - 114	363	D	291	D	100	72	N	P
Mercury	ug/L	82 - 119	3.73		0.20	U	4.0	93		CV
Nickel	ug/L	88 - 113	256	D	17.0	JD	250	96		P
Potassium	ug/L	86 - 114	6290	D	5000	UD	5000	83	N	P
Selenium	ug/L	83 - 114	963	D	50.0	UD	1000	96		P
Silver	ug/L	84 - 115	36.2	D	25.0	UD	37.5	95		P
Sodium	ug/L	87 - 115	23000	D	23800	D	1500	-52		P
Thallium	ug/L	85 - 114	960	D	100	UD	1000	97		P
Vanadium	ug/L	90 - 111	161	D	22.9	JD	150	92		P
Zinc	ug/L	87 - 115	138	D	46.1	JD	100	92		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q3017
contract: TETR06 **lab code:** ACE
matrix: Water **sample id:** Q3017-05 **client id:** TT-079-IDWGW-20250903MSD
Percent Solids for Sample: NA **Spiked ID:** Q3017-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	14600	D	21700	D	1000	-714		P
Antimony	ug/L	88 - 113	395	D	125	UD	400	100		P
Arsenic	ug/L	87 - 113	387	D	50.0	UD	400	97		P
Barium	ug/L	88 - 113	228	JD	167	JD	100	62	N	P
Beryllium	ug/L	89 - 112	100	D	15.0	UD	100	99		P
Cadmium	ug/L	88 - 113	94.9	D	15.0	UD	100	95		P
Calcium	ug/L	87 - 113	8980	D	9470	D	500	-98		P
Chromium	ug/L	90 - 113	215	D	23.2	JD	200	96		P
Cobalt	ug/L	89 - 114	108	D	12.9	JD	100	95		P
Copper	ug/L	86 - 114	174	D	22.9	JD	150	101		P
Iron	ug/L	87 - 115	8610	D	9770	D	1500	-77		P
Lead	ug/L	86 - 113	484	D	23.8	JD	500	92		P
Magnesium	ug/L	85 - 113	4330	JD	4110	JD	1000	22		P
Manganese	ug/L	90 - 114	356	D	291	D	100	66	N	P
Mercury	ug/L	82 - 119	3.72		0.20	U	4.0	93		CV
Nickel	ug/L	88 - 113	256	D	17.0	JD	250	96		P
Potassium	ug/L	86 - 114	5810	D	5000	UD	5000	73	N	P
Selenium	ug/L	83 - 114	967	D	50.0	UD	1000	96		P
Silver	ug/L	84 - 115	37.3	D	25.0	UD	37.5	98		P
Sodium	ug/L	87 - 115	20100	D	23800	D	1500	-245		P
Thallium	ug/L	85 - 114	976	D	100	UD	1000	98		P
Vanadium	ug/L	90 - 111	161	D	22.9	JD	150	92		P
Zinc	ug/L	87 - 115	203	D	46.1	JD	100	157	N	P



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Metals
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POST DIGEST SPIKE SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Matrix: Water

Level: LOW

Client ID: TT-079-IDWGW-20250903A

Sample ID: Q3017-05

Spiked ID: Q3017-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	88 - 113	244	JD	167	JD	500	15	N	P
Manganese	ug/L	90 - 114	367	D	291	D	500	15	N	P
Potassium	ug/L	86 - 114	6260	D	5000	UD	25000	16	N	P
Zinc	ug/L	87 - 115	141	D	46.1	JD	500	19	N	P

A
B
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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q3017
Contract: TETR06 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3017-05 **Client ID:** TT-079-IDWGW-20250903DUP
Percent Solids for Sample: NA **Duplicate ID** Q3017-05DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	21700	D	21800	D	0		P
Antimony	ug/L	20	125	UD	125	UD			P
Arsenic	ug/L	20	50.0	UD	50.0	UD			P
Barium	ug/L	20	167	JD	173	JD	4		P
Beryllium	ug/L	20	15.0	UD	15.0	UD			P
Cadmium	ug/L	20	15.0	UD	15.0	UD			P
Calcium	ug/L	20	9470	D	9740	D	3		P
Chromium	ug/L	20	23.2	JD	24.4	JD	5		P
Cobalt	ug/L	20	12.9	JD	13.3	JD	3		P
Copper	ug/L	20	22.9	JD	24.1	JD	5		P
Iron	ug/L	20	9770	D	9900	D	1		P
Lead	ug/L	20	23.8	JD	23.5	JD	1		P
Magnesium	ug/L	20	4110	JD	4280	JD	4		P
Manganese	ug/L	20	291	D	298	D	2		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Nickel	ug/L	20	17.0	JD	17.0	JD	0		P
Potassium	ug/L	20	5000	UD	5000	UD			P
Selenium	ug/L	20	50.0	UD	50.0	UD			P
Silver	ug/L	20	25.0	UD	25.0	UD			P
Sodium	ug/L	20	23800	D	24400	D	2		P
Thallium	ug/L	20	100	UD	100	UD			P
Vanadium	ug/L	20	22.9	JD	23.3	JD	2		P
Zinc	ug/L	20	46.1	JD	47.0	JD	2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q3017
Contract: TETR06 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3017-05MS **Client ID:** TT-079-IDWGW-20250903MSD
Percent Solids for Sample: NA **Duplicate ID** Q3017-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	14600	D	14600	D	0		P
Antimony	ug/L	20	398	D	395	D	1		P
Arsenic	ug/L	20	385	D	387	D	1		P
Barium	ug/L	20	244	JD	228	JD	7		P
Beryllium	ug/L	20	94.4	D	100	D	6		P
Cadmium	ug/L	20	95.3	D	94.9	D	0		P
Calcium	ug/L	20	9170	D	8980	D	2		P
Chromium	ug/L	20	214	D	215	D	0		P
Cobalt	ug/L	20	109	D	108	D	1		P
Copper	ug/L	20	173	D	174	D	1		P
Iron	ug/L	20	9320	D	8610	D	8		P
Lead	ug/L	20	485	D	484	D	0		P
Magnesium	ug/L	20	4390	JD	4330	JD	1		P
Manganese	ug/L	20	363	D	356	D	2		P
Mercury	ug/L	20	3.73		3.72		0		CV
Nickel	ug/L	20	256	D	256	D	0		P
Potassium	ug/L	20	6290	D	5810	D	8		P
Selenium	ug/L	20	963	D	967	D	0		P
Silver	ug/L	20	36.2	D	37.3	D	3		P
Sodium	ug/L	20	23000	D	20100	D	13		P
Thallium	ug/L	20	960	D	976	D	2		P
Vanadium	ug/L	20	161	D	161	D	0		P
Zinc	ug/L	20	138	D	203	D	38		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	SDG No.:	<u>Q3017</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169555BS							
Aluminum	ug/L	1000	971		97	86 - 115	P
Antimony	ug/L	400	396		99	88 - 113	P
Arsenic	ug/L	400	380		95	87 - 113	P
Barium	ug/L	100	94.2		94	88 - 113	P
Beryllium	ug/L	100	97.7		98	89 - 112	P
Cadmium	ug/L	100	93.4		93	88 - 113	P
Calcium	ug/L	500	469	J	94	87 - 113	P
Chromium	ug/L	200	194		97	90 - 113	P
Cobalt	ug/L	100	94.4		94	89 - 114	P
Copper	ug/L	150	150		100	86 - 114	P
Iron	ug/L	1500	1450		97	87 - 115	P
Lead	ug/L	500	463		93	86 - 113	P
Magnesium	ug/L	1000	972	J	97	85 - 113	P
Manganese	ug/L	100	98.3		98	90 - 114	P
Nickel	ug/L	250	238		95	88 - 113	P
Potassium	ug/L	5000	4730		95	86 - 114	P
Selenium	ug/L	1000	964		96	83 - 114	P
Silver	ug/L	37.5	36.8		98	84 - 115	P
Sodium	ug/L	1500	1400		93	87 - 115	P
Thallium	ug/L	1000	858		86	85 - 114	P
Vanadium	ug/L	150	146		97	90 - 111	P
Zinc	ug/L	100	97.8		98	87 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169582BS Mercury	ug/L	4.0	3.80		95	82 - 119	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TT-079-IDWGW-20250903L

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **Lb No.:** lb137103 **Lab Sample ID :** Q3017-05L **SDG No.:** Q3017
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	21700	D	22200	D	2		P
Antimony	125	UD	625	UD			P
Arsenic	50.0	UD	250	UD			P
Barium	167	JD	1250	UD	100		P
Beryllium	15.0	UD	75.0	UD			P
Cadmium	15.0	UD	75.0	UD			P
Calcium	9470	D	9210	JD	3		P
Chromium	23.2	JD	125	UD	100		P
Cobalt	12.9	JD	375	UD	100		P
Copper	22.9	JD	250	UD	100		P
Iron	9770	D	9250	D	5		P
Lead	23.8	JD	150	UD	100		P
Magnesium	4110	JD	4150	JD	1		P
Manganese	291	D	291	D	0		P
Mercury	0.20	U	1.00	U			CV
Nickel	17.0	JD	500	UD	100		P
Potassium	5000	UD	25000	UD			P
Selenium	50.0	UD	250	UD			P
Silver	25.0	UD	125	UD			P
Sodium	23800	D	21100	JD	12		P
Thallium	100	UD	500	UD			P
Vanadium	22.9	JD	500	UD	100		P
Zinc	46.1	JD	500	UD	100		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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 INTERELEMEN CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

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

METAL
PREPARATION &
ANALYICAL
SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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: PB169555							
PB169555BL	PB169555BL	MB	WATER	09/04/2025	50.0	25.0	
PB169555BS	PB169555BS	LCS	WATER	09/04/2025	50.0	25.0	
Q3017-02	TT-076-IDWGW-20250903	SAM	WATER	09/04/2025	50.0	25.0	
Q3017-03	TT-077-IDWGW-20250903	SAM	WATER	09/04/2025	50.0	25.0	
Q3017-04	TT-078-IDWGW-20250903	SAM	WATER	09/04/2025	50.0	25.0	
Q3017-05	TT-079-IDWGW-20250903	SAM	WATER	09/04/2025	50.0	25.0	
Q3017-05DUP	TT-079-IDWGW-20250903DUP	DUP	WATER	09/04/2025	50.0	25.0	
Q3017-05MS	TT-079-IDWGW-20250903MS	MS	WATER	09/04/2025	50.0	25.0	
Q3017-05MSD	TT-079-IDWGW-20250903MSD	MSD	WATER	09/04/2025	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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: PB169582							
PB169582BL	PB169582BL	MB	WATER	09/05/2025	30.0	30.0	
PB169582BS	PB169582BS	LCS	WATER	09/05/2025	30.0	30.0	
Q3017-02	TT-076-IDWGW-20250903	SAM	WATER	09/05/2025	30.0	30.0	
Q3017-03	TT-077-IDWGW-20250903	SAM	WATER	09/05/2025	30.0	30.0	
Q3017-04	TT-078-IDWGW-20250903	SAM	WATER	09/05/2025	30.0	30.0	
Q3017-05	TT-079-IDWGW-20250903	SAM	WATER	09/05/2025	30.0	30.0	
Q3017-05DUP	TT-079-IDWGW-20250903DUP	DUP	WATER	09/05/2025	30.0	30.0	
Q3017-05MS	TT-079-IDWGW-20250903MS	MS	WATER	09/05/2025	30.0	30.0	
Q3017-05MSD	TT-079-IDWGW-20250903MSD	MSD	WATER	09/05/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc.

Contract: TETR06

Lab code: ACE

Sdg no.: Q3017

Instrument id number: _____

Method: _____

Run number: lb137094

Start date: 09/05/2025

End date: 09/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1442	HG
S0.2	S0.2	1	1449	HG
S2.5	S2.5	1	1452	HG
S5	S5	1	1454	HG
S7.5	S7.5	1	1456	HG
S10	S10	1	1501	HG
ICV21	ICV21	1	1520	HG
ICB21	ICB21	1	1523	HG
CCV60	CCV60	1	1525	HG
CCB60	CCB60	1	1527	HG
CRA	CRA	1	1529	HG
PB169582BL	PB169582BL	1	1539	HG
PB169582BS	PB169582BS	1	1541	HG
Q3017-02	TT-076-IDWGW-20250903	1	1543	HG
Q3017-03	TT-077-IDWGW-20250903	1	1546	HG
Q3017-04	TT-078-IDWGW-20250903	1	1548	HG
Q3017-05	TT-079-IDWGW-20250903	1	1550	HG
Q3017-05DUP	TT-079-IDWGW-20250903DUP	1	1553	HG
CCV61	CCV61	1	1555	HG
CCB61	CCB61	1	1557	HG
Q3017-05MS	TT-079-IDWGW-20250903MS	1	1602	HG
Q3017-05MSD	TT-079-IDWGW-20250903MSI	1	1604	HG
CCV62	CCV62	1	1625	HG
CCB62	CCB62	1	1627	HG
Q3017-05L	TT-079-IDWGW-20250903L	5	1630	HG
CCV63	CCV63	1	1641	HG
CCB63	CCB63	1	1643	HG

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc.

Contract: TETR06

Lab code: ACE

Sdg no.: Q3017

Instrument id number:

Method:

Run number: LB137103

Start date: 09/05/2025

End date: 09/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1119	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	1124	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	1128	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	1132	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	1136	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	1140	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	1144	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	1148	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	1154	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	1159	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	1205	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	1209	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	1228	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	1232	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169555BL	PB169555BL	1	1250	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169555BS	PB169555BS	1	1255	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-02	TT-076-IDWGW-20250903	5	1259	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-03	TT-077-IDWGW-20250903	5	1303	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-04	TT-078-IDWGW-20250903	5	1307	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05	TT-079-IDWGW-20250903	5	1311	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05DUP	TT-079-IDWGW-20250903DUP	5	1316	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	1320	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	1324	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05L	TT-079-IDWGW-20250903L	25	1328	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05MS	TT-079-IDWGW-20250903MS	5	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05MSD	TT-079-IDWGW-20250903MSI	5	1337	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05A	TT-079-IDWGW-20250903A	5	1341	Ba,K,Mn,Zn
CCV03	CCV03	1	1429	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	1433	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	1536	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	1540	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	1606	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	1615	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn