



LAB CHRONICLE

OrderID:	P5380	OrderDate:	12/23/2024 9:50:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-02	TAPIAL3-IDW-SOIL-1 22024-T1	TCLP			12/20/24			12/21/24
			TCLP ICP Metals	6010D		12/27/24	12/30/24	
			TCLP Mercury	7470A		12/30/24	12/30/24	



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

Hit Summary Sheet
SW-846

SDG No.:	P5380	Order ID:	P5380
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 : TAPIAL3-IDW-SOIL-122024-T1									
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	TCLP	Barium	366	J	62.8	125	500	ug/L
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	TCLP	Chromium	25.4	J	6.60	25.0	50.0	ug/L
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	TCLP	Lead	150		35.1	48.0	60.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	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	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7440-39-3	Barium	366	JN	1	62.8	125	500	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7440-43-9	Cadmium	7.50	U	1	0.94	7.50	30.0	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7440-47-3	Chromium	25.4	J	1	6.60	25.0	50.0	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7439-92-1	Lead	150		1	35.1	48.0	60.0	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7439-97-6	Mercury	1.60	U	1	0.81	1.60	2.00	ug/L	12/30/24 11:50	12/30/24 14:51	SW7470A	
7782-49-2	Selenium	80.0	U	1	58.8	80.0	100	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7440-22-4	Silver	25.0	U	1	5.80	25.0	50.0	ug/L	12/27/24 09:30	12/30/24 16:33	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



Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV38	Mercury	3.74	4.0	93	90 - 110	CV	12/30/2024	14:28	LB134125

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
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
CCV88	Mercury	4.87	5.0	97	90 - 110	CV	12/30/2024	14:32	LB134125
CCV89	Mercury	4.87	5.0	97	90 - 110	CV	12/30/2024	15:05	LB134125
CCV90	Mercury	4.91	5.0	98	90 - 110	CV	12/30/2024	15:24	LB134125

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions SDG No.: P5380

Contract: WEST04 Lab Code: CHEM Case No.: P5380 SAS No.: P5380

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	1030	1000	103	90 - 110	P	01/06/2025	13:00	lb134166
	Barium	480	520	92	90 - 110	P	01/06/2025	13:00	lb134166
	Cadmium	505	510	99	90 - 110	P	01/06/2025	13:00	lb134166
	Chromium	538	520	104	90 - 110	P	01/06/2025	13:00	lb134166
	Lead	1010	1000	101	90 - 110	P	01/06/2025	13:00	lb134166
	Selenium	1030	1000	103	90 - 110	P	01/06/2025	13:00	lb134166
	Silver	259	250	104	90 - 110	P	01/06/2025	13:00	lb134166

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
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	22.5	20.0	113	80 - 120	P	01/06/2025	13:13	lb134166
	Barium	91.0	100	91	80 - 120	P	01/06/2025	13:13	lb134166
	Cadmium	5.96	6.0	99	80 - 120	P	01/06/2025	13:13	lb134166
	Chromium	9.72	10.0	97	80 - 120	P	01/06/2025	13:13	lb134166
	Lead	12.6	12.0	105	80 - 120	P	01/06/2025	13:13	lb134166
	Selenium	17.3	20.0	86	80 - 120	P	01/06/2025	13:13	lb134166
	Silver	9.89	10.0	99	80 - 120	P	01/06/2025	13:13	lb134166

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions SDG No.: P5380
 Contract: WEST04 Lab Code: CHEM Case No.: P5380 SAS No.: P5380
 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	4940	5000	99	90 - 110	P	01/06/2025	13:43	lb134166
	Barium	9790	10000	98	90 - 110	P	01/06/2025	13:43	lb134166
	Cadmium	2470	2500	99	90 - 110	P	01/06/2025	13:43	lb134166
	Chromium	1010	1000	101	90 - 110	P	01/06/2025	13:43	lb134166
	Lead	4920	5000	98	90 - 110	P	01/06/2025	13:43	lb134166
	Selenium	4950	5000	99	90 - 110	P	01/06/2025	13:43	lb134166
	Silver	1240	1250	100	90 - 110	P	01/06/2025	13:43	lb134166
CCV02	Arsenic	4920	5000	98	90 - 110	P	01/06/2025	14:15	lb134166
	Barium	9680	10000	97	90 - 110	P	01/06/2025	14:15	lb134166
	Cadmium	2470	2500	99	90 - 110	P	01/06/2025	14:15	lb134166
	Chromium	1010	1000	101	90 - 110	P	01/06/2025	14:15	lb134166
	Lead	4920	5000	98	90 - 110	P	01/06/2025	14:15	lb134166
	Selenium	4930	5000	99	90 - 110	P	01/06/2025	14:15	lb134166
	Silver	1230	1250	98	90 - 110	P	01/06/2025	14:15	lb134166
CCV03	Arsenic	4850	5000	97	90 - 110	P	01/06/2025	15:06	lb134166
	Barium	9670	10000	97	90 - 110	P	01/06/2025	15:06	lb134166
	Cadmium	2480	2500	99	90 - 110	P	01/06/2025	15:06	lb134166
	Chromium	1040	1000	104	90 - 110	P	01/06/2025	15:06	lb134166
	Lead	4940	5000	99	90 - 110	P	01/06/2025	15:06	lb134166
	Selenium	4840	5000	97	90 - 110	P	01/06/2025	15:06	lb134166
	Silver	1260	1250	101	90 - 110	P	01/06/2025	15:06	lb134166
CCV04	Arsenic	4860	5000	97	90 - 110	P	01/06/2025	15:48	lb134166
	Barium	9490	10000	95	90 - 110	P	01/06/2025	15:48	lb134166
	Cadmium	2470	2500	99	90 - 110	P	01/06/2025	15:48	lb134166
	Chromium	1030	1000	103	90 - 110	P	01/06/2025	15:48	lb134166
	Lead	4910	5000	98	90 - 110	P	01/06/2025	15:48	lb134166
	Selenium	4850	5000	97	90 - 110	P	01/06/2025	15:48	lb134166
	Silver	1260	1250	101	90 - 110	P	01/06/2025	15:48	lb134166
CCV05	Arsenic	5040	5000	101	90 - 110	P	01/06/2025	16:24	lb134166
	Barium	9420	10000	94	90 - 110	P	01/06/2025	16:24	lb134166
	Cadmium	2580	2500	103	90 - 110	P	01/06/2025	16:24	lb134166
	Chromium	1050	1000	105	90 - 110	P	01/06/2025	16:24	lb134166
	Lead	5120	5000	102	90 - 110	P	01/06/2025	16:24	lb134166
	Selenium	5040	5000	101	90 - 110	P	01/06/2025	16:24	lb134166

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
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	1280	1250	102	90 - 110	P	01/06/2025	16:24	1b134166

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
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	1020	1000	102	90 - 110	P	12/30/2024	14:20	LB134129
	Barium	491	520	94	90 - 110	P	12/30/2024	14:20	LB134129
	Cadmium	511	510	100	90 - 110	P	12/30/2024	14:20	LB134129
	Chromium	536	520	103	90 - 110	P	12/30/2024	14:20	LB134129
	Lead	1010	1000	101	90 - 110	P	12/30/2024	14:20	LB134129
	Selenium	989	1000	99	90 - 110	P	12/30/2024	14:20	LB134129
	Silver	259	250	104	90 - 110	P	12/30/2024	14:20	LB134129

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
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	20.7	20.0	104	80 - 120	P	12/30/2024	14:24	LB134129
	Barium	92.2	100	92	80 - 120	P	12/30/2024	14:24	LB134129
	Cadmium	6.21	6.0	104	80 - 120	P	12/30/2024	14:24	LB134129
	Chromium	9.47	10.0	95	80 - 120	P	12/30/2024	14:24	LB134129
	Lead	11.3	12.0	94	80 - 120	P	12/30/2024	14:24	LB134129
	Selenium	18.4	20.0	92	80 - 120	P	12/30/2024	14:24	LB134129
	Silver	10.2	10.0	102	80 - 120	P	12/30/2024	14:24	LB134129

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions SDG No.: P5380
Contract: WEST04 Lab Code: CHEM Case No.: P5380 SAS No.: P5380
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	4640	5000	93	90 - 110	P	12/30/2024	14:49	LB134129
	Barium	9260	10000	93	90 - 110	P	12/30/2024	14:49	LB134129
	Cadmium	2370	2500	95	90 - 110	P	12/30/2024	14:49	LB134129
	Chromium	972	1000	97	90 - 110	P	12/30/2024	14:49	LB134129
	Lead	4730	5000	95	90 - 110	P	12/30/2024	14:49	LB134129
	Selenium	4610	5000	92	90 - 110	P	12/30/2024	14:49	LB134129
	Silver	1200	1250	96	90 - 110	P	12/30/2024	14:49	LB134129
CCV02	Arsenic	4750	5000	95	90 - 110	P	12/30/2024	15:19	LB134129
	Barium	9410	10000	94	90 - 110	P	12/30/2024	15:19	LB134129
	Cadmium	2440	2500	98	90 - 110	P	12/30/2024	15:19	LB134129
	Chromium	1000	1000	100	90 - 110	P	12/30/2024	15:19	LB134129
	Lead	4860	5000	97	90 - 110	P	12/30/2024	15:19	LB134129
	Selenium	4750	5000	95	90 - 110	P	12/30/2024	15:19	LB134129
	Silver	1240	1250	99	90 - 110	P	12/30/2024	15:19	LB134129
CCV03	Arsenic	4850	5000	97	90 - 110	P	12/30/2024	16:12	LB134129
	Barium	9200	10000	92	90 - 110	P	12/30/2024	16:12	LB134129
	Cadmium	2460	2500	98	90 - 110	P	12/30/2024	16:12	LB134129
	Chromium	980	1000	98	90 - 110	P	12/30/2024	16:12	LB134129
	Lead	4830	5000	97	90 - 110	P	12/30/2024	16:12	LB134129
	Selenium	4960	5000	99	90 - 110	P	12/30/2024	16:12	LB134129
	Silver	1200	1250	96	90 - 110	P	12/30/2024	16:12	LB134129
CCV04	Arsenic	4780	5000	96	90 - 110	P	12/30/2024	17:04	LB134129
	Barium	9090	10000	91	90 - 110	P	12/30/2024	17:04	LB134129
	Cadmium	2520	2500	101	90 - 110	P	12/30/2024	17:04	LB134129
	Chromium	1000	1000	100	90 - 110	P	12/30/2024	17:04	LB134129
	Lead	4900	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Selenium	4930	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Silver	1220	1250	97	90 - 110	P	12/30/2024	17:04	LB134129
CCV05	Arsenic	4790	5000	96	90 - 110	P	12/30/2024	17:54	LB134129
	Barium	9080	10000	91	90 - 110	P	12/30/2024	17:54	LB134129
	Cadmium	2520	2500	101	90 - 110	P	12/30/2024	17:54	LB134129
	Chromium	999	1000	100	90 - 110	P	12/30/2024	17:54	LB134129
	Lead	4900	5000	98	90 - 110	P	12/30/2024	17:54	LB134129
	Selenium	4950	5000	99	90 - 110	P	12/30/2024	17:54	LB134129

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
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	1220	1250	98	90 - 110	P	12/30/2024	17:54	LB134129
CCV06	Arsenic	4710	5000	94	90 - 110	P	12/30/2024	18:44	LB134129
	Barium	9140	10000	91	90 - 110	P	12/30/2024	18:44	LB134129
	Cadmium	2490	2500	100	90 - 110	P	12/30/2024	18:44	LB134129
	Chromium	996	1000	100	90 - 110	P	12/30/2024	18:44	LB134129
	Lead	4840	5000	97	90 - 110	P	12/30/2024	18:44	LB134129
	Selenium	4910	5000	98	90 - 110	P	12/30/2024	18:44	LB134129
	Silver	1220	1250	98	90 - 110	P	12/30/2024	18:44	LB134129
CCV07	Arsenic	4710	5000	94	90 - 110	P	12/30/2024	19:24	LB134129
	Barium	9770	10000	98	90 - 110	P	12/30/2024	19:24	LB134129
	Cadmium	2530	2500	101	90 - 110	P	12/30/2024	19:24	LB134129
	Chromium	1000	1000	100	90 - 110	P	12/30/2024	19:24	LB134129
	Lead	4870	5000	97	90 - 110	P	12/30/2024	19:24	LB134129
	Selenium	4970	5000	99	90 - 110	P	12/30/2024	19:24	LB134129
	Silver	1220	1250	97	90 - 110	P	12/30/2024	19:24	LB134129



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.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	21.1	20.0	105	40 - 160	P	12/30/2024	14:32	LB134129
	Barium	91.3	100	91	40 - 160	P	12/30/2024	14:32	LB134129
	Cadmium	6.07	6.0	101	40 - 160	P	12/30/2024	14:32	LB134129
	Chromium	9.09	10.0	91	40 - 160	P	12/30/2024	14:32	LB134129
	Lead	11.3	12.0	94	40 - 160	P	12/30/2024	14:32	LB134129
	Selenium	17.9	20.0	89	40 - 160	P	12/30/2024	14:32	LB134129
	Silver	10.4	10.0	104	40 - 160	P	12/30/2024	14:32	LB134129
CRA	Mercury	0.19	0.2	97	40 - 160	CV	12/30/2024	14:37	LB134125
CRI01	Arsenic	20.1	20.0	100	40 - 160	P	01/06/2025	13:21	lb134166
	Barium	90.6	100	91	40 - 160	P	01/06/2025	13:21	lb134166
	Cadmium	5.94	6.0	99	40 - 160	P	01/06/2025	13:21	lb134166
	Chromium	9.80	10.0	98	40 - 160	P	01/06/2025	13:21	lb134166
	Lead	12.0	12.0	100	40 - 160	P	01/06/2025	13:21	lb134166
	Selenium	18.6	20.0	93	40 - 160	P	01/06/2025	13:21	lb134166
	Silver	10.2	10.0	102	40 - 160	P	01/06/2025	13:21	lb134166



INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

SAS No.: P5380

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB38	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/30/2024	14:30	LB134125

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB88	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/30/2024	14:35	LB134125
CCB89	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/30/2024	15:07	LB134125
CCB90	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/30/2024	15:27	LB134125

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380

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	01/06/2025	13:17	lb134166
	Barium	100	+/-100	U	25.0	100	P	01/06/2025	13:17	lb134166
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	01/06/2025	13:17	lb134166
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	13:17	lb134166
	Lead	12.0	+/-12.0	U	9.60	12.0	P	01/06/2025	13:17	lb134166
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	13:17	lb134166
	Silver	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	13:17	lb134166

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Weston Solutions</u>		SDG No.: <u>P5380</u>								
Contract: <u>WEST04</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P5380</u>			SAS No.: <u>P5380</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	01/06/2025	13:53	lb134166
	Barium	100	+/-100	U	25.0	100	P	01/06/2025	13:53	lb134166
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	01/06/2025	13:53	lb134166
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	13:53	lb134166
	Lead	12.0	+/-12.0	U	9.60	12.0	P	01/06/2025	13:53	lb134166
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	13:53	lb134166
	Silver	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	13:53	lb134166
CCB02	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	14:19	lb134166
	Barium	100	+/-100	U	25.0	100	P	01/06/2025	14:19	lb134166
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	01/06/2025	14:19	lb134166
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	14:19	lb134166
	Lead	12.0	+/-12.0	U	9.60	12.0	P	01/06/2025	14:19	lb134166
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	14:19	lb134166
	Silver	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	14:19	lb134166
CCB03	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	15:10	lb134166
	Barium	100	+/-100	U	25.0	100	P	01/06/2025	15:10	lb134166
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	01/06/2025	15:10	lb134166
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	15:10	lb134166
	Lead	12.0	+/-12.0	U	9.60	12.0	P	01/06/2025	15:10	lb134166
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	15:10	lb134166
	Silver	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	15:10	lb134166
CCB04	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	15:58	lb134166
	Barium	100	+/-100	U	25.0	100	P	01/06/2025	15:58	lb134166
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	01/06/2025	15:58	lb134166
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	15:58	lb134166
	Lead	12.0	+/-12.0	U	9.60	12.0	P	01/06/2025	15:58	lb134166
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	15:58	lb134166
	Silver	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	15:58	lb134166
CCB05	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	16:28	lb134166
	Barium	100	+/-100	U	25.0	100	P	01/06/2025	16:28	lb134166
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	01/06/2025	16:28	lb134166
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	16:28	lb134166
	Lead	12.0	+/-12.0	U	9.60	12.0	P	01/06/2025	16:28	lb134166
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	01/06/2025	16:28	lb134166
	Silver	10.0	+/-10.0	U	5.00	10.0	P	01/06/2025	16:28	lb134166

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380

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	12/30/2024	14:28	LB134129
	Barium	100	+/-100	U	25.0	100	P	12/30/2024	14:28	LB134129
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/30/2024	14:28	LB134129
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	14:28	LB134129
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/30/2024	14:28	LB134129
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	14:28	LB134129
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	14:28	LB134129

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Weston Solutions</u>		SDG No.: <u>P5380</u>								
Contract: <u>WEST04</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P5380</u>	SAS No.: <u>P5380</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	12/30/2024	14:53	LB134129
	Barium	100	+/-100	U	25.0	100	P	12/30/2024	14:53	LB134129
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/30/2024	14:53	LB134129
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	14:53	LB134129
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/30/2024	14:53	LB134129
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	14:53	LB134129
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	14:53	LB134129
CCB02	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	15:23	LB134129
	Barium	100	+/-100	U	25.0	100	P	12/30/2024	15:23	LB134129
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/30/2024	15:23	LB134129
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	15:23	LB134129
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/30/2024	15:23	LB134129
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	15:23	LB134129
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	15:23	LB134129
CCB03	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	16:16	LB134129
	Barium	100	+/-100	U	25.0	100	P	12/30/2024	16:16	LB134129
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/30/2024	16:16	LB134129
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	16:16	LB134129
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/30/2024	16:16	LB134129
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	16:16	LB134129
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	16:16	LB134129
CCB04	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	17:08	LB134129
	Barium	100	+/-100	U	25.0	100	P	12/30/2024	17:08	LB134129
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/30/2024	17:08	LB134129
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	17:08	LB134129
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/30/2024	17:08	LB134129
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	17:08	LB134129
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	17:08	LB134129
CCB05	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	17:58	LB134129
	Barium	100	+/-100	U	25.0	100	P	12/30/2024	17:58	LB134129
	Cadmium	0.24	+/-6.00	J	1.50	6.00	P	12/30/2024	17:58	LB134129
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	17:58	LB134129
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/30/2024	17:58	LB134129
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	17:58	LB134129
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	17:58	LB134129
CCB06	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	18:48	LB134129
	Barium	100	+/-100	U	25.0	100	P	12/30/2024	18:48	LB134129
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/30/2024	18:48	LB134129
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	18:48	LB134129



- 3a -

Client:	Weston Solutions		SDG No.:	P5380	
Contract:	WEST04	Lab Code:	CHEM	Case No.:	P5380
				SAS No.:	P5380

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/30/2024	18:48	LB134129
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	18:48	LB134129
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	18:48	LB134129
CCB07	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	19:31	LB134129
	Barium	100	+/-100	U	25.0	100	P	12/30/2024	19:31	LB134129
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/30/2024	19:31	LB134129
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	19:31	LB134129
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/30/2024	19:31	LB134129
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/30/2024	19:31	LB134129
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/30/2024	19:31	LB134129

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions

SDG No.: P5380

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165858TB	WATER			Batch Number:		PB165912		Prep Date:	12/30/2024	
	Mercury	2.00	<2.00	U	1.60	2.00	CV	12/30/2024	15:14	LB134125
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165912BL	WATER			Batch Number:		PB165912		Prep Date:	12/30/2024	
	Mercury	0.20	<0.20	U	0.16	0.20	CV	12/30/2024	14:44	LB134125

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Weston Solutions

SDG No.: P5380

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165858TB		WATER		Batch Number:		PB165887		Prep Date:	12/27/2024	
	Arsenic	100	<100	U	80.0	100	P	01/06/2025	14:53	lb134166
	Barium	500	<500	U	125	500	P	01/06/2025	14:53	lb134166
	Cadmium	30.0	<30.0	U	7.50	30.0	P	01/06/2025	14:53	lb134166
	Chromium	50.0	<50.0	U	25.0	50.0	P	01/06/2025	14:53	lb134166
	Lead	60.0	<60.0	U	48.0	60.0	P	01/06/2025	14:53	lb134166
	Selenium	100	<100	U	80.0	100	P	01/06/2025	14:53	lb134166
	Silver	50.0	<50.0	U	25.0	50.0	P	01/06/2025	14:53	lb134166
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165887BL		WATER		Batch Number:		PB165887		Prep Date:	12/27/2024	
	Arsenic	100	<100	U	80.0	100	P	01/06/2025	14:32	lb134166
	Barium	500	<500	U	125	500	P	01/06/2025	14:32	lb134166
	Cadmium	30.0	<30.0	U	7.50	30.0	P	01/06/2025	14:32	lb134166
	Chromium	50.0	<50.0	U	25.0	50.0	P	01/06/2025	14:32	lb134166
	Lead	60.0	<60.0	U	48.0	60.0	P	01/06/2025	14:32	lb134166
	Selenium	100	<100	U	80.0	100	P	01/06/2025	14:32	lb134166
	Silver	50.0	<50.0	U	25.0	50.0	P	01/06/2025	14:32	lb134166

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
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	6.64			-20	20	12/30/2024	14:37	LB134129
	Barium	4.90	6.0	82	-94	106	12/30/2024	14:37	LB134129
	Cadmium	-4.02	1.0	402	-5	7	12/30/2024	14:37	LB134129
	Chromium	57.9	52.0	111	42	62	12/30/2024	14:37	LB134129
	Lead	7.91			-12	12	12/30/2024	14:37	LB134129
	Selenium	-16.6			-20	20	12/30/2024	14:37	LB134129
	Silver	-8.33			-10	10	12/30/2024	14:37	LB134129
ICSAB01	Arsenic	107	104	103	88.4	120	12/30/2024	14:45	LB134129
	Barium	512	537	95	437	637	12/30/2024	14:45	LB134129
	Cadmium	1080	972	111	826	1120	12/30/2024	14:45	LB134129
	Chromium	617	542	114	460	624	12/30/2024	14:45	LB134129
	Lead	52.7	49.0	108	37	61	12/30/2024	14:45	LB134129
	Selenium	45.6	46.0	99	26	66	12/30/2024	14:45	LB134129
	Silver	226	201	112	170	232	12/30/2024	14:45	LB134129
ICSA01	Arsenic	4.94			-20	20	01/06/2025	13:26	lb134166
	Barium	2.86	6.0	48	-94	106	01/06/2025	13:26	lb134166
	Cadmium	1.48	1.0	148	-5	7	01/06/2025	13:26	lb134166
	Chromium	57.8	52.0	111	42	62	01/06/2025	13:26	lb134166
	Lead	7.82			-12	12	01/06/2025	13:26	lb134166
	Selenium	-10.5			-20	20	01/06/2025	13:26	lb134166
	Silver	-1.09			-10	10	01/06/2025	13:26	lb134166
ICSAB01	Arsenic	112	104	108	88.4	120	01/06/2025	13:34	lb134166
	Barium	477	537	89	437	637	01/06/2025	13:34	lb134166
	Cadmium	1000	972	103	826	1120	01/06/2025	13:34	lb134166
	Chromium	585	542	108	460	624	01/06/2025	13:34	lb134166
	Lead	57.5	49.0	117	37	61	01/06/2025	13:34	lb134166
	Selenium	39.2	46.0	85	26	66	01/06/2025	13:34	lb134166
	Silver	225	201	112	170	232	01/06/2025	13:34	lb134166



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Weston Solutions</u>	level: <u>low</u>	sdg no.: <u>P5380</u>
contract: <u>WEST04</u>	lab code: <u>CHEM</u>	case no.: <u>P5380</u> sas no.: <u>P5380</u>
matrix: <u>Water</u>	sample id: <u>P5386-04</u>	client id: <u>MOO-24-00395-96MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P5386-04MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	3750		100	U	4000	94		P
Barium	ug/L	88 - 113	1020		170	J	1000	85	N	P
Cadmium	ug/L	88 - 113	961		30.0	U	1000	96		P
Chromium	ug/L	90 - 113	1980		50.0	U	2000	99		P
Lead	ug/L	86 - 113	4770		169		5000	92		P
Mercury	ug/L	82 - 119	40.6		1.08	J	40.0	99		CV
Selenium	ug/L	83 - 114	8970		100	U	10000	90		P
Silver	ug/L	84 - 115	365		50.0	U	380	96		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Weston Solutions</u>	level: <u>low</u>	sdg no.: <u>P5380</u>
contract: <u>WEST04</u>	lab code: <u>CHEM</u>	case no.: <u>P5380</u> sas no.: <u>P5380</u>
matrix: <u>Water</u>	sample id: <u>P5386-04</u>	client id: <u>MOO-24-00395-96MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P5386-04MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	3720		100	U	4000	93		P
Barium	ug/L	88 - 113	1020		170	J	1000	85	N	P
Cadmium	ug/L	88 - 113	961		30.0	U	1000	96		P
Chromium	ug/L	90 - 113	1960		50.0	U	2000	98		P
Lead	ug/L	86 - 113	4750		169		5000	92		P
Mercury	ug/L	82 - 119	42.5		1.08	J	40.0	103		CV
Selenium	ug/L	83 - 114	8970		100	U	10000	90		P
Silver	ug/L	84 - 115	357		50.0	U	380	94		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Weston Solutions

SDG No.: P5380

Contract: WEST04

Lab Code: CHEM

Case No.: P5380

SAS No.: P5380

Matrix: Water

Level: LOW

Client ID: MOO-24-00395-96A

Sample ID: P5386-04

Spiked ID: P5386-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	88 - 113	1030		170	J	1000	86		P

A
B
C
D
E
F
G
H

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Weston Solutions **Level:** LOW **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
Matrix: Water **Sample ID:** P5386-04 **Client ID:** MOO-24-00395-96DUP
Percent Solids for Sample: NA **Duplicate ID** P5386-04DUP **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	170	J	175	J	3		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	169		169		0		P
Mercury	ug/L	20	1.08	J	1.02	J	6		CV
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.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380
Matrix: Water **Sample ID:** P5386-04MS **Client ID:** MOO-24-00395-96MSD
Percent Solids for Sample: NA **Duplicate ID** P5386-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3750		3720		1		P
Barium	ug/L	20	1020		1020		0		P
Cadmium	ug/L	20	961		961		0		P
Chromium	ug/L	20	1980		1960		1		P
Lead	ug/L	20	4770		4750		0		P
Mercury	ug/L	20	40.6		42.5		5		CV
Selenium	ug/L	20	8970		8970		0		P
Silver	ug/L	20	365		357		2		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165887BS							
Arsenic	ug/L	4000	3890		97	87 - 113	P
Barium	ug/L	1000	922		92	88 - 113	P
Cadmium	ug/L	1000	976		98	88 - 113	P
Chromium	ug/L	2000	2070		104	90 - 113	P
Lead	ug/L	5000	4870		97	86 - 113	P
Selenium	ug/L	10000	9410		94	83 - 114	P
Silver	ug/L	380	371		98	84 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Weston Solutions **SDG No.:** P5380
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5380 **SAS No.:** P5380

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165912BS Mercury	ug/L	4.0	3.76		94	82 - 119	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MOO-24-00395-96L

Lab Name: Chemtech Consulting Group **Contract:** WEST04
Lab Code: CHEM **Lb No.:** lb134129 **Lab Sample ID :** P5386-04L **SDG No.:** P5380
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Arsenic	100	U	500	U			P
Barium	170	J	2500	U	100.0		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	169		300	U	100.0		P
Mercury	1.08	J	10.0	U	100.0		CV
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.: P5380

Contract: WEST04

Lab Code: CHEM

Case No.: P5380

SAS No.: P5380

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.: P5380

Contract: WEST04

Lab Code: CHEM

Case No.: P5380

SAS No.: P5380

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.: P5380

Contract: WEST04

Lab Code: CHEM

Case No.: P5380

SAS No.: P5380

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.: P5380

Contract: WEST04

Lab Code: CHEM

Case No.: P5380

SAS No.: P5380

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.: P5380

Contract: WEST04

Lab Code: CHEM

Case No.: P5380

SAS No.: P5380

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

Contract:

WEST04

SDG No.:

P5380

Lab Code:

CHEM

Method:

Case No.:

P5380

SAS No.:

P5380

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165887							
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	SAM	WATER	12/27/2024	5.0	25.0	
P5386-04DUP	MOO-24-00395-96DUP	DUP	WATER	12/27/2024	5.0	25.0	
P5386-04MS	MOO-24-00395-96MS	MS	WATER	12/27/2024	5.0	25.0	
P5386-04MSD	MOO-24-00395-96MSD	MSD	WATER	12/27/2024	5.0	25.0	
PB165858TB	PB165858TB	MB	WATER	12/27/2024	5.0	25.0	
PB165887BL	PB165887BL	MB	WATER	12/27/2024	5.0	25.0	
PB165887BS	PB165887BS	LCS	WATER	12/27/2024	5.0	25.0	

Metals
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SAMPLE PREPARATION SUMMARY

Client:

Weston Solutions

Contract:

WEST04

Lab Code:

CHEM

SDG No.:

P5380

Method:

Case No.:

P5380

SAS No.:

P5380

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165912							
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	SAM	WATER	12/30/2024	3.0	30.0	
P5386-04DUP	MOO-24-00395-96DUP	DUP	WATER	12/30/2024	3.0	30.0	
P5386-04MS	MOO-24-00395-96MS	MS	WATER	12/30/2024	3.0	30.0	
P5386-04MSD	MOO-24-00395-96MSD	MSD	WATER	12/30/2024	3.0	30.0	
PB165858TB	PB165858TB	MB	WATER	12/30/2024	3.0	30.0	
PB165912BL	PB165912BL	MB	WATER	12/30/2024	30.0	30.0	
PB165912BS	PB165912BS	LCS	WATER	12/30/2024	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: Weston Solutions **Contract:** WEST04

Lab code: CHEM **Case no.:** P5380 **Sas no.:** P5380 **Sdg no.:** P5380

Instrument id number: **Method:** **Run number:** LB134125

Start date: 12/30/2024 **End date:** 12/30/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1356	HG
S0.2	S0.2	1	1358	HG
S2.5	S2.5	1	1401	HG
S5	S5	1	1406	HG
S7.5	S7.5	1	1416	HG
S10	S10	1	1425	HG
ICV38	ICV38	1	1428	HG
ICB38	ICB38	1	1430	HG
CCV88	CCV88	1	1432	HG
CCB88	CCB88	1	1435	HG
CRA	CRA	1	1437	HG
PB165912BL	PB165912BL	1	1444	HG
P5380-02	TAPIAL3-IDW-SOIL-122024-T	1	1451	HG
P5386-04DUP	MOO-24-00395-96DUP	1	1503	HG
CCV89	CCV89	1	1505	HG
CCB89	CCB89	1	1507	HG
P5386-04MS	MOO-24-00395-96MS	1	1509	HG
P5386-04MSD	MOO-24-00395-96MSD	1	1512	HG
PB165858TB	PB165858TB	1	1514	HG
P5386-04L	MOO-24-00395-96L	5	1516	HG
PB165912BS	PB165912BS	1	1522	HG
CCV90	CCV90	1	1524	HG
CCB90	CCB90	1	1527	HG

metals
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ANALYSIS RUN LOG

Client: Weston Solutions

Contract: WEST04

Lab code: CHEM **Case no.:** P5380 **Sas no.:** P5380

Sdg no.: P5380

Instrument id number: **Method:**

Run number: LB134129

Start date: 12/30/2024 **End date:** 12/30/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1354	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1358	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1403	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1407	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1411	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1415	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1420	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1424	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1428	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1432	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1437	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1445	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1449	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1453	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1519	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1523	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1612	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1616	Ag,As,Ba,Cd,Cr,Pb,Se
P5380-02	TAPIAL3-IDW-SOIL-122024-T	1	1633	Ag,As,Ba,Cd,Cr,Pb,Se
P5386-04DUP	MOO-24-00395-96DUP	1	1647	Ag,As,Ba,Cd,Cr,Pb,Se
P5386-04L	MOO-24-00395-96L	5	1651	Ag,As,Ba,Cd,Cr,Pb,Se
P5386-04MS	MOO-24-00395-96MS	1	1655	Ag,As,Ba,Cd,Cr,Pb,Se
P5386-04MSD	MOO-24-00395-96MSD	1	1659	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1704	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1708	Ag,As,Ba,Cd,Cr,Pb,Se
P5386-04A	MOO-24-00395-96A	1	1712	Ba
CCV05	CCV05	1	1754	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1758	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1844	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1848	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1924	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1931	Ag,As,Ba,Cd,Cr,Pb,Se

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ANALYSIS RUN LOG

Client: Weston Solutions **Contract:** WEST04

Lab code: CHEM **Case no.:** P5380 **Sas no.:** P5380 **Sdg no.:** P5380

Instrument id number: **Method:** **Run number:** lb134166

Start date: 01/06/2025 **End date:** 01/06/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1234	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1239	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1243	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1247	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1251	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1255	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1300	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1313	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1317	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1321	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1326	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1334	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1343	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1353	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1415	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1419	Ag,As,Ba,Cd,Cr,Pb,Se
PB165887BL	PB165887BL	1	1432	Ag,As,Ba,Cd,Cr,Pb,Se
PB165887BS	PB165887BS	1	1436	Ag,As,Ba,Cd,Cr,Pb,Se
PB165858TB	PB165858TB	1	1453	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1506	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1510	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1548	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1558	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1624	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1628	Ag,As,Ba,Cd,Cr,Pb,Se