

LAB CHRONICLE

OrderID:	Q2645	OrderDate:	7/18/2025 11:25:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	--Select--,O41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2645-03	RW5B-CARBON-20250 716	TCLP			07/16/25			07/18/25
			TCLP Mercury	7470A		07/21/25	07/22/25	
			TCLPMetals Group1	6010D		07/21/25	07/22/25	



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

Hit Summary Sheet
SW-846

SDG No.:	Q2645	Order ID:	Q2645
Client:	Tetra Tech NUS, Inc.	Project ID:	NWIRP Bethpage 112G08005-WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	RW5B-CARBON-20250716								
Q2645-03	RW5B-CARBON-20250716	TCLP	Barium	647		72.8	125	500	ug/L



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-03	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	75.0	U	1	25.6	75.0	100	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7440-39-3	Barium	647	N	1	72.8	125	500	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7440-43-9	Cadmium	7.50	U	1	2.50	7.50	30.0	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7440-47-3	Chromium	25.0	U	1	10.6	25.0	50.0	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7439-92-1	Lead	48.0	U	1	11.5	48.0	60.0	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7439-97-6	Mercury	1.60	UN	1	0.76	1.60	2.00	ug/L	07/21/25 14:10	07/22/25 16:46	7470A	
7782-49-2	Selenium	80.0	U	1	48.2	80.0	100	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7440-22-4	Silver	25.0	U	1	8.10	25.0	50.0	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP Mercury			

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV36	Mercury	3.82	4.0	96	90 - 110	CV	07/22/2025	15:13	LB136570

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV34	Mercury	4.50	5.0	90	90 - 110	CV	07/22/2025	15:17	LB136570
CCV35	Mercury	4.91	5.0	98	90 - 110	CV	07/22/2025	15:54	LB136570
CCV36	Mercury	5.27	5.0	105	90 - 110	CV	07/22/2025	16:28	LB136570
CCV37	Mercury	5.14	5.0	103	90 - 110	CV	07/22/2025	16:58	LB136570
CCV38	Mercury	4.98	5.0	100	90 - 110	CV	07/22/2025	17:31	LB136570
CCV39	Mercury	4.96	5.0	99	90 - 110	CV	07/22/2025	18:15	LB136570
CCV40	Mercury	5.05	5.0	101	90 - 110	CV	07/22/2025	18:56	LB136570

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Barium	8140	8000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Cadmium	1950	2000	98	90 - 110	P	07/22/2025	12:03	LB136571
	Chromium	819	800	102	90 - 110	P	07/22/2025	12:03	LB136571
	Lead	3800	4000	95	90 - 110	P	07/22/2025	12:03	LB136571
	Selenium	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Silver	1040	1000	104	90 - 110	P	07/22/2025	12:03	LB136571

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	21.8	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Barium	101	100	102	80 - 120	P	07/22/2025	12:10	LB136571
	Cadmium	5.75	6.0	96	80 - 120	P	07/22/2025	12:10	LB136571
	Chromium	10.8	10.0	108	80 - 120	P	07/22/2025	12:10	LB136571
	Lead	13.2	12.0	110	80 - 120	P	07/22/2025	12:10	LB136571
	Selenium	21.7	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Silver	10.4	10.0	104	80 - 120	P	07/22/2025	12:10	LB136571

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5010	5000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Barium	10100	10000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Cadmium	2470	2500	99	90 - 110	P	07/22/2025	13:00	LB136571
	Chromium	984	1000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Lead	4920	5000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Selenium	5030	5000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Silver	1260	1250	100	90 - 110	P	07/22/2025	13:00	LB136571
CCV02	Arsenic	5090	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Barium	10500	10000	105	90 - 110	P	07/22/2025	14:05	LB136571
	Cadmium	2490	2500	100	90 - 110	P	07/22/2025	14:05	LB136571
	Chromium	976	1000	98	90 - 110	P	07/22/2025	14:05	LB136571
	Lead	4970	5000	99	90 - 110	P	07/22/2025	14:05	LB136571
	Selenium	5100	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Silver	1280	1250	102	90 - 110	P	07/22/2025	14:05	LB136571
CCV03	Arsenic	5210	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	15:20	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	15:20	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	15:20	LB136571
	Lead	5110	5000	102	90 - 110	P	07/22/2025	15:20	LB136571
	Selenium	5230	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Silver	1310	1250	105	90 - 110	P	07/22/2025	15:20	LB136571
CCV04	Arsenic	5220	5000	104	90 - 110	P	07/22/2025	16:13	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	16:13	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	16:13	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	16:13	LB136571
	Lead	5100	5000	102	90 - 110	P	07/22/2025	16:13	LB136571
	Selenium	5240	5000	105	90 - 110	P	07/22/2025	16:13	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	16:13	LB136571
CCV05	Arsenic	5170	5000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	17:14	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	17:14	LB136571
	Chromium	1020	1000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Selenium	5180	5000	104	90 - 110	P	07/22/2025	17:14	LB136571

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1320	1250	106	90 - 110	P	07/22/2025	17:14	LB136571
CCV06	Arsenic	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	18:05	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	18:05	LB136571
	Chromium	1040	1000	104	90 - 110	P	07/22/2025	18:05	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	18:05	LB136571
	Selenium	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	18:05	LB136571
CCV07	Arsenic	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	18:54	LB136571
	Cadmium	2570	2500	103	90 - 110	P	07/22/2025	18:54	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	18:54	LB136571
	Lead	5130	5000	103	90 - 110	P	07/22/2025	18:54	LB136571
	Selenium	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	18:54	LB136571
CCV08	Arsenic	5260	5000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	19:19	LB136571
	Cadmium	2580	2500	103	90 - 110	P	07/22/2025	19:19	LB136571
	Chromium	1050	1000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Lead	5150	5000	103	90 - 110	P	07/22/2025	19:19	LB136571
	Selenium	5290	5000	106	90 - 110	P	07/22/2025	19:19	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	19:19	LB136571



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

Metals

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CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	20.5	20.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Barium	99.5	100	100	65 - 135	P	07/22/2025	12:32	LB136571
	Cadmium	5.65	6.0	94	65 - 135	P	07/22/2025	12:32	LB136571
	Chromium	10.5	10.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Lead	12.4	12.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Selenium	21.2	20.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Silver	9.69	10.0	97	65 - 135	P	07/22/2025	12:32	LB136571
CRA	Mercury	0.19	0.2	93	70 - 130	CV	07/22/2025	15:22	LB136570



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	15:15	LB136570

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB34	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	15:20	LB136570
CCB35	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	15:59	LB136570
CCB36	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	16:30	LB136570
CCB37	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	17:00	LB136570
CCB38	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	17:33	LB136570
CCB39	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	18:20	LB136570
CCB40	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	18:58	LB136570

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	12:27	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	12:27	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	12:27	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	12:27	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	12:27	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	12:27	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	12:27	LB136571

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645
Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	13:05	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	13:05	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	13:05	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	13:05	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	13:05	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	13:05	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	13:05	LB136571
CCB02	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	14:09	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	14:09	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	14:09	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	14:09	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	14:09	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	14:09	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	14:09	LB136571
CCB03	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	15:26	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	15:26	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	15:26	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	15:26	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	15:26	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	15:26	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	15:26	LB136571
CCB04	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	16:17	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	16:17	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	16:17	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	16:17	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	16:17	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	16:17	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	16:17	LB136571
CCB05	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	17:18	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	17:18	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	17:18	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	17:18	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	17:18	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	17:18	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	17:18	LB136571
CCB06	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	18:09	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	18:09	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	18:09	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	18:09	LB136571

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	18:09	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	18:09	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	18:09	LB136571
CCB07	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	18:58	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	18:58	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	18:58	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	18:58	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	18:58	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	18:58	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	18:58	LB136571
CCB08	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	19:23	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	19:23	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	19:23	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	19:23	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	19:23	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	19:23	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	19:23	LB136571

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168919TB		WATER		Batch Number:		PB168960		Prep Date:	07/21/2025	
	Mercury	0.76	<2	U	1.60	2.00	CV	07/22/2025	17:55	LB136570
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168960BL		WATER		Batch Number:		PB168960		Prep Date:	07/21/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	07/22/2025	16:37	LB136570

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168919TB		WATER		Batch Number:		PB168941		Prep Date:	07/21/2025	
	Arsenic	25.6	<50	U	75.0	100	P	07/22/2025	14:47	LB136571
	Barium	72.8	<250	U	125	500	P	07/22/2025	14:47	LB136571
	Cadmium	2.50	<15	U	7.50	30.0	P	07/22/2025	14:47	LB136571
	Chromium	10.6	<25	U	25.0	50.0	P	07/22/2025	14:47	LB136571
	Lead	11.5	<30	U	48.0	60.0	P	07/22/2025	14:47	LB136571
	Selenium	48.2	<50	U	80.0	100	P	07/22/2025	14:47	LB136571
	Silver	8.10	<25	U	25.0	50.0	P	07/22/2025	14:47	LB136571
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168941BL		WATER		Batch Number:		PB168941		Prep Date:	07/21/2025	
	Arsenic	25.6	<50	U	75.0	100	P	07/22/2025	14:56	LB136571
	Barium	72.8	<250	U	125	500	P	07/22/2025	14:56	LB136571
	Cadmium	2.50	<15	U	7.50	30.0	P	07/22/2025	14:56	LB136571
	Chromium	10.6	<25	U	25.0	50.0	P	07/22/2025	14:56	LB136571
	Lead	11.5	<30	U	48.0	60.0	P	07/22/2025	14:56	LB136571
	Selenium	48.2	<50	U	80.0	100	P	07/22/2025	14:56	LB136571
	Silver	8.10	<25	U	25.0	50.0	P	07/22/2025	14:56	LB136571

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Tetra Tech NUS, Inc.</u>	SDG No.: <u>Q2645</u>
Contract: <u>TETR06</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	10.7			-20	20	07/22/2025	12:37	LB136571
	Barium	2.26	6.0	38	-94	106	07/22/2025	12:37	LB136571
	Cadmium	-1.25	1.0	125	-5	7	07/22/2025	12:37	LB136571
	Chromium	55.9	52.0	108	42	62	07/22/2025	12:37	LB136571
	Lead	-3.81			-12	12	07/22/2025	12:37	LB136571
	Selenium	-9.01			-20	20	07/22/2025	12:37	LB136571
	Silver	3.81			-10	10	07/22/2025	12:37	LB136571
ICSAB01	Arsenic	103	104	99	88.4	120	07/22/2025	12:48	LB136571
	Barium	494	537	92	437	637	07/22/2025	12:48	LB136571
	Cadmium	914	972	94	826	1120	07/22/2025	12:48	LB136571
	Chromium	536	542	99	460	624	07/22/2025	12:48	LB136571
	Lead	42.1	49.0	86	37	61	07/22/2025	12:48	LB136571
	Selenium	40.7	46.0	88	26	66	07/22/2025	12:48	LB136571
	Silver	210	201	104	170	232	07/22/2025	12:48	LB136571



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Tetra Tech NUS, Inc.</u>	level: <u>low</u>	sdg no.: <u>Q2645</u>
contract: <u>TETR06</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2649-24</u>	client id: <u>WC-6MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2649-24MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	4230		100	U	4000	106		P
Barium	ug/L	88 - 113	2520		1260		1000	127	N	P
Cadmium	ug/L	88 - 113	1010		30.0	U	1000	101		P
Chromium	ug/L	90 - 113	2030		50.0	U	2000	102		P
Lead	ug/L	86 - 113	4900		64.2		5000	97		P
Mercury	ug/L	82 - 119	26.3		2.00	U	40.0	66	N	CV
Selenium	ug/L	83 - 114	10700		100	U	10000	107		P
Silver	ug/L	84 - 115	394		50.0	U	380	104		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Tetra Tech NUS, Inc.</u>	level: <u>low</u>	sdg no.: <u>Q2645</u>
contract: <u>TETR06</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2649-24</u>	client id: <u>WC-6MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2649-24MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	4100		100	U	4000	102		P
Barium	ug/L	88 - 113	2690		1260		1000	144	N	P
Cadmium	ug/L	88 - 113	984		30.0	U	1000	98		P
Chromium	ug/L	90 - 113	2000		50.0	U	2000	100		P
Lead	ug/L	86 - 113	4770		64.2		5000	94		P
Mercury	ug/L	82 - 119	27.3		2.00	U	40.0	68	N	CV
Selenium	ug/L	83 - 114	10300		100	U	10000	103		P
Silver	ug/L	84 - 115	388		50.0	U	380	102		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Tetra Tech NUS, Inc.

Contract: TETR06

Matrix: Water

Sample ID: Q2649-24

SDG No.: Q2645

Lab Code: ACE

Client ID: WC-6A

Level: LOW

Spiked ID: Q2649-24A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	88 - 113	2410		1260		1000	115	N	P
Mercury	ug/L	82 - 119	32.6		2.00	U	40.0	82		CV

A
B
C
D
E
F
G
H

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2645</u>
Contract:	<u>TETR06</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2649-24</u>	Client ID:	<u>WC-6DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2649-24DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	1260		1470		15		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	64.2		75.6		16		P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2645</u>
Contract:	<u>TETR06</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2649-24MS</u>	Client ID:	<u>WC-6MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2649-24MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4230		4100		3		P
Barium	ug/L	20	2520		2690		7		P
Cadmium	ug/L	20	1010		984		3		P
Chromium	ug/L	20	2030		2000		1		P
Lead	ug/L	20	4900		4770		3		P
Mercury	ug/L	20	26.3		27.3		4		CV
Selenium	ug/L	20	10700		10300		4		P
Silver	ug/L	20	394		388		2		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	SDG No.:	<u>Q2645</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168941BS							
Arsenic	ug/L	4000	3990		100	87 - 113	P
Barium	ug/L	1000	1080		108	88 - 113	P
Cadmium	ug/L	1000	976		98	88 - 113	P
Chromium	ug/L	2000	2050		102	90 - 113	P
Lead	ug/L	5000	4910		98	86 - 113	P
Selenium	ug/L	10000	10100		101	83 - 114	P
Silver	ug/L	380	398		105	84 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168960BS Mercury	ug/L	4.0	4.00		100	82 - 119	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-6L

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **Lb No.:** lb136571 **Lab Sample ID :** Q2649-24L **SDG No.:** Q2645
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence		Q	M
		C		C				
Arsenic		100 U		500 U				P
Barium		1260		1300 J		3		P
Cadmium		30.0 U		150 U				P
Chromium		50.0 U		250 U				P
Lead		64.2		89.1 J		39		P
Mercury		2.00 U		10.0 U				CV
Selenium		100 U		500 U				P
Silver		50.0 U		250 U				P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
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
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
Lead	220.353	-0.0000920	0.0000000	0.0000380	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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		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
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
Lead	220.353	0.0000000	0.0003170	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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
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
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
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		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
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
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		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
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
Lead	220.353	0.0000000	-0.0003610	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

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Method:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168941							
PB168919TB	PB168919TB	MB	WATER	07/21/2025	5.0	25.0	
PB168941BL	PB168941BL	MB	WATER	07/21/2025	5.0	25.0	
PB168941BS	PB168941BS	LCS	WATER	07/21/2025	5.0	25.0	
Q2645-03	RW5B-CARBON-20250716	SAM	WATER	07/21/2025	5.0	25.0	
Q2649-24DUP	WC-6DUP	DUP	WATER	07/21/2025	5.0	25.0	
Q2649-24MS	WC-6MS	MS	WATER	07/21/2025	5.0	25.0	
Q2649-24MSD	WC-6MSD	MSD	WATER	07/21/2025	5.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168960							
PB168919TB	PB168919TB	MB	WATER	07/21/2025	3.0	30.0	
PB168960BL	PB168960BL	MB	WATER	07/21/2025	30.0	30.0	
PB168960BS	PB168960BS	LCS	WATER	07/21/2025	30.0	30.0	
Q2645-03	RW5B-CARBON-20250716	SAM	WATER	07/21/2025	3.0	30.0	
Q2649-24DUP	WC-6DUP	DUP	WATER	07/21/2025	3.0	30.0	
Q2649-24MS	WC-6MS	MS	WATER	07/21/2025	3.0	30.0	
Q2649-24MSD	WC-6MSD	MSD	WATER	07/21/2025	3.0	30.0	

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc.

Contract: TETR06

Lab code: ACE

Sdg no.: Q2645

Instrument id number: _____

Method: _____

Run number: LB136570

Start date: 07/22/2025

End date: 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1429	HG
S0.2	S0.2	1	1431	HG
S2.5	S2.5	1	1434	HG
S5	S5	1	1436	HG
S7.5	S7.5	1	1438	HG
S10	S10	1	1452	HG
ICV36	ICV36	1	1513	HG
ICB36	ICB36	1	1515	HG
CCV34	CCV34	1	1517	HG
CCB34	CCB34	1	1520	HG
CRA	CRA	1	1522	HG
CCV35	CCV35	1	1554	HG
CCB35	CCB35	1	1559	HG
CCV36	CCV36	1	1628	HG
CCB36	CCB36	1	1630	HG
PB168960BL	PB168960BL	1	1637	HG
PB168960BS	PB168960BS	1	1642	HG
Q2645-03	RW5B-CARBON-20250716	1	1646	HG
CCV37	CCV37	1	1658	HG
CCB37	CCB37	1	1700	HG
Q2649-24DUP	WC-6DUP	1	1709	HG
Q2649-24MS	WC-6MS	1	1711	HG
Q2649-24MSD	WC-6MSD	1	1714	HG
CCV38	CCV38	1	1731	HG
CCB38	CCB38	1	1733	HG
PB168919TB	PB168919TB	1	1755	HG
CCV39	CCV39	1	1815	HG
CCB39	CCB39	1	1820	HG
Q2649-24L	WC-6L	5	1827	HG
Q2649-24A	WC-6A	1	1829	HG
CCV40	CCV40	1	1856	HG
CCB40	CCB40	1	1858	HG

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc.

Contract: TETR06

Lab code: ACE

Sdg no.: Q2645

Instrument id number:

Method:

Run number: LB136571

Start date: 07/22/2025

End date: 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1111	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1116	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1120	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1124	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1128	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1133	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1203	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1210	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1227	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1232	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1237	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1248	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1300	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1305	Ag,As,Ba,Cd,Cr,Pb,Se
Q2645-03	RW5B-CARBON-20250716	1	1320	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1405	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1409	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24DUP	WC-6DUP	1	1425	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24L	WC-6L	5	1430	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24MS	WC-6MS	1	1434	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24MSD	WC-6MSD	1	1438	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24A	WC-6A	1	1442	Ba
PB168919TB	PB168919TB	1	1447	Ag,As,Ba,Cd,Cr,Pb,Se
PB168941BL	PB168941BL	1	1456	Ag,As,Ba,Cd,Cr,Pb,Se
PB168941BS	PB168941BS	1	1501	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1520	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1526	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1613	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1617	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1714	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1718	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1805	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1809	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1854	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1858	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1919	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1923	Ag,As,Ba,Cd,Cr,Pb,Se