

LAB CHRONICLE

OrderID:	Q1352	OrderDate:	2/11/2025 11:32:00 AM
Client:	Weston Solutions	Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169
Contact:	Nathan Fretz	Location:	N51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1352-02	TAP-IDW-SOIL-02102 5	TCLP			02/10/25			02/11/25
			TCLP ICP Metals	6010D		02/13/25	02/17/25	
			TCLP Mercury	7470A		02/13/25	02/14/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q1352
Client: Weston Solutions

Order ID: Q1352
Project ID: Fort Meade MD Tipton Airfield Parcel RI -

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TAP-IDW-SOIL-021025									
Q1352-02	TAP-IDW-SOIL-021025	TCLP	Barium	812		62.8	125	500	ug/L
Q1352-02	TAP-IDW-SOIL-021025	TCLP	Chromium	24.9	J	6.60	25.0	50.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Weston Solutions	Date Collected:	02/10/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	02/11/25
Client Sample ID:	TAP-IDW-SOIL-021025	SDG No.:	Q1352
Lab Sample ID:	Q1352-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	80.0	U	1	34.8	80.0	100	ug/L	02/13/25 12:05	02/17/25 13:15	SW6010	SW3050
7440-39-3	Barium	812		1	62.8	125	500	ug/L	02/13/25 12:05	02/17/25 13:15	SW6010	SW3050
7440-43-9	Cadmium	7.50	U	1	0.94	7.50	30.0	ug/L	02/13/25 12:05	02/17/25 13:15	SW6010	SW3050
7440-47-3	Chromium	24.9	J	1	6.60	25.0	50.0	ug/L	02/13/25 12:05	02/17/25 13:15	SW6010	SW3050
7439-92-1	Lead	48.0	U	1	35.1	48.0	60.0	ug/L	02/13/25 12:05	02/17/25 13:15	SW6010	SW3050
7439-97-6	Mercury	1.60	UN	1	0.81	1.60	2.00	ug/L	02/13/25 16:20	02/14/25 11:24	SW7470A	
7782-49-2	Selenium	80.0	U	1	58.8	80.0	100	ug/L	02/13/25 12:05	02/17/25 13:15	SW6010	SW3050
7440-22-4	Silver	25.0	U	1	5.80	25.0	50.0	ug/L	02/13/25 12:05	02/17/25 13:15	SW6010	SW3050

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

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

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
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
ICV05	Mercury	3.63	4.0	91	90 - 110	CV	02/14/2025	11:01	LB134719

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
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
CCV72	Mercury	5.02	5.0	100	90 - 110	CV	02/14/2025	11:06	LB134719
CCV73	Mercury	4.81	5.0	96	90 - 110	CV	02/14/2025	11:36	LB134719
CCV74	Mercury	4.74	5.0	95	90 - 110	CV	02/14/2025	12:06	LB134719
CCV75	Mercury	4.83	5.0	97	90 - 110	CV	02/14/2025	12:36	LB134719

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	1010	1000	101	90 - 110	P	02/17/2025	11:46	LB134738
	Barium	538	520	104	90 - 110	P	02/17/2025	11:46	LB134738
	Cadmium	484	510	95	90 - 110	P	02/17/2025	11:46	LB134738
	Chromium	519	520	100	90 - 110	P	02/17/2025	11:46	LB134738
	Lead	968	1000	97	90 - 110	P	02/17/2025	11:46	LB134738
	Selenium	1010	1000	101	90 - 110	P	02/17/2025	11:46	LB134738
	Silver	248	250	99	90 - 110	P	02/17/2025	11:46	LB134738

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	19.0	20.0	95	80 - 120	P	02/17/2025	11:50	LB134738
	Barium	108	100	108	80 - 120	P	02/17/2025	11:50	LB134738
	Cadmium	5.94	6.0	99	80 - 120	P	02/17/2025	11:50	LB134738
	Chromium	10.0	10.0	100	80 - 120	P	02/17/2025	11:50	LB134738
	Lead	12.9	12.0	107	80 - 120	P	02/17/2025	11:50	LB134738
	Selenium	20.1	20.0	101	80 - 120	P	02/17/2025	11:50	LB134738
	Silver	10.7	10.0	107	80 - 120	P	02/17/2025	11:50	LB134738

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5040	5000	101	90 - 110	P	02/17/2025	12:13	LB134738
	Barium	9090	10000	91	90 - 110	P	02/17/2025	12:13	LB134738
	Cadmium	2440	2500	98	90 - 110	P	02/17/2025	12:13	LB134738
	Chromium	1020	1000	102	90 - 110	P	02/17/2025	12:13	LB134738
	Lead	4890	5000	98	90 - 110	P	02/17/2025	12:13	LB134738
	Selenium	5090	5000	102	90 - 110	P	02/17/2025	12:13	LB134738
	Silver	1240	1250	100	90 - 110	P	02/17/2025	12:13	LB134738
CCV02	Arsenic	4820	5000	96	90 - 110	P	02/17/2025	13:06	LB134738
	Barium	9270	10000	93	90 - 110	P	02/17/2025	13:06	LB134738
	Cadmium	2360	2500	94	90 - 110	P	02/17/2025	13:06	LB134738
	Chromium	997	1000	100	90 - 110	P	02/17/2025	13:06	LB134738
	Lead	4730	5000	95	90 - 110	P	02/17/2025	13:06	LB134738
	Selenium	4850	5000	97	90 - 110	P	02/17/2025	13:06	LB134738
	Silver	1230	1250	99	90 - 110	P	02/17/2025	13:06	LB134738
CCV03	Arsenic	5030	5000	101	90 - 110	P	02/17/2025	13:57	LB134738
	Barium	9050	10000	90	90 - 110	P	02/17/2025	13:57	LB134738
	Cadmium	2420	2500	97	90 - 110	P	02/17/2025	13:57	LB134738
	Chromium	1010	1000	101	90 - 110	P	02/17/2025	13:57	LB134738
	Lead	4850	5000	97	90 - 110	P	02/17/2025	13:57	LB134738
	Selenium	5120	5000	102	90 - 110	P	02/17/2025	13:57	LB134738
	Silver	1230	1250	98	90 - 110	P	02/17/2025	13:57	LB134738
CCV04	Arsenic	4850	5000	97	90 - 110	P	02/17/2025	14:53	LB134738
	Barium	10700	10000	107	90 - 110	P	02/17/2025	14:53	LB134738
	Cadmium	2360	2500	95	90 - 110	P	02/17/2025	14:53	LB134738
	Chromium	985	1000	98	90 - 110	P	02/17/2025	14:53	LB134738
	Lead	4740	5000	95	90 - 110	P	02/17/2025	14:53	LB134738
	Selenium	4900	5000	98	90 - 110	P	02/17/2025	14:53	LB134738
	Silver	1190	1250	95	90 - 110	P	02/17/2025	14:53	LB134738
CCV05	Arsenic	4870	5000	98	90 - 110	P	02/17/2025	15:12	LB134738
	Barium	10800	10000	108	90 - 110	P	02/17/2025	15:12	LB134738
	Cadmium	2360	2500	94	90 - 110	P	02/17/2025	15:12	LB134738
	Chromium	980	1000	98	90 - 110	P	02/17/2025	15:12	LB134738
	Lead	4730	5000	95	90 - 110	P	02/17/2025	15:12	LB134738
	Selenium	4950	5000	99	90 - 110	P	02/17/2025	15:12	LB134738

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1200	1250	96	90 - 110	P	02/17/2025	15:12	LB134738

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	1060	1000	106	90 - 110	P	02/25/2025	15:57	lb134801
	Barium	479	520	92	90 - 110	P	02/25/2025	15:57	lb134801
	Cadmium	512	510	100	90 - 110	P	02/25/2025	15:57	lb134801
	Chromium	540	520	104	90 - 110	P	02/25/2025	15:57	lb134801
	Lead	1020	1000	102	90 - 110	P	02/25/2025	15:57	lb134801
	Selenium	1050	1000	105	90 - 110	P	02/25/2025	15:57	lb134801
	Silver	263	250	105	90 - 110	P	02/25/2025	15:57	lb134801

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	20.0	20.0	100	80 - 120	P	02/25/2025	16:02	lb134801
	Barium	91.8	100	92	80 - 120	P	02/25/2025	16:02	lb134801
	Cadmium	6.05	6.0	101	80 - 120	P	02/25/2025	16:02	lb134801
	Chromium	10.2	10.0	102	80 - 120	P	02/25/2025	16:02	lb134801
	Lead	11.7	12.0	98	80 - 120	P	02/25/2025	16:02	lb134801
	Selenium	20.9	20.0	104	80 - 120	P	02/25/2025	16:02	lb134801
	Silver	10.8	10.0	108	80 - 120	P	02/25/2025	16:02	lb134801

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions SDG No.: Q1352
Contract: WEST04 Lab Code: CHEM Case No.: Q1352 SAS No.: Q1352
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4900	5000	98	90 - 110	P	02/25/2025	16:23	lb134801
	Barium	9100	10000	91	90 - 110	P	02/25/2025	16:23	lb134801
	Cadmium	2420	2500	97	90 - 110	P	02/25/2025	16:23	lb134801
	Chromium	1020	1000	102	90 - 110	P	02/25/2025	16:23	lb134801
	Lead	4870	5000	98	90 - 110	P	02/25/2025	16:23	lb134801
	Selenium	4850	5000	97	90 - 110	P	02/25/2025	16:23	lb134801
	Silver	1260	1250	101	90 - 110	P	02/25/2025	16:23	lb134801
CCV02	Arsenic	4890	5000	98	90 - 110	P	02/25/2025	16:54	lb134801
	Barium	9060	10000	91	90 - 110	P	02/25/2025	16:54	lb134801
	Cadmium	2380	2500	95	90 - 110	P	02/25/2025	16:54	lb134801
	Chromium	1010	1000	100	90 - 110	P	02/25/2025	16:54	lb134801
	Lead	4840	5000	97	90 - 110	P	02/25/2025	16:54	lb134801
	Selenium	4820	5000	96	90 - 110	P	02/25/2025	16:54	lb134801
	Silver	1250	1250	100	90 - 110	P	02/25/2025	16:54	lb134801



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Fax : 908 789 8922

Metals

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CRDL STANDARD FOR AA & ICP

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
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	0.21	0.2	105	40 - 160	CV	02/14/2025	11:10	LB134719
CRI01	Arsenic	20.3	20.0	101	40 - 160	P	02/17/2025	12:00	LB134738
	Barium	82.5	100	82	40 - 160	P	02/17/2025	12:00	LB134738
	Cadmium	5.89	6.0	98	40 - 160	P	02/17/2025	12:00	LB134738
	Chromium	9.87	10.0	99	40 - 160	P	02/17/2025	12:00	LB134738
	Lead	11.6	12.0	97	40 - 160	P	02/17/2025	12:00	LB134738
	Selenium	18.9	20.0	94	40 - 160	P	02/17/2025	12:00	LB134738
	Silver	10.3	10.0	103	40 - 160	P	02/17/2025	12:00	LB134738
CRI01	Arsenic	21.5	20.0	107	40 - 160	P	02/25/2025	16:10	lb134801
	Barium	88.7	100	89	40 - 160	P	02/25/2025	16:10	lb134801
	Cadmium	5.96	6.0	99	40 - 160	P	02/25/2025	16:10	lb134801
	Chromium	10.3	10.0	103	40 - 160	P	02/25/2025	16:10	lb134801
	Lead	11.3	12.0	94	40 - 160	P	02/25/2025	16:10	lb134801
	Selenium	18.7	20.0	94	40 - 160	P	02/25/2025	16:10	lb134801
	Silver	10.5	10.0	105	40 - 160	P	02/25/2025	16:10	lb134801



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Weston Solutions				SDG No.:	Q1352				
Contract:	WEST04	Lab Code:	CHEM	Case No.:	Q1352	SAS No.:	Q1352			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB05	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/14/2025	11:03	LB134719

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions

SDG No.: Q1352

Contract: WEST04

Lab Code: CHEM

Case No.: Q1352

SAS No.: Q1352

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB72	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/14/2025	11:08	LB134719
CCB73	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/14/2025	11:38	LB134719
CCB74	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/14/2025	12:08	LB134719
CCB75	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	02/14/2025	12:38	LB134719

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Weston Solutions</u>		SDG No.: <u>Q1352</u>								
Contract: <u>WEST04</u>		Lab Code: <u>CHEM</u>		Case No.: <u>Q1352</u>			SAS No.: <u>Q1352</u>			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	11:56	LB134738
	Barium	100	+/-100	U	25.0	100	P	02/17/2025	11:56	LB134738
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	02/17/2025	11:56	LB134738
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	11:56	LB134738
	Lead	12.0	+/-12.0	U	9.60	12.0	P	02/17/2025	11:56	LB134738
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	11:56	LB134738
	Silver	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	11:56	LB134738

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Weston Solutions</u>		SDG No.: <u>Q1352</u>								
Contract: <u>WEST04</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1352</u>	SAS No.: <u>Q1352</u>							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	12:17	LB134738
	Barium	100	+/-100	U	25.0	100	P	02/17/2025	12:17	LB134738
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	02/17/2025	12:17	LB134738
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	12:17	LB134738
	Lead	12.0	+/-12.0	U	9.60	12.0	P	02/17/2025	12:17	LB134738
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	12:17	LB134738
	Silver	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	12:17	LB134738
CCB02	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	13:10	LB134738
	Barium	100	+/-100	U	25.0	100	P	02/17/2025	13:10	LB134738
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	02/17/2025	13:10	LB134738
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	13:10	LB134738
	Lead	12.0	+/-12.0	U	9.60	12.0	P	02/17/2025	13:10	LB134738
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	13:10	LB134738
	Silver	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	13:10	LB134738
CCB03	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	14:06	LB134738
	Barium	100	+/-100	U	25.0	100	P	02/17/2025	14:06	LB134738
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	02/17/2025	14:06	LB134738
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	14:06	LB134738
	Lead	12.0	+/-12.0	U	9.60	12.0	P	02/17/2025	14:06	LB134738
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	14:06	LB134738
	Silver	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	14:06	LB134738
CCB04	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	14:58	LB134738
	Barium	100	+/-100	U	25.0	100	P	02/17/2025	14:58	LB134738
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	02/17/2025	14:58	LB134738
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	14:58	LB134738
	Lead	12.0	+/-12.0	U	9.60	12.0	P	02/17/2025	14:58	LB134738
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	14:58	LB134738
	Silver	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	14:58	LB134738
CCB05	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	15:15	LB134738
	Barium	100	+/-100	U	25.0	100	P	02/17/2025	15:15	LB134738
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	02/17/2025	15:15	LB134738
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	15:15	LB134738
	Lead	12.0	+/-12.0	U	9.60	12.0	P	02/17/2025	15:15	LB134738
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	02/17/2025	15:15	LB134738
	Silver	10.0	+/-10.0	U	5.00	10.0	P	02/17/2025	15:15	LB134738

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Weston Solutions</u>		SDG No.: <u>Q1352</u>								
Contract: <u>WEST04</u>		Lab Code: <u>CHEM</u>		Case No.: <u>Q1352</u>			SAS No.: <u>Q1352</u>			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	02/25/2025	16:06	lb134801
	Barium	100	+/-100	U	25.0	100	P	02/25/2025	16:06	lb134801
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	02/25/2025	16:06	lb134801
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	02/25/2025	16:06	lb134801
	Lead	12.0	+/-12.0	U	9.60	12.0	P	02/25/2025	16:06	lb134801
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	02/25/2025	16:06	lb134801
	Silver	10.0	+/-10.0	U	5.00	10.0	P	02/25/2025	16:06	lb134801

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Weston Solutions</u>		SDG No.: <u>Q1352</u>								
Contract: <u>WEST04</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1352</u>			SAS No.: <u>Q1352</u>					
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	02/25/2025	16:27	lb134801
	Barium	100	+/-100	U	25.0	100	P	02/25/2025	16:27	lb134801
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	02/25/2025	16:27	lb134801
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	02/25/2025	16:27	lb134801
	Lead	12.0	+/-12.0	U	9.60	12.0	P	02/25/2025	16:27	lb134801
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	02/25/2025	16:27	lb134801
	Silver	10.0	+/-10.0	U	5.00	10.0	P	02/25/2025	16:27	lb134801
CCB02	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	02/25/2025	16:58	lb134801
	Barium	100	+/-100	U	25.0	100	P	02/25/2025	16:58	lb134801
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	02/25/2025	16:58	lb134801
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	02/25/2025	16:58	lb134801
	Lead	12.0	+/-12.0	U	9.60	12.0	P	02/25/2025	16:58	lb134801
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	02/25/2025	16:58	lb134801
	Silver	10.0	+/-10.0	U	5.00	10.0	P	02/25/2025	16:58	lb134801

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions

SDG No.: Q1352

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166700TB		WATER		Batch Number:		PB166720		Prep Date:	02/13/2025	
	Mercury	2.00	<2.00	U	1.60	2.00	CV	02/14/2025	12:17	LB134719
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166720BL		WATER		Batch Number:		PB166720		Prep Date:	02/13/2025	
	Mercury	0.20	<0.20	U	0.16	0.20	CV	02/14/2025	11:17	LB134719

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions

SDG No.: Q1352

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166700TB		WATER		Batch Number:		PB166715		Prep Date:	02/13/2025	
	Arsenic	100	<100	U	80.0	100	P	02/17/2025	12:57	LB134738
	Barium	500	<500	U	125	500	P	02/17/2025	12:57	LB134738
	Cadmium	30.0	<30.0	U	7.50	30.0	P	02/17/2025	12:57	LB134738
	Chromium	10.6	<50.0	J	25.0	50.0	P	02/17/2025	12:57	LB134738
	Lead	60.0	<60.0	U	48.0	60.0	P	02/17/2025	12:57	LB134738
	Selenium	100	<100	U	80.0	100	P	02/17/2025	12:57	LB134738
	Silver	50.0	<50.0	U	25.0	50.0	P	02/17/2025	12:57	LB134738
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166702TB		WATER		Batch Number:		PB166715		Prep Date:	02/13/2025	
	Arsenic	100	<100	U	80.0	100	P	02/17/2025	13:28	LB134738
	Barium	500	<500	U	125	500	P	02/17/2025	13:28	LB134738
	Cadmium	30.0	<30.0	U	7.50	30.0	P	02/17/2025	13:28	LB134738
	Chromium	10.2	<50.0	J	25.0	50.0	P	02/17/2025	13:28	LB134738
	Lead	60.0	<60.0	U	48.0	60.0	P	02/17/2025	13:28	LB134738
	Selenium	100	<100	U	80.0	100	P	02/17/2025	13:28	LB134738
	Silver	50.0	<50.0	U	25.0	50.0	P	02/17/2025	13:28	LB134738
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166715BL		WATER		Batch Number:		PB166715		Prep Date:	02/13/2025	
	Arsenic	100	<100	U	80.0	100	P	02/25/2025	16:32	lb134801
	Barium	500	<500	U	125	500	P	02/25/2025	16:32	lb134801
	Cadmium	30.0	<30.0	U	7.50	30.0	P	02/25/2025	16:32	lb134801
	Chromium	50.0	<50.0	U	25.0	50.0	P	02/25/2025	16:32	lb134801
	Lead	60.0	<60.0	U	48.0	60.0	P	02/25/2025	16:32	lb134801
	Selenium	100	<100	U	80.0	100	P	02/25/2025	16:32	lb134801
	Silver	50.0	<50.0	U	25.0	50.0	P	02/25/2025	16:32	lb134801

Metals
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INTERFERENCE CHECK SAMPLE

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	0.22			-20	20	02/17/2025	12:05	LB134738
	Barium	3.54	6.0	59	-94	106	02/17/2025	12:05	LB134738
	Cadmium	5.28	1.0	528	-5	7	02/17/2025	12:05	LB134738
	Chromium	58.1	52.0	112	42	62	02/17/2025	12:05	LB134738
	Lead	6.05			-12	12	02/17/2025	12:05	LB134738
	Selenium	-14.1			-20	20	02/17/2025	12:05	LB134738
	Silver	-4.35			-10	10	02/17/2025	12:05	LB134738
ICSAB01	Arsenic	114	104	110	88.4	120	02/17/2025	12:09	LB134738
	Barium	450	537	84	437	637	02/17/2025	12:09	LB134738
	Cadmium	1010	972	104	826	1120	02/17/2025	12:09	LB134738
	Chromium	583	542	108	460	624	02/17/2025	12:09	LB134738
	Lead	56.7	49.0	116	37	61	02/17/2025	12:09	LB134738
	Selenium	39.2	46.0	85	26	66	02/17/2025	12:09	LB134738
	Silver	217	201	108	170	232	02/17/2025	12:09	LB134738
ICSA01	Arsenic	5.14			-20	20	02/25/2025	16:15	lb134801
	Barium	5.02	6.0	84	-94	106	02/25/2025	16:15	lb134801
	Cadmium	-1.53	1.0	153	-5	7	02/25/2025	16:15	lb134801
	Chromium	58.9	52.0	113	42	62	02/25/2025	16:15	lb134801
	Lead	7.11			-12	12	02/25/2025	16:15	lb134801
	Selenium	-8.52			-20	20	02/25/2025	16:15	lb134801
	Silver	-3.59			-10	10	02/25/2025	16:15	lb134801
ICSAB01	Arsenic	110	104	106	88.4	120	02/25/2025	16:19	lb134801
	Barium	445	537	83	437	637	02/25/2025	16:19	lb134801
	Cadmium	968	972	100	826	1120	02/25/2025	16:19	lb134801
	Chromium	574	542	106	460	624	02/25/2025	16:19	lb134801
	Lead	55.6	49.0	114	37	61	02/25/2025	16:19	lb134801
	Selenium	42.0	46.0	91	26	66	02/25/2025	16:19	lb134801
	Silver	217	201	108	170	232	02/25/2025	16:19	lb134801



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1352
contract: WEST04 **lab code:** CHEM **case no.:** Q1352 **sas no.:** Q1352
matrix: Water **sample id:** Q1356-03 **client id:** SOIL-PILEMS
Percent Solids for Sample: NA **Spiked ID:** Q1356-03MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	32.1		2.00	U	40.0	80	N	CV

metals

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions level: low sdg no.: Q1352
contract: WEST04 lab code: CHEM case no.: Q1352 sas no.: Q1352
matrix: Water sample id: Q1356-03 client id: SOIL-PILEMSD
Percent Solids for Sample: NA Spiked ID: Q1356-03MSD Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	33.1		2.00	U	40.0	83		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1352
contract: WEST04 **lab code:** CHEM **case no.:** Q1352 **sas no.:** Q1352
matrix: Water **sample id:** Q1356-04 **client id:** CARBON-WATERMS
Percent Solids for Sample: NA **Spiked ID:** Q1356-04MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	4090		100	U	4000	102		P
Barium	ug/L	88 - 113	1000		75.7	J	1000	93		P
Cadmium	ug/L	88 - 113	960		30.0	U	1000	96		P
Chromium	ug/L	90 - 113	2090		50.0	U	2000	104		P
Lead	ug/L	86 - 113	4820		60.0	U	5000	96		P
Selenium	ug/L	83 - 114	9620		100	U	10000	96		P
Silver	ug/L	84 - 115	373		50.0	U	380	98		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1352
contract: WEST04 **lab code:** CHEM **case no.:** Q1352 **sas no.:** Q1352
matrix: Water **sample id:** Q1356-04 **client id:** CARBON-WATERMSD
Percent Solids for Sample: NA **Spiked ID:** Q1356-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	4150		100	U	4000	104		P
Barium	ug/L	88 - 113	1010		75.7	J	1000	93		P
Cadmium	ug/L	88 - 113	966		30.0	U	1000	97		P
Chromium	ug/L	90 - 113	2100		50.0	U	2000	105		P
Lead	ug/L	86 - 113	4850		60.0	U	5000	97		P
Selenium	ug/L	83 - 114	9780		100	U	10000	98		P
Silver	ug/L	84 - 115	376		50.0	U	380	99		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Matrix: Water **Level:** LOW **Client ID:** SOIL-PILEA
Sample ID: Q1356-03 **Spiked ID:** Q1356-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	31.1		2.00	U	40.0	78		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Weston Solutions **Level:** LOW **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Matrix: Water **Sample ID:** Q1356-03 **Client ID:** SOIL-PILEDUP
Percent Solids for Sample: NA **Duplicate ID** Q1356-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.00	U	2.00	U			CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Weston Solutions</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1352</u>
Contract:	<u>WEST04</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1352</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q1356-03MS</u>	Client ID:	<u>SOIL-PILEMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q1356-03MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	32.1		33.1		3		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Weston Solutions **Level:** LOW **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Matrix: Water **Sample ID:** Q1356-04 **Client ID:** CARBON-WATERDUP
Percent Solids for Sample: NA **Duplicate ID** Q1356-04DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	75.7	J	75.5	J	0		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	60.0	U	60.0	U			P
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Weston Solutions **Level:** LOW **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352
Matrix: Water **Sample ID:** Q1356-04MS **Client ID:** CARBON-WATERMSD
Percent Solids for Sample: NA **Duplicate ID** Q1356-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4090		4150		1		P
Barium	ug/L	20	1000		1010		1		P
Cadmium	ug/L	20	960		966		1		P
Chromium	ug/L	20	2090		2100		0		P
Lead	ug/L	20	4820		4850		1		P
Selenium	ug/L	20	9620		9780		2		P
Silver	ug/L	20	373		376		1		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1352 **SAS No.:** Q1352

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166715BS							
Arsenic	ug/L	4000	3980		100	87 - 113	P
Barium	ug/L	1000	1010		101	88 - 113	P
Cadmium	ug/L	1000	953		95	88 - 113	P
Chromium	ug/L	2000	2030		102	90 - 113	P
Lead	ug/L	5000	4820		96	86 - 113	P
Selenium	ug/L	10000	9580		96	83 - 114	P
Silver	ug/L	380	379		100	84 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Weston Solutions

SDG No.: Q1352

Contract: WEST04

Lab Code: CHEM

Case No.: Q1352

SAS No.: Q1352

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166720BS Mercury	ug/L	4.0	3.60		90	82 - 119	CV

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

SOIL-PILEL

Lab Name: Chemtech Consulting Group

Contract: WEST04

Lab Code: CHEM

Lb No.: lb134719

Lab Sample ID : Q1356-03L

SDG No.: Q1352

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	2.00 U	10.0 U			CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

CARBON-WATERL

Lab Name: Chemtech Consulting Group

Contract: WEST04

Lab Code: CHEM **Lb No.:** lb134738 **Lab Sample ID :** Q1356-04L **SDG No.:** Q1352

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Arsenic	100	U	500	U			P
Barium	75.7	J	2500	U	100.0		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	60.0	U	300	U			P
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions

SDG No.: Q1352

Contract: WEST04

Lab Code: CHEM

Case No.: Q1352

SAS No.: Q1352

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions

SDG No.: Q1352

Contract: WEST04

Lab Code: CHEM

Case No.: Q1352

SAS No.: Q1352

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions

SDG No.: Q1352

Contract: WEST04

Lab Code: CHEM

Case No.: Q1352

SAS No.: Q1352

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions

SDG No.: Q1352

Contract: WEST04

Lab Code: CHEM

Case No.: Q1352

SAS No.: Q1352

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
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Weston Solutions

SDG No.: Q1352

Contract: WEST04

Lab Code: CHEM

Case No.: Q1352

SAS No.: Q1352

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Method:**
Case No.: Q1352 **SAS No.:** Q1352

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166715							
PB166700TB	PB166700TB	MB	WATER	02/13/2025	5.0	25.0	
PB166702TB	PB166702TB	MB	WATER	02/13/2025	5.0	25.0	
PB166715BL	PB166715BL	MB	WATER	02/13/2025	5.0	25.0	
PB166715BS	PB166715BS	LCS	WATER	02/13/2025	5.0	25.0	
Q1352-02	TAP-IDW-SOIL-021025	SAM	WATER	02/13/2025	5.0	25.0	
Q1356-04DUP	CARBON-WATERDUP	DUP	WATER	02/13/2025	5.0	25.0	
Q1356-04MS	CARBON-WATERMS	MS	WATER	02/13/2025	5.0	25.0	
Q1356-04MSD	CARBON-WATERMSD	MSD	WATER	02/13/2025	5.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: Weston Solutions **SDG No.:** Q1352
Contract: WEST04 **Lab Code:** CHEM **Method:**
Case No.: Q1352 **SAS No.:** Q1352

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166720							
PB166700TB	PB166700TB	MB	WATER	02/13/2025	3.0	30.0	
PB166720BL	PB166720BL	MB	WATER	02/13/2025	30.0	30.0	
PB166720BS	PB166720BS	LCS	WATER	02/13/2025	30.0	30.0	
Q1352-02	TAP-IDW-SOIL-021025	SAM	WATER	02/13/2025	3.0	30.0	
Q1356-03DUP	SOIL-PILEDUP	DUP	WATER	02/13/2025	3.0	30.0	
Q1356-03MS	SOIL-PILEMS	MS	WATER	02/13/2025	3.0	30.0	
Q1356-03MSD	SOIL-PILEMSD	MSD	WATER	02/13/2025	3.0	30.0	

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ANALYSIS RUN LOG

Client: Weston Solutions **Contract:** WEST04

Lab code: CHEM **Case no.:** Q1352 **Sas no.:** Q1352 **Sdg no.:** Q1352

Instrument id number: **Method:** **Run number:** LB134719

Start date: 02/14/2025 **End date:** 02/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1045	HG
S0.2	S0.2	1	1047	HG
S2.5	S2.5	1	1049	HG
S5	S5	1	1052	HG
S7.5	S7.5	1	1054	HG
S10	S10	1	1056	HG
ICV05	ICV05	1	1101	HG
ICB05	ICB05	1	1103	HG
CCV72	CCV72	1	1106	HG
CCB72	CCB72	1	1108	HG
CRA	CRA	1	1110	HG
PB166720BL	PB166720BL	1	1117	HG
PB166720BS	PB166720BS	1	1122	HG
Q1352-02	TAP-IDW-SOIL-021025	1	1124	HG
Q1356-03DUP	SOIL-PILEDUP	1	1133	HG
CCV73	CCV73	1	1136	HG
CCB73	CCB73	1	1138	HG
Q1356-03MS	SOIL-PILEMS	1	1140	HG
Q1356-03MSD	SOIL-PILEMSD	1	1145	HG
CCV74	CCV74	1	1206	HG
CCB74	CCB74	1	1208	HG
PB166700TB	PB166700TB	1	1217	HG
Q1356-03L	SOIL-PILEL	5	1222	HG
Q1356-03A	SOIL-PILEA	1	1224	HG
CCV75	CCV75	1	1236	HG
CCB75	CCB75	1	1238	HG

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ANALYSIS RUN LOG

Client: Weston Solutions **Contract:** WEST04

Lab code: CHEM **Case no.:** Q1352 **Sas no.:** Q1352 **Sdg no.:** Q1352

Instrument id number: **Method:** **Run number:** LB134738

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

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1053	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1057	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1102	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1106	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1110	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1114	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1146	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1150	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1156	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1200	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1205	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1209	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1213	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1217	Ag,As,Ba,Cd,Cr,Pb,Se
PB166700TB	PB166700TB	1	1257	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1306	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1310	Ag,As,Ba,Cd,Cr,Pb,Se
Q1352-02	TAP-IDW-SOIL-021025	1	1315	Ag,As,Ba,Cd,Cr,Pb,Se
PB166702TB	PB166702TB	1	1328	Ag,As,Ba,Cd,Cr,Pb,Se
Q1356-04DUP	CARBON-WATERDUP	1	1337	Ag,As,Ba,Cd,Cr,Pb,Se
Q1356-04L	CARBON-WATERL	5	1341	Ag,As,Ba,Cd,Cr,Pb,Se
Q1356-04MS	CARBON-WATERMS	1	1345	Ag,As,Ba,Cd,Cr,Pb,Se
Q1356-04MSD	CARBON-WATERMSD	1	1349	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1357	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1406	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1453	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1458	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1512	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1515	Ag,As,Ba,Cd,Cr,Pb,Se

metals
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ANALYSIS RUN LOG

Client: Weston Solutions **Contract:** WEST04

Lab code: CHEM **Case no.:** Q1352 **Sas no.:** Q1352 **Sdg no.:** Q1352

Instrument id number: **Method:** **Run number:** lb134801

Start date: 02/25/2025 **End date:** 02/25/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1531	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1536	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1540	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1544	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1549	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1553	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1557	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1602	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1606	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1610	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1615	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1619	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1623	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1627	Ag,As,Ba,Cd,Cr,Pb,Se
PB166715BL	PB166715BL	1	1632	Ag,As,Ba,Cd,Cr,Pb,Se
PB166715BS	PB166715BS	1	1648	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1654	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1658	Ag,As,Ba,Cd,Cr,Pb,Se