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

LAB CHRONICLE

OrderID:	P4868	**OrderDate:**	11/14/2024 3:41:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4868-01	**RW5-SP100-20241114**	**Water**			**11/14/24**			**11/14/24**
			Mercury	7470A		11/18/24	11/18/24	
			Metals ICP-TAL	6010D		11/15/24	11/18/24	
P4868-03	**RW5-SP303-20241114**	**Water**			**11/14/24**			**11/14/24**
			Mercury	7470A		11/18/24	11/18/24	
			Metals ICP-TAL	6010D		11/15/24	11/18/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4868 **Order ID:** P4868

Client: Tetra Tech NUS, Inc. **Project ID:** CTO WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RW5-SP100-20241114									
P4868-01	RW5-SP100-20241114	Water	Calcium	3290		33.0	250	1000	ug/L
P4868-01	RW5-SP100-20241114	Water	Chromium	1.94	J	0.66	2.50	5.00	ug/L
P4868-01	RW5-SP100-20241114	Water	Cobalt	2.82	J	0.50	3.75	15.0	ug/L
P4868-01	RW5-SP100-20241114	Water	Iron	1210		18.5	40.0	50.0	ug/L
P4868-01	RW5-SP100-20241114	Water	Lead	6.72		3.51	4.80	6.00	ug/L
P4868-01	RW5-SP100-20241114	Water	Magnesium	1320		39.4	250	1000	ug/L
P4868-01	RW5-SP100-20241114	Water	Manganese	20.0		1.46	2.50	10.0	ug/L
P4868-01	RW5-SP100-20241114	Water	Nickel	4.70	J	0.85	5.00	20.0	ug/L
P4868-01	RW5-SP100-20241114	Water	Sodium	10800		237	500	1000	ug/L
P4868-01	RW5-SP100-20241114	Water	Zinc	14.8	J	1.75	5.00	20.0	ug/L
Client ID : RW5-SP303-20241114									
P4868-03	RW5-SP303-20241114	Water	Calcium	4720		33.0	250	1000	ug/L
P4868-03	RW5-SP303-20241114	Water	Chromium	4.33	J	0.66	2.50	5.00	ug/L
P4868-03	RW5-SP303-20241114	Water	Cobalt	1.62	J	0.50	3.75	15.0	ug/L
P4868-03	RW5-SP303-20241114	Water	Iron	46.5	J	18.5	40.0	50.0	ug/L
P4868-03	RW5-SP303-20241114	Water	Magnesium	1780		39.4	250	1000	ug/L
P4868-03	RW5-SP303-20241114	Water	Manganese	36.2		1.46	2.50	10.0	ug/L
P4868-03	RW5-SP303-20241114	Water	Nickel	2.38	J	0.85	5.00	20.0	ug/L
P4868-03	RW5-SP303-20241114	Water	Potassium	792	J	685	800	1000	ug/L
P4868-03	RW5-SP303-20241114	Water	Sodium	10700		237	500	1000	ug/L
P4868-03	RW5-SP303-20241114	Water	Zinc	9.05	J	1.75	5.00	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:	Tetra Tech NUS, Inc.	Date Collected:	11/14/24
Project:	CTO WE13	Date Received:	11/14/24
Client Sample ID:	RW5-SP100-20241114	SDG No.:	P4868
Lab Sample ID:	P4868-01	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	40.0	U	1	28.3	40.0	50.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-36-0	Antimony	6.25	U	1	2.06	6.25	25.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-38-2	Arsenic	8.00	U	1	3.48	8.00	10.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-39-3	Barium	12.5	U	1	6.28	12.5	50.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-41-7	Beryllium	0.75	U	1	0.13	0.75	3.00	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-43-9	Cadmium	0.75	U	1	0.094	0.75	3.00	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-70-2	Calcium	3290		1	33.0	250	1000	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-47-3	Chromium	1.94	J	1	0.66	2.50	5.00	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-48-4	Cobalt	2.82	J	1	0.50	3.75	15.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-50-8	Copper	8.00	U	1	7.07	8.00	10.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7439-89-6	Iron	1210		1	18.5	40.0	50.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7439-92-1	Lead	6.72		1	3.51	4.80	6.00	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7439-95-4	Magnesium	1320		1	39.4	250	1000	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7439-96-5	Manganese	20.0		1	1.46	2.50	10.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	11/18/24 13:05	11/18/24 15:06	SW7470A	
7440-02-0	Nickel	4.70	J	1	0.85	5.00	20.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-09-7	Potassium	800	U	1	685	800	1000	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7782-49-2	Selenium	8.00	U	1	5.88	8.00	10.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-22-4	Silver	2.50	U	1	0.58	2.50	5.00	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-23-5	Sodium	10800		1	237	500	1000	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-28-0	Thallium	10.0	U	1	2.32	10.0	20.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-62-2	Vanadium	10.0	U	1	3.06	10.0	20.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	SW3010
7440-66-6	Zinc	14.8	J	1	1.75	5.00	20.0	ug/L	11/15/24 13:00	11/18/24 16:08	SW6010	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:	Tetra Tech NUS, Inc.	Date Collected:	11/14/24
Project:	CTO WE13	Date Received:	11/14/24
Client Sample ID:	RW5-SP303-20241114	SDG No.:	P4868
Lab Sample ID:	P4868-03	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	40.0	U	1	28.3	40.0	50.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-36-0	Antimony	6.25	U	1	2.06	6.25	25.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-38-2	Arsenic	8.00	U	1	3.48	8.00	10.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-39-3	Barium	12.5	U	1	6.28	12.5	50.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-41-7	Beryllium	0.75	U	1	0.13	0.75	3.00	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-43-9	Cadmium	0.75	U	1	0.094	0.75	3.00	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-70-2	Calcium	4720		1	33.0	250	1000	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-47-3	Chromium	4.33	J	1	0.66	2.50	5.00	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-48-4	Cobalt	1.62	J	1	0.50	3.75	15.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-50-8	Copper	8.00	U	1	7.07	8.00	10.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7439-89-6	Iron	46.5	J	1	18.5	40.0	50.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7439-92-1	Lead	4.80	U	1	3.51	4.80	6.00	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7439-95-4	Magnesium	1780		1	39.4	250	1000	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7439-96-5	Manganese	36.2		1	1.46	2.50	10.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	11/18/24 13:05	11/18/24 15:08	SW7470A	
7440-02-0	Nickel	2.38	J	1	0.85	5.00	20.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-09-7	Potassium	792	J	1	685	800	1000	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7782-49-2	Selenium	8.00	U	1	5.88	8.00	10.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-22-4	Silver	2.50	U	1	0.58	2.50	5.00	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-23-5	Sodium	10700		1	237	500	1000	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-28-0	Thallium	10.0	U	1	2.32	10.0	20.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-62-2	Vanadium	10.0	U	1	3.06	10.0	20.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010
7440-66-6	Zinc	9.05	J	1	1.75	5.00	20.0	ug/L	11/15/24 13:00	11/18/24 16:12	SW6010	SW3010

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

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

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

METAL CALIBRATION DATA

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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
ICV89	Mercury	3.74	4.0	94	90 - 110	CV	11/18/2024	13:46	LB133490

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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
CCV01	Mercury	4.94	5.0	99	90 - 110	CV	11/18/2024	13:53	LB133490
CCV02	Mercury	4.96	5.0	99	90 - 110	CV	11/18/2024	14:26	LB133490
CCV03	Mercury	5.11	5.0	102	90 - 110	CV	11/18/2024	14:59	LB133490
CCV04	Mercury	5.01	5.0	100	90 - 110	CV	11/18/2024	15:22	LB133490

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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	2680	2500	107	90 - 110	P	11/18/2024	12:57	LB133502
	Antimony	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Arsenic	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Barium	533	520	102	90 - 110	P	11/18/2024	12:57	LB133502
	Beryllium	521	510	102	90 - 110	P	11/18/2024	12:57	LB133502
	Cadmium	523	510	103	90 - 110	P	11/18/2024	12:57	LB133502
	Calcium	10400	10000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Chromium	554	520	107	90 - 110	P	11/18/2024	12:57	LB133502
	Cobalt	530	520	102	90 - 110	P	11/18/2024	12:57	LB133502
	Copper	544	510	107	90 - 110	P	11/18/2024	12:57	LB133502
	Iron	10500	10000	105	90 - 110	P	11/18/2024	12:57	LB133502
	Lead	1030	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Magnesium	6150	6000	102	90 - 110	P	11/18/2024	12:57	LB133502
	Manganese	534	520	103	90 - 110	P	11/18/2024	12:57	LB133502
	Nickel	531	530	100	90 - 110	P	11/18/2024	12:57	LB133502
	Potassium	10400	9900	105	90 - 110	P	11/18/2024	12:57	LB133502
	Selenium	1070	1000	107	90 - 110	P	11/18/2024	12:57	LB133502
	Silver	264	250	106	90 - 110	P	11/18/2024	12:57	LB133502
	Sodium	9990	10000	100	90 - 110	P	11/18/2024	12:57	LB133502
	Thallium	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Vanadium	522	500	104	90 - 110	P	11/18/2024	12:57	LB133502
	Zinc	1080	1000	108	90 - 110	P	11/18/2024	12:57	LB133502

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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	104	100	104	80 - 120	P	11/18/2024	13:11	LB133502
	Antimony	49.6	50.0	99	80 - 120	P	11/18/2024	13:11	LB133502
	Arsenic	18.9	20.0	94	80 - 120	P	11/18/2024	13:11	LB133502
	Barium	101	100	101	80 - 120	P	11/18/2024	13:11	LB133502
	Beryllium	6.06	6.0	101	80 - 120	P	11/18/2024	13:11	LB133502
	Cadmium	6.99	6.0	116	80 - 120	P	11/18/2024	13:11	LB133502
	Calcium	2060	2000	103	80 - 120	P	11/18/2024	13:11	LB133502
	Chromium	10.5	10.0	105	80 - 120	P	11/18/2024	13:11	LB133502
	Cobalt	29.4	30.0	98	80 - 120	P	11/18/2024	13:11	LB133502
	Copper	22.1	20.0	110	80 - 120	P	11/18/2024	13:11	LB133502
	Iron	100	100	100	80 - 120	P	11/18/2024	13:11	LB133502
	Lead	12.1	12.0	101	80 - 120	P	11/18/2024	13:11	LB133502
	Magnesium	2050	2000	102	80 - 120	P	11/18/2024	13:11	LB133502
	Manganese	20.8	20.0	104	80 - 120	P	11/18/2024	13:11	LB133502
	Nickel	39.0	40.0	97	80 - 120	P	11/18/2024	13:11	LB133502
	Potassium	1900	2000	95	80 - 120	P	11/18/2024	13:11	LB133502
	Selenium	20.9	20.0	105	80 - 120	P	11/18/2024	13:11	LB133502
	Silver	10.8	10.0	108	80 - 120	P	11/18/2024	13:11	LB133502
	Sodium	1650	2000	82	80 - 120	P	11/18/2024	13:11	LB133502
	Thallium	39.6	40.0	99	80 - 120	P	11/18/2024	13:11	LB133502
	Vanadium	40.1	40.0	100	80 - 120	P	11/18/2024	13:11	LB133502
	Zinc	43.9	40.0	110	80 - 120	P	11/18/2024	13:11	LB133502

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	11/18/2024	13:52	LB133502
	Antimony	5090	5000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Arsenic	4990	5000	100	90 - 110	P	11/18/2024	13:52	LB133502
	Barium	9590	10000	96	90 - 110	P	11/18/2024	13:52	LB133502
	Beryllium	243	250	97	90 - 110	P	11/18/2024	13:52	LB133502
	Cadmium	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Calcium	24300	25000	97	90 - 110	P	11/18/2024	13:52	LB133502
	Chromium	1020	1000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Cobalt	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Copper	1270	1250	101	90 - 110	P	11/18/2024	13:52	LB133502
	Iron	4940	5000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Lead	4930	5000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Magnesium	24500	25000	98	90 - 110	P	11/18/2024	13:52	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	13:52	LB133502
	Nickel	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Potassium	24900	25000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Selenium	5110	5000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Silver	1250	1250	100	90 - 110	P	11/18/2024	13:52	LB133502
	Sodium	24500	25000	98	90 - 110	P	11/18/2024	13:52	LB133502
	Thallium	5140	5000	103	90 - 110	P	11/18/2024	13:52	LB133502
	Vanadium	2470	2500	99	90 - 110	P	11/18/2024	13:52	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	13:52	LB133502
CCV02	Aluminum	10200	10000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Antimony	5150	5000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Arsenic	5030	5000	101	90 - 110	P	11/18/2024	14:31	LB133502
	Barium	9540	10000	95	90 - 110	P	11/18/2024	14:31	LB133502
	Beryllium	243	250	97	90 - 110	P	11/18/2024	14:31	LB133502
	Cadmium	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Calcium	24500	25000	98	90 - 110	P	11/18/2024	14:31	LB133502
	Chromium	1030	1000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Cobalt	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Copper	1280	1250	102	90 - 110	P	11/18/2024	14:31	LB133502
	Iron	4940	5000	99	90 - 110	P	11/18/2024	14:31	LB133502
	Lead	4980	5000	100	90 - 110	P	11/18/2024	14:31	LB133502

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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	24700	25000	99	90 - 110	P	11/18/2024	14:31	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	14:31	LB133502
	Nickel	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Potassium	25400	25000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Selenium	5160	5000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Silver	1260	1250	100	90 - 110	P	11/18/2024	14:31	LB133502
	Sodium	24400	25000	98	90 - 110	P	11/18/2024	14:31	LB133502
	Thallium	5110	5000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Vanadium	2500	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	14:31	LB133502
CCV03	Aluminum	10000	10000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Antimony	5130	5000	102	90 - 110	P	11/18/2024	15:35	LB133502
	Arsenic	5000	5000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Barium	9430	10000	94	90 - 110	P	11/18/2024	15:35	LB133502
	Beryllium	239	250	96	90 - 110	P	11/18/2024	15:35	LB133502
	Cadmium	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Calcium	23900	25000	96	90 - 110	P	11/18/2024	15:35	LB133502
	Chromium	1020	1000	102	90 - 110	P	11/18/2024	15:35	LB133502
	Cobalt	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Copper	1270	1250	101	90 - 110	P	11/18/2024	15:35	LB133502
	Iron	4850	5000	97	90 - 110	P	11/18/2024	15:35	LB133502
	Lead	4910	5000	98	90 - 110	P	11/18/2024	15:35	LB133502
	Magnesium	24100	25000	96	90 - 110	P	11/18/2024	15:35	LB133502
	Manganese	2320	2500	93	90 - 110	P	11/18/2024	15:35	LB133502
	Nickel	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Potassium	24900	25000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Selenium	5130	5000	103	90 - 110	P	11/18/2024	15:35	LB133502
	Silver	1240	1250	100	90 - 110	P	11/18/2024	15:35	LB133502
	Sodium	24100	25000	96	90 - 110	P	11/18/2024	15:35	LB133502
	Thallium	5000	5000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Vanadium	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	15:35	LB133502
CCV04	Aluminum	10000	10000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Antimony	5140	5000	103	90 - 110	P	11/18/2024	16:25	LB133502

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5020	5000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Barium	9440	10000	94	90 - 110	P	11/18/2024	16:25	LB133502
	Beryllium	241	250	96	90 - 110	P	11/18/2024	16:25	LB133502
	Cadmium	2460	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Calcium	24000	25000	96	90 - 110	P	11/18/2024	16:25	LB133502
	Chromium	1030	1000	103	90 - 110	P	11/18/2024	16:25	LB133502
	Cobalt	2450	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Copper	1270	1250	102	90 - 110	P	11/18/2024	16:25	LB133502
	Iron	4880	5000	98	90 - 110	P	11/18/2024	16:25	LB133502
	Lead	4910	5000	98	90 - 110	P	11/18/2024	16:25	LB133502
	Magnesium	24400	25000	97	90 - 110	P	11/18/2024	16:25	LB133502
	Manganese	2310	2500	92	90 - 110	P	11/18/2024	16:25	LB133502
	Nickel	2450	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Potassium	24900	25000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Selenium	5210	5000	104	90 - 110	P	11/18/2024	16:25	LB133502
	Silver	1260	1250	101	90 - 110	P	11/18/2024	16:25	LB133502
	Sodium	24000	25000	96	90 - 110	P	11/18/2024	16:25	LB133502
	Thallium	5310	5000	106	90 - 110	P	11/18/2024	16:25	LB133502
	Vanadium	2460	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Zinc	2570	2500	103	90 - 110	P	11/18/2024	16:25	LB133502
CCV05	Aluminum	10200	10000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Antimony	5270	5000	105	90 - 110	P	11/18/2024	17:01	LB133502
	Arsenic	5120	5000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Barium	9720	10000	97	90 - 110	P	11/18/2024	17:01	LB133502
	Beryllium	246	250	98	90 - 110	P	11/18/2024	17:01	LB133502
	Cadmium	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Calcium	24400	25000	98	90 - 110	P	11/18/2024	17:01	LB133502
	Chromium	1040	1000	104	90 - 110	P	11/18/2024	17:01	LB133502
	Cobalt	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Copper	1300	1250	104	90 - 110	P	11/18/2024	17:01	LB133502
	Iron	4970	5000	99	90 - 110	P	11/18/2024	17:01	LB133502
	Lead	5000	5000	100	90 - 110	P	11/18/2024	17:01	LB133502
	Magnesium	24700	25000	99	90 - 110	P	11/18/2024	17:01	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	17:01	LB133502

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Potassium	25600	25000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Selenium	5040	5000	101	90 - 110	P	11/18/2024	17:01	LB133502
	Silver	1280	1250	102	90 - 110	P	11/18/2024	17:01	LB133502
	Sodium	25200	25000	101	90 - 110	P	11/18/2024	17:01	LB133502
	Thallium	5140	5000	103	90 - 110	P	11/18/2024	17:01	LB133502
	Vanadium	2510	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	17:01	LB133502
CCV06	Aluminum	10100	10000	101	90 - 110	P	11/18/2024	18:04	LB133502
	Antimony	5200	5000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Arsenic	5080	5000	102	90 - 110	P	11/18/2024	18:04	LB133502
	Barium	9550	10000	96	90 - 110	P	11/18/2024	18:04	LB133502
	Beryllium	245	250	98	90 - 110	P	11/18/2024	18:04	LB133502
	Cadmium	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Calcium	24400	25000	97	90 - 110	P	11/18/2024	18:04	LB133502
	Chromium	1040	1000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Cobalt	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Copper	1280	1250	102	90 - 110	P	11/18/2024	18:04	LB133502
	Iron	4960	5000	99	90 - 110	P	11/18/2024	18:04	LB133502
	Lead	4980	5000	100	90 - 110	P	11/18/2024	18:04	LB133502
	Magnesium	24600	25000	98	90 - 110	P	11/18/2024	18:04	LB133502
	Manganese	2360	2500	94	90 - 110	P	11/18/2024	18:04	LB133502
	Nickel	2490	2500	99	90 - 110	P	11/18/2024	18:04	LB133502
	Potassium	25300	25000	101	90 - 110	P	11/18/2024	18:04	LB133502
	Selenium	4980	5000	100	90 - 110	P	11/18/2024	18:04	LB133502
	Silver	1270	1250	102	90 - 110	P	11/18/2024	18:04	LB133502
	Sodium	24700	25000	99	90 - 110	P	11/18/2024	18:04	LB133502
	Thallium	5170	5000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Vanadium	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Zinc	2570	2500	103	90 - 110	P	11/18/2024	18:04	LB133502
CCV07	Aluminum	10500	10000	105	90 - 110	P	11/18/2024	18:54	LB133502
	Antimony	5440	5000	109	90 - 110	P	11/18/2024	18:54	LB133502
	Arsenic	5290	5000	106	90 - 110	P	11/18/2024	18:54	LB133502
	Barium	9680	10000	97	90 - 110	P	11/18/2024	18:54	LB133502

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	251	250	100	90 - 110	P	11/18/2024	18:54	LB133502
	Cadmium	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Calcium	25000	25000	100	90 - 110	P	11/18/2024	18:54	LB133502
	Chromium	1070	1000	107	90 - 110	P	11/18/2024	18:54	LB133502
	Cobalt	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Copper	1330	1250	106	90 - 110	P	11/18/2024	18:54	LB133502
	Iron	5050	5000	101	90 - 110	P	11/18/2024	18:54	LB133502
	Lead	5140	5000	103	90 - 110	P	11/18/2024	18:54	LB133502
	Magnesium	25300	25000	101	90 - 110	P	11/18/2024	18:54	LB133502
	Manganese	2410	2500	96	90 - 110	P	11/18/2024	18:54	LB133502
	Nickel	2560	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Potassium	25800	25000	103	90 - 110	P	11/18/2024	18:54	LB133502
	Selenium	5260	5000	105	90 - 110	P	11/18/2024	18:54	LB133502
	Silver	1300	1250	104	90 - 110	P	11/18/2024	18:54	LB133502
	Sodium	24400	25000	97	90 - 110	P	11/18/2024	18:54	LB133502
	Thallium	5370	5000	108	90 - 110	P	11/18/2024	18:54	LB133502
	Vanadium	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Zinc	2650	2500	106	90 - 110	P	11/18/2024	18:54	LB133502

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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	2680	2500	107	90 - 110	P	11/20/2024	12:50	LB133540
	Antimony	1020	1000	102	90 - 110	P	11/20/2024	12:50	LB133540
	Arsenic	1040	1000	104	90 - 110	P	11/20/2024	12:50	LB133540
	Barium	535	520	103	90 - 110	P	11/20/2024	12:50	LB133540
	Beryllium	528	510	104	90 - 110	P	11/20/2024	12:50	LB133540
	Cadmium	529	510	104	90 - 110	P	11/20/2024	12:50	LB133540
	Calcium	10500	10000	105	90 - 110	P	11/20/2024	12:50	LB133540
	Chromium	548	520	106	90 - 110	P	11/20/2024	12:50	LB133540
	Cobalt	532	520	102	90 - 110	P	11/20/2024	12:50	LB133540
	Copper	546	510	107	90 - 110	P	11/20/2024	12:50	LB133540
	Iron	10400	10000	104	90 - 110	P	11/20/2024	12:50	LB133540
	Lead	1050	1000	105	90 - 110	P	11/20/2024	12:50	LB133540
	Magnesium	6200	6000	103	90 - 110	P	11/20/2024	12:50	LB133540
	Manganese	540	520	104	90 - 110	P	11/20/2024	12:50	LB133540
	Nickel	535	530	101	90 - 110	P	11/20/2024	12:50	LB133540
	Potassium	10300	9900	104	90 - 110	P	11/20/2024	12:50	LB133540
	Selenium	1070	1000	107	90 - 110	P	11/20/2024	12:50	LB133540
	Silver	267	250	107	90 - 110	P	11/20/2024	12:50	LB133540
	Sodium	9880	10000	99	90 - 110	P	11/20/2024	12:50	LB133540
	Thallium	1090	1000	109	90 - 110	P	11/20/2024	12:50	LB133540
	Vanadium	523	500	105	90 - 110	P	11/20/2024	12:50	LB133540
	Zinc	1090	1000	109	90 - 110	P	11/20/2024	12:50	LB133540

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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	101	100	101	80 - 120	P	11/20/2024	12:59	LB133540
	Antimony	48.0	50.0	96	80 - 120	P	11/20/2024	12:59	LB133540
	Arsenic	17.6	20.0	88	80 - 120	P	11/20/2024	12:59	LB133540
	Barium	95.0	100	95	80 - 120	P	11/20/2024	12:59	LB133540
	Beryllium	5.41	6.0	90	80 - 120	P	11/20/2024	12:59	LB133540
	Cadmium	6.86	6.0	114	80 - 120	P	11/20/2024	12:59	LB133540
	Calcium	1940	2000	97	80 - 120	P	11/20/2024	12:59	LB133540
	Chromium	10.0	10.0	100	80 - 120	P	11/20/2024	12:59	LB133540
	Cobalt	28.3	30.0	94	80 - 120	P	11/20/2024	12:59	LB133540
	Copper	21.0	20.0	105	80 - 120	P	11/20/2024	12:59	LB133540
	Iron	91.6	100	92	80 - 120	P	11/20/2024	12:59	LB133540
	Lead	11.5	12.0	96	80 - 120	P	11/20/2024	12:59	LB133540
	Magnesium	1910	2000	96	80 - 120	P	11/20/2024	12:59	LB133540
	Manganese	19.3	20.0	96	80 - 120	P	11/20/2024	12:59	LB133540
	Nickel	37.3	40.0	93	80 - 120	P	11/20/2024	12:59	LB133540
	Potassium	1790	2000	90	80 - 120	P	11/20/2024	12:59	LB133540
	Selenium	16.0	20.0	80	80 - 120	P	11/20/2024	12:59	LB133540
	Silver	10.1	10.0	101	80 - 120	P	11/20/2024	12:59	LB133540
	Sodium	1620	2000	81	80 - 120	P	11/20/2024	12:59	LB133540
	Thallium	36.9	40.0	92	80 - 120	P	11/20/2024	12:59	LB133540
	Vanadium	38.5	40.0	96	80 - 120	P	11/20/2024	12:59	LB133540
	Zinc	41.3	40.0	103	80 - 120	P	11/20/2024	12:59	LB133540

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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	10000	10000	100	90 - 110	P	11/20/2024	13:35	LB133540
	Antimony	5020	5000	100	90 - 110	P	11/20/2024	13:35	LB133540
	Arsenic	4940	5000	99	90 - 110	P	11/20/2024	13:35	LB133540
	Barium	9530	10000	95	90 - 110	P	11/20/2024	13:35	LB133540
	Beryllium	241	250	96	90 - 110	P	11/20/2024	13:35	LB133540
	Cadmium	2440	2500	98	90 - 110	P	11/20/2024	13:35	LB133540
	Calcium	24200	25000	97	90 - 110	P	11/20/2024	13:35	LB133540
	Chromium	1020	1000	102	90 - 110	P	11/20/2024	13:35	LB133540
	Cobalt	2460	2500	98	90 - 110	P	11/20/2024	13:35	LB133540
	Copper	1270	1250	101	90 - 110	P	11/20/2024	13:35	LB133540
	Iron	4930	5000	99	90 - 110	P	11/20/2024	13:35	LB133540
	Lead	4920	5000	98	90 - 110	P	11/20/2024	13:35	LB133540
	Magnesium	24300	25000	97	90 - 110	P	11/20/2024	13:35	LB133540
	Manganese	2360	2500	94	90 - 110	P	11/20/2024	13:35	LB133540
	Nickel	2460	2500	99	90 - 110	P	11/20/2024	13:35	LB133540
	Potassium	25400	25000	102	90 - 110	P	11/20/2024	13:35	LB133540
	Selenium	5030	5000	101	90 - 110	P	11/20/2024	13:35	LB133540
	Silver	1250	1250	100	90 - 110	P	11/20/2024	13:35	LB133540
	Sodium	24700	25000	99	90 - 110	P	11/20/2024	13:35	LB133540
	Thallium	4950	5000	99	90 - 110	P	11/20/2024	13:35	LB133540
	Vanadium	2460	2500	98	90 - 110	P	11/20/2024	13:35	LB133540
	Zinc	2570	2500	103	90 - 110	P	11/20/2024	13:35	LB133540
CCV02	Aluminum	9020	10000	90	90 - 110	P	11/20/2024	14:50	LB133540
	Antimony	5460	5000	109	90 - 110	P	11/20/2024	14:50	LB133540
	Arsenic	5460	5000	109	90 - 110	P	11/20/2024	14:50	LB133540
	Barium	9550	10000	96	90 - 110	P	11/20/2024	14:50	LB133540
	Beryllium	260	250	104	90 - 110	P	11/20/2024	14:50	LB133540
	Cadmium	2610	2500	104	90 - 110	P	11/20/2024	14:50	LB133540
	Calcium	27000	25000	108	90 - 110	P	11/20/2024	14:50	LB133540
	Chromium	905	1000	90	90 - 110	P	11/20/2024	14:50	LB133540
	Cobalt	2540	2500	102	90 - 110	P	11/20/2024	14:50	LB133540
	Copper	1300	1250	104	90 - 110	P	11/20/2024	14:50	LB133540
	Iron	5120	5000	102	90 - 110	P	11/20/2024	14:50	LB133540
	Lead	5120	5000	102	90 - 110	P	11/20/2024	14:50	LB133540

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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	23800	25000	95	90 - 110	P	11/20/2024	14:50	LB133540
	Manganese	2700	2500	108	90 - 110	P	11/20/2024	14:50	LB133540
	Nickel	2460	2500	98	90 - 110	P	11/20/2024	14:50	LB133540
	Potassium	27300	25000	109	90 - 110	P	11/20/2024	14:50	LB133540
	Selenium	4620	5000	92	90 - 110	P	11/20/2024	14:50	LB133540
	Silver	1290	1250	103	90 - 110	P	11/20/2024	14:50	LB133540
	Sodium	26700	25000	107	90 - 110	P	11/20/2024	14:50	LB133540
	Thallium	4920	5000	98	90 - 110	P	11/20/2024	14:50	LB133540
	Vanadium	2560	2500	102	90 - 110	P	11/20/2024	14:50	LB133540
	Zinc	2280	2500	91	90 - 110	P	11/20/2024	14:50	LB133540
CCV03	Aluminum	9540	10000	95	90 - 110	P	11/20/2024	16:48	LB133540
	Antimony	4680	5000	94	90 - 110	P	11/20/2024	16:48	LB133540
	Arsenic	4610	5000	92	90 - 110	P	11/20/2024	16:48	LB133540
	Barium	9040	10000	90	90 - 110	P	11/20/2024	16:48	LB133540
	Beryllium	237	250	95	90 - 110	P	11/20/2024	16:48	LB133540
	Cadmium	2300	2500	92	90 - 110	P	11/20/2024	16:48	LB133540
	Calcium	23200	25000	93	90 - 110	P	11/20/2024	16:48	LB133540
	Chromium	971	1000	97	90 - 110	P	11/20/2024	16:48	LB133540
	Cobalt	2300	2500	92	90 - 110	P	11/20/2024	16:48	LB133540
	Copper	1180	1250	94	90 - 110	P	11/20/2024	16:48	LB133540
	Iron	4610	5000	92	90 - 110	P	11/20/2024	16:48	LB133540
	Lead	4640	5000	93	90 - 110	P	11/20/2024	16:48	LB133540
	Magnesium	23400	25000	94	90 - 110	P	11/20/2024	16:48	LB133540
	Manganese	2250	2500	90	90 - 110	P	11/20/2024	16:48	LB133540
	Nickel	2300	2500	92	90 - 110	P	11/20/2024	16:48	LB133540
	Potassium	23700	25000	95	90 - 110	P	11/20/2024	16:48	LB133540
	Selenium	4720	5000	94	90 - 110	P	11/20/2024	16:48	LB133540
	Silver	1200	1250	96	90 - 110	P	11/20/2024	16:48	LB133540
	Sodium	22800	25000	91	90 - 110	P	11/20/2024	16:48	LB133540
	Thallium	4610	5000	92	90 - 110	P	11/20/2024	16:48	LB133540
	Vanadium	2350	2500	94	90 - 110	P	11/20/2024	16:48	LB133540
	Zinc	2430	2500	97	90 - 110	P	11/20/2024	16:48	LB133540

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

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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	107	100	107	40 - 160	P	11/18/2024	13:20	LB133502
	Antimony	51.5	50.0	103	40 - 160	P	11/18/2024	13:20	LB133502
	Arsenic	19.8	20.0	99	40 - 160	P	11/18/2024	13:20	LB133502
	Barium	98.9	100	99	40 - 160	P	11/18/2024	13:20	LB133502
	Beryllium	5.98	6.0	100	40 - 160	P	11/18/2024	13:20	LB133502
	Cadmium	7.02	6.0	117	40 - 160	P	11/18/2024	13:20	LB133502
	Calcium	2040	2000	102	40 - 160	P	11/18/2024	13:20	LB133502
	Chromium	10.5	10.0	105	40 - 160	P	11/18/2024	13:20	LB133502
	Cobalt	29.7	30.0	99	40 - 160	P	11/18/2024	13:20	LB133502
	Copper	22.7	20.0	113	40 - 160	P	11/18/2024	13:20	LB133502
	Iron	99.2	100	99	40 - 160	P	11/18/2024	13:20	LB133502
	Lead	11.7	12.0	97	40 - 160	P	11/18/2024	13:20	LB133502
	Magnesium	2030	2000	102	40 - 160	P	11/18/2024	13:20	LB133502
	Manganese	20.0	20.0	100	40 - 160	P	11/18/2024	13:20	LB133502
	Nickel	39.4	40.0	98	40 - 160	P	11/18/2024	13:20	LB133502
	Potassium	1920	2000	96	40 - 160	P	11/18/2024	13:20	LB133502
	Selenium	21.8	20.0	109	40 - 160	P	11/18/2024	13:20	LB133502
	Silver	11.0	10.0	110	40 - 160	P	11/18/2024	13:20	LB133502
	Sodium	1640	2000	82	40 - 160	P	11/18/2024	13:20	LB133502
	Thallium	40.7	40.0	102	40 - 160	P	11/18/2024	13:20	LB133502
	Vanadium	41.7	40.0	104	40 - 160	P	11/18/2024	13:20	LB133502
	Zinc	44.6	40.0	111	40 - 160	P	11/18/2024	13:20	LB133502
CRA	Mercury	0.17	0.2	86	40 - 160	CV	11/18/2024	14:00	LB133490
CRI01	Aluminum	112	100	112	40 - 160	P	11/20/2024	13:13	LB133540
	Antimony	50.5	50.0	101	40 - 160	P	11/20/2024	13:13	LB133540
	Arsenic	21.2	20.0	106	40 - 160	P	11/20/2024	13:13	LB133540
	Barium	99.7	100	100	40 - 160	P	11/20/2024	13:13	LB133540
	Beryllium	5.83	6.0	97	40 - 160	P	11/20/2024	13:13	LB133540
	Cadmium	7.32	6.0	122	40 - 160	P	11/20/2024	13:13	LB133540
	Calcium	2060	2000	103	40 - 160	P	11/20/2024	13:13	LB133540
	Chromium	10.5	10.0	105	40 - 160	P	11/20/2024	13:13	LB133540
	Cobalt	29.8	30.0	99	40 - 160	P	11/20/2024	13:13	LB133540
	Copper	22.6	20.0	113	40 - 160	P	11/20/2024	13:13	LB133540
	Iron	98.8	100	99	40 - 160	P	11/20/2024	13:13	LB133540
	Lead	12.4	12.0	104	40 - 160	P	11/20/2024	13:13	LB133540

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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2040	2000	102	40 - 160	P	11/20/2024	13:13	LB133540
	Manganese	20.5	20.0	103	40 - 160	P	11/20/2024	13:13	LB133540
	Nickel	39.4	40.0	98	40 - 160	P	11/20/2024	13:13	LB133540
	Potassium	1900	2000	95	40 - 160	P	11/20/2024	13:13	LB133540
	Selenium	15.8	20.0	79	40 - 160	P	11/20/2024	13:13	LB133540
	Silver	11.0	10.0	110	40 - 160	P	11/20/2024	13:13	LB133540
	Sodium	1700	2000	85	40 - 160	P	11/20/2024	13:13	LB133540
	Thallium	38.0	40.0	95	40 - 160	P	11/20/2024	13:13	LB133540
	Vanadium	41.1	40.0	103	40 - 160	P	11/20/2024	13:13	LB133540
	Zinc	44.1	40.0	110	40 - 160	P	11/20/2024	13:13	LB133540

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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB89	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	11/18/2024	13:48	LB133490

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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	11/18/2024	13:58	LB133490
CCB02	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	11/18/2024	14:28	LB133490
CCB03	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	11/18/2024	15:01	LB133490
CCB04	Mercury	0.089	+/-0.20	J	0.16	0.20	CV	11/18/2024	15:24	LB133490

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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	80.0	100	P	11/18/2024	13:15	LB133502
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/18/2024	13:15	LB133502
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	13:15	LB133502
	Barium	100	+/-100	U	25.0	100	P	11/18/2024	13:15	LB133502
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	13:15	LB133502
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	13:15	LB133502
	Calcium	2000	+/-2000	U	500	2000	P	11/18/2024	13:15	LB133502
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	13:15	LB133502
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/18/2024	13:15	LB133502
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	13:15	LB133502
	Iron	100	+/-100	U	80.0	100	P	11/18/2024	13:15	LB133502
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/18/2024	13:15	LB133502
	Magnesium	2000	+/-2000	U	500	2000	P	11/18/2024	13:15	LB133502
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/18/2024	13:15	LB133502
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	13:15	LB133502
	Potassium	2000	+/-2000	U	1600	2000	P	11/18/2024	13:15	LB133502
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	13:15	LB133502
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	13:15	LB133502
	Sodium	2000	+/-2000	U	1000	2000	P	11/18/2024	13:15	LB133502
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	13:15	LB133502
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	13:15	LB133502
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	13:15	LB133502

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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	80.0	100	P	11/18/2024	14:02	LB133502
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/18/2024	14:02	LB133502
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	14:02	LB133502
	Barium	100	+/-100	U	25.0	100	P	11/18/2024	14:02	LB133502
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	14:02	LB133502
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	14:02	LB133502
	Calcium	2000	+/-2000	U	500	2000	P	11/18/2024	14:02	LB133502
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	14:02	LB133502
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/18/2024	14:02	LB133502
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	14:02	LB133502
	Iron	100	+/-100	U	80.0	100	P	11/18/2024	14:02	LB133502
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/18/2024	14:02	LB133502
	Magnesium	2000	+/-2000	U	500	2000	P	11/18/2024	14:02	LB133502
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/18/2024	14:02	LB133502
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	14:02	LB133502
	Potassium	2000	+/-2000	U	1600	2000	P	11/18/2024	14:02	LB133502
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	14:02	LB133502
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	14:02	LB133502
	Sodium	2000	+/-2000	U	1000	2000	P	11/18/2024	14:02	LB133502
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	14:02	LB133502
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	14:02	LB133502
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	14:02	LB133502
CCB02	Aluminum	100	+/-100	U	80.0	100	P	11/18/2024	14:35	LB133502
	Antimony	4.42	+/-50.0	J	12.5	50.0	P	11/18/2024	14:35	LB133502
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	14:35	LB133502
	Barium	18.0	+/-100	J	25.0	100	P	11/18/2024	14:35	LB133502
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	14:35	LB133502
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	14:35	LB133502
	Calcium	2000	+/-2000	U	500	2000	P	11/18/2024	14:35	LB133502
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	14:35	LB133502
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/18/2024	14:35	LB133502
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	14:35	LB133502
	Iron	100	+/-100	U	80.0	100	P	11/18/2024	14:35	LB133502
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/18/2024	14:35	LB133502
	Magnesium	2000	+/-2000	U	500	2000	P	11/18/2024	14:35	LB133502
	Manganese	5.73	+/-20.0	J	5.00	20.0	P	11/18/2024	14:35	LB133502
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	14:35	LB133502
	Potassium	2000	+/-2000	U	1600	2000	P	11/18/2024	14:35	LB133502
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	14:35	LB133502

Alliance TECHNICAL GROUP
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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	14:35	LB133502
	Sodium	2000	+/-2000	U	1000	2000	P	11/18/2024	14:35	LB133502
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	14:35	LB133502
	Vanadium	6.17	+/-40.0	J	20.0	40.0	P	11/18/2024	14:35	LB133502
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	14:35	LB133502
CCB03	Aluminum	100	+/-100	U	80.0	100	P	11/18/2024	15:39	LB133502
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/18/2024	15:39	LB133502
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	15:39	LB133502
	Barium	100	+/-100	U	25.0	100	P	11/18/2024	15:39	LB133502
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	15:39	LB133502
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	15:39	LB133502
	Calcium	2000	+/-2000	U	500	2000	P	11/18/2024	15:39	LB133502
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	15:39	LB133502
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/18/2024	15:39	LB133502
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	15:39	LB133502
	Iron	100	+/-100	U	80.0	100	P	11/18/2024	15:39	LB133502
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/18/2024	15:39	LB133502
	Magnesium	2000	+/-2000	U	500	2000	P	11/18/2024	15:39	LB133502
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/18/2024	15:39	LB133502
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	15:39	LB133502
	Potassium	2000	+/-2000	U	1600	2000	P	11/18/2024	15:39	LB133502
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	15:39	LB133502
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	15:39	LB133502
	Sodium	2000	+/-2000	U	1000	2000	P	11/18/2024	15:39	LB133502
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	15:39	LB133502
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	15:39	LB133502
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	15:39	LB133502
CCB04	Aluminum	100	+/-100	U	80.0	100	P	11/18/2024	16:29	LB133502
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/18/2024	16:29	LB133502
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	16:29	LB133502
	Barium	100	+/-100	U	25.0	100	P	11/18/2024	16:29	LB133502
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	16:29	LB133502
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	16:29	LB133502
	Calcium	2000	+/-2000	U	500	2000	P	11/18/2024	16:29	LB133502
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	16:29	LB133502
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/18/2024	16:29	LB133502
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	16:29	LB133502
	Iron	100	+/-100	U	80.0	100	P	11/18/2024	16:29	LB133502
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/18/2024	16:29	LB133502

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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	500	2000	P	11/18/2024	16:29	LB133502
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/18/2024	16:29	LB133502
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	16:29	LB133502
	Potassium	2000	+/-2000	U	1600	2000	P	11/18/2024	16:29	LB133502
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	16:29	LB133502
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	16:29	LB133502
	Sodium	2000	+/-2000	U	1000	2000	P	11/18/2024	16:29	LB133502
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	16:29	LB133502
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	16:29	LB133502
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	16:29	LB133502
CCB05	Aluminum	100	+/-100	U	80.0	100	P	11/18/2024	17:06	LB133502
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/18/2024	17:06	LB133502
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	17:06	LB133502
	Barium	100	+/-100	U	25.0	100	P	11/18/2024	17:06	LB133502
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	17:06	LB133502
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	17:06	LB133502
	Calcium	2000	+/-2000	U	500	2000	P	11/18/2024	17:06	LB133502
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	17:06	LB133502
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/18/2024	17:06	LB133502
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	17:06	LB133502
	Iron	100	+/-100	U	80.0	100	P	11/18/2024	17:06	LB133502
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/18/2024	17:06	LB133502
	Magnesium	2000	+/-2000	U	500	2000	P	11/18/2024	17:06	LB133502
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/18/2024	17:06	LB133502
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	17:06	LB133502
	Potassium	2000	+/-2000	U	1600	2000	P	11/18/2024	17:06	LB133502
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	17:06	LB133502
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	17:06	LB133502
	Sodium	2000	+/-2000	U	1000	2000	P	11/18/2024	17:06	LB133502
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	17:06	LB133502
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	17:06	LB133502
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	17:06	LB133502
CCB06	Aluminum	100	+/-100	U	80.0	100	P	11/18/2024	18:08	LB133502
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/18/2024	18:08	LB133502
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	18:08	LB133502
	Barium	100	+/-100	U	25.0	100	P	11/18/2024	18:08	LB133502
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	18:08	LB133502
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	18:08	LB133502
	Calcium	2000	+/-2000	U	500	2000	P	11/18/2024	18:08	LB133502

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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	18:08	LB133502
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/18/2024	18:08	LB133502
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	18:08	LB133502
	Iron	100	+/-100	U	80.0	100	P	11/18/2024	18:08	LB133502
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/18/2024	18:08	LB133502
	Magnesium	2000	+/-2000	U	500	2000	P	11/18/2024	18:08	LB133502
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/18/2024	18:08	LB133502
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	18:08	LB133502
	Potassium	2000	+/-2000	U	1600	2000	P	11/18/2024	18:08	LB133502
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	18:08	LB133502
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	18:08	LB133502
	Sodium	2000	+/-2000	U	1000	2000	P	11/18/2024	18:08	LB133502
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	18:08	LB133502
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	18:08	LB133502
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	18:08	LB133502
CCB07	Aluminum	100	+/-100	U	80.0	100	P	11/18/2024	18:58	LB133502
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/18/2024	18:58	LB133502
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	18:58	LB133502
	Barium	100	+/-100	U	25.0	100	P	11/18/2024	18:58	LB133502
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	18:58	LB133502
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/18/2024	18:58	LB133502
	Calcium	2000	+/-2000	U	500	2000	P	11/18/2024	18:58	LB133502
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	18:58	LB133502
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/18/2024	18:58	LB133502
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	18:58	LB133502
	Iron	100	+/-100	U	80.0	100	P	11/18/2024	18:58	LB133502
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/18/2024	18:58	LB133502
	Magnesium	2000	+/-2000	U	500	2000	P	11/18/2024	18:58	LB133502
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/18/2024	18:58	LB133502
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	18:58	LB133502
	Potassium	2000	+/-2000	U	1600	2000	P	11/18/2024	18:58	LB133502
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/18/2024	18:58	LB133502
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/18/2024	18:58	LB133502
	Sodium	2000	+/-2000	U	1000	2000	P	11/18/2024	18:58	LB133502
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	18:58	LB133502
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/18/2024	18:58	LB133502
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/18/2024	18:58	LB133502

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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	80.0	100	P	11/20/2024	13:09	LB133540
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/20/2024	13:09	LB133540
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	13:09	LB133540
	Barium	100	+/-100	U	25.0	100	P	11/20/2024	13:09	LB133540
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/20/2024	13:09	LB133540
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/20/2024	13:09	LB133540
	Calcium	2000	+/-2000	U	500	2000	P	11/20/2024	13:09	LB133540
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/20/2024	13:09	LB133540
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/20/2024	13:09	LB133540
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	13:09	LB133540
	Iron	100	+/-100	U	80.0	100	P	11/20/2024	13:09	LB133540
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/20/2024	13:09	LB133540
	Magnesium	2000	+/-2000	U	500	2000	P	11/20/2024	13:09	LB133540
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/20/2024	13:09	LB133540
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/20/2024	13:09	LB133540
	Potassium	2000	+/-2000	U	1600	2000	P	11/20/2024	13:09	LB133540
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	13:09	LB133540
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/20/2024	13:09	LB133540
	Sodium	2000	+/-2000	U	1000	2000	P	11/20/2024	13:09	LB133540
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/20/2024	13:09	LB133540
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/20/2024	13:09	LB133540
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/20/2024	13:09	LB133540

Alliance TECHNICAL GROUP
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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	80.0	100	P	11/20/2024	13:46	LB133540
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/20/2024	13:46	LB133540
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	13:46	LB133540
	Barium	100	+/-100	U	25.0	100	P	11/20/2024	13:46	LB133540
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/20/2024	13:46	LB133540
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/20/2024	13:46	LB133540
	Calcium	2000	+/-2000	U	500	2000	P	11/20/2024	13:46	LB133540
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/20/2024	13:46	LB133540
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/20/2024	13:46	LB133540
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	13:46	LB133540
	Iron	100	+/-100	U	80.0	100	P	11/20/2024	13:46	LB133540
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/20/2024	13:46	LB133540
	Magnesium	2000	+/-2000	U	500	2000	P	11/20/2024	13:46	LB133540
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/20/2024	13:46	LB133540
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/20/2024	13:46	LB133540
	Potassium	2000	+/-2000	U	1600	2000	P	11/20/2024	13:46	LB133540
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	13:46	LB133540
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/20/2024	13:46	LB133540
	Sodium	2000	+/-2000	U	1000	2000	P	11/20/2024	13:46	LB133540
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/20/2024	13:46	LB133540
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/20/2024	13:46	LB133540
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/20/2024	13:46	LB133540
CCB02	Aluminum	100	+/-100	U	80.0	100	P	11/20/2024	15:00	LB133540
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/20/2024	15:00	LB133540
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	15:00	LB133540
	Barium	100	+/-100	U	25.0	100	P	11/20/2024	15:00	LB133540
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/20/2024	15:00	LB133540
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/20/2024	15:00	LB133540
	Calcium	2000	+/-2000	U	500	2000	P	11/20/2024	15:00	LB133540
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/20/2024	15:00	LB133540
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/20/2024	15:00	LB133540
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	15:00	LB133540
	Iron	100	+/-100	U	80.0	100	P	11/20/2024	15:00	LB133540
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/20/2024	15:00	LB133540
	Magnesium	2000	+/-2000	U	500	2000	P	11/20/2024	15:00	LB133540
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/20/2024	15:00	LB133540
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/20/2024	15:00	LB133540
	Potassium	2000	+/-2000	U	1600	2000	P	11/20/2024	15:00	LB133540
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	15:00	LB133540

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.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/20/2024	15:00	LB133540
	Sodium	2000	+/-2000	U	1000	2000	P	11/20/2024	15:00	LB133540
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/20/2024	15:00	LB133540
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/20/2024	15:00	LB133540
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/20/2024	15:00	LB133540
CCB03	Aluminum	100	+/-100	U	80.0	100	P	11/20/2024	16:52	LB133540
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	11/20/2024	16:52	LB133540
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	16:52	LB133540
	Barium	100	+/-100	U	25.0	100	P	11/20/2024	16:52	LB133540
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	11/20/2024	16:52	LB133540
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	11/20/2024	16:52	LB133540
	Calcium	2000	+/-2000	U	500	2000	P	11/20/2024	16:52	LB133540
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	11/20/2024	16:52	LB133540
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	11/20/2024	16:52	LB133540
	Copper	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	16:52	LB133540
	Iron	100	+/-100	U	80.0	100	P	11/20/2024	16:52	LB133540
	Lead	12.0	+/-12.0	U	9.60	12.0	P	11/20/2024	16:52	LB133540
	Magnesium	2000	+/-2000	U	500	2000	P	11/20/2024	16:52	LB133540
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	11/20/2024	16:52	LB133540
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	11/20/2024	16:52	LB133540
	Potassium	2000	+/-2000	U	1600	2000	P	11/20/2024	16:52	LB133540
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	11/20/2024	16:52	LB133540
	Silver	10.0	+/-10.0	U	5.00	10.0	P	11/20/2024	16:52	LB133540
	Sodium	2000	+/-2000	U	1000	2000	P	11/20/2024	16:52	LB133540
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	11/20/2024	16:52	LB133540
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	11/20/2024	16:52	LB133540
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	11/20/2024	16:52	LB133540

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165066BL		**WATER**		**Batch Number:**		**PB165066**		**Prep Date:**	**11/18/2024**	
	Mercury	0.20	<0.20	U	0.16	0.20	CV	11/18/2024	14:43	LB133490

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165011BL		**WATER**		**Batch Number:**		**PB165011**		**Prep Date:**	**11/15/2024**	
	Aluminum	50.0	<50.0	U	40.0	50.0	P	11/20/2024	16:39	LB133540
	Antimony	25.0	<25.0	U	6.25	25.0	P	11/20/2024	16:39	LB133540
	Arsenic	10.0	<10.0	U	8.00	10.0	P	11/20/2024	16:39	LB133540
	Barium	50.0	<50.0	U	12.5	50.0	P	11/20/2024	16:39	LB133540
	Beryllium	3.00	<3.00	U	0.75	3.00	P	11/20/2024	16:39	LB133540
	Cadmium	3.00	<3.00	U	0.75	3.00	P	11/20/2024	16:39	LB133540
	Calcium	1000	<1000	U	250	1000	P	11/20/2024	16:39	LB133540
	Chromium	5.00	<5.00	U	2.50	5.00	P	11/20/2024	16:39	LB133540
	Cobalt	15.0	<15.0	U	3.75	15.0	P	11/20/2024	16:39	LB133540
	Copper	10.0	<10.0	U	8.00	10.0	P	11/20/2024	16:39	LB133540
	Iron	50.0	<50.0	U	40.0	50.0	P	11/20/2024	16:39	LB133540
	Lead	6.00	<6.00	U	4.80	6.00	P	11/20/2024	16:39	LB133540
	Magnesium	1000	<1000	U	250	1000	P	11/20/2024	16:39	LB133540
	Manganese	10.0	<10.0	U	2.50	10.0	P	11/20/2024	16:39	LB133540
	Nickel	20.0	<20.0	U	5.00	20.0	P	11/20/2024	16:39	LB133540
	Potassium	1000	<1000	U	800	1000	P	11/20/2024	16:39	LB133540
	Selenium	10.0	<10.0	U	8.00	10.0	P	11/20/2024	16:39	LB133540
	Silver	5.00	<5.00	U	2.50	5.00	P	11/20/2024	16:39	LB133540
	Sodium	1000	<1000	U	500	1000	P	11/20/2024	16:39	LB133540
	Thallium	20.0	<20.0	U	10.0	20.0	P	11/20/2024	16:39	LB133540
	Vanadium	20.0	<20.0	U	10.0	20.0	P	11/20/2024	16:39	LB133540
	Zinc	20.0	<20.0	U	5.00	20.0	P	11/20/2024	16:39	LB133540

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	255000	255000	100	216000	294000	11/18/2024	13:30	LB133502
	Antimony	-3.34			-50	50	11/18/2024	13:30	LB133502
	Arsenic	6.18			-20	20	11/18/2024	13:30	LB133502
	Barium	2.50	6.0	42	-94	106	11/18/2024	13:30	LB133502
	Beryllium	1.39			-6	6	11/18/2024	13:30	LB133502
	Cadmium	4.50	1.0	450	-5	7	11/18/2024	13:30	LB133502
	Calcium	234000	245000	96	208000	282000	11/18/2024	13:30	LB133502
	Chromium	56.3	52.0	108	42	62	11/18/2024	13:30	LB133502
	Cobalt	1.87			-30	30	11/18/2024	13:30	LB133502
	Copper	14.3	2.0	715	-18	22	11/18/2024	13:30	LB133502
	Iron	96400	101000	95	85600	116500	11/18/2024	13:30	LB133502
	Lead	8.39			-12	12	11/18/2024	13:30	LB133502
	Magnesium	257000	255000	101	216000	294000	11/18/2024	13:30	LB133502
	Manganese	3.33	7.0	48	-13	27	11/18/2024	13:30	LB133502
	Nickel	2.89	2.0	144	-38	42	11/18/2024	13:30	LB133502
	Potassium	43.3			0	0	11/18/2024	13:30	LB133502
	Selenium	-16.2			-20	20	11/18/2024	13:30	LB133502
	Silver	-0.11			-10	10	11/18/2024	13:30	LB133502
	Sodium	-43.4			0	0	11/18/2024	13:30	LB133502
	Thallium	-4.41			-40	40	11/18/2024	13:30	LB133502
	Vanadium	7.77			-40	40	11/18/2024	13:30	LB133502
	Zinc	5.14			-40	40	11/18/2024	13:30	LB133502
ICSAB01	Aluminum	263000	247000	106	209000	285000	11/18/2024	13:42	LB133502
	Antimony	633	618	102	525	711	11/18/2024	13:42	LB133502
	Arsenic	116	104	112	88.4	120	11/18/2024	13:42	LB133502
	Barium	493	537	92	437	637	11/18/2024	13:42	LB133502
	Beryllium	495	495	100	420	570	11/18/2024	13:42	LB133502
	Cadmium	1020	972	105	826	1120	11/18/2024	13:42	LB133502
	Calcium	238000	235000	101	199000	271000	11/18/2024	13:42	LB133502
	Chromium	579	542	107	460	624	11/18/2024	13:42	LB133502
	Cobalt	508	476	107	404	548	11/18/2024	13:42	LB133502
	Copper	506	511	99	434	588	11/18/2024	13:42	LB133502
	Iron	98700	99300	99	84400	114500	11/18/2024	13:42	LB133502
	Lead	57.7	49.0	118	37	61	11/18/2024	13:42	LB133502
	Magnesium	262000	248000	106	210000	286000	11/18/2024	13:42	LB133502
	Manganese	475	507	94	430	584	11/18/2024	13:42	LB133502
	Nickel	1000	954	105	810	1100	11/18/2024	13:42	LB133502
	Potassium	-18.9			0	0	11/18/2024	13:42	LB133502
	Selenium	32.7	46.0	71	26	66	11/18/2024	13:42	LB133502
	Silver	202	201	100	170	232	11/18/2024	13:42	LB133502
	Sodium	-170			0	0	11/18/2024	13:42	LB133502
	Thallium	91.6	108	85	68	148	11/18/2024	13:42	LB133502

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	499	491	102	417	565	11/18/2024	13:42	LB133502
	Zinc	894	952	94	809	1095	11/18/2024	13:42	LB133502
ICSA01	Aluminum	268000	255000	105	216000	294000	11/20/2024	13:17	LB133540
	Antimony	-4.03			-50	50	11/20/2024	13:17	LB133540
	Arsenic	5.49			-20	20	11/20/2024	13:17	LB133540
	Barium	1.32	6.0	22	-94	106	11/20/2024	13:17	LB133540
	Beryllium	1.44			-6	6	11/20/2024	13:17	LB133540
	Cadmium	6.68	1.0	668	-5	7	11/20/2024	13:17	LB133540
	Calcium	244000	245000	100	208000	282000	11/20/2024	13:17	LB133540
	Chromium	58.8	52.0	113	42	62	11/20/2024	13:17	LB133540
	Cobalt	2.35			-30	30	11/20/2024	13:17	LB133540
	Copper	15.6	2.0	780	-18	22	11/20/2024	13:17	LB133540
	Iron	101000	101000	100	85600	116500	11/20/2024	13:17	LB133540
	Lead	7.49			-12	12	11/20/2024	13:17	LB133540
	Magnesium	269000	255000	106	216000	294000	11/20/2024	13:17	LB133540
	Manganese	3.17	7.0	45	-13	27	11/20/2024	13:17	LB133540
	Nickel	2.95	2.0	148	-38	42	11/20/2024	13:17	LB133540
	Potassium	-5.15			0	0	11/20/2024	13:17	LB133540
	Selenium	-18.8			-20	20	11/20/2024	13:17	LB133540
	Silver	-1.10			-10	10	11/20/2024	13:17	LB133540
	Sodium	-74.9			0	0	11/20/2024	13:17	LB133540
	Thallium	-1.13			-40	40	11/20/2024	13:17	LB133540
	Vanadium	8.64			-40	40	11/20/2024	13:17	LB133540
	Zinc	5.94			-40	40	11/20/2024	13:17	LB133540
ICSAB01	Aluminum	268000	247000	108	209000	285000	11/20/2024	13:28	LB133540
	Antimony	644	618	104	525	711	11/20/2024	13:28	LB133540
	Arsenic	118	104	114	88.4	120	11/20/2024	13:28	LB133540
	Barium	517	537	96	437	637	11/20/2024	13:28	LB133540
	Beryllium	514	495	104	420	570	11/20/2024	13:28	LB133540
	Cadmium	1050	972	108	826	1120	11/20/2024	13:28	LB133540
	Calcium	244000	235000	104	199000	271000	11/20/2024	13:28	LB133540
	Chromium	583	542	108	460	624	11/20/2024	13:28	LB133540
	Cobalt	527	476	111	404	548	11/20/2024	13:28	LB133540
	Copper	520	511	102	434	588	11/20/2024	13:28	LB133540
	Iron	100000	99300	101	84400	114500	11/20/2024	13:28	LB133540
	Lead	57.8	49.0	118	37	61	11/20/2024	13:28	LB133540
	Magnesium	267000	248000	108	210000	286000	11/20/2024	13:28	LB133540
	Manganese	497	507	98	430	584	11/20/2024	13:28	LB133540
	Nickel	1040	954	109	810	1100	11/20/2024	13:28	LB133540
	Potassium	-40.7			0	0	11/20/2024	13:28	LB133540
	Selenium	30.2	46.0	66	26	66	11/20/2024	13:28	LB133540
	Silver	206	201	102	170	232	11/20/2024	13:28	LB133540

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	-45.3			0	0	11/20/2024	13:28	LB133540
	Thallium	90.2	108	84	68	148	11/20/2024	13:28	LB133540
	Vanadium	510	491	104	417	565	11/20/2024	13:28	LB133540
	Zinc	916	952	96	809	1095	11/20/2024	13:28	LB133540

METAL QC DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** P4868

contract: TETR06 **lab code:** CHEM **case no.:** P4868 **sas no.:** P4868

matrix: Water **sample id:** P4867-04 **client id:** TT-072-IDWGW-20241113MS

Percent Solids for Sample: NA **Spiked ID:** P4867-04MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.34		0.20	U	4.0	108		CV

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** P4868

contract: TETR06 **lab code:** CHEM **case no.:** P4868 **sas no.:** P4868

matrix: Water **sample id:** P4867-04 **client id:** TT-072-IDWGW-20241113MSD

Percent Solids for Sample: NA **Spiked ID:** P4867-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.99		0.20	U	4.0	100		CV

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** P4868

contract: TETR06 **lab code:** CHEM **case no.:** P4868 **sas no.:** P4868

matrix: Water **sample id:** P4868-03 **client id:** RW5-SP303-20241114MS

Percent Solids for Sample: NA **Spiked ID:** P4868-03MS **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	1070		50.0	U	1000	107		P
Antimony	ug/L	88 - 113	416		25.0	U	400	104		P
Arsenic	ug/L	87 - 113	403		10.0	U	400	101		P
Barium	ug/L	88 - 113	103		50.0	U	100	103		P
Beryllium	ug/L	89 - 112	99.6		3.00	U	100	100		P
Cadmium	ug/L	88 - 113	98.0		3.00	U	100	98		P
Calcium	ug/L	87 - 113	5170		4720		500	90		P
Chromium	ug/L	90 - 113	218		4.33	J	200	107		P
Cobalt	ug/L	89 - 114	101		1.62	J	100	100		P
Copper	ug/L	86 - 114	158		10.0	U	150	105		P
Iron	ug/L	87 - 115	1560		46.5	J	1500	101		P
Lead	ug/L	86 - 113	475		6.00	U	500	95		P
Magnesium	ug/L	85 - 113	2770		1780		1000	99		P
Manganese	ug/L	90 - 114	137		36.2		100	101		P
Nickel	ug/L	88 - 113	249		2.38	J	250	99		P
Potassium	ug/L	86 - 114	5780		792	J	5000	100		P
Selenium	ug/L	83 - 114	1010		10.0	U	1000	101		P
Silver	ug/L	84 - 115	31.9		5.00	U	37.5	85		P
Sodium	ug/L	87 - 115	11800		10700		1500	73		P
Thallium	ug/L	85 - 114	1030		20.0	U	1000	103		P
Vanadium	ug/L	90 - 111	159		20.0	U	150	106		P
Zinc	ug/L	87 - 115	115		9.05	J	100	106		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** P4868

contract: TETR06 **lab code:** CHEM **case no.:** P4868 **sas no.:** P4868

matrix: Water **sample id:** P4868-03 **client id:** RW5-SP303-20241114MSD

Percent Solids for Sample: NA **Spiked ID:** P4868-03MSD **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	1070		50.0	U	1000	107		P
Antimony	ug/L	88 - 113	414		25.0	U	400	104		P
Arsenic	ug/L	87 - 113	402		10.0	U	400	100		P
Barium	ug/L	88 - 113	102		50.0	U	100	102		P
Beryllium	ug/L	89 - 112	98.7		3.00	U	100	99		P
Cadmium	ug/L	88 - 113	97.0		3.00	U	100	97		P
Calcium	ug/L	87 - 113	5110		4720		500	78		P
Chromium	ug/L	90 - 113	217		4.33	J	200	106		P
Cobalt	ug/L	89 - 114	101		1.62	J	100	99		P
Copper	ug/L	86 - 114	157		10.0	U	150	105		P
Iron	ug/L	87 - 115	1570		46.5	J	1500	101		P
Lead	ug/L	86 - 113	470		6.00	U	500	94		P
Magnesium	ug/L	85 - 113	2750		1780		1000	97		P
Manganese	ug/L	90 - 114	136		36.2		100	100		P
Nickel	ug/L	88 - 113	247		2.38	J	250	98		P
Potassium	ug/L	86 - 114	5810		792	J	5000	100		P
Selenium	ug/L	83 - 114	1010		10.0	U	1000	101		P
Silver	ug/L	84 - 115	32.0		5.00	U	37.5	85		P
Sodium	ug/L	87 - 115	12000		10700		1500	82		P
Thallium	ug/L	85 - 114	1050		20.0	U	1000	105		P
Vanadium	ug/L	90 - 111	157		20.0	U	150	105		P
Zinc	ug/L	87 - 115	116		9.05	J	100	107		P

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

Metals
- 5b -

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Matrix: Water **Sample ID:** P4867-04 **Client ID:** TT-072-IDWGW-20241113DUP

Percent Solids for Sample: NA **Duplicate ID** P4867-04DUP **Percent Solids for Spike Sample:** NA

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

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Matrix: Water **Sample ID:** P4867-04MS **Client ID:** TT-072-IDWGW-20241113MSD

Percent Solids for Sample: NA **Duplicate ID** P4867-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.34		3.99		8		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Matrix: Water **Sample ID:** P4868-03 **Client ID:** RW5-SP303-20241114DUP

Percent Solids for Sample: NA **Duplicate ID** P4868-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	50.0	U	50.0	U			P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	50.0	U	50.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	4720		4740		0		P
Chromium	ug/L	20	4.33	J	4.42	J	2		P
Cobalt	ug/L	20	1.62	J	1.70	J	5		P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	46.5	J	44.5	J	4		P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	1780		1790		1		P
Manganese	ug/L	20	36.2		36.6		1		P
Nickel	ug/L	20	2.38	J	2.38	J	0		P
Potassium	ug/L	20	792	J	807	J	2		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	10700		10900		2		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	9.05	J	9.29	J	3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Matrix: Water **Sample ID:** P4868-03MS **Client ID:** RW5-SP303-20241114MSD

Percent Solids for Sample: NA **Duplicate ID** P4868-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1070		1070		0		P
Antimony	ug/L	20	416		414		0		P
Arsenic	ug/L	20	403		402		0		P
Barium	ug/L	20	103		102		1		P
Beryllium	ug/L	20	99.6		98.7		1		P
Cadmium	ug/L	20	98.0		97.0		1		P
Calcium	ug/L	20	5170		5110		1		P
Chromium	ug/L	20	218		217		0		P
Cobalt	ug/L	20	101		101		0		P
Copper	ug/L	20	158		157		1		P
Iron	ug/L	20	1560		1570		1		P
Lead	ug/L	20	475		470		1		P
Magnesium	ug/L	20	2770		2750		1		P
Manganese	ug/L	20	137		136		1		P
Nickel	ug/L	20	249		247		1		P
Potassium	ug/L	20	5780		5810		1		P
Selenium	ug/L	20	1010		1010		0		P
Silver	ug/L	20	31.9		32.0		0		P
Sodium	ug/L	20	11800		12000		2		P
Thallium	ug/L	20	1030		1050		2		P
Vanadium	ug/L	20	159		157		1		P
Zinc	ug/L	20	115		116		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165011BS							
Aluminum	ug/L	1000	978		98	86 - 115	P
Antimony	ug/L	400	375		94	88 - 113	P
Arsenic	ug/L	400	372		93	87 - 113	P
Barium	ug/L	100	90.6		91	88 - 113	P
Beryllium	ug/L	100	98.3		98	89 - 112	P
Cadmium	ug/L	100	92.6		93	88 - 113	P
Calcium	ug/L	500	484	J	97	87 - 113	P
Chromium	ug/L	200	199		100	90 - 113	P
Cobalt	ug/L	100	93.7		94	89 - 114	P
Copper	ug/L	150	150		100	86 - 114	P
Iron	ug/L	1500	1400		93	87 - 115	P
Lead	ug/L	500	468		94	86 - 113	P
Magnesium	ug/L	1000	954	J	95	85 - 113	P
Manganese	ug/L	100	94.5		94	90 - 114	P
Nickel	ug/L	250	235		94	88 - 113	P
Potassium	ug/L	5000	4630		93	86 - 114	P
Selenium	ug/L	1000	962		96	83 - 114	P
Silver	ug/L	37.5	36.7		98	84 - 115	P
Sodium	ug/L	1500	1320		88	87 - 115	P
Thallium	ug/L	1000	965		96	85 - 114	P
Vanadium	ug/L	150	145		97	90 - 111	P
Zinc	ug/L	100	101		101	87 - 115	P

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

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165066BS							
Mercury	ug/L	4.0	3.42		86	82 - 119	CV

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

TT-072-IDWGW-20241113L

Lab Name: Chemtech Consulting Group **Contract:** TETR06

Lab Code: CHEM **Lb No.:** lb133490 **Lab Sample ID :** P4867-04L **SDG No.:** P4868

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.20	U	1.00	U			CV

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

RW5-SP303-20241114L

Lab Name: Chemtech Consulting Group **Contract:** TETR06

Lab Code: CHEM **Lb No.:** lb133502 **Lab Sample ID :** P4868-03L **SDG No.:** P4868

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	50.0	U	250	U			P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	50.0	U	250	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	4720		4770	J	1		P
Chromium	4.33	J	4.27	J	2		P
Cobalt	1.62	J	75.0	U	100.0		P
Copper	10.0	U	50.0	U			P
Iron	46.5	J	250	U	100.0		P
Lead	6.00	U	30.0	U			P
Magnesium	1780		1810	J	2		P
Manganese	36.2		37.3	J	3		P
Nickel	2.38	J	100	U	100.0		P
Potassium	792	J	5000	U	100.0		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	10700		9520		11		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	9.05	J	10.1	J	11		P

METAL PREPARATION & INSTRUMENT DATA

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P4868 **SAS No.:** P4868

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

METAL PREPARATION & ANALYICAL SUMMARY

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Method:**

Case No.: P4868 **SAS No.:** P4868

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165011**						
P4868-01	RW5-SP100-20241114	SAM	WATER	11/15/2024	50.0	25.0	
P4868-03	RW5-SP303-20241114	SAM	WATER	11/15/2024	50.0	25.0	
P4868-03DUP	RW5-SP303-20241114DUP	DUP	WATER	11/15/2024	50.0	25.0	
P4868-03MS	RW5-SP303-20241114MS	MS	WATER	11/15/2024	50.0	25.0	
P4868-03MSD	RW5-SP303-20241114MSD	MSD	WATER	11/15/2024	50.0	25.0	
PB165011BL	PB165011BL	MB	WATER	11/15/2024	50.0	25.0	
PB165011BS	PB165011BS	LCS	WATER	11/15/2024	50.0	25.0	

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P4868

Contract: TETR06 **Lab Code:** CHEM **Method:**

Case No.: P4868 **SAS No.:** P4868

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165066**						
P4867-04DUP	TT-072-IDWGW-20241113DUP	DUP	WATER	11/18/2024	30.0	30.0	
P4867-04MS	TT-072-IDWGW-20241113MS	MS	WATER	11/18/2024	30.0	30.0	
P4867-04MSD	TT-072-IDWGW-20241113MSD	MSD	WATER	11/18/2024	30.0	30.0	
P4868-01	RW5-SP100-20241114	SAM	WATER	11/18/2024	30.0	30.0	
P4868-03	RW5-SP303-20241114	SAM	WATER	11/18/2024	30.0	30.0	
PB165066BL	PB165066BL	MB	WATER	11/18/2024	30.0	30.0	
PB165066BS	PB165066BS	LCS	WATER	11/18/2024	30.0	30.0	

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: CHEM **Case no.:** P4868 **Sas no.:** P4868 **Sdg no.:** P4868

Instrument id number: **Method:** **Run number:** LB133490

Start date: 11/18/2024 **End date:** 11/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1323	HG
S0.2	S0.2	1	1325	HG
S2.5	S2.5	1	1328	HG
S5	S5	1	1330	HG
S7.5	S7.5	1	1332	HG
S10	S10	1	1343	HG
ICV89	ICV89	1	1346	HG
ICB89	ICB89	1	1348	HG
CCV01	CCV01	1	1353	HG
CCB01	CCB01	1	1358	HG
CRA	CRA	1	1400	HG
CCV02	CCV02	1	1426	HG
CCB02	CCB02	1	1428	HG
PB165066BL	PB165066BL	1	1443	HG
PB165066BS	PB165066BS	1	1445	HG
P4867-04DUP	TT-072-IDWGW-20241113DUP	1	1454	HG
P4867-04MS	TT-072-IDWGW-20241113MS	1	1457	HG
CCV03	CCV03	1	1459	HG
CCB03	CCB03	1	1501	HG
P4867-04MSD	TT-072-IDWGW-20241113MSD	1	1503	HG
P4868-01	RW5-SP100-20241114	1	1506	HG
P4868-03	RW5-SP303-20241114	1	1508	HG
P4867-04L	TT-072-IDWGW-20241113L	5	1517	HG
CCV04	CCV04	1	1522	HG
CCB04	CCB04	1	1524	HG

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: CHEM **Case no.:** P4868 **Sas no.:** P4868 **Sdg no.:** P4868

Instrument id number: **Method:** **Run number:** LB133502

Start date: 11/18/2024 **End date:** 11/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1231	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	1236	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	1240	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	1244	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	1249	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	1253	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	1257	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	1311	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	1315	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	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1342	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	1352	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	1402	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	1431	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	1435	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1535	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	1539	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4868-01	RW5-SP100-20241114	1	1608	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4868-03	RW5-SP303-20241114	1	1612	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4868-03DUP	RW5-SP303-20241114DUP	1	1616	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4868-03MSD	RW5-SP303-20241114MSD	1	1621	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	1625	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	1629	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4868-03L	RW5-SP303-20241114L	5	1641	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4868-03MS	RW5-SP303-20241114MS	1	1646	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	1701	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	1706	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1804	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1808	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1854	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1858	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: CHEM **Case no.:** P4868 **Sas no.:** P4868 **Sdg no.:** P4868

Instrument id number: **Method:** **Run number:** LB133540

Start date: 11/20/2024 **End date:** 11/20/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1217	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	1222	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	1226	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	1230	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	1235	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	1239	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	1250	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	1259	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	1309	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	1313	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	1317	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	1328	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	1335	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	1346	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	1450	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	1500	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165011BL	PB165011BL	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165011BS	PB165011BS	1	1644	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1648	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	1652	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn