



LAB CHRONICLE

OrderID:	P5316	OrderDate:	12/17/2024 3:44:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5316-01	TT-304-IDWSO-20241 217-1	SOIL			12/17/24			12/17/24
			Mercury	7471B		12/20/24	12/20/24	
			Metals ICP-Group1	6010D		12/20/24	12/20/24	

Hit Summary Sheet SW-846

SDG No.: P5316

Order ID: P5316

Client: Tetra Tech NUS, Inc.

Project ID: CTO WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TT-304-IDWSO-20241217-1									
P5316-01	TT-304-IDWSO-20241217-1	SOIL	Arsenic	1.62		0.38	1.04	1.30	mg/Kg
P5316-01	TT-304-IDWSO-20241217-1	SOIL	Barium	8.67		0.83	1.63	6.51	mg/Kg
P5316-01	TT-304-IDWSO-20241217-1	SOIL	Beryllium	0.11	J	0.016	0.098	0.39	mg/Kg
P5316-01	TT-304-IDWSO-20241217-1	SOIL	Chromium	2.82		0.070	0.16	0.65	mg/Kg
P5316-01	TT-304-IDWSO-20241217-1	SOIL	Copper	5.10		0.61	1.04	1.30	mg/Kg
P5316-01	TT-304-IDWSO-20241217-1	SOIL	Lead	2.58		0.20	0.63	0.78	mg/Kg
P5316-01	TT-304-IDWSO-20241217-1	SOIL	Manganese	41.7		0.092	0.33	1.30	mg/Kg
P5316-01	TT-304-IDWSO-20241217-1	SOIL	Nickel	2.36	J	0.12	0.65	2.60	mg/Kg
P5316-01	TT-304-IDWSO-20241217-1	SOIL	Zinc	7.94		0.14	0.65	2.60	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-1	SDG No.:	P5316
Lab Sample ID:	P5316-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	68.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	1.62	N	1	0.38	1.04	1.30	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7440-39-3	Barium	8.67		1	0.83	1.63	6.51	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7440-41-7	Beryllium	0.11	JN	1	0.016	0.098	0.39	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7440-43-9	Cadmium	0.098	U	1	0.021	0.098	0.39	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7440-47-3	Chromium	2.82	N	1	0.070	0.16	0.65	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7440-50-8	Copper	5.10	N	1	0.61	1.04	1.30	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7439-92-1	Lead	2.58		1	0.20	0.63	0.78	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7439-96-5	Manganese	41.7		1	0.092	0.33	1.30	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7439-97-6	Mercury	0.014	U	1	0.0080	0.014	0.017	mg/Kg	12/20/24 10:15	12/20/24 14:34	SW7471B	
7440-02-0	Nickel	2.36	J	1	0.12	0.65	2.60	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7782-49-2	Selenium	1.04	UN	1	0.43	1.04	1.30	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7440-22-4	Silver	0.33	UN	1	0.068	0.33	0.65	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050
7440-66-6	Zinc	7.94		1	0.14	0.65	2.60	mg/Kg	12/20/24 10:45	12/20/24 17:04	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group1			

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



INITIAL AND CONTINUING CALIBRATION VERIFICATION

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV28	Mercury	4.01	4.0	100	90 - 110	CV	12/20/2024	14:13	LB134050

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
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
CCV57	Mercury	5.05	5.0	101	90 - 110	CV	12/20/2024	14:17	LB134050
CCV58	Mercury	4.92	5.0	98	90 - 110	CV	12/20/2024	14:43	LB134050
CCV59	Mercury	4.90	5.0	98	90 - 110	CV	12/20/2024	15:01	LB134050

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
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	Arsenic	1020	1000	102	90 - 110	P	12/20/2024	16:07	LB134054
	Barium	471	520	91	90 - 110	P	12/20/2024	16:07	LB134054
	Beryllium	486	510	95	90 - 110	P	12/20/2024	16:07	LB134054
	Cadmium	502	510	98	90 - 110	P	12/20/2024	16:07	LB134054
	Chromium	534	520	103	90 - 110	P	12/20/2024	16:07	LB134054
	Copper	522	510	102	90 - 110	P	12/20/2024	16:07	LB134054
	Lead	1000	1000	100	90 - 110	P	12/20/2024	16:07	LB134054
	Manganese	494	520	95	90 - 110	P	12/20/2024	16:07	LB134054
	Nickel	510	530	96	90 - 110	P	12/20/2024	16:07	LB134054
	Selenium	1020	1000	102	90 - 110	P	12/20/2024	16:07	LB134054
	Silver	251	250	100	90 - 110	P	12/20/2024	16:07	LB134054
	Zinc	1010	1000	101	90 - 110	P	12/20/2024	16:07	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
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	Arsenic	19.0	20.0	95	80 - 120	P	12/20/2024	16:11	LB134054
	Barium	87.9	100	88	80 - 120	P	12/20/2024	16:11	LB134054
	Beryllium	5.75	6.0	96	80 - 120	P	12/20/2024	16:11	LB134054
	Cadmium	5.80	6.0	97	80 - 120	P	12/20/2024	16:11	LB134054
	Chromium	9.98	10.0	100	80 - 120	P	12/20/2024	16:11	LB134054
	Copper	21.8	20.0	109	80 - 120	P	12/20/2024	16:11	LB134054
	Lead	12.1	12.0	101	80 - 120	P	12/20/2024	16:11	LB134054
	Manganese	19.3	20.0	97	80 - 120	P	12/20/2024	16:11	LB134054
	Nickel	38.9	40.0	97	80 - 120	P	12/20/2024	16:11	LB134054
	Selenium	19.7	20.0	98	80 - 120	P	12/20/2024	16:11	LB134054
	Silver	10.3	10.0	103	80 - 120	P	12/20/2024	16:11	LB134054
	Zinc	38.9	40.0	97	80 - 120	P	12/20/2024	16:11	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: P5316
Contract: TETR06 Lab Code: CHEM Case No.: P5316 SAS No.: P5316
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	Arsenic	4800	5000	96	90 - 110	P	12/20/2024	16:47	LB134054
	Barium	9130	10000	91	90 - 110	P	12/20/2024	16:47	LB134054
	Beryllium	237	250	95	90 - 110	P	12/20/2024	16:47	LB134054
	Cadmium	2420	2500	97	90 - 110	P	12/20/2024	16:47	LB134054
	Chromium	1000	1000	100	90 - 110	P	12/20/2024	16:47	LB134054
	Copper	1220	1250	97	90 - 110	P	12/20/2024	16:47	LB134054
	Lead	4830	5000	96	90 - 110	P	12/20/2024	16:47	LB134054
	Manganese	2410	2500	96	90 - 110	P	12/20/2024	16:47	LB134054
	Nickel	2410	2500	96	90 - 110	P	12/20/2024	16:47	LB134054
	Selenium	4790	5000	96	90 - 110	P	12/20/2024	16:47	LB134054
	Silver	1220	1250	98	90 - 110	P	12/20/2024	16:47	LB134054
	Zinc	2440	2500	98	90 - 110	P	12/20/2024	16:47	LB134054
CCV02	Arsenic	5010	5000	100	90 - 110	P	12/20/2024	17:29	LB134054
	Barium	9240	10000	92	90 - 110	P	12/20/2024	17:29	LB134054
	Beryllium	242	250	97	90 - 110	P	12/20/2024	17:29	LB134054
	Cadmium	2490	2500	100	90 - 110	P	12/20/2024	17:29	LB134054
	Chromium	1020	1000	102	90 - 110	P	12/20/2024	17:29	LB134054
	Copper	1260	1250	101	90 - 110	P	12/20/2024	17:29	LB134054
	Lead	4970	5000	99	90 - 110	P	12/20/2024	17:29	LB134054
	Manganese	2460	2500	99	90 - 110	P	12/20/2024	17:29	LB134054
	Nickel	2480	2500	99	90 - 110	P	12/20/2024	17:29	LB134054
	Selenium	5020	5000	100	90 - 110	P	12/20/2024	17:29	LB134054
	Silver	1250	1250	100	90 - 110	P	12/20/2024	17:29	LB134054
	Zinc	2500	2500	100	90 - 110	P	12/20/2024	17:29	LB134054
CCV03	Arsenic	4960	5000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Barium	9430	10000	94	90 - 110	P	12/20/2024	18:12	LB134054
	Beryllium	244	250	98	90 - 110	P	12/20/2024	18:12	LB134054
	Cadmium	2480	2500	99	90 - 110	P	12/20/2024	18:12	LB134054
	Chromium	1020	1000	102	90 - 110	P	12/20/2024	18:12	LB134054
	Copper	1250	1250	100	90 - 110	P	12/20/2024	18:12	LB134054
	Lead	4950	5000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Manganese	2480	2500	99	90 - 110	P	12/20/2024	18:12	LB134054
	Nickel	2480	2500	99	90 - 110	P	12/20/2024	18:12	LB134054
	Selenium	4960	5000	99	90 - 110	P	12/20/2024	18:12	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: P5316
 Contract: TETR06 Lab Code: CHEM Case No.: P5316 SAS No.: P5316
 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
CCV03	Silver	1250	1250	100	90 - 110	P	12/20/2024	18:12	LB134054
	Zinc	2500	2500	100	90 - 110	P	12/20/2024	18:12	LB134054
CCV04	Arsenic	4910	5000	98	90 - 110	P	12/20/2024	19:02	LB134054
	Barium	9150	10000	92	90 - 110	P	12/20/2024	19:02	LB134054
	Beryllium	240	250	96	90 - 110	P	12/20/2024	19:02	LB134054
	Cadmium	2440	2500	98	90 - 110	P	12/20/2024	19:02	LB134054
	Chromium	1010	1000	101	90 - 110	P	12/20/2024	19:02	LB134054
	Copper	1240	1250	99	90 - 110	P	12/20/2024	19:02	LB134054
	Lead	4890	5000	98	90 - 110	P	12/20/2024	19:02	LB134054
	Manganese	2450	2500	98	90 - 110	P	12/20/2024	19:02	LB134054
	Nickel	2440	2500	98	90 - 110	P	12/20/2024	19:02	LB134054
	Selenium	4920	5000	98	90 - 110	P	12/20/2024	19:02	LB134054
CCV05	Silver	1240	1250	99	90 - 110	P	12/20/2024	19:02	LB134054
	Zinc	2470	2500	99	90 - 110	P	12/20/2024	19:02	LB134054
	Arsenic	5060	5000	101	90 - 110	P	12/20/2024	19:57	LB134054
	Barium	9370	10000	94	90 - 110	P	12/20/2024	19:57	LB134054
	Beryllium	242	250	97	90 - 110	P	12/20/2024	19:57	LB134054
	Cadmium	2510	2500	100	90 - 110	P	12/20/2024	19:57	LB134054
	Chromium	1030	1000	103	90 - 110	P	12/20/2024	19:57	LB134054
	Copper	1270	1250	102	90 - 110	P	12/20/2024	19:57	LB134054
	Lead	5020	5000	100	90 - 110	P	12/20/2024	19:57	LB134054
	Manganese	2490	2500	99	90 - 110	P	12/20/2024	19:57	LB134054
CCV06	Nickel	2510	2500	100	90 - 110	P	12/20/2024	19:57	LB134054
	Selenium	5070	5000	102	90 - 110	P	12/20/2024	19:57	LB134054
	Silver	1260	1250	101	90 - 110	P	12/20/2024	19:57	LB134054
	Zinc	2520	2500	101	90 - 110	P	12/20/2024	19:57	LB134054
	Arsenic	4830	5000	96	90 - 110	P	12/20/2024	20:47	LB134054
	Barium	9020	10000	90	90 - 110	P	12/20/2024	20:47	LB134054
	Beryllium	237	250	95	90 - 110	P	12/20/2024	20:47	LB134054
	Cadmium	2410	2500	96	90 - 110	P	12/20/2024	20:47	LB134054
	Chromium	995	1000	100	90 - 110	P	12/20/2024	20:47	LB134054
	Copper	1220	1250	98	90 - 110	P	12/20/2024	20:47	LB134054
	Lead	4800	5000	96	90 - 110	P	12/20/2024	20:47	LB134054
	Manganese	2420	2500	97	90 - 110	P	12/20/2024	20:47	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: P5316
 Contract: TETR06 Lab Code: CHEM Case No.: P5316 SAS No.: P5316
 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
CCV06	Nickel	2400	2500	96	90 - 110	P	12/20/2024	20:47	LB134054
	Selenium	4830	5000	97	90 - 110	P	12/20/2024	20:47	LB134054
	Silver	1210	1250	97	90 - 110	P	12/20/2024	20:47	LB134054
	Zinc	2420	2500	97	90 - 110	P	12/20/2024	20:47	LB134054
CCV07	Arsenic	4880	5000	98	90 - 110	P	12/20/2024	21:37	LB134054
	Barium	9110	10000	91	90 - 110	P	12/20/2024	21:37	LB134054
	Beryllium	242	250	97	90 - 110	P	12/20/2024	21:37	LB134054
	Cadmium	2430	2500	97	90 - 110	P	12/20/2024	21:37	LB134054
	Chromium	1010	1000	101	90 - 110	P	12/20/2024	21:37	LB134054
	Copper	1230	1250	99	90 - 110	P	12/20/2024	21:37	LB134054
	Lead	4860	5000	97	90 - 110	P	12/20/2024	21:37	LB134054
	Manganese	2460	2500	98	90 - 110	P	12/20/2024	21:37	LB134054
	Nickel	2430	2500	97	90 - 110	P	12/20/2024	21:37	LB134054
	Selenium	4890	5000	98	90 - 110	P	12/20/2024	21:37	LB134054
	Silver	1230	1250	99	90 - 110	P	12/20/2024	21:37	LB134054
	Zinc	2460	2500	98	90 - 110	P	12/20/2024	21:37	LB134054
	Arsenic	5020	5000	100	90 - 110	P	12/20/2024	23:01	LB134054
	Barium	9290	10000	93	90 - 110	P	12/20/2024	23:01	LB134054
CCV08	Beryllium	238	250	95	90 - 110	P	12/20/2024	23:01	LB134054
	Cadmium	2480	2500	99	90 - 110	P	12/20/2024	23:01	LB134054
	Chromium	1020	1000	102	90 - 110	P	12/20/2024	23:01	LB134054
	Copper	1260	1250	101	90 - 110	P	12/20/2024	23:01	LB134054
	Lead	4960	5000	99	90 - 110	P	12/20/2024	23:01	LB134054
	Manganese	2450	2500	98	90 - 110	P	12/20/2024	23:01	LB134054
	Nickel	2480	2500	99	90 - 110	P	12/20/2024	23:01	LB134054
	Selenium	5050	5000	101	90 - 110	P	12/20/2024	23:01	LB134054
	Silver	1250	1250	100	90 - 110	P	12/20/2024	23:01	LB134054
	Zinc	2480	2500	99	90 - 110	P	12/20/2024	23:01	LB134054
	Arsenic	4940	5000	99	90 - 110	P	12/20/2024	23:55	LB134054
	Barium	9220	10000	92	90 - 110	P	12/20/2024	23:55	LB134054
	Beryllium	239	250	96	90 - 110	P	12/20/2024	23:55	LB134054
	Cadmium	2450	2500	98	90 - 110	P	12/20/2024	23:55	LB134054
CCV09	Chromium	1020	1000	102	90 - 110	P	12/20/2024	23:55	LB134054
	Copper	1250	1250	100	90 - 110	P	12/20/2024	23:55	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
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
CCV09	Lead	4900	5000	98	90 - 110	P	12/20/2024	23:55	LB134054
	Manganese	2460	2500	98	90 - 110	P	12/20/2024	23:55	LB134054
	Nickel	2450	2500	98	90 - 110	P	12/20/2024	23:55	LB134054
	Selenium	4950	5000	99	90 - 110	P	12/20/2024	23:55	LB134054
	Silver	1240	1250	99	90 - 110	P	12/20/2024	23:55	LB134054
	Zinc	2460	2500	98	90 - 110	P	12/20/2024	23:55	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
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	Arsenic	1050	1000	105	90 - 110	P	12/23/2024	11:17	LB134066
	Barium	484	520	93	90 - 110	P	12/23/2024	11:17	LB134066
	Beryllium	472	510	93	90 - 110	P	12/23/2024	11:17	LB134066
	Cadmium	508	510	100	90 - 110	P	12/23/2024	11:17	LB134066
	Chromium	532	520	102	90 - 110	P	12/23/2024	11:17	LB134066
	Copper	530	510	104	90 - 110	P	12/23/2024	11:17	LB134066
	Lead	1020	1000	102	90 - 110	P	12/23/2024	11:17	LB134066
	Manganese	490	520	94	90 - 110	P	12/23/2024	11:17	LB134066
	Nickel	519	530	98	90 - 110	P	12/23/2024	11:17	LB134066
	Selenium	1050	1000	105	90 - 110	P	12/23/2024	11:17	LB134066
	Silver	260	250	104	90 - 110	P	12/23/2024	11:17	LB134066
	Zinc	1030	1000	103	90 - 110	P	12/23/2024	11:17	LB134066

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
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	Arsenic	20.6	20.0	103	80 - 120	P	12/23/2024	11:37	LB134066
	Barium	90.4	100	90	80 - 120	P	12/23/2024	11:37	LB134066
	Beryllium	5.75	6.0	96	80 - 120	P	12/23/2024	11:37	LB134066
	Cadmium	5.89	6.0	98	80 - 120	P	12/23/2024	11:37	LB134066
	Chromium	9.87	10.0	99	80 - 120	P	12/23/2024	11:37	LB134066
	Copper	21.8	20.0	109	80 - 120	P	12/23/2024	11:37	LB134066
	Lead	12.0	12.0	100	80 - 120	P	12/23/2024	11:37	LB134066
	Manganese	19.5	20.0	98	80 - 120	P	12/23/2024	11:37	LB134066
	Nickel	39.3	40.0	98	80 - 120	P	12/23/2024	11:37	LB134066
	Selenium	19.0	20.0	95	80 - 120	P	12/23/2024	11:37	LB134066
	Silver	10.8	10.0	108	80 - 120	P	12/23/2024	11:37	LB134066
	Zinc	45.7	40.0	114	80 - 120	P	12/23/2024	11:37	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: P5316
Contract: TETR06 Lab Code: CHEM Case No.: P5316 SAS No.: P5316
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	Arsenic	5110	5000	102	90 - 110	P	12/23/2024	12:31	LB134066
	Barium	9710	10000	97	90 - 110	P	12/23/2024	12:31	LB134066
	Beryllium	232	250	93	90 - 110	P	12/23/2024	12:31	LB134066
	Cadmium	2450	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
	Chromium	998	1000	100	90 - 110	P	12/23/2024	12:31	LB134066
	Copper	1280	1250	102	90 - 110	P	12/23/2024	12:31	LB134066
	Lead	4890	5000	98	90 - 110	P	12/23/2024	12:31	LB134066
	Manganese	2380	2500	95	90 - 110	P	12/23/2024	12:31	LB134066
	Nickel	2470	2500	99	90 - 110	P	12/23/2024	12:31	LB134066
	Selenium	5190	5000	104	90 - 110	P	12/23/2024	12:31	LB134066
	Silver	1250	1250	100	90 - 110	P	12/23/2024	12:31	LB134066
	Zinc	2450	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
CCV02	Arsenic	5360	5000	107	90 - 110	P	12/23/2024	13:43	LB134066
	Barium	10100	10000	101	90 - 110	P	12/23/2024	13:43	LB134066
	Beryllium	230	250	92	90 - 110	P	12/23/2024	13:43	LB134066
	Cadmium	2500	2500	100	90 - 110	P	12/23/2024	13:43	LB134066
	Chromium	1000	1000	100	90 - 110	P	12/23/2024	13:43	LB134066
	Copper	1340	1250	107	90 - 110	P	12/23/2024	13:43	LB134066
	Lead	4990	5000	100	90 - 110	P	12/23/2024	13:43	LB134066
	Manganese	2410	2500	96	90 - 110	P	12/23/2024	13:43	LB134066
	Nickel	2530	2500	101	90 - 110	P	12/23/2024	13:43	LB134066
	Selenium	5480	5000	110	90 - 110	P	12/23/2024	13:43	LB134066
	Silver	1270	1250	102	90 - 110	P	12/23/2024	13:43	LB134066
	Zinc	2450	2500	98	90 - 110	P	12/23/2024	13:43	LB134066
CCV03	Arsenic	5340	5000	107	90 - 110	P	12/23/2024	14:07	LB134066
	Barium	10200	10000	102	90 - 110	P	12/23/2024	14:07	LB134066
	Beryllium	230	250	92	90 - 110	P	12/23/2024	14:07	LB134066
	Cadmium	2470	2500	99	90 - 110	P	12/23/2024	14:07	LB134066
	Chromium	1000	1000	100	90 - 110	P	12/23/2024	14:07	LB134066
	Copper	1340	1250	107	90 - 110	P	12/23/2024	14:07	LB134066
	Lead	4940	5000	99	90 - 110	P	12/23/2024	14:07	LB134066
	Manganese	2400	2500	96	90 - 110	P	12/23/2024	14:07	LB134066
	Nickel	2510	2500	100	90 - 110	P	12/23/2024	14:07	LB134066
	Selenium	5480	5000	110	90 - 110	P	12/23/2024	14:07	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316

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
CCV03	Silver	1270	1250	102	90 - 110	P	12/23/2024	14:07	LB134066
	Zinc	2450	2500	98	90 - 110	P	12/23/2024	14:07	LB134066
CCV04	Arsenic	5210	5000	104	90 - 110	P	12/23/2024	15:06	LB134066
	Barium	9720	10000	97	90 - 110	P	12/23/2024	15:06	LB134066
	Beryllium	226	250	90	90 - 110	P	12/23/2024	15:06	LB134066
	Cadmium	2450	2500	98	90 - 110	P	12/23/2024	15:06	LB134066
	Chromium	998	1000	100	90 - 110	P	12/23/2024	15:06	LB134066
	Copper	1300	1250	104	90 - 110	P	12/23/2024	15:06	LB134066
	Lead	4870	5000	97	90 - 110	P	12/23/2024	15:06	LB134066
	Manganese	2330	2500	93	90 - 110	P	12/23/2024	15:06	LB134066
	Nickel	2480	2500	99	90 - 110	P	12/23/2024	15:06	LB134066
	Selenium	5340	5000	107	90 - 110	P	12/23/2024	15:06	LB134066
CCV05	Silver	1250	1250	100	90 - 110	P	12/23/2024	15:06	LB134066
	Zinc	2350	2500	94	90 - 110	P	12/23/2024	15:06	LB134066
	Arsenic	5380	5000	108	90 - 110	P	12/23/2024	16:06	LB134066
	Barium	9910	10000	99	90 - 110	P	12/23/2024	16:06	LB134066
	Beryllium	227	250	91	90 - 110	P	12/23/2024	16:06	LB134066
	Cadmium	2470	2500	99	90 - 110	P	12/23/2024	16:06	LB134066
	Chromium	1010	1000	101	90 - 110	P	12/23/2024	16:06	LB134066
	Copper	1340	1250	108	90 - 110	P	12/23/2024	16:06	LB134066
	Lead	4920	5000	98	90 - 110	P	12/23/2024	16:06	LB134066
	Manganese	2360	2500	94	90 - 110	P	12/23/2024	16:06	LB134066
CCV06	Nickel	2510	2500	100	90 - 110	P	12/23/2024	16:06	LB134066
	Selenium	5500	5000	110	90 - 110	P	12/23/2024	16:06	LB134066
	Silver	1270	1250	102	90 - 110	P	12/23/2024	16:06	LB134066
	Zinc	2350	2500	94	90 - 110	P	12/23/2024	16:06	LB134066
	Arsenic	5350	5000	107	90 - 110	P	12/23/2024	16:54	LB134066
	Barium	10100	10000	101	90 - 110	P	12/23/2024	16:54	LB134066
	Beryllium	243	250	97	90 - 110	P	12/23/2024	16:54	LB134066
	Cadmium	2540	2500	102	90 - 110	P	12/23/2024	16:54	LB134066
	Chromium	1040	1000	104	90 - 110	P	12/23/2024	16:54	LB134066
	Copper	1350	1250	108	90 - 110	P	12/23/2024	16:54	LB134066
	Lead	5030	5000	100	90 - 110	P	12/23/2024	16:54	LB134066
	Manganese	2430	2500	97	90 - 110	P	12/23/2024	16:54	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
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
CCV06	Nickel	2560	2500	102	90 - 110	P	12/23/2024	16:54	LB134066
	Selenium	5460	5000	109	90 - 110	P	12/23/2024	16:54	LB134066
	Silver	1280	1250	103	90 - 110	P	12/23/2024	16:54	LB134066
	Zinc	2340	2500	94	90 - 110	P	12/23/2024	16:54	LB134066



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Fax : 908 789 8922

Metals

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CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	97	40 - 160	CV	12/20/2024	14:22	LB134050
CRI01	Arsenic	21.1	20.0	106	40 - 160	P	12/20/2024	16:26	LB134054
	Barium	87.8	100	88	40 - 160	P	12/20/2024	16:26	LB134054
	Beryllium	5.71	6.0	95	40 - 160	P	12/20/2024	16:26	LB134054
	Cadmium	5.88	6.0	98	40 - 160	P	12/20/2024	16:26	LB134054
	Chromium	10.2	10.0	102	40 - 160	P	12/20/2024	16:26	LB134054
	Copper	21.8	20.0	109	40 - 160	P	12/20/2024	16:26	LB134054
	Lead	11.1	12.0	93	40 - 160	P	12/20/2024	16:26	LB134054
	Manganese	18.9	20.0	95	40 - 160	P	12/20/2024	16:26	LB134054
	Nickel	39.0	40.0	98	40 - 160	P	12/20/2024	16:26	LB134054
	Selenium	18.3	20.0	92	40 - 160	P	12/20/2024	16:26	LB134054
	Silver	10.3	10.0	103	40 - 160	P	12/20/2024	16:26	LB134054
	Zinc	38.8	40.0	97	40 - 160	P	12/20/2024	16:26	LB134054
CRI01	Arsenic	19.2	20.0	96	40 - 160	P	12/23/2024	11:51	LB134066
	Barium	92.0	100	92	40 - 160	P	12/23/2024	11:51	LB134066
	Beryllium	5.71	6.0	95	40 - 160	P	12/23/2024	11:51	LB134066
	Cadmium	5.81	6.0	97	40 - 160	P	12/23/2024	11:51	LB134066
	Chromium	9.74	10.0	97	40 - 160	P	12/23/2024	11:51	LB134066
	Copper	21.9	20.0	110	40 - 160	P	12/23/2024	11:51	LB134066
	Lead	11.0	12.0	92	40 - 160	P	12/23/2024	11:51	LB134066
	Manganese	19.6	20.0	98	40 - 160	P	12/23/2024	11:51	LB134066
	Nickel	39.3	40.0	98	40 - 160	P	12/23/2024	11:51	LB134066
	Selenium	17.1	20.0	86	40 - 160	P	12/23/2024	11:51	LB134066
	Silver	11.0	10.0	110	40 - 160	P	12/23/2024	11:51	LB134066
	Zinc	41.4	40.0	104	40 - 160	P	12/23/2024	11:51	LB134066



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

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

Tetra Tech NUS, Inc.

SDG No.:

P5316

Contract:

TETR06

Lab Code:

CHEM

Case No.:

P5316

SAS No.:

P5316

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB28	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/20/2024	14:15	LB134050

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB57	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/20/2024	14:20	LB134050
CCB58	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/20/2024	14:45	LB134050
CCB59	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/20/2024	15:03	LB134050

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	16:21	LB134054
	Barium	100	+/-100	U	25.0	100	P	12/20/2024	16:21	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	16:21	LB134054
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	16:21	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	16:21	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	16:21	LB134054
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/20/2024	16:21	LB134054
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/20/2024	16:21	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	16:21	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	16:21	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	16:21	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	16:21	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.		SDG No.: P5316								
Contract: TETR06	Lab Code: CHEM	Case No.: P5316	SAS No.: P5316							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	16:51	LB134054
	Barium	14.0	+/-100	J	25.0	100	P	12/20/2024	16:51	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	16:51	LB134054
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	16:51	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	16:51	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	16:51	LB134054
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/20/2024	16:51	LB134054
	Manganese	5.60	+/-20.0	J	5.00	20.0	P	12/20/2024	16:51	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	16:51	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	16:51	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	16:51	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	16:51	LB134054
CCB02	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	17:34	LB134054
	Barium	100	+/-100	U	25.0	100	P	12/20/2024	17:34	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	17:34	LB134054
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	17:34	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	17:34	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	17:34	LB134054
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/20/2024	17:34	LB134054
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/20/2024	17:34	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	17:34	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	17:34	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	17:34	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	17:34	LB134054
CCB03	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	18:16	LB134054
	Barium	100	+/-100	U	25.0	100	P	12/20/2024	18:16	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	18:16	LB134054
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	18:16	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	18:16	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	18:16	LB134054
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/20/2024	18:16	LB134054
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/20/2024	18:16	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	18:16	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	18:16	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	18:16	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	18:16	LB134054
CCB04	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	19:11	LB134054
	Barium	100	+/-100	U	25.0	100	P	12/20/2024	19:11	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	19:11	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.		SDG No.: P5316								
Contract: TETR06	Lab Code: CHEM	Case No.: P5316	SAS No.: P5316							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	19:11	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	19:11	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	19:11	LB134054
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/20/2024	19:11	LB134054
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/20/2024	19:11	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	19:11	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	19:11	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	19:11	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	19:11	LB134054
CCB05	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	20:01	LB134054
	Barium	100	+/-100	U	25.0	100	P	12/20/2024	20:01	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	20:01	LB134054
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	20:01	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	20:01	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	20:01	LB134054
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/20/2024	20:01	LB134054
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/20/2024	20:01	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	20:01	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	20:01	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	20:01	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	20:01	LB134054
CCB06	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	20:51	LB134054
	Barium	100	+/-100	U	25.0	100	P	12/20/2024	20:51	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	20:51	LB134054
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	20:51	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	20:51	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	20:51	LB134054
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/20/2024	20:51	LB134054
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/20/2024	20:51	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	20:51	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	20:51	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	20:51	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	20:51	LB134054
CCB07	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	22:04	LB134054
	Barium	100	+/-100	U	25.0	100	P	12/20/2024	22:04	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	22:04	LB134054
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	22:04	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	22:04	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	22:04	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.		SDG No.: P5316								
Contract:	TETR06	Lab Code:	CHEM	Case No.:	P5316	SAS No.:	P5316			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/20/2024	22:04	LB134054
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/20/2024	22:04	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	22:04	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	22:04	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	22:04	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	22:04	LB134054
CCB08	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	23:12	LB134054
	Barium	100	+/-100	U	25.0	100	P	12/20/2024	23:12	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	23:12	LB134054
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/20/2024	23:12	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	23:12	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	23:12	LB134054
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/20/2024	23:12	LB134054
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/20/2024	23:12	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	23:12	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/20/2024	23:12	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/20/2024	23:12	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/20/2024	23:12	LB134054
CCB09	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/21/2024	00:05	LB134054
	Barium	100	+/-100	U	25.0	100	P	12/21/2024	00:05	LB134054
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/21/2024	00:05	LB134054
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/21/2024	00:05	LB134054
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/21/2024	00:05	LB134054
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/21/2024	00:05	LB134054
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/21/2024	00:05	LB134054
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/21/2024	00:05	LB134054
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/21/2024	00:05	LB134054
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/21/2024	00:05	LB134054
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/21/2024	00:05	LB134054
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/21/2024	00:05	LB134054

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	11:44	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	11:44	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	11:44	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	11:44	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	11:44	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	11:44	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	11:44	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	11:44	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	11:44	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	11:44	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	11:44	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	11:44	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.		SDG No.: P5316								
Contract: TETR06	Lab Code: CHEM	Case No.: P5316			SAS No.: P5316					
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	12:35	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	12:35	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	12:35	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	12:35	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	12:35	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	12:35	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	12:35	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	12:35	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	12:35	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	12:35	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	12:35	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	12:35	LB134066
CCB02	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	13:47	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	13:47	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	13:47	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	13:47	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	13:47	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	13:47	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	13:47	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	13:47	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	13:47	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	13:47	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	13:47	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	13:47	LB134066
CCB03	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	14:11	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	14:11	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	14:11	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	14:11	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	14:11	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	14:11	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	14:11	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	14:11	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	14:11	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	14:11	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	14:11	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	14:11	LB134066
CCB04	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	15:10	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	15:10	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	15:10	LB134066

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	15:10	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	15:10	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	15:10	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	15:10	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	15:10	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	15:10	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	15:10	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	15:10	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	15:10	LB134066
CCB05	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:10	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	16:10	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	16:10	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	16:10	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	16:10	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:10	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	16:10	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	16:10	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	16:10	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:10	LB134066
	Silver	1.18	+/-10.0	J	5.00	10.0	P	12/23/2024	16:10	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	16:10	LB134066
CCB06	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:58	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	16:58	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	16:58	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	16:58	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	16:58	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:58	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	16:58	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	16:58	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	16:58	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:58	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	16:58	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	16:58	LB134066

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: P5316

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165798BL		SOLID		Batch Number:		PB165798		Prep Date:	12/20/2024	
	Mercury	0.013	<0.013	U	0.010	0.013	CV	12/20/2024	14:29	LB134050

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: P5316

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165786BL	SOLID			Batch Number:	PB165786			Prep Date:	12/20/2024	
	Arsenic	0.89	<0.89	U	0.71	0.89	P	12/20/2024	22:46	LB134054
	Barium	4.42	<4.42	U	1.11	4.42	P	12/20/2024	22:46	LB134054
	Beryllium	0.27	<0.27	U	0.066	0.27	P	12/20/2024	22:46	LB134054
	Cadmium	0.27	<0.27	U	0.066	0.27	P	12/20/2024	22:46	LB134054
	Chromium	0.44	<0.44	U	0.11	0.44	P	12/20/2024	22:46	LB134054
	Copper	0.89	<0.89	U	0.71	0.89	P	12/20/2024	22:46	LB134054
	Lead	0.53	<0.53	U	0.43	0.53	P	12/20/2024	22:46	LB134054
	Manganese	0.89	<0.89	U	0.22	0.89	P	12/20/2024	22:46	LB134054
	Nickel	1.77	<1.77	U	0.44	1.77	P	12/20/2024	22:46	LB134054
	Selenium	0.89	<0.89	U	0.71	0.89	P	12/20/2024	22:46	LB134054
	Silver	0.44	<0.44	U	0.22	0.44	P	12/20/2024	22:46	LB134054
	Zinc	1.77	<1.77	U	0.44	1.77	P	12/20/2024	22:46	LB134054

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
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	Arsenic	-1.51			-20	20	12/20/2024	16:30	LB134054
	Barium	2.79	6.0	46	-94	106	12/20/2024	16:30	LB134054
	Beryllium	1.43			-6	6	12/20/2024	16:30	LB134054
	Cadmium	-0.99	1.0	99	-5	7	12/20/2024	16:30	LB134054
	Chromium	60.0	52.0	115	42	62	12/20/2024	16:30	LB134054
	Copper	16.4	2.0	820	-18	22	12/20/2024	16:30	LB134054
	Lead	6.97			-12	12	12/20/2024	16:30	LB134054
	Manganese	4.79	7.0	68	-13	27	12/20/2024	16:30	LB134054
	Nickel	2.13	2.0	106	-38	42	12/20/2024	16:30	LB134054
	Selenium	-16.6			-20	20	12/20/2024	16:30	LB134054
	Silver	-3.17			-10	10	12/20/2024	16:30	LB134054
	Zinc	0.10			-40	40	12/20/2024	16:30	LB134054
ICSAB01	Arsenic	113	104	109	88.4	120	12/20/2024	16:34	LB134054
	Barium	460	537	86	437	637	12/20/2024	16:34	LB134054
	Beryllium	492	495	99	420	570	12/20/2024	16:34	LB134054
	Cadmium	1040	972	107	826	1120	12/20/2024	16:34	LB134054
	Chromium	604	542	111	460	624	12/20/2024	16:34	LB134054
	Copper	520	511	102	434	588	12/20/2024	16:34	LB134054
	Lead	56.2	49.0	115	37	61	12/20/2024	16:34	LB134054
	Manganese	487	507	96	430	584	12/20/2024	16:34	LB134054
	Nickel	1040	954	109	810	1100	12/20/2024	16:34	LB134054
	Selenium	34.2	46.0	74	26	66	12/20/2024	16:34	LB134054
	Silver	201	201	100	170	232	12/20/2024	16:34	LB134054
	Zinc	1080	952	113	809	1095	12/20/2024	16:34	LB134054
ICSA01	Arsenic	-0.83			-20	20	12/23/2024	11:55	LB134066
	Barium	2.71	6.0	45	-94	106	12/23/2024	11:55	LB134066
	Beryllium	1.22			-6	6	12/23/2024	11:55	LB134066
	Cadmium	5.83	1.0	583	-5	7	12/23/2024	11:55	LB134066
	Chromium	58.0	52.0	112	42	62	12/23/2024	11:55	LB134066
	Copper	16.1	2.0	805	-18	22	12/23/2024	11:55	LB134066
	Lead	7.19			-12	12	12/23/2024	11:55	LB134066
	Manganese	4.79	7.0	68	-13	27	12/23/2024	11:55	LB134066
	Nickel	2.98	2.0	149	-38	42	12/23/2024	11:55	LB134066
	Selenium	-12.8			-20	20	12/23/2024	11:55	LB134066
	Silver	3.28			-10	10	12/23/2024	11:55	LB134066
	Zinc	7.82			-40	40	12/23/2024	11:55	LB134066
ICSAB01	Arsenic	116	104	112	88.4	120	12/23/2024	12:06	LB134066
	Barium	486	537	90	437	637	12/23/2024	12:06	LB134066
	Beryllium	477	495	96	420	570	12/23/2024	12:06	LB134066
	Cadmium	1040	972	107	826	1120	12/23/2024	12:06	LB134066
	Chromium	581	542	107	460	624	12/23/2024	12:06	LB134066
	Copper	565	511	111	434	588	12/23/2024	12:06	LB134066

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
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	Lead	55.4	49.0	113	37	61	12/23/2024	12:06	LB134066
	Manganese	478	507	94	430	584	12/23/2024	12:06	LB134066
	Nickel	1040	954	109	810	1100	12/23/2024	12:06	LB134066
	Selenium	37.4	46.0	81	26	66	12/23/2024	12:06	LB134066
	Silver	203	201	101	170	232	12/23/2024	12:06	LB134066
	Zinc	1070	952	112	809	1095	12/23/2024	12:06	LB134066



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	<u>Tetra Tech NUS, Inc.</u>	level:	<u>low</u>	sdg no.:	<u>P5316</u>
contract:	<u>TETR06</u>	lab code:	<u>CHEM</u>	case no.:	<u>P5316</u>
matrix:	<u>Solid</u>	sample id:	<u>P5355-01</u>	client id:	<u>RBR251688MS</u>
Percent Solids for Sample:	81.7	Spiked ID:	P5355-01MS	Percent Solids for Spike Sample:	81.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	82 - 111	40.3		4.65		45.1	79	N	P
Barium	mg/Kg	83 - 113	351		332		11.3	170		P
Beryllium	mg/Kg	83 - 113	7.89		0.99		11.3	61	N	P
Cadmium	mg/Kg	82 - 113	14.6		3.59		11.3	97		P
Chromium	mg/Kg	85 - 113	36.4		19.6		22.6	74	N	P
Copper	mg/Kg	81 - 117	51.2		37.2		16.9	83		P
Lead	mg/Kg	81 - 112	151		95.0		56.4	99		P
Manganese	mg/Kg	84 - 114	2320		2230		11.3	816		P
Nickel	mg/Kg	83 - 113	82.2		52.2		28.2	106		P
Selenium	mg/Kg	78 - 111	81.0		1.08	U	110	74	N	P
Silver	mg/Kg	82 - 112	4.31		0.99		4.2	79	N	P
Zinc	mg/Kg	82 - 113	137		127		11.3	85		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Tetra Tech NUS, Inc.</u>	level:	<u>low</u>	sdg no.:	<u>P5316</u>
contract:	<u>TETR06</u>	lab code:	<u>CHEM</u>	case no.:	<u>P5316</u>
matrix:	<u>Solid</u>	sample id:	<u>P5355-01</u>	client id:	<u>RBR251688MSD</u>
Percent Solids for Sample:	81.7	Spiked ID:	P5355-01MSD	Percent Solids for Spike Sample:	81.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	82 - 111	37.5		4.65		42.6	77	N	P
Barium	mg/Kg	83 - 113	333		332		10.6	8		P
Beryllium	mg/Kg	83 - 113	7.46		0.99		10.6	61	N	P
Cadmium	mg/Kg	82 - 113	13.7		3.59		10.6	95		P
Chromium	mg/Kg	85 - 113	34.3		19.6		21.3	69	N	P
Copper	mg/Kg	81 - 117	47.9		37.2		16.0	67	N	P
Lead	mg/Kg	81 - 112	141		95.0		53.2	87		P
Manganese	mg/Kg	84 - 114	2200		2230		10.6	-321		P
Nickel	mg/Kg	83 - 113	77.0		52.2		26.6	93		P
Selenium	mg/Kg	78 - 111	75.6		1.08	U	110	69	N	P
Silver	mg/Kg	82 - 112	4.06		0.99		4.0	77	N	P
Zinc	mg/Kg	82 - 113	128		127		10.6	5		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Tetra Tech NUS, Inc.</u>	level: <u>low</u>	sdg no.: <u>P5316</u>
contract: <u>TETR06</u>	lab code: <u>CHEM</u>	case no.: <u>P5316</u> sas no.: <u>P5316</u>
matrix: <u>Solid</u>	sample id: <u>P5365-01</u>	client id: <u>TAPFTA-SB01I-4.5-121924-00-T1MS</u>
Percent Solids for Sample: 90.1	Spiked ID: P5365-01MS	Percent Solids for Spike Sample: 90.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.29		0.0080	J	0.29	99		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Tetra Tech NUS, Inc.</u>	level: <u>low</u>	sdg no.: <u>P5316</u>
contract: <u>TETR06</u>	lab code: <u>CHEM</u>	case no.: <u>P5316</u> sas no.: <u>P5316</u>
matrix: <u>Solid</u>	sample id: <u>P5365-01</u>	client id: <u>TAPFTA-SB01I-4.5-121924-00-T1MSD</u>
Percent Solids for Sample: <u>90.1</u>	Spiked ID: <u>P5365-01MSD</u>	Percent Solids for Spike Sample: <u>90.1</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.30		0.0080	J	0.28	106		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316

Matrix: Solid **Level:** LOW **Client ID:** RBR251688A

Sample ID: P5355-01 **Spiked ID:** P5355-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	82 - 111	39.6		4.65		43.1	81		P
Beryllium	mg/Kg	83 - 113	7.82		0.99		10.8	63		P
Chromium	mg/Kg	85 - 113	35.7		19.6		21.6	74		P
Copper	mg/Kg	81 - 117	49.2		37.2		16.2	74		P
Selenium	mg/Kg	78 - 111	80.1		1.08	U	110	73		P
Silver	mg/Kg	82 - 112	4.29		0.99		4.00	82		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
Matrix: Solid **Sample ID:** P5355-01 **Client ID:** RBR251688DUP
Percent Solids for Sample: 81.7 **Duplicate ID** P5355-01DUP **Percent Solids for Spike Sample:** 81.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	mg/Kg	20	4.65		4.32		7		P
Barium	mg/Kg	20	332		308		8		P
Beryllium	mg/Kg	20	0.99		0.94		5		P
Cadmium	mg/Kg	20	3.59		3.46		4		P
Chromium	mg/Kg	20	19.6		18.6		5		P
Copper	mg/Kg	20	37.2		35.0		6		P
Lead	mg/Kg	20	95.0		89.7		6		P
Manganese	mg/Kg	20	2230		2080		7		P
Nickel	mg/Kg	20	52.2		49.5		5		P
Selenium	mg/Kg	20	1.08	U	1.01	U			P
Silver	mg/Kg	20	0.99		1.00		1		P
Zinc	mg/Kg	20	127		117		8		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316
Matrix: Solid **Sample ID:** P5355-01MS **Client ID:** RBR251688MSD
Percent Solids for Sample: 81.7 **Duplicate ID** P5355-01MSD **Percent Solids for Spike Sample:** 81.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	mg/Kg	20	40.3		37.5		7		P
Barium	mg/Kg	20	351		333		5		P
Beryllium	mg/Kg	20	7.89		7.46		6		P
Cadmium	mg/Kg	20	14.6		13.7		6		P
Chromium	mg/Kg	20	36.4		34.3		6		P
Copper	mg/Kg	20	51.2		47.9		7		P
Lead	mg/Kg	20	151		141		7		P
Manganese	mg/Kg	20	2320		2200		5		P
Nickel	mg/Kg	20	82.2		77.0		7		P
Selenium	mg/Kg	20	81.0		75.6		7		P
Silver	mg/Kg	20	4.31		4.06		6		P
Zinc	mg/Kg	20	137		128		7		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>P5316</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P5316</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P5365-01</u>	Client ID:	<u>TAPFTA-SB01I-4.5-121924-00-T1DUP</u>
Percent Solids for Sample:	90.1	Duplicate ID	P5365-01DUP	Percent Solids for Spike Sample:	90.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.0080	J	0.0080	J	0		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>P5316</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P5316</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P5365-01MS</u>	Client ID:	<u>TAPFTA-SB01I-4.5-121924-00-T1MSD</u>
Percent Solids for Sample:	90.1	Duplicate ID	P5365-01MSD	Percent Solids for Spike Sample:	90.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.29		0.30		3		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165786BS							
Arsenic	mg/Kg	35.4	35.9		101	82 - 111	P
Barium	mg/Kg	8.8	7.76		88	83 - 113	P
Beryllium	mg/Kg	8.8	8.43		96	83 - 113	P
Cadmium	mg/Kg	8.8	8.61		98	82 - 113	P
Chromium	mg/Kg	17.7	18.2		103	85 - 113	P
Copper	mg/Kg	13.3	13.7		103	81 - 117	P
Lead	mg/Kg	44.2	43.1		98	81 - 112	P
Manganese	mg/Kg	8.8	8.70		99	84 - 114	P
Nickel	mg/Kg	22.1	21.9		99	83 - 113	P
Selenium	mg/Kg	88.5	88.4		100	78 - 111	P
Silver	mg/Kg	3.3	3.35		102	82 - 112	P
Zinc	mg/Kg	8.8	8.90		101	82 - 113	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** P5316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5316 **SAS No.:** P5316

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165798BS Mercury	mg/Kg	0.25	0.26		106	80 - 124	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

RBR251688L

Lab Name: Chemtech Consulting Group

Contract: TETR06

Lab Code: CHEM Lb No.: lb134066 Lab Sample ID : P5355-01L SDG No.: P5316

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence		Q	M
	C		C					
Arsenic	4.65		5.15	J	11			P
Barium	332		432		30			P
Beryllium	0.99		1.39	J	40			P
Cadmium	3.59		2.45		32			P
Chromium	19.6		27.2		38			P
Copper	37.2		53.8		45			P
Lead	95.0		105		11			P
Manganese	2230		3150		41			P
Nickel	52.2		56.7		9			P
Selenium	1.08	U	5.39	U				P
Silver	0.99		1.78	J	79			P
Zinc	127		170		34			P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

TAPFTA-SB01I-4.5-121924-00-T1L

Lab Name: Chemtech Consulting Group **Contract:** TETR06
Lab Code: CHEM **Lb No.:** lb134050 **Lab Sample ID :** P5365-01L **SDG No.:** P5316
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Differ- ence	Q	M
Mercury	0.0080 J	0.066 U	100.0		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: P5316

Contract: TETR06

Lab Code: CHEM

Case No.: P5316

SAS No.: P5316

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
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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	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
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
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: P5316

Contract: TETR06

Lab Code: CHEM

Case No.: P5316

SAS No.: P5316

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
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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	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
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
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: P5316

Contract: TETR06

Lab Code: CHEM

Case No.: P5316

SAS No.: P5316

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
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
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
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
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
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: P5316

Contract: TETR06

Lab Code: CHEM

Case No.: P5316

SAS No.: P5316

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
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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
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
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
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: P5316

Contract: TETR06

Lab Code: CHEM

Case No.: P5316

SAS No.: P5316

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	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
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
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	SDG No.:	<u>P5316</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P5316</u>
		SAS No.:	<u>P5316</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165786							
P5316-01	TT-304-IDWSO-20241217-1	SAM	SOLID	12/20/2024	2.24	100.0	68.60
P5355-01DUP	RBR251688DUP	DUP	SOLID	12/20/2024	2.43	100.0	81.70
P5355-01MS	RBR251688MS	MS	SOLID	12/20/2024	2.17	100.0	81.70
P5355-01MSD	RBR251688MSD	MSD	SOLID	12/20/2024	2.30	100.0	81.70
PB165786BL	PB165786BL	MB	SOLID	12/20/2024	2.26	100.0	100.00
PB165786BS	PB165786BS	LCS	SOLID	12/20/2024	2.26	100.0	100.00

Metals
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SAMPLE PREPARATION SUMMARY

Client:

Tetra Tech NUS, Inc.

Contract:

TETR06

Lab Code:

CHEM

SDG No.:

P5316

Method:

Case No.:

P5316

SAS No.:

P5316

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165798							
P5316-01	TT-304-IDWSO-20241217-1	SAM	SOLID	12/20/2024	0.59	35.0	68.60
P5365-01DUP	TAPFTA-SB01I-4.5-121924-00-T1DUP	DUP	SOLID	12/20/2024	0.58	35.0	90.10
P5365-01MS	TAPFTA-SB01I-4.5-121924-00-T1MS	MS	SOLID	12/20/2024	0.54	35.0	90.10
P5365-01MSD	TAPFTA-SB01I-4.5-121924-00-T1MSD	MSD	SOLID	12/20/2024	0.56	35.0	90.10
PB165798BL	PB165798BL	MB	SOLID	12/20/2024	0.54	35.0	100.00
PB165798BS	PB165798BS	LCS	SOLID	12/20/2024	0.57	35.0	100.00

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P5316 **Sas no.:** P5316 **Sdg no.:** P5316

Instrument id number: **Method:** **Run number:** LB134050

Start date: 12/20/2024 **End date:** 12/20/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1358	HG
S0.2	S0.2	1	1400	HG
S2.5	S2.5	1	1403	HG
S5	S5	1	1405	HG
S7.5	S7.5	1	1407	HG
S10	S10	1	1410	HG
ICV28	ICV28	1	1413	HG
ICB28	ICB28	1	1415	HG
CCV57	CCV57	1	1417	HG
CCB57	CCB57	1	1420	HG
CRA	CRA	1	1422	HG
PB165798BL	PB165798BL	1	1429	HG
PB165798BS	PB165798BS	1	1431	HG
P5316-01	TT-304-IDWSO-20241217-1	1	1434	HG
CCV58	CCV58	1	1443	HG
CCB58	CCB58	1	1445	HG
P5365-01DUP	TAPFTA-SB01I-4.5-121924-00-'	1	1450	HG
P5365-01MS	TAPFTA-SB01I-4.5-121924-00-'	1	1452	HG
P5365-01MSD	TAPFTA-SB01I-4.5-121924-00-'	1	1454	HG
P5365-01L	TAPFTA-SB01I-4.5-121924-00-'	5	1456	HG
CCV59	CCV59	1	1501	HG
CCB59	CCB59	1	1503	HG

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P5316 **Sas no.:** P5316 **Sdg no.:** P5316

Instrument id number: **Method:** **Run number:** LB134054

Start date: 12/20/2024 **End date:** 12/21/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1541	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S1	S1	1	1546	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S2	S2	1	1550	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S3	S3	1	1554	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S4	S4	1	1558	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S5	S5	1	1603	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
ICV01	ICV01	1	1607	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1611	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
ICB01	ICB01	1	1621	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CRI01	CRI01	1	1626	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1630	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1634	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV01	CCV01	1	1647	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB01	CCB01	1	1651	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
P5316-01	TT-304-IDWSO-20241217-1	1	1704	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV02	CCV02	1	1729	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB02	CCB02	1	1734	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV03	CCV03	1	1812	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB03	CCB03	1	1816	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV04	CCV04	1	1902	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB04	CCB04	1	1911	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV05	CCV05	1	1957	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB05	CCB05	1	2001	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV06	CCV06	1	2047	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB06	CCB06	1	2051	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV07	CCV07	1	2137	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB07	CCB07	1	2204	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
PB165786BL	PB165786BL	1	2246	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV08	CCV08	1	2301	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB08	CCB08	1	2312	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
PB165786BS	PB165786BS	1	2317	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV09	CCV09	1	2355	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB09	CCB09	1	0005	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn

metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P5316 **Sas no.:** P5316 **Sdg no.:** P5316

Instrument id number: **Method:** **Run number:** LB134066

Start date: 12/23/2024 **End date:** 12/23/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1051	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S1	S1	1	1056	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S2	S2	1	1100	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S3	S3	1	1104	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S4	S4	1	1109	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
S5	S5	1	1113	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
ICV01	ICV01	1	1117	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1137	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
ICB01	ICB01	1	1144	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CRI01	CRI01	1	1151	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1155	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1206	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV01	CCV01	1	1231	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB01	CCB01	1	1235	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV02	CCV02	1	1343	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB02	CCB02	1	1347	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV03	CCV03	1	1407	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB03	CCB03	1	1411	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV04	CCV04	1	1506	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB04	CCB04	1	1510	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
P5355-01DUP	RBR251688DUP	1	1522	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
P5355-01L	RBR251688L	5	1527	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
P5355-01MS	RBR251688MS	1	1531	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
P5355-01MSD	RBR251688MSD	1	1536	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
P5355-01A	RBR251688A	1	1540	Ag,As,Be,Cr,Cu,Se
CCV05	CCV05	1	1606	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB05	CCB05	1	1610	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCV06	CCV06	1	1654	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn
CCB06	CCB06	1	1658	Ag,As,Ba,Be,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn