

LAB CHRONICLE

OrderID:	Q1295	OrderDate:	2/5/2025 11:41:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	N41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1295-01	TAPFTA-SB01D-02042 5-00-T1	SOIL			02/04/25			02/05/25
			Mercury	7471B		02/05/25	02/06/25	
			Metals ICP-TAL	6020B		02/14/25	02/17/25	

Hit Summary Sheet SW-846

SDG No.:	Q1295	Order ID:	Q1295
Client:	Weston Solutions	Project ID:	Ft Meade Tipton Airfield Parcel RI - PO 01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TAPFTA-SB01D-020425-00-T1									
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Aluminum	3400	D	1.28	2.28	4.56	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Antimony	0.032	JD	0.023	0.17	0.46	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Arsenic	0.72	D	0.021	0.057	0.23	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Barium	13.7	D	0.084	0.28	2.28	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Beryllium	0.16	JD	0.057	0.17	0.23	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Calcium	611	D	15.4	43.4	114	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Chromium	5.34	D	0.055	0.11	0.46	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Cobalt	1.08	D	0.018	0.057	0.23	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Copper	2.22	D	0.13	0.23	0.46	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Iron	4320	D	2.53	2.85	11.4	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Lead	3.39	D	0.034	0.17	0.23	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Magnesium	323	D	6.16	43.4	114	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Manganese	12.4	D	0.078	0.11	0.23	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Nickel	2.02	D	0.037	0.057	0.23	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Mercury	0.013		0.0060	0.011	0.013	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Potassium	165	D	9.08	43.4	114	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Thallium	0.050	JD	0.023	0.11	0.23	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Vanadium	7.63	D	0.018	0.057	1.14	mg/Kg
Q1295-01	TAPFTA-SB01D-020425-00-T1	SOIL	Zinc	5.97	D	0.30	0.34	1.14	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Weston Solutions	Date Collected:	02/04/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	02/05/25
Client Sample ID:	TAPFTA-SB01D-020425-00-T1	SDG No.:	Q1295
Lab Sample ID:	Q1295-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3400	D	5	1.28	2.28	4.56	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-36-0	Antimony	0.032	JD	5	0.023	0.17	0.46	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-38-2	Arsenic	0.72	DN	5	0.021	0.057	0.23	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-39-3	Barium	13.7	D	5	0.084	0.28	2.28	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-41-7	Beryllium	0.16	JD	5	0.057	0.17	0.23	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-43-9	Cadmium	0.17	UD	5	0.062	0.17	0.23	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-70-2	Calcium	611	D	5	15.4	43.4	114	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-47-3	Chromium	5.34	D	5	0.055	0.11	0.46	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-48-4	Cobalt	1.08	D	5	0.018	0.057	0.23	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-50-8	Copper	2.22	D	5	0.13	0.23	0.46	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7439-89-6	Iron	4320	DN	5	2.53	2.85	11.4	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7439-92-1	Lead	3.39	D	5	0.034	0.17	0.23	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7439-95-4	Magnesium	323	D	5	6.16	43.4	114	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7439-96-5	Manganese	12.4	D	5	0.078	0.11	0.23	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7439-97-6	Mercury	0.013		1	0.0060	0.011	0.013	mg/Kg	02/05/25 16:30	02/06/25 15:05	SW7471B	
7440-02-0	Nickel	2.02	D	5	0.037	0.057	0.23	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-09-7	Potassium	165	DN	5	9.08	43.4	114	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7782-49-2	Selenium	2.05	UD	10	0.55	2.05	2.28	mg/Kg	02/14/25 09:05	02/17/25 14:10	SW6020	SW3050
7440-22-4	Silver	0.11	UDN	5	0.059	0.11	0.23	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-23-5	Sodium	57.1	UD	5	13.9	57.1	114	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-28-0	Thallium	0.050	JD	5	0.023	0.11	0.23	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-62-2	Vanadium	7.63	D	5	0.018	0.057	1.14	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050
7440-66-6	Zinc	5.97	D	5	0.30	0.34	1.14	mg/Kg	02/14/25 09:05	02/17/25 13:29	SW6020	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

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

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



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295
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
ICV89	Mercury	3.68	4.0	92	90 - 110	CV	02/06/2025	13:40	LB134603

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295
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
CCV33	Mercury	5.31	5.0	106	90 - 110	CV	02/06/2025	13:45	LB134603
CCV34	Mercury	5.18	5.0	104	90 - 110	CV	02/06/2025	14:19	LB134603
CCV35	Mercury	5.31	5.0	106	90 - 110	CV	02/06/2025	14:52	LB134603
CCV36	Mercury	5.29	5.0	106	90 - 110	CV	02/06/2025	15:15	LB134603

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	486	500	97	90 - 110	P	02/17/2025	12:48	LB134737
	Antimony	212	200	106	90 - 110	P	02/17/2025	12:48	LB134737
	Arsenic	210	200	105	90 - 110	P	02/17/2025	12:48	LB134737
	Barium	101	100	101	90 - 110	P	02/17/2025	12:48	LB134737
	Beryllium	102	100	102	90 - 110	P	02/17/2025	12:48	LB134737
	Cadmium	103	100	103	90 - 110	P	02/17/2025	12:48	LB134737
	Calcium	2080	2000	104	90 - 110	P	02/17/2025	12:48	LB134737
	Chromium	101	100	101	90 - 110	P	02/17/2025	12:48	LB134737
	Cobalt	104	100	104	90 - 110	P	02/17/2025	12:48	LB134737
	Copper	105	100	105	90 - 110	P	02/17/2025	12:48	LB134737
	Iron	2080	2000	104	90 - 110	P	02/17/2025	12:48	LB134737
	Lead	204	200	102	90 - 110	P	02/17/2025	12:48	LB134737
	Magnesium	1160	1200	97	90 - 110	P	02/17/2025	12:48	LB134737
	Manganese	99.7	100	100	90 - 110	P	02/17/2025	12:48	LB134737
	Nickel	105	110	96	90 - 110	P	02/17/2025	12:48	LB134737
	Potassium	1950	2000	98	90 - 110	P	02/17/2025	12:48	LB134737
	Selenium	218	200	109	90 - 110	P	02/17/2025	12:48	LB134737
	Silver	48.5	50.0	97	90 - 110	P	02/17/2025	12:48	LB134737
	Sodium	2000	2000	100	90 - 110	P	02/17/2025	12:48	LB134737
	Thallium	202	210	96	90 - 110	P	02/17/2025	12:48	LB134737
	Vanadium	98.2	100	98	90 - 110	P	02/17/2025	12:48	LB134737
	Zinc	201	200	100	90 - 110	P	02/17/2025	12:48	LB134737

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1295

Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295

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
LLICV	Aluminum	20.2	20.0	101	80 - 120	P	02/17/2025	12:52	LB134737
	Antimony	2.02	2.0	101	80 - 120	P	02/17/2025	12:52	LB134737
	Arsenic	1.08	1.0	108	80 - 120	P	02/17/2025	12:52	LB134737
	Barium	9.80	10.0	98	80 - 120	P	02/17/2025	12:52	LB134737
	Beryllium	1.09	1.0	109	80 - 120	P	02/17/2025	12:52	LB134737
	Cadmium	1.09	1.0	109	80 - 120	P	02/17/2025	12:52	LB134737
	Calcium	501	500	100	80 - 120	P	02/17/2025	12:52	LB134737
	Chromium	1.99	2.0	100	80 - 120	P	02/17/2025	12:52	LB134737
	Cobalt	1.07	1.0	107	80 - 120	P	02/17/2025	12:52	LB134737
	Copper	2.08	2.0	104	80 - 120	P	02/17/2025	12:52	LB134737
	Iron	54.4	50.0	109	80 - 120	P	02/17/2025	12:52	LB134737
	Lead	1.00	1.0	100	80 - 120	P	02/17/2025	12:52	LB134737
	Magnesium	510	500	102	80 - 120	P	02/17/2025	12:52	LB134737
	Manganese	1.08	1.0	108	80 - 120	P	02/17/2025	12:52	LB134737
	Nickel	1.00	1.0	100	80 - 120	P	02/17/2025	12:52	LB134737
	Potassium	495	500	99	80 - 120	P	02/17/2025	12:52	LB134737
	Selenium	5.18	5.0	104	80 - 120	P	02/17/2025	12:52	LB134737
	Silver	1.00	1.0	100	80 - 120	P	02/17/2025	12:52	LB134737
	Sodium	508	500	102	80 - 120	P	02/17/2025	12:52	LB134737
	Thallium	0.96	1.0	96	80 - 120	P	02/17/2025	12:52	LB134737
	Vanadium	4.92	5.0	98	80 - 120	P	02/17/2025	12:52	LB134737
	Zinc	5.48	5.0	110	80 - 120	P	02/17/2025	12:52	LB134737

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions SDG No.: Q1295
Contract: WEST04 Lab Code: CHEM Case No.: Q1295 SAS No.: Q1295
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	50600	50000	101	90 - 110	P	02/17/2025	13:13	LB134737
	Antimony	496	500	99	90 - 110	P	02/17/2025	13:13	LB134737
	Arsenic	489	500	98	90 - 110	P	02/17/2025	13:13	LB134737
	Barium	2500	2500	100	90 - 110	P	02/17/2025	13:13	LB134737
	Beryllium	512	500	102	90 - 110	P	02/17/2025	13:13	LB134737
	Cadmium	488	500	98	90 - 110	P	02/17/2025	13:13	LB134737
	Calcium	253000	250000	101	90 - 110	P	02/17/2025	13:13	LB134737
	Chromium	490	500	98	90 - 110	P	02/17/2025	13:13	LB134737
	Cobalt	485	500	97	90 - 110	P	02/17/2025	13:13	LB134737
	Copper	4650	5000	93	90 - 110	P	02/17/2025	13:13	LB134737
	Iron	126000	125000	101	90 - 110	P	02/17/2025	13:13	LB134737
	Lead	2490	2500	100	90 - 110	P	02/17/2025	13:13	LB134737
	Magnesium	251000	250000	100	90 - 110	P	02/17/2025	13:13	LB134737
	Manganese	4930	5000	99	90 - 110	P	02/17/2025	13:13	LB134737
	Nickel	498	500	100	90 - 110	P	02/17/2025	13:13	LB134737
	Potassium	125000	125000	100	90 - 110	P	02/17/2025	13:13	LB134737
	Selenium	483	500	97	90 - 110	P	02/17/2025	13:13	LB134737
	Silver	488	500	98	90 - 110	P	02/17/2025	13:13	LB134737
	Sodium	252000	250000	101	90 - 110	P	02/17/2025	13:13	LB134737
	Thallium	506	500	101	90 - 110	P	02/17/2025	13:13	LB134737
	Vanadium	472	500	94	90 - 110	P	02/17/2025	13:13	LB134737
	Zinc	4760	5000	95	90 - 110	P	02/17/2025	13:13	LB134737
CCV02	Aluminum	50500	50000	101	90 - 110	P	02/17/2025	13:57	LB134737
	Antimony	489	500	98	90 - 110	P	02/17/2025	13:57	LB134737
	Arsenic	521	500	104	90 - 110	P	02/17/2025	13:57	LB134737
	Barium	2480	2500	99	90 - 110	P	02/17/2025	13:57	LB134737
	Beryllium	519	500	104	90 - 110	P	02/17/2025	13:57	LB134737
	Cadmium	489	500	98	90 - 110	P	02/17/2025	13:57	LB134737
	Calcium	252000	250000	101	90 - 110	P	02/17/2025	13:57	LB134737
	Chromium	492	500	98	90 - 110	P	02/17/2025	13:57	LB134737
	Cobalt	482	500	96	90 - 110	P	02/17/2025	13:57	LB134737
	Copper	4670	5000	93	90 - 110	P	02/17/2025	13:57	LB134737
	Iron	125000	125000	100	90 - 110	P	02/17/2025	13:57	LB134737
	Lead	2510	2500	100	90 - 110	P	02/17/2025	13:57	LB134737

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions SDG No.: Q1295
 Contract: WEST04 Lab Code: CHEM Case No.: Q1295 SAS No.: Q1295
 Initial Calibration Source: EPA
 Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	250000	250000	100	90 - 110	P	02/17/2025	13:57	LB134737
	Manganese	4920	5000	98	90 - 110	P	02/17/2025	13:57	LB134737
	Nickel	497	500	100	90 - 110	P	02/17/2025	13:57	LB134737
	Potassium	124000	125000	99	90 - 110	P	02/17/2025	13:57	LB134737
	Selenium	484	500	97	90 - 110	P	02/17/2025	13:57	LB134737
	Silver	483	500	97	90 - 110	P	02/17/2025	13:57	LB134737
	Sodium	249000	250000	100	90 - 110	P	02/17/2025	13:57	LB134737
	Thallium	509	500	102	90 - 110	P	02/17/2025	13:57	LB134737
	Vanadium	472	500	94	90 - 110	P	02/17/2025	13:57	LB134737
	Zinc	4790	5000	96	90 - 110	P	02/17/2025	13:57	LB134737
CCV03	Aluminum	50000	50000	100	90 - 110	P	02/17/2025	14:30	LB134737
	Antimony	482	500	96	90 - 110	P	02/17/2025	14:30	LB134737
	Arsenic	487	500	97	90 - 110	P	02/17/2025	14:30	LB134737
	Barium	2460	2500	98	90 - 110	P	02/17/2025	14:30	LB134737
	Beryllium	512	500	102	90 - 110	P	02/17/2025	14:30	LB134737
	Cadmium	479	500	96	90 - 110	P	02/17/2025	14:30	LB134737
	Calcium	253000	250000	101	90 - 110	P	02/17/2025	14:30	LB134737
	Chromium	484	500	97	90 - 110	P	02/17/2025	14:30	LB134737
	Cobalt	474	500	95	90 - 110	P	02/17/2025	14:30	LB134737
	Copper	4590	5000	92	90 - 110	P	02/17/2025	14:30	LB134737
	Iron	123000	125000	98	90 - 110	P	02/17/2025	14:30	LB134737
	Lead	2500	2500	100	90 - 110	P	02/17/2025	14:30	LB134737
	Magnesium	247000	250000	99	90 - 110	P	02/17/2025	14:30	LB134737
	Manganese	4870	5000	98	90 - 110	P	02/17/2025	14:30	LB134737
	Nickel	458	500	92	90 - 110	P	02/17/2025	14:30	LB134737
	Potassium	124000	125000	99	90 - 110	P	02/17/2025	14:30	LB134737
	Selenium	483	500	97	90 - 110	P	02/17/2025	14:30	LB134737
	Silver	476	500	95	90 - 110	P	02/17/2025	14:30	LB134737
	Sodium	246000	250000	98	90 - 110	P	02/17/2025	14:30	LB134737
	Thallium	506	500	101	90 - 110	P	02/17/2025	14:30	LB134737
	Vanadium	466	500	93	90 - 110	P	02/17/2025	14:30	LB134737
	Zinc	4690	5000	94	90 - 110	P	02/17/2025	14:30	LB134737



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

Metals

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CRDL STANDARD FOR AA & ICP

Client: Weston Solutions **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.18	0.2	89	40 - 160	CV	02/06/2025	13:49	LB134603
CRI	Aluminum	19.8	20.0	99	70 - 130	P	02/17/2025	13:19	LB134737
	Antimony	2.04	2.0	102	70 - 130	P	02/17/2025	13:19	LB134737
	Arsenic	1.03	1.0	103	70 - 130	P	02/17/2025	13:19	LB134737
	Barium	10.1	10.0	101	70 - 130	P	02/17/2025	13:19	LB134737
	Beryllium	1.13	1.0	113	70 - 130	P	02/17/2025	13:19	LB134737
	Cadmium	1.08	1.0	108	70 - 130	P	02/17/2025	13:19	LB134737
	Calcium	500	500	100	70 - 130	P	02/17/2025	13:19	LB134737
	Chromium	1.96	2.0	98	70 - 130	P	02/17/2025	13:19	LB134737
	Cobalt	1.07	1.0	107	50 - 150	P	02/17/2025	13:19	LB134737
	Copper	2.06	2.0	103	70 - 130	P	02/17/2025	13:19	LB134737
	Iron	53.0	50.0	106	70 - 130	P	02/17/2025	13:19	LB134737
	Lead	1.03	1.0	103	70 - 130	P	02/17/2025	13:19	LB134737
	Magnesium	512	500	102	70 - 130	P	02/17/2025	13:19	LB134737
	Manganese	1.29	1.0	129	50 - 150	P	02/17/2025	13:19	LB134737
	Nickel	1.08	1.0	108	70 - 130	P	02/17/2025	13:19	LB134737
	Potassium	501	500	100	70 - 130	P	02/17/2025	13:19	LB134737
	Selenium	5.37	5.0	107	70 - 130	P	02/17/2025	13:19	LB134737
	Silver	0.98	1.0	98	70 - 130	P	02/17/2025	13:19	LB134737
	Sodium	526	500	105	70 - 130	P	02/17/2025	13:19	LB134737
	Thallium	0.98	1.0	98	70 - 130	P	02/17/2025	13:19	LB134737
	Vanadium	4.91	5.0	98	70 - 130	P	02/17/2025	13:19	LB134737
	Zinc	5.56	5.0	111	50 - 150	P	02/17/2025	13:19	LB134737



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 **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB89	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/06/2025	13:42	LB134603

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Weston Solutions</u>		SDG No.: <u>Q1295</u>								
Contract: <u>WEST04</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1295</u>	SAS No.: <u>Q1295</u>							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB33	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/06/2025	13:47	LB134603
CCB34	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/06/2025	14:22	LB134603
CCB35	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/06/2025	14:54	LB134603
CCB36	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/06/2025	15:17	LB134603

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions SDG No.: Q1295
Contract: WEST04 Lab Code: CHEM Case No.: Q1295 SAS No.: Q1295

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	20.0	+/-20.0	U	10.0	20.0	P	02/17/2025	12:55	LB134737
	Antimony	2.00	+/-2.00	U	0.25	2.00	P	02/17/2025	12:55	LB134737
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	12:55	LB134737
	Barium	10.0	+/-10.0	U	1.25	10.0	P	02/17/2025	12:55	LB134737
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	12:55	LB134737
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	12:55	LB134737
	Calcium	500	+/-500	U	190	500	P	02/17/2025	12:55	LB134737
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	02/17/2025	12:55	LB134737
	Cobalt	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	12:55	LB134737
	Copper	2.00	+/-2.00	U	1.50	2.00	P	02/17/2025	12:55	LB134737
	Iron	50.0	+/-50.0	U	25.0	50.0	P	02/17/2025	12:55	LB134737
	Lead	1.00	+/-1.00	U	0.75	1.00	P	02/17/2025	12:55	LB134737
	Magnesium	500	+/-500	U	190	500	P	02/17/2025	12:55	LB134737
	Manganese	1.00	+/-1.00	U	0.75	1.00	P	02/17/2025	12:55	LB134737
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	12:55	LB134737
	Potassium	500	+/-500	U	190	500	P	02/17/2025	12:55	LB134737
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	02/17/2025	12:55	LB134737
	Silver	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	12:55	LB134737
	Sodium	500	+/-500	U	190	500	P	02/17/2025	12:55	LB134737
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	12:55	LB134737
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	02/17/2025	12:55	LB134737
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	02/17/2025	12:55	LB134737

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Weston Solutions</u>		SDG No.: <u>Q1295</u>								
Contract: <u>WEST04</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1295</u>			SAS No.: <u>Q1295</u>					
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	20.0	+/-20.0	U	10.0	20.0	P	02/17/2025	13:16	LB134737
	Antimony	0.13	+/-2.00	J	0.25	2.00	P	02/17/2025	13:16	LB134737
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	13:16	LB134737
	Barium	0.39	+/-10.0	J	1.25	10.0	P	02/17/2025	13:16	LB134737
	Beryllium	0.27	+/-1.00	J	0.25	1.00	P	02/17/2025	13:16	LB134737
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	13:16	LB134737
	Calcium	500	+/-500	U	190	500	P	02/17/2025	13:16	LB134737
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	02/17/2025	13:16	LB134737
	Cobalt	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	13:16	LB134737
	Copper	2.00	+/-2.00	U	1.50	2.00	P	02/17/2025	13:16	LB134737
	Iron	50.0	+/-50.0	U	25.0	50.0	P	02/17/2025	13:16	LB134737
	Lead	0.20	+/-1.00	J	0.75	1.00	P	02/17/2025	13:16	LB134737
	Magnesium	500	+/-500	U	190	500	P	02/17/2025	13:16	LB134737
	Manganese	1.00	+/-1.00	U	0.75	1.00	P	02/17/2025	13:16	LB134737
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	13:16	LB134737
	Potassium	500	+/-500	U	190	500	P	02/17/2025	13:16	LB134737
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	02/17/2025	13:16	LB134737
	Silver	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	13:16	LB134737
	Sodium	500	+/-500	U	190	500	P	02/17/2025	13:16	LB134737
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	13:16	LB134737
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	02/17/2025	13:16	LB134737
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	02/17/2025	13:16	LB134737
CCB02	Aluminum	20.0	+/-20.0	U	10.0	20.0	P	02/17/2025	14:04	LB134737
	Antimony	2.00	+/-2.00	U	0.25	2.00	P	02/17/2025	14:04	LB134737
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	14:04	LB134737
	Barium	10.0	+/-10.0	U	1.25	10.0	P	02/17/2025	14:04	LB134737
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	14:04	LB134737
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	14:04	LB134737
	Calcium	500	+/-500	U	190	500	P	02/17/2025	14:04	LB134737
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	02/17/2025	14:04	LB134737
	Cobalt	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	14:04	LB134737
	Copper	2.00	+/-2.00	U	1.50	2.00	P	02/17/2025	14:04	LB134737
	Iron	50.0	+/-50.0	U	25.0	50.0	P	02/17/2025	14:04	LB134737
	Lead	1.00	+/-1.00	U	0.75	1.00	P	02/17/2025	14:04	LB134737
	Magnesium	500	+/-500	U	190	500	P	02/17/2025	14:04	LB134737
	Manganese	1.00	+/-1.00	U	0.75	1.00	P	02/17/2025	14:04	LB134737
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	14:04	LB134737
	Potassium	500	+/-500	U	190	500	P	02/17/2025	14:04	LB134737
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	02/17/2025	14:04	LB134737

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	14:04	LB134737
	Sodium	500	+/-500	U	190	500	P	02/17/2025	14:04	LB134737
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	14:04	LB134737
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	02/17/2025	14:04	LB134737
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	02/17/2025	14:04	LB134737
CCB03	Aluminum	20.0	+/-20.0	U	10.0	20.0	P	02/17/2025	14:34	LB134737
	Antimony	2.00	+/-2.00	U	0.25	2.00	P	02/17/2025	14:34	LB134737
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	14:34	LB134737
	Barium	10.0	+/-10.0	U	1.25	10.0	P	02/17/2025	14:34	LB134737
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	14:34	LB134737
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	14:34	LB134737
	Calcium	500	+/-500	U	190	500	P	02/17/2025	14:34	LB134737
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	02/17/2025	14:34	LB134737
	Cobalt	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	14:34	LB134737
	Copper	2.00	+/-2.00	U	1.50	2.00	P	02/17/2025	14:34	LB134737
	Iron	50.0	+/-50.0	U	25.0	50.0	P	02/17/2025	14:34	LB134737
	Lead	1.00	+/-1.00	U	0.75	1.00	P	02/17/2025	14:34	LB134737
	Magnesium	500	+/-500	U	190	500	P	02/17/2025	14:34	LB134737
	Manganese	1.00	+/-1.00	U	0.75	1.00	P	02/17/2025	14:34	LB134737
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	02/17/2025	14:34	LB134737
	Potassium	500	+/-500	U	190	500	P	02/17/2025	14:34	LB134737
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	02/17/2025	14:34	LB134737
	Silver	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	14:34	LB134737
	Sodium	500	+/-500	U	190	500	P	02/17/2025	14:34	LB134737
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	02/17/2025	14:34	LB134737
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	02/17/2025	14:34	LB134737
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	02/17/2025	14:34	LB134737

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions

SDG No.: Q1295

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166584BL		SOLID		Batch Number:		PB166584		Prep Date:	02/05/2025	
	Mercury	0.013	<0.013	U	0.010	0.013	CV	02/06/2025	14:03	LB134603

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions

SDG No.: Q1295

Instrument: P8

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166734BL	SOLID			Batch Number:	PB166734			Prep Date:	02/14/2025	
	Aluminum	0.87	<0.87	U	0.44	0.87	P	02/17/2025	13:23	LB134737
	Antimony	0.087	<0.087	U	0.033	0.087	P	02/17/2025	13:23	LB134737
	Arsenic	0.043	<0.043	U	0.011	0.043	P	02/17/2025	13:23	LB134737
	Barium	0.44	<0.44	U	0.054	0.44	P	02/17/2025	13:23	LB134737
	Beryllium	0.043	<0.043	U	0.033	0.043	P	02/17/2025	13:23	LB134737
	Cadmium	0.043	<0.043	U	0.033	0.043	P	02/17/2025	13:23	LB134737
	Calcium	21.7	<21.7	U	8.26	21.7	P	02/17/2025	13:23	LB134737
	Chromium	0.087	<0.087	U	0.022	0.087	P	02/17/2025	13:23	LB134737
	Cobalt	0.043	<0.043	U	0.011	0.043	P	02/17/2025	13:23	LB134737
	Copper	0.087	<0.087	U	0.043	0.087	P	02/17/2025	13:23	LB134737
	Iron	2.17	<2.17	U	0.54	2.17	P	02/17/2025	13:23	LB134737
	Lead	0.043	<0.043	U	0.033	0.043	P	02/17/2025	13:23	LB134737
	Magnesium	21.7	<21.7	U	8.26	21.7	P	02/17/2025	13:23	LB134737
	Manganese	0.043	<0.043	U	0.022	0.043	P	02/17/2025	13:23	LB134737
	Nickel	0.043	<0.043	U	0.011	0.043	P	02/17/2025	13:23	LB134737
	Potassium	21.7	<21.7	U	8.26	21.7	P	02/17/2025	13:23	LB134737
	Selenium	0.22	<0.22	U	0.20	0.22	P	02/17/2025	13:23	LB134737
	Silver	0.043	<0.043	U	0.022	0.043	P	02/17/2025	13:23	LB134737
	Sodium	21.7	<21.7	U	10.9	21.7	P	02/17/2025	13:23	LB134737
	Thallium	0.043	<0.043	U	0.022	0.043	P	02/17/2025	13:23	LB134737
	Vanadium	0.22	<0.22	U	0.011	0.22	P	02/17/2025	13:23	LB134737
	Zinc	0.22	<0.22	U	0.065	0.22	P	02/17/2025	13:23	LB134737

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Weston Solutions **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295
ICS Source: EPA **Instrument ID:** P8

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	99900	100000	100	0	0	02/17/2025	12:58	LB134737
	Antimony	1.13	1.5	75	-2.5	5.5	02/17/2025	12:58	LB134737
	Arsenic	0.37	0.1	370	-1.9	2.1	02/17/2025	12:58	LB134737
	Barium	1.41	1.2	118	-18.8	21.2	02/17/2025	12:58	LB134737
	Beryllium	0.31			-2	2	02/17/2025	12:58	LB134737
	Cadmium	0.64	0.7	91	-1.3	2.7	02/17/2025	12:58	LB134737
	Calcium	105000	100000	105	0	0	02/17/2025	12:58	LB134737
	Chromium	20.0	21.0	95	17	25	02/17/2025	12:58	LB134737
	Cobalt	1.19	1.0	119	-1	3	02/17/2025	12:58	LB134737
	Copper	8.22	8.0	103	4	12	02/17/2025	12:58	LB134737
	Iron	111000	100000	111	0	0	02/17/2025	12:58	LB134737
	Lead	4.40	4.0	110	2	6	02/17/2025	12:58	LB134737
	Magnesium	103000	100000	103	0	0	02/17/2025	12:58	LB134737
	Manganese	7.56	7.0	108	5	9	02/17/2025	12:58	LB134737
	Nickel	5.44	6.0	91	4	8	02/17/2025	12:58	LB134737
	Potassium	105000	100000	105	0	0	02/17/2025	12:58	LB134737
	Selenium	0.21	0.3	70	-9.7	10	02/17/2025	12:58	LB134737
	Silver	0.12			-2	2	02/17/2025	12:58	LB134737
	Sodium	109000	100000	109	0	0	02/17/2025	12:58	LB134737
	Thallium	0.17			-2	2	02/17/2025	12:58	LB134737
	Vanadium	0.14	0.5	28	-9.5	10.5	02/17/2025	12:58	LB134737
	Zinc	10.9	11.0	100	7	15	02/17/2025	12:58	LB134737
ICSAB01	Aluminum	98900	100000	99	0	0	02/17/2025	13:02	LB134737
	Antimony	21.3	22.0	97	18	26	02/17/2025	13:02	LB134737
	Arsenic	21.5	19.0	113	16.2	21.9	02/17/2025	13:02	LB134737
	Barium	21.6	22.0	98	2	42	02/17/2025	13:02	LB134737
	Beryllium	20.8	19.0	110	16.2	21.9	02/17/2025	13:02	LB134737
	Cadmium	20.0	20.0	100	17	23	02/17/2025	13:02	LB134737
	Calcium	107000	100000	107	0	0	02/17/2025	13:02	LB134737
	Chromium	39.3	40.0	98	34	46	02/17/2025	13:02	LB134737
	Cobalt	21.0	20.0	105	17	23	02/17/2025	13:02	LB134737
	Copper	27.9	25.0	112	21	29	02/17/2025	13:02	LB134737
	Iron	108000	100000	108	0	0	02/17/2025	13:02	LB134737
	Lead	24.1	25.0	96	21.3	28.8	02/17/2025	13:02	LB134737
	Magnesium	102000	100000	102	0	0	02/17/2025	13:02	LB134737
	Manganese	26.8	27.0	99	23	31.1	02/17/2025	13:02	LB134737
	Nickel	25.0	24.0	104	20.4	27.6	02/17/2025	13:02	LB134737
	Potassium	104000	100000	104	0	0	02/17/2025	13:02	LB134737
	Selenium	21.8	19.0	115	9	29	02/17/2025	13:02	LB134737
	Silver	18.9	18.0	105	15.3	20.7	02/17/2025	13:02	LB134737
	Sodium	108000	100000	108	0	0	02/17/2025	13:02	LB134737
	Thallium	20.6	21.0	98	17.9	24.2	02/17/2025	13:02	LB134737

Metals

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INTERFERENCE CHECK SAMPLE

Client: Weston Solutions **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295
ICS Source: EPA **Instrument ID:** P8

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	19.9	19.0	105	9	29	02/17/2025	13:02	LB134737
	Zinc	30.8	29.0	106	25	33	02/17/2025	13:02	LB134737



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Weston Solutions level: low sdg no.: Q1295
contract: WEST04 lab code: CHEM case no.: Q1295 sas no.: Q1295
matrix: Solid sample id: Q1288-01 client id: HR-01-020425MS
Percent Solids for Sample: 89 Spiked ID: Q1288-01MS Percent Solids for Spike Sample: 89

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.42		0.084		0.29	117		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Weston Solutions</u>	level: <u>low</u>	sdg no.: <u>Q1295</u>
contract: <u>WEST04</u>	lab code: <u>CHEM</u>	case no.: <u>Q1295</u> sas no.: <u>Q1295</u>
matrix: <u>Solid</u>	sample id: <u>Q1288-01</u>	client id: <u>HR-01-020425MSD</u>
Percent Solids for Sample: 89	Spiked ID: Q1288-01MSD	Percent Solids for Spike Sample: 89

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.40		0.084		0.3	107		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Weston Solutions</u>	level: <u>low</u>	sdg no.: <u>Q1295</u>
contract: <u>WEST04</u>	lab code: <u>CHEM</u>	case no.: <u>Q1295</u> sas no.: <u>Q1295</u>
matrix: <u>Solid</u>	sample id: <u>Q1295-01</u>	client id: <u>TAPFTA-SB01D-020425-00-T1MS</u>
Percent Solids for Sample: 90.9	Spiked ID: Q1295-01MS	Percent Solids for Spike Sample: 90.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	3570	D	3400	D	460	36		P
Antimony	mg/Kg	72 - 124	22.3	D	0.032	JD	23.0	97		P
Arsenic	mg/Kg	82 - 118	0.69	D	0.72	D	23.0	0	N	P
Barium	mg/Kg	86 - 116	116	D	13.7	D	120	89		P
Beryllium	mg/Kg	80 - 120	21.6	D	0.16	JD	23.0	93		P
Cadmium	mg/Kg	84 - 116	21.7	D	0.23	UD	23.0	94		P
Calcium	mg/Kg	86 - 118	2760	D	611	D	2300	93		P
Chromium	mg/Kg	83 - 119	25.0	D	5.34	D	23.0	85		P
Cobalt	mg/Kg	84 - 115	21.9	D	1.08	D	23.0	90		P
Copper	mg/Kg	84 - 119	228	D	2.22	D	230	98		P
Iron	mg/Kg	81 - 124	5020	D	4320	D	1200	61	N	P
Lead	mg/Kg	84 - 118	114	D	3.39	D	120	96		P
Magnesium	mg/Kg	80 - 123	2510	D	323	D	2300	95		P
Manganese	mg/Kg	85 - 116	218	D	12.4	D	230	89		P
Nickel	mg/Kg	84 - 119	23.0	D	2.02	D	23.0	91		P
Potassium	mg/Kg	85 - 119	1100	D	165	D	1200	81	N	P
Selenium	mg/Kg	80 - 119	22.1	D	2.28	UD	23.0	96		P
Silver	mg/Kg	83 - 118	3.71	D	0.23	UD	23.0	16	N	P
Sodium	mg/Kg	79 - 125	2150	D	114	UD	2300	93		P
Thallium	mg/Kg	83 - 118	22.4	D	0.050	JD	23.0	97		P
Vanadium	mg/Kg	82 - 116	28.0	D	7.63	D	23.0	89		P
Zinc	mg/Kg	82 - 119	217	D	5.97	D	230	92		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Weston Solutions</u>	level:	<u>low</u>	sdg no.:	<u>Q1295</u>
contract:	<u>WEST04</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q1295</u>
matrix:	<u>Solid</u>	sample id:	<u>Q1295-01</u>	client id:	<u>TAPFTA-SB01D-020425-00-T1MSD</u>
Percent Solids for Sample:	90.9	Spiked ID:	Q1295-01MSD	Percent Solids for Spike Sample:	90.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	3830	D	3400	D	480	90		P
Antimony	mg/Kg	72 - 124	23.9	D	0.032	JD	24.0	99		P
Arsenic	mg/Kg	82 - 118	0.73	D	0.72	D	24.0	0	N	P
Barium	mg/Kg	86 - 116	122	D	13.7	D	120	90		P
Beryllium	mg/Kg	80 - 120	22.3	D	0.16	JD	24.0	92		P
Cadmium	mg/Kg	84 - 116	22.4	D	0.23	UD	24.0	93		P
Calcium	mg/Kg	86 - 118	2850	D	611	D	2400	93		P
Chromium	mg/Kg	83 - 119	26.7	D	5.34	D	24.0	89		P
Cobalt	mg/Kg	84 - 115	23.4	D	1.08	D	24.0	93		P
Copper	mg/Kg	84 - 119	239	D	2.22	D	240	98		P
Iron	mg/Kg	81 - 124	5340	D	4320	D	1200	85		P
Lead	mg/Kg	84 - 118	118	D	3.39	D	120	95		P
Magnesium	mg/Kg	80 - 123	2710	D	323	D	2400	99		P
Manganese	mg/Kg	85 - 116	232	D	12.4	D	240	92		P
Nickel	mg/Kg	84 - 119	24.5	D	2.02	D	24.0	94		P
Potassium	mg/Kg	85 - 119	1160	D	165	D	1200	83	N	P
Selenium	mg/Kg	80 - 119	23.4	D	2.28	UD	24.0	97		P
Silver	mg/Kg	83 - 118	3.91	D	0.23	UD	24.0	16	N	P
Sodium	mg/Kg	79 - 125	2300	D	114	UD	2400	96		P
Thallium	mg/Kg	83 - 118	23.0	D	0.050	JD	24.0	95		P
Vanadium	mg/Kg	82 - 116	29.8	D	7.63	D	24.0	92		P
Zinc	mg/Kg	82 - 119	230	D	5.97	D	240	93		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Weston Solutions</u>	SDG No.: <u>Q1295</u>	
Contract: <u>WEST04</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1295</u> SAS No.: <u>Q1295</u>
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>TAPFTA-SB01D-020425-00-T1A</u>
Sample ID: <u>Q1295-01</u>	Spiked ID: <u>Q1295-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	82 - 118	0.69	D	0.72	D	22.8	0		P
Iron	mg/Kg	81 - 124	5040	D	4320	D	1100	65		P
Potassium	mg/Kg	85 - 119	1100	D	165	D	1100	85		P
Silver	mg/Kg	83 - 118	3.67	D	0.23	UD	22.8	16		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Weston Solutions</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1295</u>
Contract:	<u>WEST04</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1295</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1288-01</u>	Client ID:	<u>HR-01-020425DUP</u>
Percent Solids for Sample:	89	Duplicate ID	Q1288-01DUP	Percent Solids for Spike Sample:	89

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.084		0.085		1		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Weston Solutions</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1295</u>
Contract:	<u>WEST04</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1295</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1288-01MS</u>	Client ID:	<u>HR-01-020425MSD</u>
Percent Solids for Sample:	89	Duplicate ID	Q1288-01MSD	Percent Solids for Spike Sample:	89

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.42		0.40		4		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Weston Solutions **Level:** LOW **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295
Matrix: Solid **Sample ID:** Q1295-01 **Client ID:** TAPFTA-SB01D-020425-00-T1DUP
Percent Solids for Sample: 90.9 **Duplicate ID** Q1295-01DUP **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3400	D	3340	D	2		P
Antimony	mg/Kg	20	0.032	JD	0.45	UD	200		P
Arsenic	mg/Kg	20	0.72	D	0.69	D	4		P
Barium	mg/Kg	20	13.7	D	13.7	D	0		P
Beryllium	mg/Kg	20	0.16	JD	0.15	JD	10		P
Cadmium	mg/Kg	20	0.23	UD	0.23	UD			P
Calcium	mg/Kg	20	611	D	605	D	1		P
Chromium	mg/Kg	20	5.34	D	5.30	D	1		P
Cobalt	mg/Kg	20	1.08	D	1.06	D	2		P
Copper	mg/Kg	20	2.22	D	2.20	D	1		P
Iron	mg/Kg	20	4320	D	4260	D	1		P
Lead	mg/Kg	20	3.39	D	3.38	D	0		P
Magnesium	mg/Kg	20	323	D	316	D	2		P
Manganese	mg/Kg	20	12.4	D	12.2	D	2		P
Nickel	mg/Kg	20	2.02	D	2.04	D	1		P
Potassium	mg/Kg	20	165	D	162	D	2		P
Selenium	mg/Kg	20	2.28	UD	2.25	UD			P
Silver	mg/Kg	20	0.23	UD	0.23	UD			P
Sodium	mg/Kg	20	114	UD	113	UD			P
Thallium	mg/Kg	20	0.050	JD	0.047	JD	6		P
Vanadium	mg/Kg	20	7.63	D	7.55	D	1		P
Zinc	mg/Kg	20	5.97	D	5.90	D	1		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Weston Solutions **Level:** LOW **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295
Matrix: Solid **Sample ID:** Q1295-01MS **Client ID:** TAPFTA-SB01D-020425-00-T1MSD
Percent Solids for Sample: 90.9 **Duplicate ID** Q1295-01MSD **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3570	D	3830	D	7		P
Antimony	mg/Kg	20	22.3	D	23.9	D	7		P
Arsenic	mg/Kg	20	0.69	D	0.73	D	6		P
Barium	mg/Kg	20	116	D	122	D	5		P
Beryllium	mg/Kg	20	21.6	D	22.3	D	3		P
Cadmium	mg/Kg	20	21.7	D	22.4	D	3		P
Calcium	mg/Kg	20	2760	D	2850	D	3		P
Chromium	mg/Kg	20	25.0	D	26.7	D	7		P
Cobalt	mg/Kg	20	21.9	D	23.4	D	7		P
Copper	mg/Kg	20	228	D	239	D	5		P
Iron	mg/Kg	20	5020	D	5340	D	6		P
Lead	mg/Kg	20	114	D	118	D	3		P
Magnesium	mg/Kg	20	2510	D	2710	D	8		P
Manganese	mg/Kg	20	218	D	232	D	6		P
Nickel	mg/Kg	20	23.0	D	24.5	D	6		P
Potassium	mg/Kg	20	1100	D	1160	D	5		P
Selenium	mg/Kg	20	22.1	D	23.4	D	6		P
Silver	mg/Kg	20	3.71	D	3.91	D	5		P
Sodium	mg/Kg	20	2150	D	2300	D	7		P
Thallium	mg/Kg	20	22.4	D	23.0	D	3		P
Vanadium	mg/Kg	20	28.0	D	29.8	D	6		P
Zinc	mg/Kg	20	217	D	230	D	6		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Weston Solutions

SDG No.: Q1295

Contract: WEST04

Lab Code: CHEM

Case No.: Q1295

SAS No.: Q1295

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166584BS Mercury	mg/Kg	0.26	0.26		101	80 - 124	CV

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Weston Solutions **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166734BS							
Aluminum	mg/Kg	430	441		103	78 - 124	P
Antimony	mg/Kg	21.7	22.7		105	72 - 124	P
Arsenic	mg/Kg	21.7	22.6		104	82 - 118	P
Barium	mg/Kg	110	115		104	86 - 116	P
Beryllium	mg/Kg	21.7	22.5		104	80 - 120	P
Cadmium	mg/Kg	21.7	23.3		107	84 - 116	P
Calcium	mg/Kg	2200	2320		106	86 - 118	P
Chromium	mg/Kg	21.7	22.7		105	83 - 119	P
Cobalt	mg/Kg	21.7	22.5		104	84 - 115	P
Copper	mg/Kg	220	228		104	84 - 119	P
Iron	mg/Kg	1100	1200		109	81 - 124	P
Lead	mg/Kg	110	111		101	84 - 118	P
Magnesium	mg/Kg	2200	2390		109	80 - 123	P
Manganese	mg/Kg	220	228		104	85 - 116	P
Nickel	mg/Kg	21.7	21.4		99	84 - 119	P
Potassium	mg/Kg	1100	1160		106	85 - 119	P
Selenium	mg/Kg	21.7	22.8		105	80 - 119	P
Silver	mg/Kg	21.7	23.5		108	83 - 118	P
Sodium	mg/Kg	2200	2350		107	79 - 125	P
Thallium	mg/Kg	21.7	22.4		103	83 - 118	P
Vanadium	mg/Kg	21.7	21.5		99	82 - 116	P
Zinc	mg/Kg	220	231		105	82 - 119	P

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Weston Solutions

Contract: WEST04

Lab Code: CHEM Case no.: Q1295

Sas No.: Q1295 SDG No.: Q1295

Instrument ID: P8

Start Date : 02/17/2025

Run Number: LB134737

End Date : 02/17/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1215	100		100		100		100		100	
S2	S2	1219	100		101		100		100		100	
S3	S3	1222	101		102		101		100		101	
S4	S4	1225	100		102		100		100		101	
S5	S5	1228	100		101		100		98		101	
S6	S6	1231	100		102		101		97		101	
S7	S7	1234	98		102		100		94		100	
S8	S8	1237	90		95		93		84		93	
ICV01	ICV01	1248	106		107		105		104		103	
LLICV	LLICV	1252	105		106		104		104		103	
ICB01	ICB01	1255	104		105		101		102		102	
ICSA01	ICSA01	1258	101		103		102		94		101	
ICSAB01	ICSAB01	1302	103		106		104		96		102	
CCV01	CCV01	1313	98		101		99		90		97	
CCB01	CCB01	1316	101		103		100		100		98	
CRI	CRI	1319	106		105		103		102		100	
PB166734BL	PB166734BL	1323	104		104		102		101		99	
PB166734BS	PB166734BS	1326	101		103		100		97		98	
Q1295-01	TAPFTA-SB01	1329	104		107		103		101		99	
Q1295-01DUP	TAPFTA-SB01	1332	102		105		103		100		98	
Q1295-01L	TAPFTA-SB01	1336	103		105		102		101		99	
Q1295-01MS	TAPFTA-SB01	1339	100		103		101		96		97	
Q1295-01MSD	TAPFTA-SB01	1342	101		104		143	*	98		97	
Q1295-01A	TAPFTA-SB01	1345	102		103		102		99		98	
CCV02	CCV02	1357	92		96		94		86		93	
CCB02	CCB02	1404	101		102		100		100		98	
Q1295-01	TAPFTA-SB01	1410	105		108		105		104		101	
Q1295-01DUP	TAPFTA-SB01	1414	107		108		106		105		102	
Q1295-01L	TAPFTA-SB01	1417	105		106		104		104		102	
Q1295-01MS	TAPFTA-SB01	1420	103		106		104		101		100	
Q1295-01MSD	TAPFTA-SB01	1423	104		105		104		101		100	
Q1295-01A	TAPFTA-SB01	1426	103		106		102		102		101	
CCV03	CCV03	1430	95		99		97		88		96	
CCB03	CCB03	1434	104		106		104		104		101	

Internal Standard %RI Limit: 30 - 120

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Weston Solutions

Contract: WEST04

Lab Code: CHEM Case no.: Q1295

Sas No.: Q1295 SDG No.: Q1295

Instrument ID: P8

Start Date : 02/17/2025

Run Number: LB134737

End Date : 02/17/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1215	100		100		100		100		100	
S2	S2	1219	101		104		100		100		99	
S3	S3	1222	102		106		100		102		101	
S4	S4	1225	103		108		101		102		100	
S5	S5	1228	102		106		98		102		101	
S6	S6	1231	104		108		97		103		101	
S7	S7	1234	104		107		94		101		100	
S8	S8	1237	99		103		86		97		96	
ICV01	ICV01	1248	109		114		104		106		103	
LLICV	LLICV	1252	107		111		104		105		103	
ICB01	ICB01	1255	104		110		103		103		102	
ICSA01	ICSA01	1258	103		109		94		100		99	
ICSAB01	ICSAB01	1302	108		111		95		104		102	
CCV01	CCV01	1313	107		110		92		102		99	
CCB01	CCB01	1316	107		111		103		103		102	
CRI	CRI	1319	106		111		103		103		101	
PB166734BL	PB166734BL	1323	104		111		102		100		100	
PB166734BS	PB166734BS	1326	106		110		98		101		99	
Q1295-01	TAPFTA-SB01	1329	108		112		102		103		101	
Q1295-01DUP	TAPFTA-SB01	1332	108		113		102		103		101	
Q1295-01L	TAPFTA-SB01	1336	106		111		102		102		100	
Q1295-01MS	TAPFTA-SB01	1339	107		111		98		101		99	
Q1295-01MSD	TAPFTA-SB01	1342	105		109		99		101		99	
Q1295-01A	TAPFTA-SB01	1345	106		112		99		102		101	
CCV02	CCV02	1357	101		98		88		96		95	
CCB02	CCB02	1404	104		109		100		100		98	
Q1295-01	TAPFTA-SB01	1410	110		116		104		105		103	
Q1295-01DUP	TAPFTA-SB01	1414	111		117		106		106		104	
Q1295-01L	TAPFTA-SB01	1417	107		113		102		104		102	
Q1295-01MS	TAPFTA-SB01	1420	109		112		101		103		101	
Q1295-01MSD	TAPFTA-SB01	1423	108		113		102		104		102	
Q1295-01A	TAPFTA-SB01	1426	109		114		103		105		103	
CCV03	CCV03	1430	107		110		92		101		99	
CCB03	CCB03	1434	108		115		106		104		102	

Internal Standard %RI Limit: 30 - 120

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Weston Solutions

Contract: WEST04

Lab Code: CHEM Case no.: Q1295

Sas No.: Q1295 SDG No.: Q1295

Instrument ID: P8

Start Date : 02/17/2025

Run Number: LB134737

End Date : 02/17/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1215	100		100							
S2	S2	1219	101		101							
S3	S3	1222	102		100							
S4	S4	1225	102		99							
S5	S5	1228	101		98							
S6	S6	1231	101		96							
S7	S7	1234	101		93							
S8	S8	1237	93		82							
ICV01	ICV01	1248	104		102							
LLICV	LLICV	1252	103		102							
ICB01	ICB01	1255	101		101							
ICSA01	ICSA01	1258	101		92							
ICSAB01	ICSAB01	1302	101		93							
CCV01	CCV01	1313	97		87							
CCB01	CCB01	1316	97		96							
CRI	CRI	1319	100		99							
PB166734BL	PB166734BL	1323	99		97							
PB166734BS	PB166734BS	1326	98		93							
Q1295-01	TAPFTA-SB01I	1329	98		97							
Q1295-01DUP	TAPFTA-SB01I	1332	98		95							
Q1295-01L	TAPFTA-SB01I	1336	99		98							
Q1295-01MS	TAPFTA-SB01I	1339	96		91							
Q1295-01MSD	TAPFTA-SB01I	1342	98		93							
Q1295-01A	TAPFTA-SB01I	1345	98		95							
CCV02	CCV02	1357	93		82							
CCB02	CCB02	1404	98		95							
Q1295-01	TAPFTA-SB01I	1410	100		99							
Q1295-01DUP	TAPFTA-SB01I	1414	102		98							
Q1295-01L	TAPFTA-SB01I	1417	101		98							
Q1295-01MS	TAPFTA-SB01I	1420	100		97							
Q1295-01MSD	TAPFTA-SB01I	1423	100		97							
Q1295-01A	TAPFTA-SB01I	1426	101		98							
CCV03	CCV03	1430	96		86							
CCB03	CCB03	1434	101		99							

Internal Standard %RI Limit: 30 -120

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Weston Solutions

Contract: WEST04

Lab Code: CHEM Case no.: Q1295

Sas No.: Q1295 SDG No.: Q1295

Instrument ID: P8

Start Date : 02/17/2025

Run Number: LB134737

End Date : 02/17/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1215	100									
S2	S2	1219	99									
S3	S3	1222	99									
S4	S4	1225	99									
S5	S5	1228	97									
S6	S6	1231	96									
S7	S7	1234	94									
S8	S8	1237	83									
ICV01	ICV01	1248	102									
LLICV	LLICV	1252	102									
ICB01	ICB01	1255	101									
ICSA01	ICSA01	1258	92									
ICSAB01	ICSAB01	1302	93									
CCV01	CCV01	1313	89									
CCB01	CCB01	1316	101									
CRI	CRI	1319	100									
PB166734BL	PB166734BL	1323	99									
PB166734BS	PB166734BS	1326	93									
Q1295-01	TAPFTA-SB01I	1329	98									
Q1295-01DUP	TAPFTA-SB01I	1332	98									
Q1295-01L	TAPFTA-SB01I	1336	98									
Q1295-01MS	TAPFTA-SB01I	1339	96									
Q1295-01MSD	TAPFTA-SB01I	1342	96									
Q1295-01A	TAPFTA-SB01I	1345	96									
CCV02	CCV02	1357	86									
CCB02	CCB02	1404	98									
Q1295-01	TAPFTA-SB01I	1410	101									
Q1295-01DUP	TAPFTA-SB01I	1414	103									
Q1295-01L	TAPFTA-SB01I	1417	101									
Q1295-01MS	TAPFTA-SB01I	1420	99									
Q1295-01MSD	TAPFTA-SB01I	1423	99									
Q1295-01A	TAPFTA-SB01I	1426	99									
CCV03	CCV03	1430	89									
CCB03	CCB03	1434	102									

Internal Standard %RI Limit: 30 -120

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

HR-01-020425L

Lab Name: Chemtech Consulting Group

Contract: WEST04

Lab Code: CHEM

Lb No.: lb134603

Lab Sample ID : Q1288-01L

SDG No.: Q1295

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.084	0.080	5		CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TAPFTA-SB01D-020425-00-T1L

Lab Name: Chemtech Consulting Group **Contract:** WEST04
Lab Code: CHEM **Lb No.:** lb134737 **Lab Sample ID :** Q1295-01L **SDG No.:** Q1295
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
		C		C			
Aluminum	3400	D	3500	D	3		P
Antimony	0.032	JD	2.28	UD	7		P
Arsenic	0.72	D	0.84	JD	17		P
Barium	13.7	D	14.1	D	3		P
Beryllium	0.16	JD	1.14	UD	41		P
Cadmium	0.23	UD	1.14	UD	72		P
Calcium	611	D	595	D	3		P
Chromium	5.34	D	5.48	D	3		P
Cobalt	1.08	D	1.13	JD	5		P
Copper	2.22	D	2.25	JD	1		P
Iron	4320	D	4530	D	5		P
Lead	3.39	D	3.48	D	3		P
Magnesium	323	D	334	JD	3		P
Manganese	12.4	D	12.9	D	4		P
Nickel	2.02	D	2.15	D	6		P
Potassium	165	D	181	JD	9		P
Selenium	2.28	UD	11.4	UD			P
Silver	0.23	UD	1.14	UD	17		P
Sodium	114	UD	571	UD	120		P
Thallium	0.050	JD	1.14	UD	14		P
Vanadium	7.63	D	7.92	D	4		P
Zinc	5.97	D	6.68	D	12		P



METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Weston Solutions</u>	SDG No.:	<u>Q1295</u>
Contract:	<u>WEST04</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1295</u>
		SAS No.:	<u>Q1295</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166584							
PB166584BL	PB166584BL	MB	SOLID	02/05/2025	0.55	35.0	100.00
PB166584BS	PB166584BS	LCS	SOLID	02/05/2025	0.53	35.0	100.00
Q1288-01DUP	HR-01-020425DUP	DUP	SOLID	02/05/2025	0.54	35.0	89.00
Q1288-01MS	HR-01-020425MS	MS	SOLID	02/05/2025	0.54	35.0	89.00
Q1288-01MSD	HR-01-020425MSD	MSD	SOLID	02/05/2025	0.53	35.0	89.00
Q1295-01	TAPFTA-SB01D-020425-00-T1	SAM	SOLID	02/05/2025	0.58	35.0	90.90

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Weston Solutions</u>	SDG No.:	<u>Q1295</u>
Contract:	<u>WEST04</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1295</u>
		SAS No.:	<u>Q1295</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166734							
PB166734BL	PB166734BL	MB	SOLID	02/14/2025	2.30	100.0	100.00
PB166734BS	PB166734BS	LCS	SOLID	02/14/2025	2.30	100.0	100.00
Q1295-01	TAPFTA-SB01D-020425-00-T1	SAM	SOLID	02/14/2025	2.41	100.0	90.90
Q1295-01DUP	TAPFTA-SB01D-020425-00-T1DUP	DUP	SOLID	02/14/2025	2.44	100.0	90.90
Q1295-01MS	TAPFTA-SB01D-020425-00-T1MS	MS	SOLID	02/14/2025	2.39	100.0	90.90
Q1295-01MSD	TAPFTA-SB01D-020425-00-T1MSD	MSD	SOLID	02/14/2025	2.29	100.0	90.90

metals
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ANALYSIS RUN LOG

Client: Weston Solutions **Contract:** WEST04

Lab code: CHEM **Case no.:** Q1295 **Sas no.:** Q1295 **Sdg no.:** Q1295

Instrument id number: **Method:** **Run number:** LB134603

Start date: 02/06/2025 **End date:** 02/06/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1320	HG
S0.2	S0.2	1	1325	HG
S2.5	S2.5	1	1327	HG
S5	S5	1	1330	HG
S7.5	S7.5	1	1332	HG
S10	S10	1	1337	HG
ICV89	ICV89	1	1340	HG
ICB89	ICB89	1	1342	HG
CCV33	CCV33	1	1345	HG
CCB33	CCB33	1	1347	HG
CRA	CRA	1	1349	HG
PB166584BL	PB166584BL	1	1403	HG
PB166584BS	PB166584BS	1	1405	HG
CCV34	CCV34	1	1419	HG
CCB34	CCB34	1	1422	HG
Q1288-01DUP	HR-01-020425DUP	1	1447	HG
Q1288-01MS	HR-01-020425MS	1	1449	HG
CCV35	CCV35	1	1452	HG
CCB35	CCB35	1	1454	HG
Q1288-01MSD	HR-01-020425MSD	1	1456	HG
Q1295-01	TAPFTA-SB01D-020425-00-T1	1	1505	HG
Q1288-01L	HR-01-020425L	5	1510	HG
CCV36	CCV36	1	1515	HG
CCB36	CCB36	1	1517	HG

metals
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ANALYSIS RUN LOG

Client: Weston Solutions **Contract:** WEST04

Lab code: CHEM **Case no.:** Q1295 **Sas no.:** Q1295 **Sdg no.:** Q1295

Instrument id number: **Method:** **Run number:** LB134737

Start date: 02/17/2025 **End date:** 02/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1215	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	1219	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	1222	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	1225	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	1228	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1231	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1234	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1237	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1248	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV	LLICV	1	1252	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	1255	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	1258	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	1302	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	1313	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	1316	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1319	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166734BL	PB166734BL	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166734BS	PB166734BS	1	1326	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1295-01	TAPFTA-SB01D-020425-00-T1	5	1329	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q1295-01DUP	TAPFTA-SB01D-020425-00-T1I	5	1332	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q1295-01L	TAPFTA-SB01D-020425-00-T1I	25	1336	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q1295-01MS	TAPFTA-SB01D-020425-00-T1I	5	1339	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q1295-01MSD	TAPFTA-SB01D-020425-00-T1I	5	1342	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q1295-01A	TAPFTA-SB01D-020425-00-T1I	5	1345	Ag,As,Fe,K
CCV02	CCV02	1	1357	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	1404	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1295-01	TAPFTA-SB01D-020425-00-T1	10	1410	Se
Q1295-01DUP	TAPFTA-SB01D-020425-00-T1I	10	1414	Se
Q1295-01L	TAPFTA-SB01D-020425-00-T1I	50	1417	Se
Q1295-01MS	TAPFTA-SB01D-020425-00-T1I	10	1420	Se
Q1295-01MSD	TAPFTA-SB01D-020425-00-T1I	10	1423	Se
CCV03	CCV03	1	1430	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	1434	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn