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

LAB CHRONICLE

OrderID:	Q3179	**OrderDate:**	9/24/2025 11:08:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 916
Contact:	Smita Sumbaly	**Location:**	J42

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3179-01	**EME-TS14-01**	**Water**			**09/23/25**			**09/23/25**
			SPLP ICP Metals	6010D		09/25/25	09/29/25	
			SPLP Mercury	7470A		09/25/25	09/25/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3179 **Order ID:** Q3179

Client: Weston Solutions, Inc. **Project ID:** RFP 916

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EME-TS14-01								
Q3179-01	EME-TS14-01	Water	Aluminum	283		5.67	50.0	ug/L
Q3179-01	EME-TS14-01	Water	Barium	130		7.28	50.0	ug/L
Q3179-01	EME-TS14-01	Water	Cadmium	0.95	J	0.25	3.00	ug/L
Q3179-01	EME-TS14-01	Water	Calcium	152000		117	1000	ug/L
Q3179-01	EME-TS14-01	Water	Chromium	3.87	J	1.06	5.00	ug/L
Q3179-01	EME-TS14-01	Water	Copper	4.32	J	2.30	10.0	ug/L
Q3179-01	EME-TS14-01	Water	Iron	51.1		11.7	50.0	ug/L
Q3179-01	EME-TS14-01	Water	Magnesium	18500		122	1000	ug/L
Q3179-01	EME-TS14-01	Water	Manganese	3940		2.97	10.0	ug/L
Q3179-01	EME-TS14-01	Water	Nickel	2.26	J	1.53	20.0	ug/L
Q3179-01	EME-TS14-01	Water	Potassium	11200		459	1000	ug/L
Q3179-01	EME-TS14-01	Water	Sodium	5990		434	1000	ug/L
Q3179-01	EME-TS14-01	Water	Zinc	64.5		8.33	20.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01	SDG No.:	Q3179
Lab Sample ID:	Q3179-01	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	283		1	5.67	50.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-36-0	Antimony	3.38	U	1	3.38	25.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-39-3	Barium	130		1	7.28	50.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-43-9	Cadmium	0.95	J	1	0.25	3.00	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-70-2	Calcium	152000		1	117	1000	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-47-3	Chromium	3.87	J	1	1.06	5.00	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-50-8	Copper	4.32	J	1	2.30	10.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7439-89-6	Iron	51.1		1	11.7	50.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7439-92-1	Lead	1.15	U	1	1.15	6.00	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7439-95-4	Magnesium	18500		1	122	1000	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7439-96-5	Manganese	3940		1	2.97	10.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	09/25/25 12:15	09/25/25 15:50	7470A	
7440-02-0	Nickel	2.26	J	1	1.53	20.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-09-7	Potassium	11200		1	459	1000	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-22-4	Silver	0.81	U	1	0.81	5.00	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-23-5	Sodium	5990	N	1	434	1000	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010
7440-66-6	Zinc	64.5		1	8.33	20.0	ug/L	09/25/25 12:30	09/29/25 18:22	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	SPLP Metals				

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

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

METAL CALIBRATION DATA

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **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
ICV47	Mercury	3.86	4.0	96	90 - 110	CV	09/25/2025	14:52	LB137307

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **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
CCV42	Mercury	5.03	5.0	101	90 - 110	CV	09/25/2025	14:58	LB137307
CCV43	Mercury	4.89	5.0	98	90 - 110	CV	09/25/2025	15:31	LB137307
CCV44	Mercury	4.77	5.0	96	90 - 110	CV	09/25/2025	15:59	LB137307
CCV45	Mercury	4.87	5.0	98	90 - 110	CV	09/25/2025	16:21	LB137307

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7660	8000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Antimony	3870	4000	97	90 - 110	P	09/29/2025	12:55	LB137351
	Arsenic	3770	4000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Barium	7740	8000	97	90 - 110	P	09/29/2025	12:55	LB137351
	Beryllium	188	200	94	90 - 110	P	09/29/2025	12:55	LB137351
	Cadmium	1890	2000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Calcium	19100	20000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Chromium	768	800	96	90 - 110	P	09/29/2025	12:55	LB137351
	Cobalt	1890	2000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Copper	961	1000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Iron	3860	4000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Lead	3690	4000	92	90 - 110	P	09/29/2025	12:55	LB137351
	Magnesium	19100	20000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Manganese	1930	2000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Nickel	1890	2000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Potassium	19000	20000	95	90 - 110	P	09/29/2025	12:55	LB137351
	Selenium	3750	4000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Silver	970	1000	97	90 - 110	P	09/29/2025	12:55	LB137351
	Sodium	19000	20000	95	90 - 110	P	09/29/2025	12:55	LB137351
	Thallium	3710	4000	93	90 - 110	P	09/29/2025	12:55	LB137351
	Vanadium	1910	2000	95	90 - 110	P	09/29/2025	12:55	LB137351
	Zinc	1900	2000	95	90 - 110	P	09/29/2025	12:55	LB137351

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	111	100	111	80 - 120	P	09/29/2025	12:59	LB137351
	Antimony	52.7	50.0	105	80 - 120	P	09/29/2025	12:59	LB137351
	Arsenic	21.6	20.0	108	80 - 120	P	09/29/2025	12:59	LB137351
	Barium	102	100	102	80 - 120	P	09/29/2025	12:59	LB137351
	Beryllium	6.37	6.0	106	80 - 120	P	09/29/2025	12:59	LB137351
	Cadmium	6.29	6.0	105	80 - 120	P	09/29/2025	12:59	LB137351
	Calcium	2090	2000	105	80 - 120	P	09/29/2025	12:59	LB137351
	Chromium	10.3	10.0	103	80 - 120	P	09/29/2025	12:59	LB137351
	Cobalt	30.6	30.0	102	80 - 120	P	09/29/2025	12:59	LB137351
	Copper	21.5	20.0	107	80 - 120	P	09/29/2025	12:59	LB137351
	Iron	104	100	104	80 - 120	P	09/29/2025	12:59	LB137351
	Lead	13.4	12.0	112	80 - 120	P	09/29/2025	12:59	LB137351
	Magnesium	2160	2000	108	80 - 120	P	09/29/2025	12:59	LB137351
	Manganese	21.5	20.0	108	80 - 120	P	09/29/2025	12:59	LB137351
	Nickel	41.9	40.0	105	80 - 120	P	09/29/2025	12:59	LB137351
	Potassium	2000	2000	100	80 - 120	P	09/29/2025	12:59	LB137351
	Selenium	22.5	20.0	113	80 - 120	P	09/29/2025	12:59	LB137351
	Silver	10.1	10.0	101	80 - 120	P	09/29/2025	12:59	LB137351
	Sodium	2080	2000	104	80 - 120	P	09/29/2025	12:59	LB137351
	Thallium	42.7	40.0	107	80 - 120	P	09/29/2025	12:59	LB137351
	Vanadium	37.9	40.0	95	80 - 120	P	09/29/2025	12:59	LB137351
	Zinc	43.4	40.0	109	80 - 120	P	09/29/2025	12:59	LB137351

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9800	10000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Antimony	5010	5000	100	90 - 110	P	09/29/2025	13:42	LB137351
	Arsenic	5040	5000	101	90 - 110	P	09/29/2025	13:42	LB137351
	Barium	9840	10000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Beryllium	229	250	92	90 - 110	P	09/29/2025	13:42	LB137351
	Cadmium	2480	2500	99	90 - 110	P	09/29/2025	13:42	LB137351
	Calcium	24500	25000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Chromium	994	1000	99	90 - 110	P	09/29/2025	13:42	LB137351
	Cobalt	2450	2500	98	90 - 110	P	09/29/2025	13:42	LB137351
	Copper	1240	1250	99	90 - 110	P	09/29/2025	13:42	LB137351
	Iron	5180	5000	104	90 - 110	P	09/29/2025	13:42	LB137351
	Lead	4900	5000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Magnesium	24500	25000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Manganese	2430	2500	97	90 - 110	P	09/29/2025	13:42	LB137351
	Nickel	2460	2500	98	90 - 110	P	09/29/2025	13:42	LB137351
	Potassium	25700	25000	103	90 - 110	P	09/29/2025	13:42	LB137351
	Selenium	5120	5000	102	90 - 110	P	09/29/2025	13:42	LB137351
	Silver	1230	1250	99	90 - 110	P	09/29/2025	13:42	LB137351
	Sodium	25700	25000	103	90 - 110	P	09/29/2025	13:42	LB137351
	Thallium	4710	5000	94	90 - 110	P	09/29/2025	13:42	LB137351
	Vanadium	2440	2500	98	90 - 110	P	09/29/2025	13:42	LB137351
	Zinc	2480	2500	99	90 - 110	P	09/29/2025	13:42	LB137351
CCV02	Aluminum	9740	10000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Antimony	4960	5000	99	90 - 110	P	09/29/2025	14:51	LB137351
	Arsenic	4970	5000	99	90 - 110	P	09/29/2025	14:51	LB137351
	Barium	9680	10000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Beryllium	236	250	94	90 - 110	P	09/29/2025	14:51	LB137351
	Cadmium	2440	2500	98	90 - 110	P	09/29/2025	14:51	LB137351
	Calcium	24300	25000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Chromium	984	1000	98	90 - 110	P	09/29/2025	14:51	LB137351
	Cobalt	2420	2500	97	90 - 110	P	09/29/2025	14:51	LB137351
	Copper	1220	1250	98	90 - 110	P	09/29/2025	14:51	LB137351
	Iron	4940	5000	99	90 - 110	P	09/29/2025	14:51	LB137351
	Lead	4840	5000	97	90 - 110	P	09/29/2025	14:51	LB137351

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24300	25000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Manganese	2410	2500	96	90 - 110	P	09/29/2025	14:51	LB137351
	Nickel	2430	2500	97	90 - 110	P	09/29/2025	14:51	LB137351
	Potassium	24900	25000	100	90 - 110	P	09/29/2025	14:51	LB137351
	Selenium	5050	5000	101	90 - 110	P	09/29/2025	14:51	LB137351
	Silver	1220	1250	97	90 - 110	P	09/29/2025	14:51	LB137351
	Sodium	24300	25000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Thallium	4620	5000	92	90 - 110	P	09/29/2025	14:51	LB137351
	Vanadium	2430	2500	97	90 - 110	P	09/29/2025	14:51	LB137351
	Zinc	2410	2500	97	90 - 110	P	09/29/2025	14:51	LB137351
CCV03	Aluminum	9740	10000	97	90 - 110	P	09/29/2025	15:53	LB137351
	Antimony	4970	5000	100	90 - 110	P	09/29/2025	15:53	LB137351
	Arsenic	4960	5000	99	90 - 110	P	09/29/2025	15:53	LB137351
	Barium	9450	10000	94	90 - 110	P	09/29/2025	15:53	LB137351
	Beryllium	235	250	94	90 - 110	P	09/29/2025	15:53	LB137351
	Cadmium	2440	2500	98	90 - 110	P	09/29/2025	15:53	LB137351
	Calcium	24100	25000	96	90 - 110	P	09/29/2025	15:53	LB137351
	Chromium	982	1000	98	90 - 110	P	09/29/2025	15:53	LB137351
	Cobalt	2420	2500	97	90 - 110	P	09/29/2025	15:53	LB137351
	Copper	1230	1250	98	90 - 110	P	09/29/2025	15:53	LB137351
	Iron	4890	5000	98	90 - 110	P	09/29/2025	15:53	LB137351
	Lead	4830	5000	97	90 - 110	P	09/29/2025	15:53	LB137351
	Magnesium	24200	25000	97	90 - 110	P	09/29/2025	15:53	LB137351
	Manganese	2370	2500	95	90 - 110	P	09/29/2025	15:53	LB137351
	Nickel	2430	2500	97	90 - 110	P	09/29/2025	15:53	LB137351
	Potassium	24000	25000	96	90 - 110	P	09/29/2025	15:53	LB137351
	Selenium	5030	5000	101	90 - 110	P	09/29/2025	15:53	LB137351
	Silver	1210	1250	97	90 - 110	P	09/29/2025	15:53	LB137351
	Sodium	24100	25000	96	90 - 110	P	09/29/2025	15:53	LB137351
	Thallium	4560	5000	91	90 - 110	P	09/29/2025	15:53	LB137351
	Vanadium	2420	2500	97	90 - 110	P	09/29/2025	15:53	LB137351
	Zinc	2420	2500	97	90 - 110	P	09/29/2025	15:53	LB137351
CCV04	Aluminum	9700	10000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Antimony	4890	5000	98	90 - 110	P	09/29/2025	16:44	LB137351

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **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
CCV04	Arsenic	4870	5000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Barium	9520	10000	95	90 - 110	P	09/29/2025	16:44	LB137351
	Beryllium	231	250	92	90 - 110	P	09/29/2025	16:44	LB137351
	Cadmium	2410	2500	96	90 - 110	P	09/29/2025	16:44	LB137351
	Calcium	24000	25000	96	90 - 110	P	09/29/2025	16:44	LB137351
	Chromium	969	1000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Cobalt	2390	2500	96	90 - 110	P	09/29/2025	16:44	LB137351
	Copper	1210	1250	96	90 - 110	P	09/29/2025	16:44	LB137351
	Iron	4820	5000	96	90 - 110	P	09/29/2025	16:44	LB137351
	Lead	4780	5000	96	90 - 110	P	09/29/2025	16:44	LB137351
	Magnesium	24200	25000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Manganese	2380	2500	95	90 - 110	P	09/29/2025	16:44	LB137351
	Nickel	2390	2500	96	90 - 110	P	09/29/2025	16:44	LB137351
	Potassium	25100	25000	100	90 - 110	P	09/29/2025	16:44	LB137351
	Selenium	4930	5000	99	90 - 110	P	09/29/2025	16:44	LB137351
	Silver	1190	1250	95	90 - 110	P	09/29/2025	16:44	LB137351
	Sodium	24300	25000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Thallium	4750	5000	95	90 - 110	P	09/29/2025	16:44	LB137351
	Vanadium	2410	2500	96	90 - 110	P	09/29/2025	16:44	LB137351
	Zinc	2380	2500	95	90 - 110	P	09/29/2025	16:44	LB137351
CCV05	Aluminum	9620	10000	96	90 - 110	P	09/29/2025	17:36	LB137351
	Antimony	4920	5000	98	90 - 110	P	09/29/2025	17:36	LB137351
	Arsenic	4910	5000	98	90 - 110	P	09/29/2025	17:36	LB137351
	Barium	9290	10000	93	90 - 110	P	09/29/2025	17:36	LB137351
	Beryllium	236	250	94	90 - 110	P	09/29/2025	17:36	LB137351
	Cadmium	2410	2500	97	90 - 110	P	09/29/2025	17:36	LB137351
	Calcium	23800	25000	95	90 - 110	P	09/29/2025	17:36	LB137351
	Chromium	988	1000	99	90 - 110	P	09/29/2025	17:36	LB137351
	Cobalt	2400	2500	96	90 - 110	P	09/29/2025	17:36	LB137351
	Copper	1210	1250	97	90 - 110	P	09/29/2025	17:36	LB137351
	Iron	4920	5000	98	90 - 110	P	09/29/2025	17:36	LB137351
	Lead	4790	5000	96	90 - 110	P	09/29/2025	17:36	LB137351
	Magnesium	23900	25000	96	90 - 110	P	09/29/2025	17:36	LB137351
	Manganese	2360	2500	94	90 - 110	P	09/29/2025	17:36	LB137351

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2400	2500	96	90 - 110	P	09/29/2025	17:36	LB137351
	Potassium	26200	25000	105	90 - 110	P	09/29/2025	17:36	LB137351
	Selenium	4980	5000	100	90 - 110	P	09/29/2025	17:36	LB137351
	Silver	1230	1250	98	90 - 110	P	09/29/2025	17:36	LB137351
	Sodium	25100	25000	100	90 - 110	P	09/29/2025	17:36	LB137351
	Thallium	4690	5000	94	90 - 110	P	09/29/2025	17:36	LB137351
	Vanadium	2400	2500	96	90 - 110	P	09/29/2025	17:36	LB137351
	Zinc	2440	2500	98	90 - 110	P	09/29/2025	17:36	LB137351
CCV06	Aluminum	9720	10000	97	90 - 110	P	09/29/2025	18:27	LB137351
	Antimony	4780	5000	96	90 - 110	P	09/29/2025	18:27	LB137351
	Arsenic	4720	5000	94	90 - 110	P	09/29/2025	18:27	LB137351
	Barium	9590	10000	96	90 - 110	P	09/29/2025	18:27	LB137351
	Beryllium	236	250	94	90 - 110	P	09/29/2025	18:27	LB137351
	Cadmium	2370	2500	95	90 - 110	P	09/29/2025	18:27	LB137351
	Calcium	24200	25000	97	90 - 110	P	09/29/2025	18:27	LB137351
	Chromium	954	1000	95	90 - 110	P	09/29/2025	18:27	LB137351
	Cobalt	2380	2500	95	90 - 110	P	09/29/2025	18:27	LB137351
	Copper	1190	1250	95	90 - 110	P	09/29/2025	18:27	LB137351
	Iron	4610	5000	92	90 - 110	P	09/29/2025	18:27	LB137351
	Lead	4720	5000	94	90 - 110	P	09/29/2025	18:27	LB137351
	Magnesium	24200	25000	97	90 - 110	P	09/29/2025	18:27	LB137351
	Manganese	2430	2500	97	90 - 110	P	09/29/2025	18:27	LB137351
	Nickel	2360	2500	94	90 - 110	P	09/29/2025	18:27	LB137351
	Potassium	23700	25000	95	90 - 110	P	09/29/2025	18:27	LB137351
	Selenium	4750	5000	95	90 - 110	P	09/29/2025	18:27	LB137351
	Silver	1160	1250	93	90 - 110	P	09/29/2025	18:27	LB137351
	Sodium	22600	25000	90	90 - 110	P	09/29/2025	18:27	LB137351
	Thallium	4700	5000	94	90 - 110	P	09/29/2025	18:27	LB137351
	Vanadium	2430	2500	97	90 - 110	P	09/29/2025	18:27	LB137351
	Zinc	2340	2500	94	90 - 110	P	09/29/2025	18:27	LB137351
CCV07	Aluminum	9620	10000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Antimony	4870	5000	97	90 - 110	P	09/29/2025	19:00	LB137351
	Arsenic	4820	5000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Barium	9370	10000	94	90 - 110	P	09/29/2025	19:00	LB137351

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **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
CCV07	Beryllium	232	250	93	90 - 110	P	09/29/2025	19:00	LB137351
	Cadmium	2390	2500	96	90 - 110	P	09/29/2025	19:00	LB137351
	Calcium	23900	25000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Chromium	963	1000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Cobalt	2390	2500	96	90 - 110	P	09/29/2025	19:00	LB137351
	Copper	1210	1250	96	90 - 110	P	09/29/2025	19:00	LB137351
	Iron	4780	5000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Lead	4730	5000	95	90 - 110	P	09/29/2025	19:00	LB137351
	Magnesium	23800	25000	95	90 - 110	P	09/29/2025	19:00	LB137351
	Manganese	2380	2500	95	90 - 110	P	09/29/2025	19:00	LB137351
	Nickel	2390	2500	96	90 - 110	P	09/29/2025	19:00	LB137351
	Potassium	23800	25000	95	90 - 110	P	09/29/2025	19:00	LB137351
	Selenium	4870	5000	97	90 - 110	P	09/29/2025	19:00	LB137351
	Silver	1190	1250	96	90 - 110	P	09/29/2025	19:00	LB137351
	Sodium	23300	25000	93	90 - 110	P	09/29/2025	19:00	LB137351
	Thallium	4540	5000	91	90 - 110	P	09/29/2025	19:00	LB137351
	Vanadium	2400	2500	96	90 - 110	P	09/29/2025	19:00	LB137351
	Zinc	2400	2500	96	90 - 110	P	09/29/2025	19:00	LB137351

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **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	0.15	0.2	77	70 - 130	CV	09/25/2025	15:03	LB137307
CRI01	Aluminum	91.3	100	91	65 - 135	P	09/29/2025	13:08	LB137351
	Antimony	51.4	50.0	103	65 - 135	P	09/29/2025	13:08	LB137351
	Arsenic	21.9	20.0	110	65 - 135	P	09/29/2025	13:08	LB137351
	Barium	97.6	100	98	65 - 135	P	09/29/2025	13:08	LB137351
	Beryllium	6.38	6.0	106	65 - 135	P	09/29/2025	13:08	LB137351
	Cadmium	6.00	6.0	100	65 - 135	P	09/29/2025	13:08	LB137351
	Calcium	2060	2000	103	65 - 135	P	09/29/2025	13:08	LB137351
	Chromium	9.91	10.0	99	65 - 135	P	09/29/2025	13:08	LB137351
	Cobalt	30.2	30.0	101	65 - 135	P	09/29/2025	13:08	LB137351
	Copper	21.0	20.0	105	65 - 135	P	09/29/2025	13:08	LB137351
	Iron	102	100	102	65 - 135	P	09/29/2025	13:08	LB137351
	Lead	13.2	12.0	110	65 - 135	P	09/29/2025	13:08	LB137351
	Magnesium	2120	2000	106	65 - 135	P	09/29/2025	13:08	LB137351
	Manganese	20.6	20.0	103	65 - 135	P	09/29/2025	13:08	LB137351
	Nickel	41.0	40.0	102	65 - 135	P	09/29/2025	13:08	LB137351
	Potassium	1770	2000	89	65 - 135	P	09/29/2025	13:08	LB137351
	Selenium	19.7	20.0	98	65 - 135	P	09/29/2025	13:08	LB137351
	Silver	9.87	10.0	99	65 - 135	P	09/29/2025	13:08	LB137351
	Sodium	1870	2000	94	65 - 135	P	09/29/2025	13:08	LB137351
	Thallium	42.7	40.0	107	65 - 135	P	09/29/2025	13:08	LB137351
	Vanadium	38.9	40.0	97	65 - 135	P	09/29/2025	13:08	LB137351
	Zinc	41.0	40.0	103	65 - 135	P	09/29/2025	13:08	LB137351

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB47	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	14:54	LB137307

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB42	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	15:01	LB137307
CCB43	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	15:33	LB137307
CCB44	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	16:01	LB137307
CCB45	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	16:23	LB137307

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	14.1	+/-50	J	100	P	09/29/2025	13:03	LB137351
	Antimony	6.76	+/-25	U	50.0	P	09/29/2025	13:03	LB137351
	Arsenic	5.12	+/-10	U	20.0	P	09/29/2025	13:03	LB137351
	Barium	14.6	+/-50	U	100	P	09/29/2025	13:03	LB137351
	Beryllium	0.56	+/-3	U	6.00	P	09/29/2025	13:03	LB137351
	Cadmium	0.50	+/-3	U	6.00	P	09/29/2025	13:03	LB137351
	Calcium	234	+/-1000	U	2000	P	09/29/2025	13:03	LB137351
	Chromium	2.12	+/-5	U	10.0	P	09/29/2025	13:03	LB137351
	Cobalt	2.26	+/-15	U	30.0	P	09/29/2025	13:03	LB137351
	Copper	4.60	+/-10	U	20.0	P	09/29/2025	13:03	LB137351
	Iron	23.4	+/-50	U	100	P	09/29/2025	13:03	LB137351
	Lead	2.30	+/-6	U	12.0	P	09/29/2025	13:03	LB137351
	Magnesium	244	+/-1000	U	2000	P	09/29/2025	13:03	LB137351
	Manganese	5.94	+/-10	U	20.0	P	09/29/2025	13:03	LB137351
	Nickel	3.06	+/-20	U	40.0	P	09/29/2025	13:03	LB137351
	Potassium	918	+/-1000	U	2000	P	09/29/2025	13:03	LB137351
	Selenium	9.64	+/-10	U	20.0	P	09/29/2025	13:03	LB137351
	Silver	1.62	+/-5	U	10.0	P	09/29/2025	13:03	LB137351
	Sodium	868	+/-1000	U	2000	P	09/29/2025	13:03	LB137351
	Thallium	4.38	+/-20	U	40.0	P	09/29/2025	13:03	LB137351
	Vanadium	6.26	+/-20	U	40.0	P	09/29/2025	13:03	LB137351
	Zinc	16.7	+/-20	U	40.0	P	09/29/2025	13:03	LB137351

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	13.1	+/-50	J	100	P	09/29/2025	13:46	LB137351
	Antimony	6.76	+/-25	U	50.0	P	09/29/2025	13:46	LB137351
	Arsenic	5.12	+/-10	U	20.0	P	09/29/2025	13:46	LB137351
	Barium	14.6	+/-50	U	100	P	09/29/2025	13:46	LB137351
	Beryllium	0.56	+/-3	U	6.00	P	09/29/2025	13:46	LB137351
	Cadmium	0.50	+/-3	U	6.00	P	09/29/2025	13:46	LB137351
	Calcium	234	+/-1000	U	2000	P	09/29/2025	13:46	LB137351
	Chromium	2.12	+/-5	U	10.0	P	09/29/2025	13:46	LB137351
	Cobalt	2.26	+/-15	U	30.0	P	09/29/2025	13:46	LB137351
	Copper	4.60	+/-10	U	20.0	P	09/29/2025	13:46	LB137351
	Iron	23.4	+/-50	U	100	P	09/29/2025	13:46	LB137351
	Lead	2.30	+/-6	U	12.0	P	09/29/2025	13:46	LB137351
	Magnesium	244	+/-1000	U	2000	P	09/29/2025	13:46	LB137351
	Manganese	5.94	+/-10	U	20.0	P	09/29/2025	13:46	LB137351
	Nickel	3.06	+/-20	U	40.0	P	09/29/2025	13:46	LB137351
	Potassium	918	+/-1000	U	2000	P	09/29/2025	13:46	LB137351
	Selenium	9.64	+/-10	U	20.0	P	09/29/2025	13:46	LB137351
	Silver	1.62	+/-5	U	10.0	P	09/29/2025	13:46	LB137351
	Sodium	868	+/-1000	U	2000	P	09/29/2025	13:46	LB137351
	Thallium	6.68	+/-20	J	40.0	P	09/29/2025	13:46	LB137351
	Vanadium	6.26	+/-20	U	40.0	P	09/29/2025	13:46	LB137351
	Zinc	16.7	+/-20	U	40.0	P	09/29/2025	13:46	LB137351
CCB02	Aluminum	11.3	+/-50	U	100	P	09/29/2025	14:55	LB137351
	Antimony	6.76	+/-25	U	50.0	P	09/29/2025	14:55	LB137351
	Arsenic	5.12	+/-10	U	20.0	P	09/29/2025	14:55	LB137351
	Barium	14.6	+/-50	U	100	P	09/29/2025	14:55	LB137351
	Beryllium	0.56	+/-3	U	6.00	P	09/29/2025	14:55	LB137351
	Cadmium	0.50	+/-3	U	6.00	P	09/29/2025	14:55	LB137351
	Calcium	234	+/-1000	U	2000	P	09/29/2025	14:55	LB137351
	Chromium	2.12	+/-5	U	10.0	P	09/29/2025	14:55	LB137351
	Cobalt	2.26	+/-15	U	30.0	P	09/29/2025	14:55	LB137351
	Copper	4.60	+/-10	U	20.0	P	09/29/2025	14:55	LB137351
	Iron	23.4	+/-50	U	100	P	09/29/2025	14:55	LB137351
	Lead	2.30	+/-6	U	12.0	P	09/29/2025	14:55	LB137351
	Magnesium	244	+/-1000	U	2000	P	09/29/2025	14:55	LB137351
	Manganese	5.94	+/-10	U	20.0	P	09/29/2025	14:55	LB137351
	Nickel	3.06	+/-20	U	40.0	P	09/29/2025	14:55	LB137351
	Potassium	918	+/-1000	U	2000	P	09/29/2025	14:55	LB137351
	Selenium	9.64	+/-10	U	20.0	P	09/29/2025	14:55	LB137351

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	09/29/2025	14:55	LB137351
	Sodium	868	+/-1000	U	2000	P	09/29/2025	14:55	LB137351
	Thallium	6.88	+/-20	J	40.0	P	09/29/2025	14:55	LB137351
	Vanadium	6.26	+/-20	U	40.0	P	09/29/2025	14:55	LB137351
	Zinc	16.7	+/-20	U	40.0	P	09/29/2025	14:55	LB137351
CCB03	Aluminum	11.3	+/-50	U	100	P	09/29/2025	15:57	LB137351
	Antimony	6.76	+/-25	U	50.0	P	09/29/2025	15:57	LB137351
	Arsenic	5.12	+/-10	U	20.0	P	09/29/2025	15:57	LB137351
	Barium	14.6	+/-50	U	100	P	09/29/2025	15:57	LB137351
	Beryllium	0.56	+/-3	U	6.00	P	09/29/2025	15:57	LB137351
	Cadmium	0.50	+/-3	U	6.00	P	09/29/2025	15:57	LB137351
	Calcium	234	+/-1000	U	2000	P	09/29/2025	15:57	LB137351
	Chromium	2.12	+/-5	U	10.0	P	09/29/2025	15:57	LB137351
	Cobalt	2.26	+/-15	U	30.0	P	09/29/2025	15:57	LB137351
	Copper	4.60	+/-10	U	20.0	P	09/29/2025	15:57	LB137351
	Iron	23.4	+/-50	U	100	P	09/29/2025	15:57	LB137351
	Lead	2.30	+/-6	U	12.0	P	09/29/2025	15:57	LB137351
	Magnesium	244	+/-1000	U	2000	P	09/29/2025	15:57	LB137351
	Manganese	5.94	+/-10	U	20.0	P	09/29/2025	15:57	LB137351
	Nickel	3.06	+/-20	U	40.0	P	09/29/2025	15:57	LB137351
	Potassium	918	+/-1000	U	2000	P	09/29/2025	15:57	LB137351
	Selenium	9.64	+/-10	U	20.0	P	09/29/2025	15:57	LB137351
	Silver	1.62	+/-5	U	10.0	P	09/29/2025	15:57	LB137351
	Sodium	868	+/-1000	U	2000	P	09/29/2025	15:57	LB137351
	Thallium	7.88	+/-20	J	40.0	P	09/29/2025	15:57	LB137351
	Vanadium	6.26	+/-20	U	40.0	P	09/29/2025	15:57	LB137351
	Zinc	16.7	+/-20	U	40.0	P	09/29/2025	15:57	LB137351
CCB04	Aluminum	11.3	+/-50	U	100	P	09/29/2025	16:48	LB137351
	Antimony	6.76	+/-25	U	50.0	P	09/29/2025	16:48	LB137351
	Arsenic	5.12	+/-10	U	20.0	P	09/29/2025	16:48	LB137351
	Barium	14.6	+/-50	U	100	P	09/29/2025	16:48	LB137351
	Beryllium	0.56	+/-3	U	6.00	P	09/29/2025	16:48	LB137351
	Cadmium	0.50	+/-3	U	6.00	P	09/29/2025	16:48	LB137351
	Calcium	234	+/-1000	U	2000	P	09/29/2025	16:48	LB137351
	Chromium	2.12	+/-5	U	10.0	P	09/29/2025	16:48	LB137351
	Cobalt	2.26	+/-15	U	30.0	P	09/29/2025	16:48	LB137351
	Copper	4.60	+/-10	U	20.0	P	09/29/2025	16:48	LB137351
	Iron	23.4	+/-50	U	100	P	09/29/2025	16:48	LB137351
	Lead	2.30	+/-6	U	12.0	P	09/29/2025	16:48	LB137351

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	09/29/2025	16:48	LB137351
	Manganese	5.94	+/-10	U	20.0	P	09/29/2025	16:48	LB137351
	Nickel	3.06	+/-20	U	40.0	P	09/29/2025	16:48	LB137351
	Potassium	918	+/-1000	U	2000	P	09/29/2025	16:48	LB137351
	Selenium	9.64	+/-10	U	20.0	P	09/29/2025	16:48	LB137351
	Silver	1.62	+/-5	U	10.0	P	09/29/2025	16:48	LB137351
	Sodium	868	+/-1000	U	2000	P	09/29/2025	16:48	LB137351
	Thallium	4.38	+/-20	U	40.0	P	09/29/2025	16:48	LB137351
	Vanadium	6.26	+/-20	U	40.0	P	09/29/2025	16:48	LB137351
	Zinc	16.7	+/-20	U	40.0	P	09/29/2025	16:48	LB137351
CCB05	Aluminum	11.3	+/-50	U	100	P	09/29/2025	17:40	LB137351
	Antimony	6.76	+/-25	U	50.0	P	09/29/2025	17:40	LB137351
	Arsenic	5.12	+/-10	U	20.0	P	09/29/2025	17:40	LB137351
	Barium	14.6	+/-50	U	100	P	09/29/2025	17:40	LB137351
	Beryllium	0.56	+/-3	U	6.00	P	09/29/2025	17:40	LB137351
	Cadmium	0.50	+/-3	U	6.00	P	09/29/2025	17:40	LB137351
	Calcium	234	+/-1000	U	2000	P	09/29/2025	17:40	LB137351
	Chromium	2.12	+/-5	U	10.0	P	09/29/2025	17:40	LB137351
	Cobalt	2.26	+/-15	U	30.0	P	09/29/2025	17:40	LB137351
	Copper	4.60	+/-10	U	20.0	P	09/29/2025	17:40	LB137351
	Iron	23.4	+/-50	U	100	P	09/29/2025	17:40	LB137351
	Lead	2.30	+/-6	U	12.0	P	09/29/2025	17:40	LB137351
	Magnesium	244	+/-1000	U	2000	P	09/29/2025	17:40	LB137351
	Manganese	5.94	+/-10	U	20.0	P	09/29/2025	17:40	LB137351
	Nickel	3.06	+/-20	U	40.0	P	09/29/2025	17:40	LB137351
	Potassium	1040	+/-1000	J*	2000	P	09/29/2025	17:40	LB137351
	Selenium	9.64	+/-10	U	20.0	P	09/29/2025	17:40	LB137351
	Silver	1.62	+/-5	U	10.0	P	09/29/2025	17:40	LB137351
	Sodium	986	+/-1000	J	2000	P	09/29/2025	17:40	LB137351
	Thallium	4.38	+/-20	U	40.0	P	09/29/2025	17:40	LB137351
	Vanadium	6.26	+/-20	U	40.0	P	09/29/2025	17:40	LB137351
	Zinc	16.7	+/-20	U	40.0	P	09/29/2025	17:40	LB137351
CCB06	Aluminum	11.3	+/-50	U	100	P	09/29/2025	18:31	LB137351
	Antimony	6.76	+/-25	U	50.0	P	09/29/2025	18:31	LB137351
	Arsenic	5.12	+/-10	U	20.0	P	09/29/2025	18:31	LB137351
	Barium	14.6	+/-50	U	100	P	09/29/2025	18:31	LB137351
	Beryllium	0.56	+/-3	U	6.00	P	09/29/2025	18:31	LB137351
	Cadmium	0.50	+/-3	U	6.00	P	09/29/2025	18:31	LB137351
	Calcium	234	+/-1000	U	2000	P	09/29/2025	18:31	LB137351

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	09/29/2025	18:31	LB137351
	Cobalt	2.26	+/-15	U	30.0	P	09/29/2025	18:31	LB137351
	Copper	4.60	+/-10	U	20.0	P	09/29/2025	18:31	LB137351
	Iron	23.4	+/-50	U	100	P	09/29/2025	18:31	LB137351
	Lead	2.30	+/-6	U	12.0	P	09/29/2025	18:31	LB137351
	Magnesium	244	+/-1000	U	2000	P	09/29/2025	18:31	LB137351
	Manganese	5.94	+/-10	U	20.0	P	09/29/2025	18:31	LB137351
	Nickel	3.06	+/-20	U	40.0	P	09/29/2025	18:31	LB137351
	Potassium	918	+/-1000	U	2000	P	09/29/2025	18:31	LB137351
	Selenium	9.64	+/-10	U	20.0	P	09/29/2025	18:31	LB137351
	Silver	1.62	+/-5	U	10.0	P	09/29/2025	18:31	LB137351
	Sodium	868	+/-1000	U	2000	P	09/29/2025	18:31	LB137351
	Thallium	4.38	+/-20	U	40.0	P	09/29/2025	18:31	LB137351
	Vanadium	6.26	+/-20	U	40.0	P	09/29/2025	18:31	LB137351
	Zinc	16.7	+/-20	U	40.0	P	09/29/2025	18:31	LB137351
CCB07	Aluminum	11.5	+/-50	J	100	P	09/29/2025	19:04	LB137351
	Antimony	6.76	+/-25	U	50.0	P	09/29/2025	19:04	LB137351
	Arsenic	5.12	+/-10	U	20.0	P	09/29/2025	19:04	LB137351
	Barium	14.6	+/-50	U	100	P	09/29/2025	19:04	LB137351
	Beryllium	0.56	+/-3	U	6.00	P	09/29/2025	19:04	LB137351
	Cadmium	0.50	+/-3	U	6.00	P	09/29/2025	19:04	LB137351
	Calcium	234	+/-1000	U	2000	P	09/29/2025	19:04	LB137351
	Chromium	2.12	+/-5	U	10.0	P	09/29/2025	19:04	LB137351
	Cobalt	2.26	+/-15	U	30.0	P	09/29/2025	19:04	LB137351
	Copper	4.60	+/-10	U	20.0	P	09/29/2025	19:04	LB137351
	Iron	23.4	+/-50	U	100	P	09/29/2025	19:04	LB137351
	Lead	2.30	+/-6	U	12.0	P	09/29/2025	19:04	LB137351
	Magnesium	244	+/-1000	U	2000	P	09/29/2025	19:04	LB137351
	Manganese	5.94	+/-10	U	20.0	P	09/29/2025	19:04	LB137351
	Nickel	3.06	+/-20	U	40.0	P	09/29/2025	19:04	LB137351
	Potassium	918	+/-1000	U	2000	P	09/29/2025	19:04	LB137351
	Selenium	9.64	+/-10	U	20.0	P	09/29/2025	19:04	LB137351
	Silver	1.62	+/-5	U	10.0	P	09/29/2025	19:04	LB137351
	Sodium	868	+/-1000	U	2000	P	09/29/2025	19:04	LB137351
	Thallium	4.38	+/-20	U	40.0	P	09/29/2025	19:04	LB137351
	Vanadium	6.26	+/-20	U	40.0	P	09/29/2025	19:04	LB137351
	Zinc	16.7	+/-20	U	40.0	P	09/29/2025	19:04	LB137351

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169847BL		**WATER**		**Batch Number:**	**PB169847**		**Prep Date:**	**09/25/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	09/25/2025	15:36	LB137307

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169847TB		**WATER**		**Batch Number:**	**PB169847**		**Prep Date:**	**09/25/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	09/25/2025	16:06	LB137307

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169831BL		**WATER**		**Batch Number:**	**PB169831**		**Prep Date:**	**09/25/2025**	
	Aluminum	5.67	<25	U	50.0	P	09/29/2025	14:59	LB137351
	Antimony	3.38	<12.5	U	25.0	P	09/29/2025	14:59	LB137351
	Arsenic	2.56	<5	U	10.0	P	09/29/2025	14:59	LB137351
	Barium	7.28	<25	U	50.0	P	09/29/2025	14:59	LB137351
	Beryllium	0.28	<1.5	U	3.00	P	09/29/2025	14:59	LB137351
	Cadmium	0.25	<1.5	U	3.00	P	09/29/2025	14:59	LB137351
	Calcium	117	<500	U	1000	P	09/29/2025	14:59	LB137351
	Chromium	1.06	<2.5	U	5.00	P	09/29/2025	14:59	LB137351
	Cobalt	1.13	<7.5	U	15.0	P	09/29/2025	14:59	LB137351
	Copper	2.30	<5	U	10.0	P	09/29/2025	14:59	LB137351
	Iron	11.7	<25	U	50.0	P	09/29/2025	14:59	LB137351
	Lead	1.15	<3	U	6.00	P	09/29/2025	14:59	LB137351
	Magnesium	122	<500	U	1000	P	09/29/2025	14:59	LB137351
	Manganese	2.97	<5	U	10.0	P	09/29/2025	14:59	LB137351
	Nickel	1.53	<10	U	20.0	P	09/29/2025	14:59	LB137351
	Potassium	459	<500	U	1000	P	09/29/2025	14:59	LB137351
	Selenium	4.82	<5	U	10.0	P	09/29/2025	14:59	LB137351
	Silver	0.81	<2.5	U	5.00	P	09/29/2025	14:59	LB137351
	Sodium	434	<500	U	1000	P	09/29/2025	14:59	LB137351
	Thallium	2.19	<10	U	20.0	P	09/29/2025	14:59	LB137351
	Vanadium	3.13	<10	U	20.0	P	09/29/2025	14:59	LB137351
	Zinc	8.33	<10	U	20.0	P	09/29/2025	14:59	LB137351

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169831TB		**WATER**		**Batch Number:**	**PB169831**		**Prep Date:**	**09/25/2025**	
	Aluminum	7.68	<25	J	50.0	P	09/29/2025	18:06	LB137351
	Antimony	3.38	<12.5	U	25.0	P	09/29/2025	18:06	LB137351
	Arsenic	2.56	<5	U	10.0	P	09/29/2025	18:06	LB137351
	Barium	7.28	<25	U	50.0	P	09/29/2025	18:06	LB137351
	Beryllium	0.28	<1.5	U	3.00	P	09/29/2025	18:06	LB137351
	Cadmium	0.25	<1.5	U	3.00	P	09/29/2025	18:06	LB137351
	Calcium	117	<500	U	1000	P	09/29/2025	18:06	LB137351
	Chromium	1.06	<2.5	U	5.00	P	09/29/2025	18:06	LB137351
	Cobalt	1.13	<7.5	U	15.0	P	09/29/2025	18:06	LB137351
	Copper	2.30	<5	U	10.0	P	09/29/2025	18:06	LB137351
	Iron	11.7	<25	U	50.0	P	09/29/2025	18:06	LB137351
	Lead	1.15	<3	U	6.00	P	09/29/2025	18:06	LB137351
	Magnesium	122	<500	U	1000	P	09/29/2025	18:06	LB137351
	Manganese	2.97	<5	U	10.0	P	09/29/2025	18:06	LB137351
	Nickel	1.53	<10	U	20.0	P	09/29/2025	18:06	LB137351

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Metals
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PREPARATION BLANK SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Instrument: P4

Potassium	459	<500	U	1000	P	09/29/2025	18:06	LB137351
Selenium	4.82	<5	U	10.0	P	09/29/2025	18:06	LB137351
Silver	0.81	<2.5	U	5.00	P	09/29/2025	18:06	LB137351
Sodium	434	<500	U	1000	P	09/29/2025	18:06	LB137351
Thallium	2.19	<10	U	20.0	P	09/29/2025	18:06	LB137351
Vanadium	3.13	<10	U	20.0	P	09/29/2025	18:06	LB137351
Zinc	8.33	<10	U	20.0	P	09/29/2025	18:06	LB137351

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

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

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	246000	255000	96	216000	294000	09/29/2025	13:13	LB137351
	Antimony	-1.32			-50	50	09/29/2025	13:13	LB137351
	Arsenic	4.59			-20	20	09/29/2025	13:13	LB137351
	Barium	2.06	6.0	34	-94	106	09/29/2025	13:13	LB137351
	Beryllium	3.40			-6	6	09/29/2025	13:13	LB137351
	Cadmium	1.18	1.0	118	-5	7	09/29/2025	13:13	LB137351
	Calcium	235000	245000	96	208000	282000	09/29/2025	13:13	LB137351
	Chromium	48.3	52.0	93	42	62	09/29/2025	13:13	LB137351
	Cobalt	0.77			-30	30	09/29/2025	13:13	LB137351
	Copper	21.1	2.0	1055	-18	22	09/29/2025	13:13	LB137351
	Iron	98100	101000	97	85600	116500	09/29/2025	13:13	LB137351
	Lead	0.53			-12	12	09/29/2025	13:13	LB137351
	Magnesium	248000	255000	97	216000	294000	09/29/2025	13:13	LB137351
	Manganese	-1.62	7.0	23	-13	27	09/29/2025	13:13	LB137351
	Nickel	3.83	2.0	192	-38	42	09/29/2025	13:13	LB137351
	Potassium	-3.64			0	0	09/29/2025	13:13	LB137351
	Selenium	3.75			-20	20	09/29/2025	13:13	LB137351
	Silver	0.65			-10	10	09/29/2025	13:13	LB137351
	Sodium	37.7			0	0	09/29/2025	13:13	LB137351
	Thallium	1.22			-40	40	09/29/2025	13:13	LB137351
	Vanadium	1.21			-40	40	09/29/2025	13:13	LB137351
	Zinc	1.67			-40	40	09/29/2025	13:13	LB137351
ICSAB01	Aluminum	250000	247000	101	209000	285000	09/29/2025	13:17	LB137351
	Antimony	619	618	100	525	711	09/29/2025	13:17	LB137351
	Arsenic	112	104	108	88.4	120	09/29/2025	13:17	LB137351
	Barium	502	537	94	437	637	09/29/2025	13:17	LB137351
	Beryllium	495	495	100	420	570	09/29/2025	13:17	LB137351
	Cadmium	993	972	102	826	1120	09/29/2025	13:17	LB137351
	Calcium	238000	235000	101	199000	271000	09/29/2025	13:17	LB137351
	Chromium	549	542	101	460	624	09/29/2025	13:17	LB137351
	Cobalt	499	476	105	404	548	09/29/2025	13:17	LB137351
	Copper	507	511	99	434	588	09/29/2025	13:17	LB137351
	Iron	96800	99300	98	84400	114500	09/29/2025	13:17	LB137351
	Lead	49.8	49.0	102	37	61	09/29/2025	13:17	LB137351
	Magnesium	251000	248000	101	210000	286000	09/29/2025	13:17	LB137351
	Manganese	494	507	97	430	584	09/29/2025	13:17	LB137351
	Nickel	991	954	104	810	1100	09/29/2025	13:17	LB137351
	Potassium	-56.4			0	0	09/29/2025	13:17	LB137351
	Selenium	57.4	46.0	125	26	66	09/29/2025	13:17	LB137351
	Silver	207	201	103	170	232	09/29/2025	13:17	LB137351
	Sodium	34.0			0	0	09/29/2025	13:17	LB137351
	Thallium	115	108	106	68	148	09/29/2025	13:17	LB137351

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

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

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	490	491	100	417	565	09/29/2025	13:17	LB137351
	Zinc	1020	952	107	809	1095	09/29/2025	13:17	LB137351

METAL
QC
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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Weston Solutions, Inc. **level:** low **sdg no.:** Q3179

contract: ROYF02 **lab code:** ACE

matrix: Water **sample id:** Q3179-01 **client id:** EME-TS14-01MS

Percent Solids for Sample: NA **Spiked ID:** Q3179-02 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1220		283		1000	94		P
Antimony	ug/L	75 - 125	390		25.0	U	400	98		P
Arsenic	ug/L	75 - 125	382		10.0	U	400	96		P
Barium	ug/L	75 - 125	221		130		100	91		P
Beryllium	ug/L	75 - 125	91.7		3.00	U	100	92		P
Cadmium	ug/L	75 - 125	91.4		0.95	J	100	90		P
Calcium	ug/L	75 - 125	147000		152000		500	-854		P
Chromium	ug/L	75 - 125	191		3.87	J	200	94		P
Cobalt	ug/L	75 - 125	93.4		15.0	U	100	93		P
Copper	ug/L	75 - 125	143		4.32	J	150	92		P
Iron	ug/L	75 - 125	1400		51.1		1500	90		P
Lead	ug/L	75 - 125	444		6.00	U	500	89		P
Magnesium	ug/L	75 - 125	18800		18500		1000	34		P
Manganese	ug/L	75 - 125	3910		3940		100	-26		P
Mercury	ug/L	75 - 125	4.42		0.20	U	4.0	110		CV
Nickel	ug/L	75 - 125	232		2.26	J	250	92		P
Potassium	ug/L	75 - 125	15100		11200		5000	78		P
Selenium	ug/L	75 - 125	952		10.0	U	1000	95		P
Silver	ug/L	75 - 125	34.3		5.00	U	37.5	92		P
Sodium	ug/L	75 - 125	7040		5990		1500	70	N	P
Thallium	ug/L	75 - 125	832		20.0	U	1000	83		P
Vanadium	ug/L	75 - 125	141		20.0	U	150	94		P
Zinc	ug/L	75 - 125	159		64.5		100	95		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions, Inc. **level:** low **sdg no.:** Q3179

contract: ROYF02 **lab code:** ACE

matrix: Water **sample id:** Q3179-01 **client id:** EME-TS14-01MSD

Percent Solids for Sample: NA **Spiked ID:** Q3179-03 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1230		283		1000	95		P
Antimony	ug/L	75 - 125	396		25.0	U	400	99		P
Arsenic	ug/L	75 - 125	390		10.0	U	400	98		P
Barium	ug/L	75 - 125	222		130		100	92		P
Beryllium	ug/L	75 - 125	93.6		3.00	U	100	94		P
Cadmium	ug/L	75 - 125	92.9		0.95	J	100	92		P
Calcium	ug/L	75 - 125	149000		152000		500	-628		P
Chromium	ug/L	75 - 125	194		3.87	J	200	95		P
Cobalt	ug/L	75 - 125	94.8		15.0	U	100	95		P
Copper	ug/L	75 - 125	145		4.32	J	150	94		P
Iron	ug/L	75 - 125	1410		51.1		1500	90		P
Lead	ug/L	75 - 125	452		6.00	U	500	90		P
Magnesium	ug/L	75 - 125	18900		18500		1000	45		P
Manganese	ug/L	75 - 125	3950		3940		100	14		P
Mercury	ug/L	75 - 125	3.97		0.20	U	4.0	99		CV
Nickel	ug/L	75 - 125	236		2.26	J	250	93		P
Potassium	ug/L	75 - 125	15100		11200		5000	79		P
Selenium	ug/L	75 - 125	971		10.0	U	1000	97		P
Silver	ug/L	75 - 125	31.3		5.00	U	37.5	84		P
Sodium	ug/L	75 - 125	7060		5990		1500	71	N	P
Thallium	ug/L	75 - 125	891		20.0	U	1000	89		P
Vanadium	ug/L	75 - 125	145		20.0	U	150	97		P
Zinc	ug/L	75 - 125	161		64.5		100	97		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** EME-TS14-01A

Sample ID: Q3179-01 **Spiked ID:** Q3179-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Sodium	ug/L	75 - 125	7560		5990		1500	105		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Weston Solutions, Inc. **Level:** LOW **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3179-01 **Client ID:** EME-TS14-01DUP

Percent Solids for Sample: NA **Duplicate ID** Q3179-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	283		294		4		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	130		131		1		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	0.95	J	1.04	J	9		P
Calcium	ug/L	20	152000		150000		1		P
Chromium	ug/L	20	3.87	J	2.50	J	43		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	4.32	J	4.48	J	4		P
Iron	ug/L	20	51.1		42.2	J	19		P
Lead	ug/L	20	6.00	U	1.33	J	200.0		P
Magnesium	ug/L	20	18500		18200		2		P
Manganese	ug/L	20	3940		3900		1		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Nickel	ug/L	20	2.26	J	2.20	J	3		P
Potassium	ug/L	20	11200		11700		4		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	5990		6220		4		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	64.5		64.2		0		P

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

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Weston Solutions, Inc. **Level:** LOW **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3179-02 **Client ID:** EME-TS14-01MSD

Percent Solids for Sample: NA **Duplicate ID** Q3179-03 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1220		1230		1		P
Antimony	ug/L	20	390		396		2		P
Arsenic	ug/L	20	382		390		2		P
Barium	ug/L	20	221		222		0		P
Beryllium	ug/L	20	91.7		93.6		2		P
Cadmium	ug/L	20	91.4		92.9		2		P
Calcium	ug/L	20	147000		149000		1		P
Chromium	ug/L	20	191		194		2		P
Cobalt	ug/L	20	93.4		94.8		1		P
Copper	ug/L	20	143		145		1		P
Iron	ug/L	20	1400		1410		1		P
Lead	ug/L	20	444		452		2		P
Magnesium	ug/L	20	18800		18900		1		P
Manganese	ug/L	20	3910		3950		1		P
Mercury	ug/L	20	4.42		3.97		11		CV
Nickel	ug/L	20	232		236		2		P
Potassium	ug/L	20	15100		15100		0		P
Selenium	ug/L	20	952		971		2		P
Silver	ug/L	20	34.3		31.3		9		P
Sodium	ug/L	20	7040		7060		0		P
Thallium	ug/L	20	832		891		7		P
Vanadium	ug/L	20	141		145		3		P
Zinc	ug/L	20	159		161		1		P

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

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169831BS							
Aluminum	ug/L	1000	972		97	80 - 120	P
Antimony	ug/L	400	395		99	80 - 120	P
Arsenic	ug/L	400	385		96	80 - 120	P
Barium	ug/L	100	92.7		93	80 - 120	P
Beryllium	ug/L	100	99.1		99	80 - 120	P
Cadmium	ug/L	100	95.3		95	80 - 120	P
Calcium	ug/L	500	493	J	99	80 - 120	P
Chromium	ug/L	200	197		98	80 - 120	P
Cobalt	ug/L	100	96.2		96	80 - 120	P
Copper	ug/L	150	149		99	80 - 120	P
Iron	ug/L	1500	1450		97	80 - 120	P
Lead	ug/L	500	469		94	80 - 120	P
Magnesium	ug/L	1000	958	J	96	80 - 120	P
Manganese	ug/L	100	97.1		97	80 - 120	P
Nickel	ug/L	250	240		96	80 - 120	P
Potassium	ug/L	5000	4740		95	80 - 120	P
Selenium	ug/L	1000	983		98	80 - 120	P
Silver	ug/L	37.5	36.6		98	80 - 120	P
Sodium	ug/L	1500	1470		98	80 - 120	P
Thallium	ug/L	1000	1150		115	80 - 120	P
Vanadium	ug/L	150	146		97	80 - 120	P
Zinc	ug/L	100	99.0		99	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169847BS							
Mercury	ug/L	4.0	4.32		108	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

EME-TS14-01L

Lab Name: Alliance **Contract:** ROYF02

Lab Code: ACE **Lb No.:** lb137351 **Lab Sample ID :** Q3179-01L **SDG No.:** Q3179

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	283		309		9		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	130		128	J	1		P
Beryllium	3.00	U	15.0	U			P
Cadmium	0.95	J	15.0	U	100.0		P
Calcium	152000		153000		1		P
Chromium	3.87	J	25.0	U	100.0		P
Cobalt	15.0	U	75.0	U			P
Copper	4.32	J	50.0	U	100.0		P
Iron	51.1		250	U	100.0		P
Lead	6.00	U	30.0	U			P
Magnesium	18500		18700		1		P
Manganese	3940		4040		3		P
Mercury	0.20	U	1.00	U			CV
Nickel	2.26	J	100	U	100.0		P
Potassium	11200		11700		5		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	5990		6750		13		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	64.5		61.3	J	5		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **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:	**PB169831**						
PB169831BL	PB169831BL	MB	WATER	09/25/2025	50.0	25.0	
PB169831BS	PB169831BS	LCS	WATER	09/25/2025	50.0	25.0	
PB169831TB	PB169831TB	MB	WATER	09/25/2025	50.0	25.0	
Q3179-01	EME-TS14-01	SAM	WATER	09/25/2025	50.0	25.0	
Q3179-01DUP	EME-TS14-01DUP	DUP	WATER	09/25/2025	50.0	25.0	
Q3179-02	EME-TS14-01MS	MS	WATER	09/25/2025	50.0	25.0	
Q3179-03	EME-TS14-01MSD	MSD	WATER	09/25/2025	50.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Weston Solutions, Inc. **SDG No.:** Q3179

Contract: ROYF02 **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:	**PB169847**						
PB169847BL	PB169847BL	MB	WATER	09/25/2025	30.0	30.0	
PB169847BS	PB169847BS	LCS	WATER	09/25/2025	30.0	30.0	
PB169847TB	PB169847TB	MB	WATER	09/25/2025	30.0	30.0	
Q3179-01	EME-TS14-01	SAM	WATER	09/25/2025	30.0	30.0	
Q3179-01DUP	EME-TS14-01DUP	DUP	WATER	09/25/2025	30.0	30.0	
Q3179-02	EME-TS14-01MS	MS	WATER	09/25/2025	30.0	30.0	
Q3179-03	EME-TS14-01MSD	MSD	WATER	09/25/2025	30.0	30.0	

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ANALYSIS RUN LOG

Client: Weston Solutions, Inc. **Contract:** ROYF02

Lab code: ACE **Sdg no.:** Q3179

Instrument id number: **Method:** **Run number:** LB137307

Start date: 09/25/2025 **End date:** 09/25/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1433	HG
S0.2	S0.2	1	1435	HG
S2.5	S2.5	1	1437	HG
S5	S5	1	1440	HG
S7.5	S7.5	1	1442	HG
S10	S10	1	1449	HG
ICV47	ICV47	1	1452	HG
ICB47	ICB47	1	1454	HG
CCV42	CCV42	1	1458	HG
CCB42	CCB42	1	1501	HG
CRA	CRA	1	1503	HG
CCV43	CCV43	1	1531	HG
CCB43	CCB43	1	1533	HG
PB169847BL	PB169847BL	1	1536	HG
PB169847BS	PB169847BS	1	1538	HG
Q3179-01	EME-TS14-01	1	1550	HG
Q3179-01DUP	EME-TS14-01DUP	1	1552	HG
Q3179-02	EME-TS14-01MS	1	1554	HG
Q3179-03	EME-TS14-01MSD	1	1557	HG
CCV44	CCV44	1	1559	HG
CCB44	CCB44	1	1601	HG
PB169847TB	PB169847TB	1	1606	HG
Q3179-01L	EME-TS14-01L	5	1613	HG
CCV45	CCV45	1	1621	HG
CCB45	CCB45	1	1623	HG

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

metals
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ANALYSIS RUN LOG

Client: Weston Solutions, Inc. **Contract:** ROYF02

Lab code: ACE **Sdg no.:** Q3179

Instrument id number: **Method:** **Run number:** LB137351

Start date: 09/29/2025 **End date:** 09/29/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1211	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1216	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	1220	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	1224	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	1228	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	1232	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1255	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1259	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1303	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	1308	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	1313	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	1317	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	1342	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1346	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1451	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	1455	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169831BL	PB169831BL	1	1459	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169831BS	PB169831BS	1	1504	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1553	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	1557	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1644	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1648	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1736	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1740	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169831TB	PB169831TB	1	1806	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3179-01	EME-TS14-01	1	1822	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1827	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1831	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3179-01DUP	EME-TS14-01DUP	1	1835	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3179-01L	EME-TS14-01L	5	1839	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3179-02	EME-TS14-01MS	1	1844	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3179-03	EME-TS14-01MSD	1	1848	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3179-01A	EME-TS14-01A	1	1851	Na
CCV07	CCV07	1	1900	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1904	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn