



LAB CHRONICLE

OrderID:	Q3178	OrderDate:	9/24/2025 10:59:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 916
Contact:	Smita Sumbaly	Location:	J33,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3178-01	EME-TS14-01	SOIL			09/23/25			09/23/25
			Mercury	7471B		09/25/25	09/25/25	
			Metals ICP-TAL	6010D		09/25/25	09/25/25	

Hit Summary Sheet
SW-846

SDG No.: Q3178
Client: Weston Solutions, Inc.

Order ID: Q3178
Project ID: RFP 916

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EME-TS14-01								
Q3178-01	EME-TS14-01	SOIL	Aluminum	16000		1.13	6.73	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Arsenic	6.34		0.26	1.35	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Barium	38.1		0.98	6.73	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Beryllium	0.48		0.034	0.40	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Cadmium	0.19	J	0.032	0.40	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Calcium	5350		14.9	135	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Chromium	12.0		0.063	0.67	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Cobalt	3.44		0.14	2.02	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Copper	19.4		0.30	1.35	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Iron	15500		5.37	6.73	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Lead	13.3		0.18	0.81	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Magnesium	1390		16.2	135	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Manganese	715		0.19	1.35	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Nickel	7.35		0.18	2.69	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Potassium	938		37.3	135	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Selenium	1.14	J	0.35	1.35	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Sodium	149		24.0	135	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Vanadium	20.3		0.34	2.69	mg/Kg
Q3178-01	EME-TS14-01	SOIL	Zinc	48.4		0.31	2.69	mg/Kg



SAMPLE DATA

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.:	Q3178
Lab Sample ID:	Q3178-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	71.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	16000		1	1.13	6.73	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-36-0	Antimony	0.30	UN	1	0.30	3.37	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-38-2	Arsenic	6.34		1	0.26	1.35	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-39-3	Barium	38.1		1	0.98	6.73	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-41-7	Beryllium	0.48		1	0.034	0.40	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-43-9	Cadmium	0.19	J	1	0.032	0.40	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-70-2	Calcium	5350		1	14.9	135	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-47-3	Chromium	12.0		1	0.063	0.67	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-48-4	Cobalt	3.44		1	0.14	2.02	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-50-8	Copper	19.4		1	0.30	1.35	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7439-89-6	Iron	15500		1	5.37	6.73	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7439-92-1	Lead	13.3		1	0.18	0.81	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7439-95-4	Magnesium	1390		1	16.2	135	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7439-96-5	Manganese	715		1	0.19	1.35	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7439-97-6	Mercury	0.011	U	1	0.011	0.020	mg/Kg	09/25/25 10:15	09/25/25 12:58	7471B	
7440-02-0	Nickel	7.35		1	0.18	2.69	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-09-7	Potassium	938		1	37.3	135	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7782-49-2	Selenium	1.14	J	1	0.35	1.35	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-22-4	Silver	0.16	UN	1	0.16	0.67	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-23-5	Sodium	149		1	24.0	135	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-28-0	Thallium	0.31	U	1	0.31	2.69	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-62-2	Vanadium	20.3		1	0.34	2.69	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050
7440-66-6	Zinc	48.4		1	0.31	2.69	mg/Kg	09/25/25 10:40	09/25/25 15:28	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

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

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3178

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
ICV46	Mercury	4.39	4.0	110	90 - 110	CV	09/25/2025	12:26	LB137305

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3178

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
CCV39	Mercury	5.14	5.0	103	90 - 110	CV	09/25/2025	12:31	LB137305
CCV40	Mercury	5.25	5.0	105	90 - 110	CV	09/25/2025	13:01	LB137305
CCV41	Mercury	5.19	5.0	104	90 - 110	CV	09/25/2025	13:32	LB137305
CCV42	Mercury	5.12	5.0	102	90 - 110	CV	09/25/2025	13:39	LB137305

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	7830	8000	98	90 - 110	P	09/25/2025	11:20	LB137314
	Antimony	4090	4000	102	90 - 110	P	09/25/2025	11:20	LB137314
	Arsenic	3970	4000	99	90 - 110	P	09/25/2025	11:20	LB137314
	Barium	7810	8000	98	90 - 110	P	09/25/2025	11:20	LB137314
	Beryllium	196	200	98	90 - 110	P	09/25/2025	11:20	LB137314
	Cadmium	1970	2000	98	90 - 110	P	09/25/2025	11:20	LB137314
	Calcium	19500	20000	98	90 - 110	P	09/25/2025	11:20	LB137314
	Chromium	816	800	102	90 - 110	P	09/25/2025	11:20	LB137314
	Cobalt	1970	2000	98	90 - 110	P	09/25/2025	11:20	LB137314
	Copper	1010	1000	101	90 - 110	P	09/25/2025	11:20	LB137314
	Iron	4180	4000	105	90 - 110	P	09/25/2025	11:20	LB137314
	Lead	3850	4000	96	90 - 110	P	09/25/2025	11:20	LB137314
	Magnesium	19400	20000	97	90 - 110	P	09/25/2025	11:20	LB137314
	Manganese	1950	2000	97	90 - 110	P	09/25/2025	11:20	LB137314
	Nickel	1970	2000	99	90 - 110	P	09/25/2025	11:20	LB137314
	Potassium	20700	20000	104	90 - 110	P	09/25/2025	11:20	LB137314
	Selenium	4010	4000	100	90 - 110	P	09/25/2025	11:20	LB137314
	Silver	1020	1000	102	90 - 110	P	09/25/2025	11:20	LB137314
	Sodium	20500	20000	103	90 - 110	P	09/25/2025	11:20	LB137314
	Thallium	3980	4000	100	90 - 110	P	09/25/2025	11:20	LB137314
	Vanadium	1940	2000	97	90 - 110	P	09/25/2025	11:20	LB137314
	Zinc	2030	2000	101	90 - 110	P	09/25/2025	11:20	LB137314

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	101	100	101	80 - 120	P	09/25/2025	11:29	LB137314
	Antimony	47.8	50.0	96	80 - 120	P	09/25/2025	11:29	LB137314
	Arsenic	22.4	20.0	112	80 - 120	P	09/25/2025	11:29	LB137314
	Barium	97.5	100	98	80 - 120	P	09/25/2025	11:29	LB137314
	Beryllium	6.21	6.0	104	80 - 120	P	09/25/2025	11:29	LB137314
	Cadmium	5.96	6.0	99	80 - 120	P	09/25/2025	11:29	LB137314
	Calcium	2040	2000	102	80 - 120	P	09/25/2025	11:29	LB137314
	Chromium	10.4	10.0	104	80 - 120	P	09/25/2025	11:29	LB137314
	Cobalt	29.2	30.0	97	80 - 120	P	09/25/2025	11:29	LB137314
	Copper	20.5	20.0	103	80 - 120	P	09/25/2025	11:29	LB137314
	Iron	108	100	108	80 - 120	P	09/25/2025	11:29	LB137314
	Lead	10.2	12.0	85	80 - 120	P	09/25/2025	11:29	LB137314
	Magnesium	2080	2000	104	80 - 120	P	09/25/2025	11:29	LB137314
	Manganese	20.6	20.0	103	80 - 120	P	09/25/2025	11:29	LB137314
	Nickel	40.1	40.0	100	80 - 120	P	09/25/2025	11:29	LB137314
	Potassium	2120	2000	106	80 - 120	P	09/25/2025	11:29	LB137314
	Selenium	21.6	20.0	108	80 - 120	P	09/25/2025	11:29	LB137314
	Silver	9.87	10.0	99	80 - 120	P	09/25/2025	11:29	LB137314
	Sodium	2010	2000	101	80 - 120	P	09/25/2025	11:29	LB137314
	Thallium	38.9	40.0	97	80 - 120	P	09/25/2025	11:29	LB137314
	Vanadium	35.4	40.0	88	80 - 120	P	09/25/2025	11:29	LB137314
	Zinc	42.4	40.0	106	80 - 120	P	09/25/2025	11:29	LB137314

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	9660	10000	97	90 - 110	P	09/25/2025	12:12	LB137314
	Antimony	4930	5000	99	90 - 110	P	09/25/2025	12:12	LB137314
	Arsenic	4910	5000	98	90 - 110	P	09/25/2025	12:12	LB137314
	Barium	9590	10000	96	90 - 110	P	09/25/2025	12:12	LB137314
	Beryllium	235	250	94	90 - 110	P	09/25/2025	12:12	LB137314
	Cadmium	2420	2500	97	90 - 110	P	09/25/2025	12:12	LB137314
	Calcium	24000	25000	96	90 - 110	P	09/25/2025	12:12	LB137314
	Chromium	981	1000	98	90 - 110	P	09/25/2025	12:12	LB137314
	Cobalt	2410	2500	96	90 - 110	P	09/25/2025	12:12	LB137314
	Copper	1230	1250	98	90 - 110	P	09/25/2025	12:12	LB137314
	Iron	5010	5000	100	90 - 110	P	09/25/2025	12:12	LB137314
	Lead	4800	5000	96	90 - 110	P	09/25/2025	12:12	LB137314
	Magnesium	23900	25000	96	90 - 110	P	09/25/2025	12:12	LB137314
	Manganese	2380	2500	95	90 - 110	P	09/25/2025	12:12	LB137314
	Nickel	2410	2500	96	90 - 110	P	09/25/2025	12:12	LB137314
	Potassium	25100	25000	100	90 - 110	P	09/25/2025	12:12	LB137314
	Selenium	4970	5000	100	90 - 110	P	09/25/2025	12:12	LB137314
	Silver	1230	1250	98	90 - 110	P	09/25/2025	12:12	LB137314
	Sodium	24600	25000	98	90 - 110	P	09/25/2025	12:12	LB137314
	Thallium	4900	5000	98	90 - 110	P	09/25/2025	12:12	LB137314
	Vanadium	2420	2500	97	90 - 110	P	09/25/2025	12:12	LB137314
	Zinc	2490	2500	100	90 - 110	P	09/25/2025	12:12	LB137314
CCV02	Aluminum	9810	10000	98	90 - 110	P	09/25/2025	13:23	LB137314
	Antimony	5080	5000	102	90 - 110	P	09/25/2025	13:23	LB137314
	Arsenic	5030	5000	101	90 - 110	P	09/25/2025	13:23	LB137314
	Barium	9690	10000	97	90 - 110	P	09/25/2025	13:23	LB137314
	Beryllium	235	250	94	90 - 110	P	09/25/2025	13:23	LB137314
	Cadmium	2460	2500	99	90 - 110	P	09/25/2025	13:23	LB137314
	Calcium	24300	25000	97	90 - 110	P	09/25/2025	13:23	LB137314
	Chromium	1010	1000	101	90 - 110	P	09/25/2025	13:23	LB137314
	Cobalt	2460	2500	98	90 - 110	P	09/25/2025	13:23	LB137314
	Copper	1250	1250	100	90 - 110	P	09/25/2025	13:23	LB137314
	Iron	5220	5000	104	90 - 110	P	09/25/2025	13:23	LB137314
	Lead	4880	5000	98	90 - 110	P	09/25/2025	13:23	LB137314

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	24000	25000	96	90 - 110	P	09/25/2025	13:23	LB137314
	Manganese	2390	2500	96	90 - 110	P	09/25/2025	13:23	LB137314
	Nickel	2460	2500	99	90 - 110	P	09/25/2025	13:23	LB137314
	Potassium	26400	25000	106	90 - 110	P	09/25/2025	13:23	LB137314
	Selenium	5110	5000	102	90 - 110	P	09/25/2025	13:23	LB137314
	Silver	1260	1250	101	90 - 110	P	09/25/2025	13:23	LB137314
	Sodium	25200	25000	101	90 - 110	P	09/25/2025	13:23	LB137314
	Thallium	5180	5000	104	90 - 110	P	09/25/2025	13:23	LB137314
	Vanadium	2460	2500	98	90 - 110	P	09/25/2025	13:23	LB137314
	Zinc	2630	2500	105	90 - 110	P	09/25/2025	13:23	LB137314
CCV03	Aluminum	9770	10000	98	90 - 110	P	09/25/2025	14:21	LB137314
	Antimony	4990	5000	100	90 - 110	P	09/25/2025	14:21	LB137314
	Arsenic	4990	5000	100	90 - 110	P	09/25/2025	14:21	LB137314
	Barium	9550	10000	96	90 - 110	P	09/25/2025	14:21	LB137314
	Beryllium	238	250	95	90 - 110	P	09/25/2025	14:21	LB137314
	Cadmium	2440	2500	98	90 - 110	P	09/25/2025	14:21	LB137314
	Calcium	24300	25000	97	90 - 110	P	09/25/2025	14:21	LB137314
	Chromium	981	1000	98	90 - 110	P	09/25/2025	14:21	LB137314
	Cobalt	2430	2500	97	90 - 110	P	09/25/2025	14:21	LB137314
	Copper	1240	1250	99	90 - 110	P	09/25/2025	14:21	LB137314
	Iron	4990	5000	100	90 - 110	P	09/25/2025	14:21	LB137314
	Lead	4840	5000	97	90 - 110	P	09/25/2025	14:21	LB137314
	Magnesium	24100	25000	96	90 - 110	P	09/25/2025	14:21	LB137314
	Manganese	2390	2500	96	90 - 110	P	09/25/2025	14:21	LB137314
	Nickel	2440	2500	98	90 - 110	P	09/25/2025	14:21	LB137314
	Potassium	26100	25000	104	90 - 110	P	09/25/2025	14:21	LB137314
	Selenium	5080	5000	102	90 - 110	P	09/25/2025	14:21	LB137314
	Silver	1220	1250	98	90 - 110	P	09/25/2025	14:21	LB137314
	Sodium	24200	25000	97	90 - 110	P	09/25/2025	14:21	LB137314
	Thallium	5040	5000	101	90 - 110	P	09/25/2025	14:21	LB137314
	Vanadium	2460	2500	98	90 - 110	P	09/25/2025	14:21	LB137314
	Zinc	2470	2500	99	90 - 110	P	09/25/2025	14:21	LB137314
CCV04	Aluminum	9860	10000	99	90 - 110	P	09/25/2025	15:16	LB137314
	Antimony	4980	5000	100	90 - 110	P	09/25/2025	15:16	LB137314

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	4950	5000	99	90 - 110	P	09/25/2025	15:16	LB137314
	Barium	9580	10000	96	90 - 110	P	09/25/2025	15:16	LB137314
	Beryllium	240	250	96	90 - 110	P	09/25/2025	15:16	LB137314
	Cadmium	2440	2500	98	90 - 110	P	09/25/2025	15:16	LB137314
	Calcium	24400	25000	98	90 - 110	P	09/25/2025	15:16	LB137314
	Chromium	999	1000	100	90 - 110	P	09/25/2025	15:16	LB137314
	Cobalt	2430	2500	97	90 - 110	P	09/25/2025	15:16	LB137314
	Copper	1240	1250	99	90 - 110	P	09/25/2025	15:16	LB137314
	Iron	4980	5000	100	90 - 110	P	09/25/2025	15:16	LB137314
	Lead	4830	5000	97	90 - 110	P	09/25/2025	15:16	LB137314
	Magnesium	24300	25000	97	90 - 110	P	09/25/2025	15:16	LB137314
	Manganese	2380	2500	95	90 - 110	P	09/25/2025	15:16	LB137314
	Nickel	2440	2500	98	90 - 110	P	09/25/2025	15:16	LB137314
	Potassium	25200	25000	101	90 - 110	P	09/25/2025	15:16	LB137314
	Selenium	5040	5000	101	90 - 110	P	09/25/2025	15:16	LB137314
	Silver	1230	1250	99	90 - 110	P	09/25/2025	15:16	LB137314
	Sodium	23800	25000	95	90 - 110	P	09/25/2025	15:16	LB137314
	Thallium	5190	5000	104	90 - 110	P	09/25/2025	15:16	LB137314
	Vanadium	2480	2500	99	90 - 110	P	09/25/2025	15:16	LB137314
	Zinc	2510	2500	100	90 - 110	P	09/25/2025	15:16	LB137314
CCV05	Aluminum	10100	10000	101	90 - 110	P	09/25/2025	16:16	LB137314
	Antimony	5180	5000	104	90 - 110	P	09/25/2025	16:16	LB137314
	Arsenic	5170	5000	103	90 - 110	P	09/25/2025	16:16	LB137314
	Barium	9750	10000	98	90 - 110	P	09/25/2025	16:16	LB137314
	Beryllium	247	250	99	90 - 110	P	09/25/2025	16:16	LB137314
	Cadmium	2520	2500	101	90 - 110	P	09/25/2025	16:16	LB137314
	Calcium	25200	25000	101	90 - 110	P	09/25/2025	16:16	LB137314
	Chromium	1040	1000	104	90 - 110	P	09/25/2025	16:16	LB137314
	Cobalt	2510	2500	100	90 - 110	P	09/25/2025	16:16	LB137314
	Copper	1290	1250	103	90 - 110	P	09/25/2025	16:16	LB137314
	Iron	5350	5000	107	90 - 110	P	09/25/2025	16:16	LB137314
	Lead	4990	5000	100	90 - 110	P	09/25/2025	16:16	LB137314
	Magnesium	25000	25000	100	90 - 110	P	09/25/2025	16:16	LB137314
	Manganese	2480	2500	99	90 - 110	P	09/25/2025	16:16	LB137314

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	2520	2500	101	90 - 110	P	09/25/2025	16:16	LB137314
	Potassium	26600	25000	106	90 - 110	P	09/25/2025	16:16	LB137314
	Selenium	5280	5000	106	90 - 110	P	09/25/2025	16:16	LB137314
	Silver	1290	1250	103	90 - 110	P	09/25/2025	16:16	LB137314
	Sodium	25300	25000	101	90 - 110	P	09/25/2025	16:16	LB137314
	Thallium	5380	5000	108	90 - 110	P	09/25/2025	16:16	LB137314
	Vanadium	2560	2500	102	90 - 110	P	09/25/2025	16:16	LB137314
	Zinc	2640	2500	106	90 - 110	P	09/25/2025	16:16	LB137314
CCV06	Aluminum	10200	10000	102	90 - 110	P	09/25/2025	17:27	LB137314
	Antimony	5060	5000	101	90 - 110	P	09/25/2025	17:27	LB137314
	Arsenic	5030	5000	100	90 - 110	P	09/25/2025	17:27	LB137314
	Barium	9990	10000	100	90 - 110	P	09/25/2025	17:27	LB137314
	Beryllium	245	250	98	90 - 110	P	09/25/2025	17:27	LB137314
	Cadmium	2470	2500	99	90 - 110	P	09/25/2025	17:27	LB137314
	Calcium	25200	25000	101	90 - 110	P	09/25/2025	17:27	LB137314
	Chromium	1000	1000	100	90 - 110	P	09/25/2025	17:27	LB137314
	Cobalt	2460	2500	98	90 - 110	P	09/25/2025	17:27	LB137314
	Copper	1260	1250	101	90 - 110	P	09/25/2025	17:27	LB137314
	Iron	5030	5000	100	90 - 110	P	09/25/2025	17:27	LB137314
	Lead	4880	5000	98	90 - 110	P	09/25/2025	17:27	LB137314
	Magnesium	25300	25000	101	90 - 110	P	09/25/2025	17:27	LB137314
	Manganese	2500	2500	100	90 - 110	P	09/25/2025	17:27	LB137314
	Nickel	2460	2500	99	90 - 110	P	09/25/2025	17:27	LB137314
	Potassium	26300	25000	105	90 - 110	P	09/25/2025	17:27	LB137314
	Selenium	5110	5000	102	90 - 110	P	09/25/2025	17:27	LB137314
	Silver	1240	1250	99	90 - 110	P	09/25/2025	17:27	LB137314
	Sodium	24800	25000	99	90 - 110	P	09/25/2025	17:27	LB137314
	Thallium	5260	5000	105	90 - 110	P	09/25/2025	17:27	LB137314
	Vanadium	2570	2500	103	90 - 110	P	09/25/2025	17:27	LB137314
	Zinc	2520	2500	101	90 - 110	P	09/25/2025	17:27	LB137314
CCV07	Aluminum	10100	10000	101	90 - 110	P	09/25/2025	17:40	LB137314
	Antimony	5170	5000	103	90 - 110	P	09/25/2025	17:40	LB137314
	Arsenic	5120	5000	102	90 - 110	P	09/25/2025	17:40	LB137314
	Barium	9780	10000	98	90 - 110	P	09/25/2025	17:40	LB137314

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	244	250	98	90 - 110	P	09/25/2025	17:40	LB137314
	Cadmium	2520	2500	101	90 - 110	P	09/25/2025	17:40	LB137314
	Calcium	24900	25000	100	90 - 110	P	09/25/2025	17:40	LB137314
	Chromium	1040	1000	104	90 - 110	P	09/25/2025	17:40	LB137314
	Cobalt	2510	2500	100	90 - 110	P	09/25/2025	17:40	LB137314
	Copper	1280	1250	103	90 - 110	P	09/25/2025	17:40	LB137314
	Iron	5170	5000	103	90 - 110	P	09/25/2025	17:40	LB137314
	Lead	4980	5000	100	90 - 110	P	09/25/2025	17:40	LB137314
	Magnesium	24900	25000	100	90 - 110	P	09/25/2025	17:40	LB137314
	Manganese	2440	2500	98	90 - 110	P	09/25/2025	17:40	LB137314
	Nickel	2520	2500	101	90 - 110	P	09/25/2025	17:40	LB137314
	Potassium	26100	25000	104	90 - 110	P	09/25/2025	17:40	LB137314
	Selenium	5210	5000	104	90 - 110	P	09/25/2025	17:40	LB137314
	Silver	1280	1250	102	90 - 110	P	09/25/2025	17:40	LB137314
	Sodium	24300	25000	97	90 - 110	P	09/25/2025	17:40	LB137314
	Thallium	5360	5000	107	90 - 110	P	09/25/2025	17:40	LB137314
	Vanadium	2530	2500	101	90 - 110	P	09/25/2025	17:40	LB137314
	Zinc	2590	2500	104	90 - 110	P	09/25/2025	17:40	LB137314

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Weston Solutions, Inc.

SDG No.: Q3178

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
CRI01	Aluminum	122	100	122	65 - 135	P	09/25/2025	11:38	LB137314
	Antimony	54.2	50.0	108	65 - 135	P	09/25/2025	11:38	LB137314
	Arsenic	21.8	20.0	109	65 - 135	P	09/25/2025	11:38	LB137314
	Barium	105	100	105	65 - 135	P	09/25/2025	11:38	LB137314
	Beryllium	6.51	6.0	108	65 - 135	P	09/25/2025	11:38	LB137314
	Cadmium	6.34	6.0	106	65 - 135	P	09/25/2025	11:38	LB137314
	Calcium	2180	2000	109	65 - 135	P	09/25/2025	11:38	LB137314
	Chromium	10.7	10.0	107	65 - 135	P	09/25/2025	11:38	LB137314
	Cobalt	31.5	30.0	105	65 - 135	P	09/25/2025	11:38	LB137314
	Copper	22.6	20.0	113	65 - 135	P	09/25/2025	11:38	LB137314
	Iron	114	100	114	65 - 135	P	09/25/2025	11:38	LB137314
	Lead	11.4	12.0	95	65 - 135	P	09/25/2025	11:38	LB137314
	Magnesium	2190	2000	110	65 - 135	P	09/25/2025	11:38	LB137314
	Manganese	22.6	20.0	113	65 - 135	P	09/25/2025	11:38	LB137314
	Nickel	42.9	40.0	107	65 - 135	P	09/25/2025	11:38	LB137314
	Potassium	2140	2000	107	65 - 135	P	09/25/2025	11:38	LB137314
	Selenium	25.2	20.0	126	65 - 135	P	09/25/2025	11:38	LB137314
	Silver	11.0	10.0	110	65 - 135	P	09/25/2025	11:38	LB137314
	Sodium	2140	2000	107	65 - 135	P	09/25/2025	11:38	LB137314
	Thallium	42.8	40.0	107	65 - 135	P	09/25/2025	11:38	LB137314
	Vanadium	36.1	40.0	90	65 - 135	P	09/25/2025	11:38	LB137314
	Zinc	44.8	40.0	112	65 - 135	P	09/25/2025	11:38	LB137314
CRA	Mercury	0.16	0.2	81	70 - 130	CV	09/25/2025	12:36	LB137305



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

Contract: ROYF02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB46	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	12:28	LB137305

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

Contract: ROYF02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB39	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	12:33	LB137305
CCB40	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	13:03	LB137305
CCB41	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	13:34	LB137305
CCB42	Mercury	0.076	+/-0.2	U	0.20	CV	09/25/2025	13:42	LB137305

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	11.3	+/-50	U	100	P	09/25/2025	11:33	LB137314
	Antimony	6.76	+/-25	U	50.0	P	09/25/2025	11:33	LB137314
	Arsenic	5.12	+/-10	U	20.0	P	09/25/2025	11:33	LB137314
	Barium	14.6	+/-50	U	100	P	09/25/2025	11:33	LB137314
	Beryllium	0.56	+/-3	U	6.00	P	09/25/2025	11:33	LB137314
	Cadmium	0.50	+/-3	U	6.00	P	09/25/2025	11:33	LB137314
	Calcium	234	+/-1000	U	2000	P	09/25/2025	11:33	LB137314
	Chromium	2.12	+/-5	U	10.0	P	09/25/2025	11:33	LB137314
	Cobalt	2.26	+/-15	U	30.0	P	09/25/2025	11:33	LB137314
	Copper	4.60	+/-10	U	20.0	P	09/25/2025	11:33	LB137314
	Iron	23.4	+/-50	U	100	P	09/25/2025	11:33	LB137314
	Lead	2.30	+/-6	U	12.0	P	09/25/2025	11:33	LB137314
	Magnesium	244	+/-1000	U	2000	P	09/25/2025	11:33	LB137314
	Manganese	5.94	+/-10	U	20.0	P	09/25/2025	11:33	LB137314
	Nickel	3.06	+/-20	U	40.0	P	09/25/2025	11:33	LB137314
	Potassium	918	+/-1000	U	2000	P	09/25/2025	11:33	LB137314
	Selenium	9.64	+/-10	U	20.0	P	09/25/2025	11:33	LB137314
	Silver	1.62	+/-5	U	10.0	P	09/25/2025	11:33	LB137314
	Sodium	868	+/-1000	U	2000	P	09/25/2025	11:33	LB137314
	Thallium	4.38	+/-20	U	40.0	P	09/25/2025	11:33	LB137314
	Vanadium	6.26	+/-20	U	40.0	P	09/25/2025	11:33	LB137314
	Zinc	16.7	+/-20	U	40.0	P	09/25/2025	11:33	LB137314

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	11.3	+/-50	U	100	P	09/25/2025	12:17	LB137314
	Antimony	6.76	+/-25	U	50.0	P	09/25/2025	12:17	LB137314
	Arsenic	5.12	+/-10	U	20.0	P	09/25/2025	12:17	LB137314
	Barium	14.6	+/-50	U	100	P	09/25/2025	12:17	LB137314
	Beryllium	0.56	+/-3	U	6.00	P	09/25/2025	12:17	LB137314
	Cadmium	0.50	+/-3	U	6.00	P	09/25/2025	12:17	LB137314
	Calcium	234	+/-1000	U	2000	P	09/25/2025	12:17	LB137314
	Chromium	2.12	+/-5	U	10.0	P	09/25/2025	12:17	LB137314
	Cobalt	2.26	+/-15	U	30.0	P	09/25/2025	12:17	LB137314
	Copper	4.60	+/-10	U	20.0	P	09/25/2025	12:17	LB137314
	Iron	23.4	+/-50	U	100	P	09/25/2025	12:17	LB137314
	Lead	2.30	+/-6	U	12.0	P	09/25/2025	12:17	LB137314
	Magnesium	244	+/-1000	U	2000	P	09/25/2025	12:17	LB137314
	Manganese	5.94	+/-10	U	20.0	P	09/25/2025	12:17	LB137314
	Nickel	3.06	+/-20	U	40.0	P	09/25/2025	12:17	LB137314
	Potassium	918	+/-1000	U	2000	P	09/25/2025	12:17	LB137314
	Selenium	9.64	+/-10	U	20.0	P	09/25/2025	12:17	LB137314
	Silver	1.62	+/-5	U	10.0	P	09/25/2025	12:17	LB137314
	Sodium	868	+/-1000	U	2000	P	09/25/2025	12:17	LB137314
	Thallium	4.38	+/-20	U	40.0	P	09/25/2025	12:17	LB137314
	Vanadium	6.26	+/-20	U	40.0	P	09/25/2025	12:17	LB137314
	Zinc	16.7	+/-20	U	40.0	P	09/25/2025	12:17	LB137314
CCB02	Aluminum	11.3	+/-50	U	100	P	09/25/2025	13:27	LB137314
	Antimony	6.76	+/-25	U	50.0	P	09/25/2025	13:27	LB137314
	Arsenic	5.12	+/-10	U	20.0	P	09/25/2025	13:27	LB137314
	Barium	14.6	+/-50	U	100	P	09/25/2025	13:27	LB137314
	Beryllium	0.56	+/-3	U	6.00	P	09/25/2025	13:27	LB137314
	Cadmium	0.50	+/-3	U	6.00	P	09/25/2025	13:27	LB137314
	Calcium	234	+/-1000	U	2000	P	09/25/2025	13:27	LB137314
	Chromium	2.12	+/-5	U	10.0	P	09/25/2025	13:27	LB137314
	Cobalt	2.26	+/-15	U	30.0	P	09/25/2025	13:27	LB137314
	Copper	4.60	+/-10	U	20.0	P	09/25/2025	13:27	LB137314
	Iron	23.4	+/-50	U	100	P	09/25/2025	13:27	LB137314
	Lead	2.30	+/-6	U	12.0	P	09/25/2025	13:27	LB137314
	Magnesium	244	+/-1000	U	2000	P	09/25/2025	13:27	LB137314
	Manganese	5.94	+/-10	U	20.0	P	09/25/2025	13:27	LB137314
	Nickel	3.06	+/-20	U	40.0	P	09/25/2025	13:27	LB137314
	Potassium	918	+/-1000	U	2000	P	09/25/2025	13:27	LB137314
	Selenium	9.64	+/-10	U	20.0	P	09/25/2025	13:27	LB137314

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	09/25/2025	13:27	LB137314
	Sodium	868	+/-1000	U	2000	P	09/25/2025	13:27	LB137314
	Thallium	4.38	+/-20	U	40.0	P	09/25/2025	13:27	LB137314
	Vanadium	6.26	+/-20	U	40.0	P	09/25/2025	13:27	LB137314
	Zinc	16.7	+/-20	U	40.0	P	09/25/2025	13:27	LB137314
CCB03	Aluminum	11.3	+/-50	U	100	P	09/25/2025	14:30	LB137314
	Antimony	6.76	+/-25	U	50.0	P	09/25/2025	14:30	LB137314
	Arsenic	5.12	+/-10	U	20.0	P	09/25/2025	14:30	LB137314
	Barium	14.6	+/-50	U	100	P	09/25/2025	14:30	LB137314
	Beryllium	0.56	+/-3	U	6.00	P	09/25/2025	14:30	LB137314
	Cadmium	0.50	+/-3	U	6.00	P	09/25/2025	14:30	LB137314
	Calcium	234	+/-1000	U	2000	P	09/25/2025	14:30	LB137314
	Chromium	2.12	+/-5	U	10.0	P	09/25/2025	14:30	LB137314
	Cobalt	2.26	+/-15	U	30.0	P	09/25/2025	14:30	LB137314
	Copper	4.60	+/-10	U	20.0	P	09/25/2025	14:30	LB137314
	Iron	23.4	+/-50	U	100	P	09/25/2025	14:30	LB137314
	Lead	2.30	+/-6	U	12.0	P	09/25/2025	14:30	LB137314
	Magnesium	244	+/-1000	U	2000	P	09/25/2025	14:30	LB137314
	Manganese	5.94	+/-10	U	20.0	P	09/25/2025	14:30	LB137314
	Nickel	3.06	+/-20	U	40.0	P	09/25/2025	14:30	LB137314
	Potassium	918	+/-1000	U	2000	P	09/25/2025	14:30	LB137314
	Selenium	9.64	+/-10	U	20.0	P	09/25/2025	14:30	LB137314
	Silver	1.62	+/-5	U	10.0	P	09/25/2025	14:30	LB137314
	Sodium	868	+/-1000	U	2000	P	09/25/2025	14:30	LB137314
	Thallium	4.38	+/-20	U	40.0	P	09/25/2025	14:30	LB137314
	Vanadium	6.26	+/-20	U	40.0	P	09/25/2025	14:30	LB137314
	Zinc	16.7	+/-20	U	40.0	P	09/25/2025	14:30	LB137314
CCB04	Aluminum	11.3	+/-50	U	100	P	09/25/2025	15:20	LB137314
	Antimony	6.76	+/-25	U	50.0	P	09/25/2025	15:20	LB137314
	Arsenic	5.12	+/-10	U	20.0	P	09/25/2025	15:20	LB137314
	Barium	14.6	+/-50	U	100	P	09/25/2025	15:20	LB137314
	Beryllium	0.56	+/-3	U	6.00	P	09/25/2025	15:20	LB137314
	Cadmium	0.50	+/-3	U	6.00	P	09/25/2025	15:20	LB137314
	Calcium	234	+/-1000	U	2000	P	09/25/2025	15:20	LB137314
	Chromium	2.12	+/-5	U	10.0	P	09/25/2025	15:20	LB137314
	Cobalt	2.26	+/-15	U	30.0	P	09/25/2025	15:20	LB137314
	Copper	4.60	+/-10	U	20.0	P	09/25/2025	15:20	LB137314
	Iron	23.4	+/-50	U	100	P	09/25/2025	15:20	LB137314
	Lead	2.30	+/-6	U	12.0	P	09/25/2025	15:20	LB137314

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	09/25/2025	15:20	LB137314
	Manganese	5.94	+/-10	U	20.0	P	09/25/2025	15:20	LB137314
	Nickel	3.06	+/-20	U	40.0	P	09/25/2025	15:20	LB137314
	Potassium	918	+/-1000	U	2000	P	09/25/2025	15:20	LB137314
	Selenium	9.64	+/-10	U	20.0	P	09/25/2025	15:20	LB137314
	Silver	1.62	+/-5	U	10.0	P	09/25/2025	15:20	LB137314
	Sodium	868	+/-1000	U	2000	P	09/25/2025	15:20	LB137314
	Thallium	4.38	+/-20	U	40.0	P	09/25/2025	15:20	LB137314
	Vanadium	6.26	+/-20	U	40.0	P	09/25/2025	15:20	LB137314
	Zinc	16.7	+/-20	U	40.0	P	09/25/2025	15:20	LB137314
CCB05	Aluminum	11.3	+/-50	U	100	P	09/25/2025	16:20	LB137314
	Antimony	6.76	+/-25	U	50.0	P	09/25/2025	16:20	LB137314
	Arsenic	5.12	+/-10	U	20.0	P	09/25/2025	16:20	LB137314
	Barium	14.6	+/-50	U	100	P	09/25/2025	16:20	LB137314
	Beryllium	0.56	+/-3	U	6.00	P	09/25/2025	16:20	LB137314
	Cadmium	0.50	+/-3	U	6.00	P	09/25/2025	16:20	LB137314
	Calcium	234	+/-1000	U	2000	P	09/25/2025	16:20	LB137314
	Chromium	2.12	+/-5	U	10.0	P	09/25/2025	16:20	LB137314
	Cobalt	2.26	+/-15	U	30.0	P	09/25/2025	16:20	LB137314
	Copper	4.60	+/-10	U	20.0	P	09/25/2025	16:20	LB137314
	Iron	23.4	+/-50	U	100	P	09/25/2025	16:20	LB137314
	Lead	2.30	+/-6	U	12.0	P	09/25/2025	16:20	LB137314
	Magnesium	244	+/-1000	U	2000	P	09/25/2025	16:20	LB137314
	Manganese	5.94	+/-10	U	20.0	P	09/25/2025	16:20	LB137314
	Nickel	3.06	+/-20	U	40.0	P	09/25/2025	16:20	LB137314
	Potassium	918	+/-1000	U	2000	P	09/25/2025	16:20	LB137314
	Selenium	9.64	+/-10	U	20.0	P	09/25/2025	16:20	LB137314
	Silver	1.62	+/-5	U	10.0	P	09/25/2025	16:20	LB137314
	Sodium	868	+/-1000	U	2000	P	09/25/2025	16:20	LB137314
	Thallium	4.38	+/-20	U	40.0	P	09/25/2025	16:20	LB137314
	Vanadium	6.26	+/-20	U	40.0	P	09/25/2025	16:20	LB137314
	Zinc	16.7	+/-20	U	40.0	P	09/25/2025	16:20	LB137314
CCB06	Aluminum	11.3	+/-50	U	100	P	09/25/2025	17:31	LB137314
	Antimony	6.76	+/-25	U	50.0	P	09/25/2025	17:31	LB137314
	Arsenic	5.12	+/-10	U	20.0	P	09/25/2025	17:31	LB137314
	Barium	14.6	+/-50	U	100	P	09/25/2025	17:31	LB137314
	Beryllium	0.56	+/-3	U	6.00	P	09/25/2025	17:31	LB137314
	Cadmium	0.50	+/-3	U	6.00	P	09/25/2025	17:31	LB137314
	Calcium	234	+/-1000	U	2000	P	09/25/2025	17:31	LB137314

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

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	09/25/2025	17:31	LB137314
	Cobalt	2.26	+/-15	U	30.0	P	09/25/2025	17:31	LB137314
	Copper	4.60	+/-10	U	20.0	P	09/25/2025	17:31	LB137314
	Iron	23.4	+/-50	U	100	P	09/25/2025	17:31	LB137314
	Lead	2.30	+/-6	U	12.0	P	09/25/2025	17:31	LB137314
	Magnesium	244	+/-1000	U	2000	P	09/25/2025	17:31	LB137314
	Manganese	5.94	+/-10	U	20.0	P	09/25/2025	17:31	LB137314
	Nickel	3.06	+/-20	U	40.0	P	09/25/2025	17:31	LB137314
	Potassium	918	+/-1000	U	2000	P	09/25/2025	17:31	LB137314
	Selenium	9.64	+/-10	U	20.0	P	09/25/2025	17:31	LB137314
	Silver	1.62	+/-5	U	10.0	P	09/25/2025	17:31	LB137314
	Sodium	868	+/-1000	U	2000	P	09/25/2025	17:31	LB137314
	Thallium	4.38	+/-20	U	40.0	P	09/25/2025	17:31	LB137314
	Vanadium	6.26	+/-20	U	40.0	P	09/25/2025	17:31	LB137314
	Zinc	16.7	+/-20	U	40.0	P	09/25/2025	17:31	LB137314
CCB07	Aluminum	11.3	+/-50	U	100	P	09/25/2025	17:44	LB137314
	Antimony	6.76	+/-25	U	50.0	P	09/25/2025	17:44	LB137314
	Arsenic	5.12	+/-10	U	20.0	P	09/25/2025	17:44	LB137314
	Barium	14.6	+/-50	U	100	P	09/25/2025	17:44	LB137314
	Beryllium	0.56	+/-3	U	6.00	P	09/25/2025	17:44	LB137314
	Cadmium	0.50	+/-3	U	6.00	P	09/25/2025	17:44	LB137314
	Calcium	234	+/-1000	U	2000	P	09/25/2025	17:44	LB137314
	Chromium	2.12	+/-5	U	10.0	P	09/25/2025	17:44	LB137314
	Cobalt	2.26	+/-15	U	30.0	P	09/25/2025	17:44	LB137314
	Copper	4.60	+/-10	U	20.0	P	09/25/2025	17:44	LB137314
	Iron	23.4	+/-50	U	100	P	09/25/2025	17:44	LB137314
	Lead	2.30	+/-6	U	12.0	P	09/25/2025	17:44	LB137314
	Magnesium	244	+/-1000	U	2000	P	09/25/2025	17:44	LB137314
	Manganese	5.94	+/-10	U	20.0	P	09/25/2025	17:44	LB137314
	Nickel	3.06	+/-20	U	40.0	P	09/25/2025	17:44	LB137314
	Potassium	918	+/-1000	U	2000	P	09/25/2025	17:44	LB137314
	Selenium	9.64	+/-10	U	20.0	P	09/25/2025	17:44	LB137314
	Silver	1.62	+/-5	U	10.0	P	09/25/2025	17:44	LB137314
	Sodium	868	+/-1000	U	2000	P	09/25/2025	17:44	LB137314
	Thallium	4.38	+/-20	U	40.0	P	09/25/2025	17:44	LB137314
	Vanadium	6.26	+/-20	U	40.0	P	09/25/2025	17:44	LB137314
	Zinc	16.7	+/-20	U	40.0	P	09/25/2025	17:44	LB137314

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169842BL		SOLID		Batch Number:	PB169842		Prep Date:	09/25/2025	
	Mercury	0.0080	<0.014	U	0.014	CV	09/25/2025	12:43	LB137305

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169833BL	SOLID			Batch Number:	PB169833		Prep Date:	09/25/2025	
	Aluminum	0.84	<2.5	U	5.00	P	09/25/2025	13:32	LB137314
	Antimony	0.22	<1.25	U	2.50	P	09/25/2025	13:32	LB137314
	Arsenic	0.19	<0.5	U	1.00	P	09/25/2025	13:32	LB137314
	Barium	0.73	<2.5	U	5.00	P	09/25/2025	13:32	LB137314
	Beryllium	0.025	<0.15	U	0.30	P	09/25/2025	13:32	LB137314
	Cadmium	0.024	<0.15	U	0.30	P	09/25/2025	13:32	LB137314
	Calcium	11.1	<50	U	100	P	09/25/2025	13:32	LB137314
	Chromium	0.047	<0.25	U	0.50	P	09/25/2025	13:32	LB137314
	Cobalt	0.10	<0.75	U	1.50	P	09/25/2025	13:32	LB137314
	Copper	0.22	<0.5	U	1.00	P	09/25/2025	13:32	LB137314
	Iron	3.99	<2.5	U	5.00	P	09/25/2025	13:32	LB137314
	Lead	0.13	<0.3	U	0.60	P	09/25/2025	13:32	LB137314
	Magnesium	12.0	<50	U	100	P	09/25/2025	13:32	LB137314
	Manganese	0.14	<0.5	U	1.00	P	09/25/2025	13:32	LB137314
	Nickel	0.13	<1	U	2.00	P	09/25/2025	13:32	LB137314
	Potassium	27.7	<50	U	100	P	09/25/2025	13:32	LB137314
	Selenium	0.26	<0.5	U	1.00	P	09/25/2025	13:32	LB137314
	Silver	0.12	<0.25	U	0.50	P	09/25/2025	13:32	LB137314
	Sodium	17.8	<50	U	100	P	09/25/2025	13:32	LB137314
	Thallium	0.23	<1	U	2.00	P	09/25/2025	13:32	LB137314
	Vanadium	0.25	<1	U	2.00	P	09/25/2025	13:32	LB137314
	Zinc	0.23	<1	U	2.00	P	09/25/2025	13:32	LB137314

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Weston Solutions, Inc.</u>	SDG No.: <u>Q3178</u>
Contract: <u>ROYF02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	283000	255000	111	216000	294000	09/25/2025	11:42	LB137314
	Antimony	-3.99			-50	50	09/25/2025	11:42	LB137314
	Arsenic	3.12			-20	20	09/25/2025	11:42	LB137314
	Barium	1.85	6.0	31	-94	106	09/25/2025	11:42	LB137314
	Beryllium	2.29			-6	6	09/25/2025	11:42	LB137314
	Cadmium	1.36	1.0	136	-5	7	09/25/2025	11:42	LB137314
	Calcium	268000	245000	109	208000	282000	09/25/2025	11:42	LB137314
	Chromium	51.7	52.0	99	42	62	09/25/2025	11:42	LB137314
	Cobalt	1.04			-30	30	09/25/2025	11:42	LB137314
	Copper	13.1	2.0	655	-18	22	09/25/2025	11:42	LB137314
	Iron	114000	101000	113	85600	116500	09/25/2025	11:42	LB137314
	Lead	-7.23			-12	12	09/25/2025	11:42	LB137314
	Magnesium	284000	255000	111	216000	294000	09/25/2025	11:42	LB137314
	Manganese	6.88	7.0	98	-13	27	09/25/2025	11:42	LB137314
	Nickel	3.09	2.0	154	-38	42	09/25/2025	11:42	LB137314
	Potassium	81.6			0	0	09/25/2025	11:42	LB137314
	Selenium	10.6			-20	20	09/25/2025	11:42	LB137314
	Silver	-2.79			-10	10	09/25/2025	11:42	LB137314
	Sodium	-1.08			0	0	09/25/2025	11:42	LB137314
	Thallium	0.46			-40	40	09/25/2025	11:42	LB137314
	Vanadium	2.04			-40	40	09/25/2025	11:42	LB137314
	Zinc	1.46			-40	40	09/25/2025	11:42	LB137314
ICSAB01	Aluminum	251000	247000	102	209000	285000	09/25/2025	11:46	LB137314
	Antimony	639	618	103	525	711	09/25/2025	11:46	LB137314
	Arsenic	112	104	108	88.4	120	09/25/2025	11:46	LB137314
	Barium	497	537	93	437	637	09/25/2025	11:46	LB137314
	Beryllium	512	495	103	420	570	09/25/2025	11:46	LB137314
	Cadmium	1030	972	106	826	1120	09/25/2025	11:46	LB137314
	Calcium	237000	235000	101	199000	271000	09/25/2025	11:46	LB137314
	Chromium	576	542	106	460	624	09/25/2025	11:46	LB137314
	Cobalt	514	476	108	404	548	09/25/2025	11:46	LB137314
	Copper	511	511	100	434	588	09/25/2025	11:46	LB137314
	Iron	104000	99300	105	84400	114500	09/25/2025	11:46	LB137314
	Lead	41.9	49.0	86	37	61	09/25/2025	11:46	LB137314
	Magnesium	251000	248000	101	210000	286000	09/25/2025	11:46	LB137314
	Manganese	495	507	98	430	584	09/25/2025	11:46	LB137314
	Nickel	1030	954	108	810	1100	09/25/2025	11:46	LB137314
	Potassium	14.4			0	0	09/25/2025	11:46	LB137314
	Selenium	60.7	46.0	132	26	66	09/25/2025	11:46	LB137314
	Silver	220	201	110	170	232	09/25/2025	11:46	LB137314
	Sodium	35.3			0	0	09/25/2025	11:46	LB137314
	Thallium	115	108	106	68	148	09/25/2025	11:46	LB137314

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Weston Solutions, Inc.</u>	SDG No.: <u>Q3178</u>
Contract: <u>ROYF02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	489	491	100	417	565	09/25/2025	11:46	LB137314
	Zinc	1090	952	114	809	1095	09/25/2025	11:46	LB137314



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Weston Solutions, Inc. **level:** low **sdg no.:** Q3178
contract: ROYF02 **lab code:** ACE
matrix: Solid **sample id:** Q3178-01 **client id:** EME-TS14-01MS

Percent Solids for Sample: 71.4 **Spiked ID:** Q3178-02 **Percent Solids for Spike Sample:** 71.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	16600		16000		120	519		P
Antimony	mg/Kg	75 - 125	24.0		3.37	U	48.7	49	N	P
Arsenic	mg/Kg	75 - 125	52.2		6.34		48.7	94		P
Barium	mg/Kg	75 - 125	48.8		38.1		12.2	88		P
Beryllium	mg/Kg	75 - 125	11.0		0.48		12.2	87		P
Cadmium	mg/Kg	75 - 125	12.0		0.19	J	12.2	97		P
Calcium	mg/Kg	75 - 125	4960		5350		60.9	-627		P
Chromium	mg/Kg	75 - 125	36.1		12.0		24.4	99		P
Cobalt	mg/Kg	75 - 125	15.5		3.44		12.2	99		P
Copper	mg/Kg	75 - 125	34.0		19.4		18.3	80		P
Iron	mg/Kg	75 - 125	15300		15500		180	-103		P
Lead	mg/Kg	75 - 125	70.7		13.3		60.9	94		P
Magnesium	mg/Kg	75 - 125	1430		1390		120	30		P
Manganese	mg/Kg	75 - 125	755		715		12.2	321		P
Mercury	mg/Kg	80 - 120	0.38		0.020	U	0.33	114		CV
Nickel	mg/Kg	75 - 125	37.8		7.35		30.4	100		P
Potassium	mg/Kg	75 - 125	1580		938		610	105		P
Selenium	mg/Kg	75 - 125	114		1.14	J	120	94		P
Silver	mg/Kg	75 - 125	7.32		0.67	U	4.6	159	N	P
Sodium	mg/Kg	75 - 125	317		149		180	93		P
Thallium	mg/Kg	75 - 125	121		2.69	U	120	101		P
Vanadium	mg/Kg	75 - 125	36.9		20.3		18.3	91		P
Zinc	mg/Kg	75 - 125	59.6		48.4		12.2	92		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions, Inc. **level:** low **sdg no.:** Q3178
contract: ROYF02 **lab code:** ACE
matrix: Solid **sample id:** Q3178-01 **client id:** EME-TS14-01MSD

Percent Solids for Sample: 71.4 **Spiked ID:** Q3178-03 **Percent Solids for Spike Sample:** 71.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	15700		16000		130	-264		P
Antimony	mg/Kg	75 - 125	25.5		3.37	U	50.9	50	N	P
Arsenic	mg/Kg	75 - 125	53.9		6.34		50.9	93		P
Barium	mg/Kg	75 - 125	51.6		38.1		12.7	106		P
Beryllium	mg/Kg	75 - 125	11.9		0.48		12.7	90		P
Cadmium	mg/Kg	75 - 125	12.7		0.19	J	12.7	98		P
Calcium	mg/Kg	75 - 125	5590		5350		63.7	384		P
Chromium	mg/Kg	75 - 125	37.8		12.0		25.5	101		P
Cobalt	mg/Kg	75 - 125	16.3		3.44		12.7	101		P
Copper	mg/Kg	75 - 125	35.9		19.4		19.1	87		P
Iron	mg/Kg	75 - 125	15600		15500		190	48		P
Lead	mg/Kg	75 - 125	74.4		13.3		63.7	96		P
Magnesium	mg/Kg	75 - 125	1590		1390		130	154		P
Manganese	mg/Kg	75 - 125	775		715		12.7	471		P
Mercury	mg/Kg	80 - 120	0.40		0.020	U	0.36	111		CV
Nickel	mg/Kg	75 - 125	39.8		7.35		31.8	102		P
Potassium	mg/Kg	75 - 125	1680		938		640	116		P
Selenium	mg/Kg	75 - 125	121		1.14	J	130	92		P
Silver	mg/Kg	75 - 125	7.74		0.67	U	4.8	161	N	P
Sodium	mg/Kg	75 - 125	348		149		190	105		P
Thallium	mg/Kg	75 - 125	127		2.69	U	130	98		P
Vanadium	mg/Kg	75 - 125	38.4		20.3		19.1	95		P
Zinc	mg/Kg	75 - 125	62.6		48.4		12.7	112		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

Contract: ROYF02

Lab Code: ACE

Matrix: Solid

Level: LOW

Client ID: EME-TS14-01A

Sample ID: Q3178-01 **Spiked ID:** Q3178-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	51.7		3.37	U	53.9	96		P
Silver	mg/Kg	75 - 125	7.75		0.67	U	5.10	152	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Weston Solutions, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3178</u>
Contract:	<u>ROYF02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3178-01</u>	Client ID:	<u>EME-TS14-01DUP</u>
Percent Solids for Sample:	71.4	Duplicate ID	Q3178-01DUP	Percent Solids for Spike Sample:	71.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	16000		14900		7		P
Antimony	mg/Kg	20	3.37	U	3.10	U			P
Arsenic	mg/Kg	20	6.34		5.94		7		P
Barium	mg/Kg	20	38.1		34.9		9		P
Beryllium	mg/Kg	20	0.48		0.45		6		P
Cadmium	mg/Kg	20	0.19	J	0.23	J	17		P
Calcium	mg/Kg	20	5350		4990		7		P
Chromium	mg/Kg	20	12.0		11.0		9		P
Cobalt	mg/Kg	20	3.44		3.17		8		P
Copper	mg/Kg	20	19.4		19.8		2		P
Iron	mg/Kg	20	15500		13900		11		P
Lead	mg/Kg	20	13.3		12.0		10		P
Magnesium	mg/Kg	20	1390		1290		7		P
Manganese	mg/Kg	20	715		665		7		P
Mercury	mg/Kg	20	0.020	U	0.019	U			CV
Nickel	mg/Kg	20	7.35		6.77		8		P
Potassium	mg/Kg	20	938		827		13		P
Selenium	mg/Kg	20	1.14	J	1.08	J	5		P
Silver	mg/Kg	20	0.67	U	2.86		200.0		P
Sodium	mg/Kg	20	149		128		15		P
Thallium	mg/Kg	20	2.69	U	2.48	U			P
Vanadium	mg/Kg	20	20.3		18.8		8		P
Zinc	mg/Kg	20	48.4		44.6		8		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Weston Solutions, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3178</u>
Contract:	<u>ROYF02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3178-02</u>	Client ID:	<u>EME-TS14-01MSD</u>
Percent Solids for Sample:	71.4	Duplicate ID	Q3178-03	Percent Solids for Spike Sample:	71.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	16600		15700		6		P
Antimony	mg/Kg	20	24.0		25.5		6		P
Arsenic	mg/Kg	20	52.2		53.9		3		P
Barium	mg/Kg	20	48.8		51.6		6		P
Beryllium	mg/Kg	20	11.0		11.9		8		P
Cadmium	mg/Kg	20	12.0		12.7		6		P
Calcium	mg/Kg	20	4960		5590		12		P
Chromium	mg/Kg	20	36.1		37.8		5		P
Cobalt	mg/Kg	20	15.5		16.3		5		P
Copper	mg/Kg	20	34.0		35.9		5		P
Iron	mg/Kg	20	15300		15600		2		P
Lead	mg/Kg	20	70.7		74.4		5		P
Magnesium	mg/Kg	20	1430		1590		11		P
Manganese	mg/Kg	20	755		775		3		P
Mercury	mg/Kg	20	0.38		0.40		6		CV
Nickel	mg/Kg	20	37.8		39.8		5		P
Potassium	mg/Kg	20	1580		1680		6		P
Selenium	mg/Kg	20	114		121		6		P
Silver	mg/Kg	20	7.32		7.74		6		P
Sodium	mg/Kg	20	317		348		9		P
Thallium	mg/Kg	20	121		127		5		P
Vanadium	mg/Kg	20	36.9		38.4		4		P
Zinc	mg/Kg	20	59.6		62.6		5		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Weston Solutions, Inc.</u>	SDG No.:	<u>Q3178</u>
Contract:	<u>ROYF02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169833BS							
Aluminum	mg/Kg	100	94.3		94	80 - 120	P
Antimony	mg/Kg	40.0	38.8		97	80 - 120	P
Arsenic	mg/Kg	40.0	37.2		93	80 - 120	P
Barium	mg/Kg	10.0	8.95		90	80 - 120	P
Beryllium	mg/Kg	10.0	9.33		93	80 - 120	P
Cadmium	mg/Kg	10.0	9.01		90	80 - 120	P
Calcium	mg/Kg	50.0	48.3	J	97	80 - 120	P
Chromium	mg/Kg	20.0	19.0		95	80 - 120	P
Cobalt	mg/Kg	10.0	9.12		91	80 - 120	P
Copper	mg/Kg	15.0	14.5		97	80 - 120	P
Iron	mg/Kg	150	142		95	80 - 120	P
Lead	mg/Kg	50.0	44.6		89	80 - 120	P
Magnesium	mg/Kg	100	94.8	J	95	80 - 120	P
Manganese	mg/Kg	10.0	9.42		94	80 - 120	P
Nickel	mg/Kg	25.0	23.0		92	80 - 120	P
Potassium	mg/Kg	500	480		96	80 - 120	P
Selenium	mg/Kg	100	95.0		95	80 - 120	P
Silver	mg/Kg	3.8	3.38		89	80 - 120	P
Sodium	mg/Kg	150	143		95	80 - 120	P
Thallium	mg/Kg	100	95.1		95	80 - 120	P
Vanadium	mg/Kg	15.0	14.3		95	80 - 120	P
Zinc	mg/Kg	10.0	9.79		98	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

Contract: ROYF02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169842BS Mercury	mg/Kg	0.28	0.33		119	80 - 120	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

EME-TS14-01L

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **Lb No.:** lb137314 **Lab Sample ID :** Q3178-01L **SDG No.:** Q3178
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Aluminum	16000		16600		3		P
Antimony	3.37	U	16.8	U			P
Arsenic	6.34		6.53	J	3		P
Barium	38.1		37.1		3		P
Beryllium	0.48		0.52	J	8		P
Cadmium	0.19	J	2.02	U	100.0		P
Calcium	5350		5630		5		P
Chromium	12.0		12.4		4		P
Cobalt	3.44		3.14	J	9		P
Copper	19.4		22.5		17		P
Iron	15500		15800		2		P
Lead	13.3		12.4		7		P
Magnesium	1390		1480		6		P
Manganese	715		753		5		P
Mercury	0.020	U	0.098	U			CV
Nickel	7.35		7.06	J	4		P
Potassium	938		974		4		P
Selenium	1.14	J	6.73	U	100.0		P
Silver	0.67	U	3.38		100.0		P
Sodium	149		170	J	14		P
Thallium	2.69	U	13.5	U			P
Vanadium	20.3		19.9		2		P
Zinc	48.4		49.2		2		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions, Inc.

SDG No.: Q3178

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

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: Weston Solutions, Inc.

SDG No.: Q3178

Contract: ROYF02

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: Weston Solutions, Inc.

SDG No.: Q3178

Contract: ROYF02

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions, Inc.

SDG No.: Q3178

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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions, Inc.

SDG No.: Q3178

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

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

Contract: ROYF02

Lab Code: ACE

Method:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169833							
PB169833BL	PB169833BL	MB	SOLID	09/25/2025	2.00	100.0	100.00
PB169833BS	PB169833BS	LCS	SOLID	09/25/2025	2.00	100.0	100.00
Q3178-01	EME-TS14-01	SAM	SOLID	09/25/2025	2.08	100.0	71.40
Q3178-01DUP	EME-TS14-01DUP	DUP	SOLID	09/25/2025	2.26	100.0	71.40
Q3178-02	EME-TS14-01MS	MS	SOLID	09/25/2025	2.30	100.0	71.40
Q3178-03	EME-TS14-01MSD	MSD	SOLID	09/25/2025	2.20	100.0	71.40

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Weston Solutions, Inc.

SDG No.: Q3178

Contract: ROYF02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169842							
PB169842BL	PB169842BL	MB	SOLID	09/25/2025	0.50	35.0	100.00
PB169842BS	PB169842BS	LCS	SOLID	09/25/2025	0.50	35.0	100.00
Q3178-01	EME-TS14-01	SAM	SOLID	09/25/2025	0.50	35.0	71.40
Q3178-01DUP	EME-TS14-01DUP	DUP	SOLID	09/25/2025	0.52	35.0	71.40
Q3178-02	EME-TS14-01MS	MS	SOLID	09/25/2025	0.59	35.0	71.40
Q3178-03	EME-TS14-01MSD	MSD	SOLID	09/25/2025	0.54	35.0	71.40

metals
- 14 -
ANALYSIS RUN LOG

Client: Weston Solutions, Inc.

Contract: ROYF02

Lab code: ACE

Sdg no.: Q3178

Instrument id number: _____

Method: _____

Run number: LB137305

Start date: 09/25/2025

End date: 09/25/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1211	HG
S0.2	S0.2	1	1213	HG
S2.5	S2.5	1	1215	HG
S5	S5	1	1218	HG
S7.5	S7.5	1	1220	HG
S10	S10	1	1223	HG
ICV46	ICV46	1	1226	HG
ICB46	ICB46	1	1228	HG
CCV39	CCV39	1	1231	HG
CCB39	CCB39	1	1233	HG
CRA	CRA	1	1236	HG
PB169842BL	PB169842BL	1	1243	HG
PB169842BS	PB169842BS	1	1246	HG
Q3178-01	EME-TS14-01	1	1258	HG
CCV40	CCV40	1	1301	HG
CCB40	CCB40	1	1303	HG
Q3178-01DUP	EME-TS14-01DUP	1	1308	HG
Q3178-02	EME-TS14-01MS	1	1310	HG
Q3178-03	EME-TS14-01MSD	1	1312	HG
Q3178-01L	EME-TS14-01L	5	1330	HG
CCV41	CCV41	1	1332	HG
CCB41	CCB41	1	1334	HG
CCV42	CCV42	1	1339	HG
CCB42	CCB42	1	1342	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Weston Solutions, Inc.

Contract: ROYF02

Lab code: ACE

Sdg no.: Q3178

Instrument id number: _____

Method: _____

Run number: LB137314

Start date: 09/25/2025

End date: 09/25/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1055	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	1100	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	1104	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	1108	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	1112	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	1116	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	1120	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	1129	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	1133	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	1138	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	1142	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	1146	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	1212	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	1217	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	1323	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	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169833BL	PB169833BL	1	1332	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169833BS	PB169833BS	1	1336	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	1421	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	1430	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	1516	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	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3178-01	EME-TS14-01	1	1528	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3178-02	EME-TS14-01MS	1	1540	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3178-03	EME-TS14-01MSD	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3178-01A	EME-TS14-01A	1	1548	Ag,Sb
Q3178-01DUP	EME-TS14-01DUP	1	1607	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3178-01L	EME-TS14-01L	5	1611	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	1616	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	1620	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	1727	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	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1740	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	1744	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn