

LAB CHRONICLE

OrderID: Q3291	OrderDate: 10/6/2025 10:30:11 AM
Client: Tetra Tech, EMI	Project: R37063 - PA
Contact: Ava Heiss	Location: D21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3291-05	MC0AX0	Water	Mercury	7470A	10/03/25	10/06/25	10/07/25	10/06/25
			Metals ICP-TAL	6020B		10/06/25	10/07/25	
Q3291-06	MC0AX1	Water	Dissolved ICP-TAL Metals	6020B	10/03/25	10/06/25	10/07/25	10/06/25
			Dissolved Mercury	7470A		10/06/25	10/07/25	
Q3291-07	MC0AX2	Water	Mercury	7470A	10/03/25	10/06/25	10/07/25	10/06/25
			Metals ICP-TAL	6020B		10/06/25	10/07/25	
Q3291-08	MC0AX3	Water	Dissolved ICP-TAL Metals	6020B	10/03/25	10/06/25	10/07/25	10/06/25
			Dissolved Mercury	7470A		10/06/25	10/07/25	

Hit Summary Sheet SW-846

SDG No.: Q3291
Client: Tetra Tech, EMI

Order ID: Q3291
Project ID: R37063 - PA

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MC0AX0								
Q3291-05	MC0AX0	Water	Aluminum	22.6		1.94	20.0	ug/L
Q3291-05	MC0AX0	Water	Antimony	3.64		0.11	2.00	ug/L
Q3291-05	MC0AX0	Water	Arsenic	40.5		0.089	1.00	ug/L
Q3291-05	MC0AX0	Water	Barium	13.9		0.21	10.0	ug/L
Q3291-05	MC0AX0	Water	Calcium	88400		45.7	500	ug/L
Q3291-05	MC0AX0	Water	Chromium	0.86	J	0.21	2.00	ug/L
Q3291-05	MC0AX0	Water	Cobalt	0.54	J	0.070	1.00	ug/L
Q3291-05	MC0AX0	Water	Copper	2.61		0.30	2.00	ug/L
Q3291-05	MC0AX0	Water	Iron	864		7.81	50.0	ug/L
Q3291-05	MC0AX0	Water	Lead	0.29	J	0.21	1.00	ug/L
Q3291-05	MC0AX0	Water	Magnesium	17700		19.5	500	ug/L
Q3291-05	MC0AX0	Water	Manganese	266		0.43	1.00	ug/L
Q3291-05	MC0AX0	Water	Nickel	2.58		0.27	1.00	ug/L
Q3291-05	MC0AX0	Water	Potassium	15300		36.4	500	ug/L
Q3291-05	MC0AX0	Water	Silver	0.080	J	0.060	1.00	ug/L
Q3291-05	MC0AX0	Water	Sodium	325000		128	500	ug/L
Q3291-05	MC0AX0	Water	Thallium	0.18	J	0.060	1.00	ug/L
Q3291-05	MC0AX0	Water	Vanadium	2.45	J	0.077	5.00	ug/L
Q3291-05	MC0AX0	Water	Zinc	6.44		1.25	5.00	ug/L
Client ID : MC0AX1								
Q3291-06	MC0AX1	Water	Aluminum	15.1	J	1.94	20.0	ug/L
Q3291-06	MC0AX1	Water	Antimony	3.46		0.11	2.00	ug/L
Q3291-06	MC0AX1	Water	Arsenic	41.0		0.089	1.00	ug/L
Q3291-06	MC0AX1	Water	Barium	13.6		0.21	10.0	ug/L
Q3291-06	MC0AX1	Water	Calcium	87400		45.7	500	ug/L
Q3291-06	MC0AX1	Water	Chromium	0.40	J	0.21	2.00	ug/L
Q3291-06	MC0AX1	Water	Cobalt	0.45	J	0.070	1.00	ug/L
Q3291-06	MC0AX1	Water	Copper	1.58	J	0.30	2.00	ug/L
Q3291-06	MC0AX1	Water	Iron	838		7.81	50.0	ug/L
Q3291-06	MC0AX1	Water	Magnesium	17100		19.5	500	ug/L
Q3291-06	MC0AX1	Water	Manganese	262		0.43	1.00	ug/L
Q3291-06	MC0AX1	Water	Nickel	1.89		0.27	1.00	ug/L
Q3291-06	MC0AX1	Water	Potassium	14700		36.4	500	ug/L
Q3291-06	MC0AX1	Water	Sodium	322000		128	500	ug/L
Q3291-06	MC0AX1	Water	Thallium	0.15	J	0.060	1.00	ug/L
Q3291-06	MC0AX1	Water	Vanadium	2.49	J	0.077	5.00	ug/L
Q3291-06	MC0AX1	Water	Zinc	3.03	J	1.25	5.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q3291
Client: Tetra Tech, EMI

Order ID: Q3291
Project ID: R37063 - PA

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MC0AX2								
Q3291-07	MC0AX2	Water	Aluminum	21.0		1.94	20.0	ug/L
Q3291-07	MC0AX2	Water	Antimony	3.45		0.11	2.00	ug/L
Q3291-07	MC0AX2	Water	Arsenic	43.0	D	0.45	5.00	ug/L
Q3291-07	MC0AX2	Water	Barium	13.9		0.21	10.0	ug/L
Q3291-07	MC0AX2	Water	Calcium	87500		45.7	500	ug/L
Q3291-07	MC0AX2	Water	Chromium	0.83	J	0.21	2.00	ug/L
Q3291-07	MC0AX2	Water	Cobalt	0.51	J	0.070	1.00	ug/L
Q3291-07	MC0AX2	Water	Copper	2.49		0.30	2.00	ug/L
Q3291-07	MC0AX2	Water	Iron	849		7.81	50.0	ug/L
Q3291-07	MC0AX2	Water	Lead	0.43	J	0.21	1.00	ug/L
Q3291-07	MC0AX2	Water	Magnesium	17400		19.5	500	ug/L
Q3291-07	MC0AX2	Water	Manganese	270		0.43	1.00	ug/L
Q3291-07	MC0AX2	Water	Nickel	2.03		0.27	1.00	ug/L
Q3291-07	MC0AX2	Water	Potassium	15300		36.4	500	ug/L
Q3291-07	MC0AX2	Water	Sodium	324000		128	500	ug/L
Q3291-07	MC0AX2	Water	Thallium	0.16	J	0.060	1.00	ug/L
Q3291-07	MC0AX2	Water	Vanadium	2.49	J	0.077	5.00	ug/L
Q3291-07	MC0AX2	Water	Zinc	5.06		1.25	5.00	ug/L
Client ID : MC0AX3								
Q3291-08	MC0AX3	Water	Aluminum	16.8	J	1.94	20.0	ug/L
Q3291-08	MC0AX3	Water	Antimony	3.58		0.11	2.00	ug/L
Q3291-08	MC0AX3	Water	Arsenic	43.3	D	0.45	5.00	ug/L
Q3291-08	MC0AX3	Water	Barium	14.1		0.21	10.0	ug/L
Q3291-08	MC0AX3	Water	Calcium	91100		45.7	500	ug/L
Q3291-08	MC0AX3	Water	Chromium	0.44	J	0.21	2.00	ug/L
Q3291-08	MC0AX3	Water	Cobalt	0.51	J	0.070	1.00	ug/L
Q3291-08	MC0AX3	Water	Copper	1.97	J	0.30	2.00	ug/L
Q3291-08	MC0AX3	Water	Iron	851		7.81	50.0	ug/L
Q3291-08	MC0AX3	Water	Lead	0.38	J	0.21	1.00	ug/L
Q3291-08	MC0AX3	Water	Magnesium	17700		19.5	500	ug/L
Q3291-08	MC0AX3	Water	Manganese	267		0.43	1.00	ug/L
Q3291-08	MC0AX3	Water	Nickel	2.03		0.27	1.00	ug/L
Q3291-08	MC0AX3	Water	Potassium	15100		36.4	500	ug/L
Q3291-08	MC0AX3	Water	Silver	0.070	J	0.060	1.00	ug/L
Q3291-08	MC0AX3	Water	Sodium	332000		128	500	ug/L
Q3291-08	MC0AX3	Water	Thallium	0.22	J	0.060	1.00	ug/L
Q3291-08	MC0AX3	Water	Vanadium	2.46	J	0.077	5.00	ug/L
Q3291-08	MC0AX3	Water	Zinc	3.73	J	1.25	5.00	ug/L



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/03/25
Project:	R37063 - PA	Date Received:	10/06/25
Client Sample ID:	MC0AX0	SDG No.:	Q3291
Lab Sample ID:	Q3291-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	22.6		1	1.94	20.0	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-36-0	Antimony	3.64		1	0.11	2.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-38-2	Arsenic	40.5		1	0.089	1.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-39-3	Barium	13.9		1	0.21	10.0	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-70-2	Calcium	88400		1	45.7	500	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-47-3	Chromium	0.86	J	1	0.21	2.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-48-4	Cobalt	0.54	J	1	0.070	1.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-50-8	Copper	2.61		1	0.30	2.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7439-89-6	Iron	864		1	7.81	50.0	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7439-92-1	Lead	0.29	J	1	0.21	1.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7439-95-4	Magnesium	17700		1	19.5	500	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7439-96-5	Manganese	266		1	0.43	1.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	10/06/25 14:20	10/07/25 11:18	7470A	
7440-02-0	Nickel	2.58		1	0.27	1.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-09-7	Potassium	15300		1	36.4	500	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-22-4	Silver	0.080	JN	1	0.060	1.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-23-5	Sodium	325000		1	128	500	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-28-0	Thallium	0.18	J	1	0.060	1.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-62-2	Vanadium	2.45	J	1	0.077	5.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A
7440-66-6	Zinc	6.44		1	1.25	5.00	ug/L	10/06/25 16:15	10/07/25 17:57	6020B	3010A

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

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

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/03/25
Project:	R37063 - PA	Date Received:	10/06/25
Client Sample ID:	MC0AX1	SDG No.:	Q3291
Lab Sample ID:	Q3291-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	15.1	J	1	1.94	20.0	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-36-0	Antimony	3.46		1	0.11	2.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-38-2	Arsenic	41.0		1	0.089	1.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-39-3	Barium	13.6		1	0.21	10.0	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-70-2	Calcium	87400		1	45.7	500	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-47-3	Chromium	0.40	J	1	0.21	2.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-48-4	Cobalt	0.45	J	1	0.070	1.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-50-8	Copper	1.58	J	1	0.30	2.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7439-89-6	Iron	838		1	7.81	50.0	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7439-92-1	Lead	0.21	U	1	0.21	1.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7439-95-4	Magnesium	17100		1	19.5	500	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7439-96-5	Manganese	262		1	0.43	1.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	10/06/25 14:20	10/07/25 11:27	7470A	
7440-02-0	Nickel	1.89		1	0.27	1.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-09-7	Potassium	14700		1	36.4	500	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-22-4	Silver	0.060	UN	1	0.060	1.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-23-5	Sodium	322000		1	128	500	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-28-0	Thallium	0.15	J	1	0.060	1.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-62-2	Vanadium	2.49	J	1	0.077	5.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A
7440-66-6	Zinc	3.03	J	1	1.25	5.00	ug/L	10/06/25 16:15	10/07/25 18:01	6020B	3010A

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

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

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/03/25
Project:	R37063 - PA	Date Received:	10/06/25
Client Sample ID:	MC0AX2	SDG No.:	Q3291
Lab Sample ID:	Q3291-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	21.0		1	1.94	20.0	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-36-0	Antimony	3.45		1	0.11	2.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-38-2	Arsenic	43.0	D	5	0.45	5.00	ug/L	10/06/25 16:15	10/07/25 18:35	6020B	3010A
7440-39-3	Barium	13.9		1	0.21	10.0	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-70-2	Calcium	87500		1	45.7	500	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-47-3	Chromium	0.83	J	1	0.21	2.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-48-4	Cobalt	0.51	J	1	0.070	1.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-50-8	Copper	2.49		1	0.30	2.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7439-89-6	Iron	849		1	7.81	50.0	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7439-92-1	Lead	0.43	J	1	0.21	1.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7439-95-4	Magnesium	17400		1	19.5	500	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7439-96-5	Manganese	270		1	0.43	1.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	10/06/25 14:20	10/07/25 11:29	7470A	
7440-02-0	Nickel	2.03		1	0.27	1.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-09-7	Potassium	15300		1	36.4	500	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7782-49-2	Selenium	14.5	UD	5	14.5	25.0	ug/L	10/06/25 16:15	10/07/25 18:35	6020B	3010A
7440-22-4	Silver	0.060	UN	1	0.060	1.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-23-5	Sodium	324000		1	128	500	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-28-0	Thallium	0.16	J	1	0.060	1.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-62-2	Vanadium	2.49	J	1	0.077	5.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A
7440-66-6	Zinc	5.06		1	1.25	5.00	ug/L	10/06/25 16:15	10/07/25 18:04	6020B	3010A

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

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/03/25
Project:	R37063 - PA	Date Received:	10/06/25
Client Sample ID:	MC0AX3	SDG No.:	Q3291
Lab Sample ID:	Q3291-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	16.8	J	1	1.94	20.0	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-36-0	Antimony	3.58		1	0.11	2.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-38-2	Arsenic	43.3	D	5	0.45	5.00	ug/L	10/06/25 16:15	10/07/25 18:54	6020B	3010A
7440-39-3	Barium	14.1		1	0.21	10.0	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-70-2	Calcium	91100		1	45.7	500	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-47-3	Chromium	0.44	J	1	0.21	2.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-48-4	Cobalt	0.51	J	1	0.070	1.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-50-8	Copper	1.97	J	1	0.30	2.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7439-89-6	Iron	851		1	7.81	50.0	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7439-92-1	Lead	0.38	J	1	0.21	1.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7439-95-4	Magnesium	17700		1	19.5	500	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7439-96-5	Manganese	267		1	0.43	1.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	10/06/25 14:20	10/07/25 11:32	7470A	
7440-02-0	Nickel	2.03		1	0.27	1.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-09-7	Potassium	15100		1	36.4	500	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7782-49-2	Selenium	14.5	UD	5	14.5	25.0	ug/L	10/06/25 16:15	10/07/25 18:54	6020B	3010A
7440-22-4	Silver	0.070	JN	1	0.060	1.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-23-5	Sodium	332000		1	128	500	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-28-0	Thallium	0.22	J	1	0.060	1.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-62-2	Vanadium	2.46	J	1	0.077	5.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A
7440-66-6	Zinc	3.73	J	1	1.25	5.00	ug/L	10/06/25 16:15	10/07/25 18:28	6020B	3010A

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

U = Not Detected
 LOQ = Limit of Quantitation
 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, EMI

SDG No.: Q3291

Contract: TETR16

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
ICV61	Mercury	3.79	4.0	95	90 - 110	CV	10/07/2025	10:04	LB137441

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

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
CCV90	Mercury	4.93	5.0	99	90 - 110	CV	10/07/2025	10:09	LB137441
CCV91	Mercury	4.88	5.0	98	90 - 110	CV	10/07/2025	10:45	LB137441
CCV92	Mercury	4.57	5.0	91	90 - 110	CV	10/07/2025	11:13	LB137441
CCV93	Mercury	4.74	5.0	95	90 - 110	CV	10/07/2025	11:37	LB137441
CCV94	Mercury	4.84	5.0	97	90 - 110	CV	10/07/2025	11:53	LB137441

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

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
ICV01	Aluminum	1490	1600	93	90 - 110	P	10/07/2025	17:26	LB137449
	Antimony	434	400	108	90 - 110	P	10/07/2025	17:26	LB137449
	Arsenic	403	400	101	90 - 110	P	10/07/2025	17:26	LB137449
	Barium	1660	1600	104	90 - 110	P	10/07/2025	17:26	LB137449
	Beryllium	42.8	40.0	107	90 - 110	P	10/07/2025	17:26	LB137449
	Cadmium	215	200	108	90 - 110	P	10/07/2025	17:26	LB137449
	Calcium	3980	4000	99	90 - 110	P	10/07/2025	17:26	LB137449
	Chromium	161	160	100	90 - 110	P	10/07/2025	17:26	LB137449
	Cobalt	406	400	102	90 - 110	P	10/07/2025	17:26	LB137449
	Copper	187	200	93	90 - 110	P	10/07/2025	17:26	LB137449
	Iron	862	800	108	90 - 110	P	10/07/2025	17:26	LB137449
	Lead	390	400	98	90 - 110	P	10/07/2025	17:26	LB137449
	Magnesium	3600	4000	90	90 - 110	P	10/07/2025	17:26	LB137449
	Manganese	402	400	100	90 - 110	P	10/07/2025	17:26	LB137449
	Nickel	411	400	103	90 - 110	P	10/07/2025	17:26	LB137449
	Potassium	4160	4000	104	90 - 110	P	10/07/2025	17:26	LB137449
	Selenium	420	400	105	90 - 110	P	10/07/2025	17:26	LB137449
	Silver	185	200	92	90 - 110	P	10/07/2025	17:26	LB137449
	Sodium	3960	4000	99	90 - 110	P	10/07/2025	17:26	LB137449
	Thallium	390	400	97	90 - 110	P	10/07/2025	17:26	LB137449
	Vanadium	399	400	100	90 - 110	P	10/07/2025	17:26	LB137449
	Zinc	369	400	92	90 - 110	P	10/07/2025	17:26	LB137449

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech, EMI
Contract: TETR16
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3291
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	19.3	20.0	97	80 - 120	P	10/07/2025	17:29	LB137449
	Antimony	2.16	2.0	108	80 - 120	P	10/07/2025	17:29	LB137449
	Arsenic	1.04	1.0	104	80 - 120	P	10/07/2025	17:29	LB137449
	Barium	9.85	10.0	98	80 - 120	P	10/07/2025	17:29	LB137449
	Beryllium	1.09	1.0	109	80 - 120	P	10/07/2025	17:29	LB137449
	Cadmium	1.00	1.0	100	80 - 120	P	10/07/2025	17:29	LB137449
	Calcium	482	500	96	80 - 120	P	10/07/2025	17:29	LB137449
	Chromium	1.96	2.0	98	80 - 120	P	10/07/2025	17:29	LB137449
	Cobalt	1.04	1.0	104	80 - 120	P	10/07/2025	17:29	LB137449
	Copper	1.79	2.0	90	80 - 120	P	10/07/2025	17:29	LB137449
	Iron	53.2	50.0	106	80 - 120	P	10/07/2025	17:29	LB137449
	Lead	0.85	1.0	85	80 - 120	P	10/07/2025	17:29	LB137449
	Magnesium	456	500	91	80 - 120	P	10/07/2025	17:29	LB137449
	Manganese	1.02	1.0	102	80 - 120	P	10/07/2025	17:29	LB137449
	Nickel	0.95	1.0	95	80 - 120	P	10/07/2025	17:29	LB137449
	Potassium	499	500	100	80 - 120	P	10/07/2025	17:29	LB137449
	Selenium	5.68	5.0	114	80 - 120	P	10/07/2025	17:29	LB137449
	Silver	1.13	1.0	113	80 - 120	P	10/07/2025	17:29	LB137449
	Sodium	489	500	98	80 - 120	P	10/07/2025	17:29	LB137449
	Thallium	0.99	1.0	99	80 - 120	P	10/07/2025	17:29	LB137449
	Vanadium	4.83	5.0	97	80 - 120	P	10/07/2025	17:29	LB137449
	Zinc	4.29	5.0	86	80 - 120	P	10/07/2025	17:29	LB137449

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

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
CCV01	Aluminum	47600	50000	95	90 - 110	P	10/07/2025	17:42	LB137449
	Antimony	520	500	104	90 - 110	P	10/07/2025	17:42	LB137449
	Arsenic	490	500	98	90 - 110	P	10/07/2025	17:42	LB137449
	Barium	2580	2500	103	90 - 110	P	10/07/2025	17:42	LB137449
	Beryllium	516	500	103	90 - 110	P	10/07/2025	17:42	LB137449
	Cadmium	509	500	102	90 - 110	P	10/07/2025	17:42	LB137449
	Calcium	241000	250000	96	90 - 110	P	10/07/2025	17:42	LB137449
	Chromium	501	500	100	90 - 110	P	10/07/2025	17:42	LB137449
	Cobalt	497	500	99	90 - 110	P	10/07/2025	17:42	LB137449
	Copper	4930	5000	99	90 - 110	P	10/07/2025	17:42	LB137449
	Iron	126000	125000	101	90 - 110	P	10/07/2025	17:42	LB137449
	Lead	2550	2500	102	90 - 110	P	10/07/2025	17:42	LB137449
	Magnesium	239000	250000	96	90 - 110	P	10/07/2025	17:42	LB137449
	Manganese	4960	5000	99	90 - 110	P	10/07/2025	17:42	LB137449
	Nickel	500	500	100	90 - 110	P	10/07/2025	17:42	LB137449
	Potassium	124000	125000	99	90 - 110	P	10/07/2025	17:42	LB137449
	Selenium	484	500	97	90 - 110	P	10/07/2025	17:42	LB137449
	Silver	523	500	105	90 - 110	P	10/07/2025	17:42	LB137449
	Sodium	244000	250000	98	90 - 110	P	10/07/2025	17:42	LB137449
	Thallium	512	500	102	90 - 110	P	10/07/2025	17:42	LB137449
	Vanadium	503	500	100	90 - 110	P	10/07/2025	17:42	LB137449
	Zinc	4790	5000	96	90 - 110	P	10/07/2025	17:42	LB137449
CCV02	Aluminum	48000	50000	96	90 - 110	P	10/07/2025	18:19	LB137449
	Antimony	520	500	104	90 - 110	P	10/07/2025	18:19	LB137449
	Arsenic	495	500	99	90 - 110	P	10/07/2025	18:19	LB137449
	Barium	2590	2500	104	90 - 110	P	10/07/2025	18:19	LB137449
	Beryllium	510	500	102	90 - 110	P	10/07/2025	18:19	LB137449
	Cadmium	514	500	103	90 - 110	P	10/07/2025	18:19	LB137449
	Calcium	243000	250000	97	90 - 110	P	10/07/2025	18:19	LB137449
	Chromium	498	500	100	90 - 110	P	10/07/2025	18:19	LB137449
	Cobalt	504	500	101	90 - 110	P	10/07/2025	18:19	LB137449
	Copper	4920	5000	98	90 - 110	P	10/07/2025	18:19	LB137449
	Iron	126000	125000	101	90 - 110	P	10/07/2025	18:19	LB137449
	Lead	2590	2500	104	90 - 110	P	10/07/2025	18:19	LB137449

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

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
CCV02	Magnesium	239000	250000	96	90 - 110	P	10/07/2025	18:19	LB137449
	Manganese	4950	5000	99	90 - 110	P	10/07/2025	18:19	LB137449
	Nickel	494	500	99	90 - 110	P	10/07/2025	18:19	LB137449
	Potassium	124000	125000	99	90 - 110	P	10/07/2025	18:19	LB137449
	Selenium	494	500	99	90 - 110	P	10/07/2025	18:19	LB137449
	Silver	518	500	104	90 - 110	P	10/07/2025	18:19	LB137449
	Sodium	246000	250000	98	90 - 110	P	10/07/2025	18:19	LB137449
	Thallium	523	500	105	90 - 110	P	10/07/2025	18:19	LB137449
	Vanadium	503	500	100	90 - 110	P	10/07/2025	18:19	LB137449
	Zinc	4810	5000	96	90 - 110	P	10/07/2025	18:19	LB137449
CCV03	Aluminum	48700	50000	97	90 - 110	P	10/07/2025	18:57	LB137449
	Antimony	524	500	105	90 - 110	P	10/07/2025	18:57	LB137449
	Arsenic	485	500	97	90 - 110	P	10/07/2025	18:57	LB137449
	Barium	2610	2500	104	90 - 110	P	10/07/2025	18:57	LB137449
	Beryllium	509	500	102	90 - 110	P	10/07/2025	18:57	LB137449
	Cadmium	506	500	101	90 - 110	P	10/07/2025	18:57	LB137449
	Calcium	240000	250000	96	90 - 110	P	10/07/2025	18:57	LB137449
	Chromium	504	500	101	90 - 110	P	10/07/2025	18:57	LB137449
	Cobalt	500	500	100	90 - 110	P	10/07/2025	18:57	LB137449
	Copper	5000	5000	100	90 - 110	P	10/07/2025	18:57	LB137449
	Iron	127000	125000	102	90 - 110	P	10/07/2025	18:57	LB137449
	Lead	2520	2500	101	90 - 110	P	10/07/2025	18:57	LB137449
	Magnesium	242000	250000	97	90 - 110	P	10/07/2025	18:57	LB137449
	Manganese	5000	5000	100	90 - 110	P	10/07/2025	18:57	LB137449
	Nickel	497	500	99	90 - 110	P	10/07/2025	18:57	LB137449
	Potassium	125000	125000	100	90 - 110	P	10/07/2025	18:57	LB137449
	Selenium	481	500	96	90 - 110	P	10/07/2025	18:57	LB137449
	Silver	519	500	104	90 - 110	P	10/07/2025	18:57	LB137449
	Sodium	247000	250000	99	90 - 110	P	10/07/2025	18:57	LB137449
	Thallium	512	500	102	90 - 110	P	10/07/2025	18:57	LB137449
	Vanadium	502	500	100	90 - 110	P	10/07/2025	18:57	LB137449
	Zinc	4830	5000	97	90 - 110	P	10/07/2025	18:57	LB137449

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

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
CRA	Mercury	0.18	0.2	92	70 - 130	CV	10/07/2025	10:13	LB137441
CRI01	Aluminum	19.2	20.0	96	70 - 130	P	10/07/2025	17:48	LB137449
	Antimony	2.09	2.0	104	70 - 130	P	10/07/2025	17:48	LB137449
	Arsenic	1.22	1.0	122	70 - 130	P	10/07/2025	17:48	LB137449
	Barium	9.83	10.0	98	70 - 130	P	10/07/2025	17:48	LB137449
	Beryllium	1.08	1.0	108	70 - 130	P	10/07/2025	17:48	LB137449
	Cadmium	1.05	1.0	105	70 - 130	P	10/07/2025	17:48	LB137449
	Calcium	485	500	97	70 - 130	P	10/07/2025	17:48	LB137449
	Chromium	1.95	2.0	98	70 - 130	P	10/07/2025	17:48	LB137449
	Cobalt	1.05	1.0	105	50 - 150	P	10/07/2025	17:48	LB137449
	Copper	2.02	2.0	101	70 - 130	P	10/07/2025	17:48	LB137449
	Iron	57.4	50.0	115	70 - 130	P	10/07/2025	17:48	LB137449
	Lead	0.87	1.0	87	70 - 130	P	10/07/2025	17:48	LB137449
	Magnesium	463	500	93	70 - 130	P	10/07/2025	17:48	LB137449
	Manganese	1.05	1.0	105	50 - 150	P	10/07/2025	17:48	LB137449
	Nickel	0.93	1.0	93	70 - 130	P	10/07/2025	17:48	LB137449
	Potassium	522	500	104	70 - 130	P	10/07/2025	17:48	LB137449
	Selenium	4.94	5.0	99	70 - 130	P	10/07/2025	17:48	LB137449
	Silver	1.11	1.0	111	70 - 130	P	10/07/2025	17:48	LB137449
	Sodium	515	500	103	70 - 130	P	10/07/2025	17:48	LB137449
	Thallium	1.06	1.0	106	70 - 130	P	10/07/2025	17:48	LB137449
	Vanadium	4.84	5.0	97	70 - 130	P	10/07/2025	17:48	LB137449
	Zinc	4.36	5.0	87	50 - 150	P	10/07/2025	17:48	LB137449



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB61	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	10:06	LB137441

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB90	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	10:11	LB137441
CCB91	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	10:47	LB137441
CCB92	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	11:16	LB137441
CCB93	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	11:39	LB137441
CCB94	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	11:57	LB137441

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	10/07/2025	17:33	LB137449
	Antimony	0.11	+/-1	U	2.00	P	10/07/2025	17:33	LB137449
	Arsenic	0.089	+/-0.5	U	1.00	P	10/07/2025	17:33	LB137449
	Barium	0.21	+/-5	U	10.0	P	10/07/2025	17:33	LB137449
	Beryllium	0.32	+/-0.5	U	1.00	P	10/07/2025	17:33	LB137449
	Cadmium	0.34	+/-0.5	U	1.00	P	10/07/2025	17:33	LB137449
	Calcium	45.7	+/-250	U	500	P	10/07/2025	17:33	LB137449
	Chromium	0.21	+/-1	U	2.00	P	10/07/2025	17:33	LB137449
	Cobalt	0.070	+/-0.5	U	1.00	P	10/07/2025	17:33	LB137449
	Copper	0.30	+/-1	U	2.00	P	10/07/2025	17:33	LB137449
	Iron	7.81	+/-25	U	50.0	P	10/07/2025	17:33	LB137449
	Lead	0.21	+/-0.5	U	1.00	P	10/07/2025	17:33	LB137449
	Magnesium	19.5	+/-250	U	500	P	10/07/2025	17:33	LB137449
	Manganese	0.43	+/-0.5	U	1.00	P	10/07/2025	17:33	LB137449
	Nickel	0.27	+/-0.5	U	1.00	P	10/07/2025	17:33	LB137449
	Potassium	36.4	+/-250	U	500	P	10/07/2025	17:33	LB137449
	Selenium	2.90	+/-2.5	U	5.00	P	10/07/2025	17:33	LB137449
	Silver	0.060	+/-0.5	U	1.00	P	10/07/2025	17:33	LB137449
	Sodium	128	+/-250	U	500	P	10/07/2025	17:33	LB137449
	Thallium	0.060	+/-0.5	U	1.00	P	10/07/2025	17:33	LB137449
	Vanadium	0.077	+/-2.5	U	5.00	P	10/07/2025	17:33	LB137449
	Zinc	1.25	+/-2.5	U	5.00	P	10/07/2025	17:33	LB137449

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	10/07/2025	17:45	LB137449
	Antimony	0.17	+/-1	J	2.00	P	10/07/2025	17:45	LB137449
	Arsenic	0.089	+/-0.5	U	1.00	P	10/07/2025	17:45	LB137449
	Barium	0.21	+/-5	U	10.0	P	10/07/2025	17:45	LB137449
	Beryllium	0.32	+/-0.5	U	1.00	P	10/07/2025	17:45	LB137449
	Cadmium	0.34	+/-0.5	U	1.00	P	10/07/2025	17:45	LB137449
	Calcium	45.7	+/-250	U	500	P	10/07/2025	17:45	LB137449
	Chromium	0.21	+/-1	U	2.00	P	10/07/2025	17:45	LB137449
	Cobalt	0.070	+/-0.5	U	1.00	P	10/07/2025	17:45	LB137449
	Copper	0.30	+/-1	U	2.00	P	10/07/2025	17:45	LB137449
	Iron	7.81	+/-25	U	50.0	P	10/07/2025	17:45	LB137449
	Lead	0.21	+/-0.5	U	1.00	P	10/07/2025	17:45	LB137449
	Magnesium	19.5	+/-250	U	500	P	10/07/2025	17:45	LB137449
	Manganese	0.43	+/-0.5	U	1.00	P	10/07/2025	17:45	LB137449
	Nickel	0.27	+/-0.5	U	1.00	P	10/07/2025	17:45	LB137449
	Potassium	36.4	+/-250	U	500	P	10/07/2025	17:45	LB137449
	Selenium	2.90	+/-2.5	U	5.00	P	10/07/2025	17:45	LB137449
	Silver	0.060	+/-0.5	J	1.00	P	10/07/2025	17:45	LB137449
	Sodium	128	+/-250	U	500	P	10/07/2025	17:45	LB137449
	Thallium	0.11	+/-0.5	J	1.00	P	10/07/2025	17:45	LB137449
	Vanadium	0.077	+/-2.5	U	5.00	P	10/07/2025	17:45	LB137449
	Zinc	1.25	+/-2.5	U	5.00	P	10/07/2025	17:45	LB137449
CCB02	Aluminum	1.94	+/-10	U	20.0	P	10/07/2025	18:22	LB137449
	Antimony	0.17	+/-1	J	2.00	P	10/07/2025	18:22	LB137449
	Arsenic	0.089	+/-0.5	U	1.00	P	10/07/2025	18:22	LB137449
	Barium	0.21	+/-5	U	10.0	P	10/07/2025	18:22	LB137449
	Beryllium	0.32	+/-0.5	U	1.00	P	10/07/2025	18:22	LB137449
	Cadmium	0.34	+/-0.5	U	1.00	P	10/07/2025	18:22	LB137449
	Calcium	45.7	+/-250	U	500	P	10/07/2025	18:22	LB137449
	Chromium	0.21	+/-1	U	2.00	P	10/07/2025	18:22	LB137449
	Cobalt	0.070	+/-0.5	U	1.00	P	10/07/2025	18:22	LB137449
	Copper	0.31	+/-1	J	2.00	P	10/07/2025	18:22	LB137449
	Iron	7.81	+/-25	U	50.0	P	10/07/2025	18:22	LB137449
	Lead	0.21	+/-0.5	U	1.00	P	10/07/2025	18:22	LB137449
	Magnesium	19.5	+/-250	U	500	P	10/07/2025	18:22	LB137449
	Manganese	0.43	+/-0.5	U	1.00	P	10/07/2025	18:22	LB137449
	Nickel	0.27	+/-0.5	U	1.00	P	10/07/2025	18:22	LB137449
	Potassium	36.4	+/-250	U	500	P	10/07/2025	18:22	LB137449
	Selenium	2.90	+/-2.5	U	5.00	P	10/07/2025	18:22	LB137449

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.17	+/-0.5	J	1.00	P	10/07/2025	18:22	LB137449
	Sodium	146	+/-250	J	500	P	10/07/2025	18:22	LB137449
	Thallium	0.090	+/-0.5	J	1.00	P	10/07/2025	18:22	LB137449
	Vanadium	0.077	+/-2.5	U	5.00	P	10/07/2025	18:22	LB137449
	Zinc	1.25	+/-2.5	U	5.00	P	10/07/2025	18:22	LB137449
CCB03	Aluminum	1.94	+/-10	U	20.0	P	10/07/2025	19:09	LB137449
	Antimony	0.11	+/-1	U	2.00	P	10/07/2025	19:09	LB137449
	Arsenic	0.089	+/-0.5	U	1.00	P	10/07/2025	19:09	LB137449
	Barium	0.21	+/-5	U	10.0	P	10/07/2025	19:09	LB137449
	Beryllium	0.32	+/-0.5	U	1.00	P	10/07/2025	19:09	LB137449
	Cadmium	0.34	+/-0.5	U	1.00	P	10/07/2025	19:09	LB137449
	Calcium	45.7	+/-250	U	500	P	10/07/2025	19:09	LB137449
	Chromium	0.21	+/-1	U	2.00	P	10/07/2025	19:09	LB137449
	Cobalt	0.070	+/-0.5	U	1.00	P	10/07/2025	19:09	LB137449
	Copper	0.30	+/-1	U	2.00	P	10/07/2025	19:09	LB137449
	Iron	7.81	+/-25	U	50.0	P	10/07/2025	19:09	LB137449
	Lead	0.21	+/-0.5	U	1.00	P	10/07/2025	19:09	LB137449
	Magnesium	19.5	+/-250	U	500	P	10/07/2025	19:09	LB137449
	Manganese	0.43	+/-0.5	U	1.00	P	10/07/2025	19:09	LB137449
	Nickel	0.27	+/-0.5	U	1.00	P	10/07/2025	19:09	LB137449
	Potassium	36.4	+/-250	U	500	P	10/07/2025	19:09	LB137449
	Selenium	2.90	+/-2.5	U	5.00	P	10/07/2025	19:09	LB137449
	Silver	0.060	+/-0.5	U	1.00	P	10/07/2025	19:09	LB137449
	Sodium	128	+/-250	U	500	P	10/07/2025	19:09	LB137449
	Thallium	0.060	+/-0.5	U	1.00	P	10/07/2025	19:09	LB137449
	Vanadium	0.077	+/-2.5	U	5.00	P	10/07/2025	19:09	LB137449
	Zinc	1.25	+/-2.5	U	5.00	P	10/07/2025	19:09	LB137449

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170005BL		WATER		Batch Number:	PB170005		Prep Date:	10/06/2025	
	Mercury	0.076	<0.2	U	0.20	CV	10/07/2025	11:09	LB137441

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170000BL	WATER			Batch Number:	PB170000		Prep Date:	10/06/2025	
	Aluminum	1.94	<10	U	20.0	P	10/07/2025	17:51	LB137449
	Antimony	0.11	<1	U	2.00	P	10/07/2025	17:51	LB137449
	Arsenic	0.089	<0.5	U	1.00	P	10/07/2025	17:51	LB137449
	Barium	0.21	<5	U	10.0	P	10/07/2025	17:51	LB137449
	Beryllium	0.32	<0.5	U	1.00	P	10/07/2025	17:51	LB137449
	Cadmium	0.34	<0.5	U	1.00	P	10/07/2025	17:51	LB137449
	Calcium	45.7	<250	U	500	P	10/07/2025	17:51	LB137449
	Chromium	0.21	<1	U	2.00	P	10/07/2025	17:51	LB137449
	Cobalt	0.070	<0.5	U	1.00	P	10/07/2025	17:51	LB137449
	Copper	0.30	<1	U	2.00	P	10/07/2025	17:51	LB137449
	Iron	7.81	<25	U	50.0	P	10/07/2025	17:51	LB137449
	Lead	0.21	<0.5	U	1.00	P	10/07/2025	17:51	LB137449
	Magnesium	19.5	<250	U	500	P	10/07/2025	17:51	LB137449
	Manganese	0.43	<0.5	U	1.00	P	10/07/2025	17:51	LB137449
	Nickel	0.27	<0.5	U	1.00	P	10/07/2025	17:51	LB137449
	Potassium	36.4	<250	U	500	P	10/07/2025	17:51	LB137449
	Selenium	2.90	<2.5	U	5.00	P	10/07/2025	17:51	LB137449
	Silver	0.060	<0.5	U	1.00	P	10/07/2025	17:51	LB137449
	Sodium	128	<250	U	500	P	10/07/2025	17:51	LB137449
	Thallium	0.060	<0.5	U	1.00	P	10/07/2025	17:51	LB137449
	Vanadium	0.077	<2.5	U	5.00	P	10/07/2025	17:51	LB137449
	Zinc	1.25	<2.5	U	5.00	P	10/07/2025	17:51	LB137449

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Tetra Tech, EMI</u>	SDG No.: <u>Q3291</u>
Contract: <u>TETR16</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P7</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	86800	100000	87	0	0	10/07/2025	17:36	LB137449
	Antimony	1.13	1.5	75	-2.5	5.5	10/07/2025	17:36	LB137449
	Arsenic	0.33	0.1	330	-1.9	2.1	10/07/2025	17:36	LB137449
	Barium	1.39	1.2	116	-18.8	21.2	10/07/2025	17:36	LB137449
	Beryllium	0.30			-2	2	10/07/2025	17:36	LB137449
	Cadmium	0.36	0.7	51	-1.3	2.7	10/07/2025	17:36	LB137449
	Calcium	94300	100000	94	0	0	10/07/2025	17:36	LB137449
	Chromium	19.5	21.0	93	17	25	10/07/2025	17:36	LB137449
	Cobalt	1.29	1.0	129	-1	3	10/07/2025	17:36	LB137449
	Copper	7.12	8.0	89	4	12	10/07/2025	17:36	LB137449
	Iron	96400	100000	96	0	0	10/07/2025	17:36	LB137449
	Lead	4.28	4.0	107	2	6	10/07/2025	17:36	LB137449
	Magnesium	88100	100000	88	0	0	10/07/2025	17:36	LB137449
	Manganese	7.36	7.0	105	5	9	10/07/2025	17:36	LB137449
	Nickel	5.58	6.0	93	4	8	10/07/2025	17:36	LB137449
	Potassium	95700	100000	96	0	0	10/07/2025	17:36	LB137449
	Selenium	0.59	0.3	197	-9.7	10	10/07/2025	17:36	LB137449
	Silver	0.050			-2	2	10/07/2025	17:36	LB137449
	Sodium	95800	100000	96	0	0	10/07/2025	17:36	LB137449
	Thallium	0.060			-2	2	10/07/2025	17:36	LB137449
	Vanadium	0.20	0.5	40	-9.5	10.5	10/07/2025	17:36	LB137449
	Zinc	9.96	11.0	90	1	21	10/07/2025	17:36	LB137449
ICSAB01	Aluminum	87700	100000	88	0	0	10/07/2025	17:39	LB137449
	Antimony	21.7	22.0	99	18	26	10/07/2025	17:39	LB137449
	Arsenic	20.0	19.0	105	16.2	21.9	10/07/2025	17:39	LB137449
	Barium	22.1	22.0	100	2	42	10/07/2025	17:39	LB137449
	Beryllium	21.7	19.0	114	16.2	21.9	10/07/2025	17:39	LB137449
	Cadmium	21.1	20.0	106	17	23	10/07/2025	17:39	LB137449
	Calcium	94400	100000	94	0	0	10/07/2025	17:39	LB137449
	Chromium	40.2	40.0	100	34	46	10/07/2025	17:39	LB137449
	Cobalt	21.5	20.0	108	17	23	10/07/2025	17:39	LB137449
	Copper	26.3	25.0	105	21	29	10/07/2025	17:39	LB137449
	Iron	96400	100000	96	0	0	10/07/2025	17:39	LB137449
	Lead	26.3	25.0	105	21.3	28.8	10/07/2025	17:39	LB137449
	Magnesium	88600	100000	89	0	0	10/07/2025	17:39	LB137449
	Manganese	25.7	27.0	95	23	31.1	10/07/2025	17:39	LB137449
	Nickel	25.8	24.0	108	20.4	27.6	10/07/2025	17:39	LB137449
	Potassium	96500	100000	96	0	0	10/07/2025	17:39	LB137449
	Selenium	19.8	19.0	104	9	29	10/07/2025	17:39	LB137449
	Silver	20.5	18.0	114	15.3	20.7	10/07/2025	17:39	LB137449
	Sodium	95900	100000	96	0	0	10/07/2025	17:39	LB137449
	Thallium	20.1	21.0	96	17.9	24.2	10/07/2025	17:39	LB137449

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

Lab Code: ACE

ICS Source: EPA

Instrument ID: P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	20.0	19.0	105	9	29	10/07/2025	17:39	LB137449
	Zinc	28.2	29.0	97	19	39	10/07/2025	17:39	LB137449



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	Tetra Tech, EMI	level:	low	sdg no.:	Q3291
contract:	TETR16			lab code:	ACE
matrix:	Water	sample id:	Q3291-05	client id:	MC0AX0MS

Percent Solids for Sample:	NA	Spiked ID:	Q3291-05MS	Percent Solids for Spike Sample:	NA
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Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.84		0.20	U	4.0	96		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Tetra Tech, EMI</u>	level:	<u>low</u>	sdg no.:	<u>Q3291</u>
contract:	<u>TETR16</u>			lab code:	<u>ACE</u>
matrix:	<u>Water</u>	sample id:	<u>Q3291-05</u>	client id:	<u>MC0AX0MSD</u>
Percent Solids for Sample:	NA	Spiked ID:	Q3291-05MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.29		0.20	U	4.0	82		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3291</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3291-07</u>	client id: <u>MC0AX2MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3291-07MS</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
Aluminum	ug/L	75 - 125	8240		21.0		10000	82		P
Antimony	ug/L	75 - 125	493		3.45		500	98		P
Arsenic	ug/L	75 - 125	550	D	43.0	D	500	101		P
Barium	ug/L	75 - 125	2220		13.9		2500	88		P
Beryllium	ug/L	75 - 125	488		1.00	U	500	98		P
Cadmium	ug/L	75 - 125	483		1.00	U	500	97		P
Calcium	ug/L	75 - 125	128000		87500		50000	82		P
Chromium	ug/L	75 - 125	447		0.83	J	500	89		P
Cobalt	ug/L	75 - 125	466		0.51	J	500	93		P
Copper	ug/L	75 - 125	4350		2.49		5000	87		P
Iron	ug/L	75 - 125	22500		849		25000	86		P
Lead	ug/L	75 - 125	2450		0.43	J	2500	98		P
Magnesium	ug/L	75 - 125	64700		17400		50000	95		P
Manganese	ug/L	75 - 125	4590		270		5000	86		P
Nickel	ug/L	75 - 125	462		2.03		500	92		P
Potassium	ug/L	75 - 125	35400		15300		25000	80		P
Selenium	ug/L	75 - 125	488	D	25.0	UD	500	97		P
Silver	ug/L	75 - 125	78.9		1.00	U	500	16	N	P
Sodium	ug/L	75 - 125	347000		324000		50000	45		P
Thallium	ug/L	75 - 125	476		0.16	J	500	95		P
Vanadium	ug/L	75 - 125	475		2.49	J	500	94		P
Zinc	ug/L	75 - 125	4360		5.06		5000	87		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3291</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3291-07</u>	client id: <u>MC0AX2MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3291-07MSD</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
Aluminum	ug/L	75 - 125	8080		21.0		10000	81		P
Antimony	ug/L	75 - 125	496		3.45		500	98		P
Arsenic	ug/L	75 - 125	531	D	43.0	D	500	98		P
Barium	ug/L	75 - 125	2200		13.9		2500	87		P
Beryllium	ug/L	75 - 125	482		1.00	U	500	96		P
Cadmium	ug/L	75 - 125	482		1.00	U	500	96		P
Calcium	ug/L	75 - 125	127000		87500		50000	80		P
Chromium	ug/L	75 - 125	447		0.83	J	500	89		P
Cobalt	ug/L	75 - 125	463		0.51	J	500	93		P
Copper	ug/L	75 - 125	4330		2.49		5000	87		P
Iron	ug/L	75 - 125	22100		849		25000	85		P
Lead	ug/L	75 - 125	2410		0.43	J	2500	96		P
Magnesium	ug/L	75 - 125	63700		17400		50000	93		P
Manganese	ug/L	75 - 125	4520		270		5000	85		P
Nickel	ug/L	75 - 125	461		2.03		500	92		P
Potassium	ug/L	75 - 125	35000		15300		25000	79		P
Selenium	ug/L	75 - 125	487	D	25.0	UD	500	97		P
Silver	ug/L	75 - 125	78.9		1.00	U	500	16	N	P
Sodium	ug/L	75 - 125	346000		324000		50000	43		P
Thallium	ug/L	75 - 125	480		0.16	J	500	96		P
Vanadium	ug/L	75 - 125	473		2.49	J	500	94		P
Zinc	ug/L	75 - 125	4230		5.06		5000	85		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>Tetra Tech, EMI</u>	SDG No.:	<u>Q3291</u>
Contract:	<u>TETR16</u>	Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Level:	<u>LOW</u>
Sample ID:	<u>Q3291-07</u>	Client ID:	<u>MC0AX2A</u>
	Spiked ID:	<u>Q3291-07A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	77.9		1.00	U	500	16	N	P

A
B
C
D
E
F
G
H

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech, EMI</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3291</u>
Contract:	<u>TETR16</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3291-05</u>	Client ID:	<u>MC0AX0DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3291-05DUP	Percent Solids for Spike Sample:	NA

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech, EMI</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3291</u>
Contract:	<u>TETR16</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3291-05MS</u>	Client ID:	<u>MC0AX0MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3291-05MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.84		3.29		15		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech, EMI</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3291</u>
Contract:	<u>TETR16</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3291-07</u>	Client ID:	<u>MC0AX2DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3291-07DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	21.0		20.8		1		P
Antimony	ug/L	20	3.45		3.53		2		P
Arsenic	ug/L	20	43.0	D	43.8	D	2		P
Barium	ug/L	20	13.9		14.1		1		P
Beryllium	ug/L	20	1.00	U	1.00	U			P
Cadmium	ug/L	20	1.00	U	1.00	U			P
Calcium	ug/L	20	87500		90000		3		P
Chromium	ug/L	20	0.83	J	0.78	J	6		P
Cobalt	ug/L	20	0.51	J	0.51	J	0		P
Copper	ug/L	20	2.49		2.65		6		P
Iron	ug/L	20	849		863		2		P
Lead	ug/L	20	0.43	J	0.34	J	23		P
Magnesium	ug/L	20	17400		17700		2		P
Manganese	ug/L	20	270		274		1		P
Nickel	ug/L	20	2.03		1.91		6		P
Potassium	ug/L	20	15300		15300		0		P
Selenium	ug/L	20	25.0	UD	25.0	UD			P
Silver	ug/L	20	1.00	U	1.00	U			P
Sodium	ug/L	20	324000		328000		1		P
Thallium	ug/L	20	0.16	J	0.15	J	6		P
Vanadium	ug/L	20	2.49	J	2.54	J	2		P
Zinc	ug/L	20	5.06		5.34		5		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech, EMI</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3291</u>
Contract:	<u>TETR16</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3291-07MS</u>	Client ID:	<u>MC0AX2MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3291-07MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	8240		8080		2		P
Antimony	ug/L	20	493		496		1		P
Arsenic	ug/L	20	550	D	531	D	4		P
Barium	ug/L	20	2220		2200		1		P
Beryllium	ug/L	20	488		482		1		P
Cadmium	ug/L	20	483		482		0		P
Calcium	ug/L	20	128000		127000		1		P
Chromium	ug/L	20	447		447		0		P
Cobalt	ug/L	20	466		463		1		P
Copper	ug/L	20	4350		4330		0		P
Iron	ug/L	20	22500		22100		2		P
Lead	ug/L	20	2450		2410		2		P
Magnesium	ug/L	20	64700		63700		2		P
Manganese	ug/L	20	4590		4520		2		P
Nickel	ug/L	20	462		461		0		P
Potassium	ug/L	20	35400		35000		1		P
Selenium	ug/L	20	488	D	487	D	0		P
Silver	ug/L	20	78.9		78.9		0		P
Sodium	ug/L	20	347000		346000		0		P
Thallium	ug/L	20	476		480		1		P
Vanadium	ug/L	20	475		473		0		P
Zinc	ug/L	20	4360		4230		3		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Tetra Tech, EMI</u>	SDG No.:	<u>Q3291</u>
Contract:	<u>TETR16</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170000BS							
Aluminum	ug/L	10000	10000		100	80 - 120	P
Antimony	ug/L	500	532		106	80 - 120	P
Arsenic	ug/L	500	503		101	80 - 120	P
Barium	ug/L	2500	2600		104	80 - 120	P
Beryllium	ug/L	500	513		103	80 - 120	P
Cadmium	ug/L	500	531		106	80 - 120	P
Calcium	ug/L	50000	48800		98	80 - 120	P
Chromium	ug/L	500	506		101	80 - 120	P
Cobalt	ug/L	500	511		102	80 - 120	P
Copper	ug/L	5000	5110		102	80 - 120	P
Iron	ug/L	25000	27000		108	80 - 120	P
Lead	ug/L	2500	2540		102	80 - 120	P
Magnesium	ug/L	50000	49000		98	80 - 120	P
Manganese	ug/L	5000	5100		102	80 - 120	P
Nickel	ug/L	500	511		102	80 - 120	P
Potassium	ug/L	25000	25400		102	80 - 120	P
Selenium	ug/L	500	518		104	80 - 120	P
Silver	ug/L	500	538		108	80 - 120	P
Sodium	ug/L	50000	50600		101	80 - 120	P
Thallium	ug/L	500	507		101	80 - 120	P
Vanadium	ug/L	500	502		100	80 - 120	P
Zinc	ug/L	5000	5100		102	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170005BS Mercury	ug/L	4.0	3.79		95	80 - 120	CV

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Tetra Tech, EMI

Contract: TETR16

Lab Code: ACE

SDG No.: Q3291

Instrument ID: P7

Start Date : 10/07/2025

Run Number: LB137449

End Date : 10/07/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1642	100		100		100		100		100	
S2	S2	1646	106		106		105		105		103	
S3	S3	1649	102		102		101		102		101	
S4	S4	1652	103		102		104		102		102	
S5	S5	1655	102		99		100		97		99	
S6	S6	1658	99		97		98		97		99	
S7	S7	1701	100		99		101		98		103	
S8	S8	1704	112		117		117		109		119	
ICV01	ICV01	1726	94		108		109		106		104	
LLICV01	LLICV01	1729	94		107		106		106		102	
ICB01	ICB01	1733	93		106		105		105		101	
ICSA01	ICSA01	1736	92		105		107		102		105	
ICSAB01	ICSAB01	1739	91		108		111		107		106	
CCV01	CCV01	1742	92		108		111		104		106	
CCB01	CCB01	1745	90		107		108		107		105	
CRI01	CRI01	1748	91		108		109		107		103	
PB170000BL	PB170000BL	1751	90		107		108		107		103	
PB170000BS	PB170000BS	1755	93		107		109		106		104	
Q3291-05	MC0AX0	1757	105		124		127		121		121	
Q3291-06	MC0AX1	1801	107		128		130		124		124	
Q3291-07	MC0AX2	1804	107		127		130		124		123	
Q3291-07DUP	MC0AX2DUP	1807	107		127		131	*	124		123	
Q3291-07L	MC0AX2L	1810	91		107		111		111		110	
Q3291-07MS	MC0AX2MS	1814	102		121		125		117		117	
Q3291-07MSD	MC0AX2MSD	1816	104		123		126		120		120	
CCV02	CCV02	1819	92		108		110		103		106	
CCB02	CCB02	1822	92		106		109		107		103	
Q3291-07A	MC0AX2A	1825	105		122		125		118		120	
Q3291-08	MC0AX3	1828	108		128		131	*	125		125	
Q3291-06	MC0AX1	1831	94		109		113		114		112	
Q3291-07	MC0AX2	1835	94		109		111		111		110	
Q3291-07DUP	MC0AX2DUP	1838	95		109		111		110		108	
Q3291-07L	MC0AX2L	1841	93		106		109		109		105	
Q3291-07MS	MC0AX2MS	1844	96		109		112		109		108	
Q3291-07MSD	MC0AX2MSD	1848	96		110		113		109		109	
Q3291-07A	MC0AX2A	1851	95		109		112		110		107	

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Tetra Tech, EMI

Contract: TETR16

Lab Code: ACE

SDG No.: Q3291

Instrument ID: P7

Start Date : 10/07/2025

Run Number: LB137449

End Date : 10/07/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q3291-08	MC0AX3	1854	97		112		116		112		109	
CCV03	CCV03	1857	93		106		109		102		104	
CCB03	CCB03	1909	89		105		107		106		101	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Tetra Tech, EMI

Contract: TETR16

Lab Code: ACE

SDG No.: Q3291

Instrument ID: P7

Start Date : 10/07/2025

Run Number: LB137449

End Date : 10/07/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1642	100		100		100		100		100	
S2	S2	1646	100		103		100		102		101	
S3	S3	1649	102		102		101		102		102	
S4	S4	1652	100		100		99		101		98	
S5	S5	1655	99		101		100		100		102	
S6	S6	1658	98		100		97		100		100	
S7	S7	1701	99		101		98		103		103	
S8	S8	1704	118		122		111		118		118	
ICV01	ICV01	1726	107		111		108		108		108	
LLICV01	LLICV01	1729	105		109		108		105		105	
ICB01	ICB01	1733	105		109		106		104		106	
ICSA01	ICSA01	1736	104		108		104		106		104	
ICSAB01	ICSAB01	1739	106		110		105		107		107	
CCV01	CCV01	1742	107		110		104		107		106	
CCB01	CCB01	1745	104		110		108		104		103	
CRI01	CRI01	1748	104		108		107		105		104	
PB170000BL	PB170000BL	1751	104		109		107		105		103	
PB170000BS	PB170000BS	1755	105		108		105		106		106	
Q3291-05	MC0AX0	1757	123		129		124		124		123	
Q3291-06	MC0AX1	1801	123		130		124		124		124	
Q3291-07	MC0AX2	1804	125		131	*	124		124		123	
Q3291-07DUP	MC0AX2DUP	1807	124		130		124		125		125	
Q3291-07L	MC0AX2L	1810	108		114		110		110		109	
Q3291-07MS	MC0AX2MS	1814	120		124		119		120		119	
Q3291-07MSD	MC0AX2MSD	1816	122		125		119		121		119	
CCV02	CCV02	1819	107		110		105		109		108	
CCB02	CCB02	1822	105		109		109		107		106	
Q3291-07A	MC0AX2A	1825	121		126		119		121		122	
Q3291-08	MC0AX3	1828	127		132	*	127		128		126	
Q3291-06	MC0AX1	1831	110		115		113		110		109	
Q3291-07	MC0AX2	1835	110		114		114		112		112	
Q3291-07DUP	MC0AX2DUP	1838	110		114		114		111		110	
Q3291-07L	MC0AX2L	1841	107		113		112		109		107	
Q3291-07MS	MC0AX2MS	1844	109		115		112		111		110	
Q3291-07MSD	MC0AX2MSD	1848	109		116		113		111		111	
Q3291-07A	MC0AX2A	1851	110		115		113		112		111	

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Tetra Tech, EMI

Contract: TETR16

Lab Code: ACE

SDG No.: Q3291

Instrument ID: P7

Start Date : 10/07/2025

Run Number: LB137449

End Date : 10/07/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q3291-08	MC0AX3	1854	113		118		116		114		113	
CCV03	CCV03	1857	106		111		105		106		106	
CCB03	CCB03	1909	103		108		107		105		104	

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Tetra Tech, EMI

Contract: TETR16

Lab Code: ACE

SDG No.: Q3291

Instrument ID: P7

Start Date : 10/07/2025

Run Number: LB137449

End Date : 10/07/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1642	100		100							
S2	S2	1646	106		106							
S3	S3	1649	102		102							
S4	S4	1652	105		103							
S5	S5	1655	100		100							
S6	S6	1658	101		100							
S7	S7	1701	105		103							
S8	S8	1704	120		109							
ICV01	ICV01	1726	105		103							
LLICV01	LLICV01	1729	104		103							
ICB01	ICB01	1733	103		102							
ICSA01	ICSA01	1736	106		101							
ICSAB01	ICSAB01	1739	108		101							
CCV01	CCV01	1742	108		101							
CCB01	CCB01	1745	104		102							
CRI01	CRI01	1748	105		101							
PB170000BL	PB170000BL	1751	102		101							
PB170000BS	PB170000BS	1755	107		103							
Q3291-05	MC0AX0	1757	123		115							
Q3291-06	MC0AX1	1801	124		117							
Q3291-07	MC0AX2	1804	126		117							
Q3291-07DUP	MC0AX2DUP	1807	125		118							
Q3291-07L	MC0AX2L	1810	105		103							
Q3291-07MS	MC0AX2MS	1814	121		112							
Q3291-07MSD	MC0AX2MSD	1816	122		114							
CCV02	CCV02	1819	108		100							
CCB02	CCB02	1822	104		104							
Q3291-07A	MC0AX2A	1825	120		114							
Q3291-08	MC0AX3	1828	127		119							
Q3291-06	MC0AX1	1831	110		105							
Q3291-07	MC0AX2	1835	108		102							
Q3291-07DUP	MC0AX2DUP	1838	109		105							
Q3291-07L	MC0AX2L	1841	107		104							
Q3291-07MS	MC0AX2MS	1844	107		105							

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Tetra Tech, EMI

Contract: TETR16

Lab Code: ACE

SDG No.: Q3291

Instrument ID: P7

Start Date : 10/07/2025

Run Number: LB137449

End Date : 10/07/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q3291-07MSD	MC0AX2MSD	1848	109		106							
Q3291-07A	MC0AX2A	1851	109		105							
Q3291-08	MC0AX3	1854	111		108							
CCV03	CCV03	1857	106		100							
CCB03	CCB03	1909	102		100							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Tetra Tech, EMI

Contract: TETR16

Lab Code: ACE

SDG No.: Q3291

Instrument ID: P7

Start Date : 10/07/2025

Run Number: LB137449

End Date : 10/07/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1642	100									
S2	S2	1646	100									
S3	S3	1649	102									
S4	S4	1652	98									
S5	S5	1655	100									
S6	S6	1658	98									
S7	S7	1701	101									
S8	S8	1704	109									
ICV01	ICV01	1726	106									
LLICV01	LLICV01	1729	104									
ICB01	ICB01	1733	103									
ICSA01	ICSA01	1736	101									
ICSAB01	ICSAB01	1739	101									
CCV01	CCV01	1742	99									
CCB01	CCB01	1745	103									
CRI01	CRI01	1748	101									
PB170000BL	PB170000BL	1751	102									
PB170000BS	PB170000BS	1755	102									
Q3291-05	MC0AX0	1757	117									
Q3291-06	MC0AX1	1801	116									
Q3291-07	MC0AX2	1804	118									
Q3291-07DUP	MC0AX2DUP	1807	117									
Q3291-07L	MC0AX2L	1810	107									
Q3291-07MS	MC0AX2MS	1814	115									
Q3291-07MSD	MC0AX2MSD	1816	114									
CCV02	CCV02	1819	100									
CCB02	CCB02	1822	105									
Q3291-07A	MC0AX2A	1825	115									
Q3291-08	MC0AX3	1828	120									
Q3291-06	MC0AX1	1831	106									
Q3291-07	MC0AX2	1835	109									
Q3291-07DUP	MC0AX2DUP	1838	107									
Q3291-07L	MC0AX2L	1841	107									
Q3291-07MS	MC0AX2MS	1844	108									

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Tetra Tech, EMI

Contract: TETR16

Lab Code: ACE

SDG No.: Q3291

Instrument ID: P7

Start Date : 10/07/2025

Run Number: LB137449

End Date : 10/07/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q3291-07MSD	MC0AX2MSD	1848	108									
Q3291-07A	MC0AX2A	1851	108									
Q3291-08	MC0AX3	1854	110									
CCV03	CCV03	1857	101									
CCB03	CCB03	1909	103									

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

MC0AX0L

Lab Name: Alliance

Contract: TETR16

Lab Code: ACE

Lb No.: lb137441

Lab Sample ID : Q3291-05L

SDG No.: Q3291

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

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

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

MC0AX2L

Lab Name: Alliance

Contract: TETR16

Lab Code: ACE Lb No.: lb137449 Lab Sample ID : Q3291-07L SDG No.: Q3291

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
Aluminum	21.0		18.1	J	14		P
Antimony	3.45		3.35	J	3		P
Arsenic	43.0	D	44.3	D	3		P
Barium	13.9		13.3	J	5		P
Beryllium	1.00	U	5.00	U			P
Cadmium	1.00	U	5.00	U			P
Calcium	87500		88000		1		P
Chromium	0.83	J	10.0	U	100.0		P
Cobalt	0.51	J	0.35	J	31		P
Copper	2.49		3.45	J	39		P
Iron	849		809		5		P
Lead	0.43	J	5.00	U	100.0		P
Magnesium	17400		16600		5		P
Manganese	270		267		1		P
Nickel	2.03		2.15	J	6		P
Potassium	15300		15500		2		P
Selenium	25.0	UD	125	UD			P
Silver	1.00	U	5.00	U			P
Sodium	324000		320000		1		P
Thallium	0.16	J	5.00	U	100.0		P
Vanadium	2.49	J	2.30	J	8		P
Zinc	5.06		25.0	U	100.0		P



METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

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: PB170000							
PB170000BL	PB170000BL	MB	WATER	10/06/2025	50.0	50.0	
PB170000BS	PB170000BS	LCS	WATER	10/06/2025	50.0	50.0	
Q3291-05	MC0AX0	SAM	WATER	10/06/2025	50.0	50.0	
Q3291-06	MC0AX1	SAM	WATER	10/06/2025	50.0	50.0	
Q3291-07	MC0AX2	SAM	WATER	10/06/2025	50.0	50.0	
Q3291-07DUP	MC0AX2DUP	DUP	WATER	10/06/2025	50.0	50.0	
Q3291-07MS	MC0AX2MS	MS	WATER	10/06/2025	50.0	50.0	
Q3291-07MSD	MC0AX2MSD	MSD	WATER	10/06/2025	50.0	50.0	
Q3291-08	MC0AX3	SAM	WATER	10/06/2025	50.0	50.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

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: PB170005							
PB170005BL	PB170005BL	MB	WATER	10/06/2025	30.0	30.0	
PB170005BS	PB170005BS	LCS	WATER	10/06/2025	30.0	30.0	
Q3291-05	MC0AX0	SAM	WATER	10/06/2025	30.0	30.0	
Q3291-05DUP	MC0AX0DUP	DUP	WATER	10/06/2025	30.0	30.0	
Q3291-05MS	MC0AX0MS	MS	WATER	10/06/2025	30.0	30.0	
Q3291-05MSD	MC0AX0MSD	MSD	WATER	10/06/2025	30.0	30.0	
Q3291-06	MC0AX1	SAM	WATER	10/06/2025	30.0	30.0	
Q3291-07	MC0AX2	SAM	WATER	10/06/2025	30.0	30.0	
Q3291-08	MC0AX3	SAM	WATER	10/06/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: Tetra Tech, EMI

Contract: TETR16

Lab code: ACE

Sdg no.: Q3291

Instrument id number: _____

Method: _____

Run number: LB137441

Start date: 10/07/2025

End date: 10/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0947	HG
S0.2	S0.2	1	0949	HG
S2.5	S2.5	1	0952	HG
S5	S5	1	0954	HG
S7.5	S7.5	1	0956	HG
S10	S10	1	1001	HG
ICV61	ICV61	1	1004	HG
ICB61	ICB61	1	1006	HG
CCV90	CCV90	1	1009	HG
CCB90	CCB90	1	1011	HG
CRA	CRA	1	1013	HG
CCV91	CCV91	1	1045	HG
CCB91	CCB91	1	1047	HG
PB170005BL	PB170005BL	1	1109	HG
PB170005BS	PB170005BS	1	1111	HG
CCV92	CCV92	1	1113	HG
CCB92	CCB92	1	1116	HG
Q3291-05	MC0AX0	1	1118	HG
Q3291-05DUP	MC0AX0DUP	1	1120	HG
Q3291-05MS	MC0AX0MS	1	1122	HG
Q3291-05MSD	MC0AX0MSD	1	1125	HG
Q3291-06	MC0AX1	1	1127	HG
Q3291-07	MC0AX2	1	1129	HG
Q3291-08	MC0AX3	1	1132	HG
CCV93	CCV93	1	1137	HG
CCB93	CCB93	1	1139	HG
Q3291-05L	MC0AX0L	5	1148	HG
CCV94	CCV94	1	1153	HG
CCB94	CCB94	1	1157	HG

metals
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ANALYSIS RUN LOG

Client: Tetra Tech, EMI

Contract: TETR16

Lab code: ACE

Sdg no.: Q3291

Instrument id number:

Method:

Run number: LB137449

Start date: 10/07/2025

End date: 10/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1642	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1646	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1649	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1652	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1655	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1658	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1701	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1704	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1726	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1729	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1733	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1736	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1739	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1742	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1745	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1748	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170000BL	PB170000BL	1	1751	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170000BS	PB170000BS	1	1755	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3291-05	MC0AX0	1	1757	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3291-06	MC0AX1	1	1801	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3291-07	MC0AX2	1	1804	Ag,Al,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3291-07DUP	MC0AX2DUP	1	1807	Ag,Al,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3291-07L	MC0AX2L	5	1810	Ag,Al,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3291-07MS	MC0AX2MS	1	1814	Ag,Al,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3291-07MSD	MC0AX2MSD	1	1816	Ag,Al,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
CCV02	CCV02	1	1819	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1822	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3291-07A	MC0AX2A	1	1825	Ag
Q3291-08	MC0AX3	1	1828	Ag,Al,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3291-07	MC0AX2	5	1835	As,Se
Q3291-07DUP	MC0AX2DUP	5	1838	As,Se
Q3291-07L	MC0AX2L	25	1841	As,Se
Q3291-07MS	MC0AX2MS	5	1844	As,Se
Q3291-07MSD	MC0AX2MSD	5	1848	As,Se
Q3291-08	MC0AX3	5	1854	As,Se
CCV03	CCV03	1	1857	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1909	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn