

LAB CHRONICLE

OrderID:	P5236	OrderDate:	12/10/2024 12:04:00 PM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	L51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5236-01	TAPIAL3-SB03D-3-12 0724-00-T01	SOIL			12/07/24 14:15			12/10/24
			Anions Group1	9056A			12/11/24 16:33	
			pH	9045D			12/12/24 09:25	
			TOC	9060A			12/17/24 13:16	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/07/24 14:15
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/10/24
Client Sample ID:	TAPIAL3-SB03D-3-120724-00-T01	SDG No.:	P5236
Lab Sample ID:	P5236-01	Matrix:	SOIL
		% Solid:	85.2

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Bromide	23.4	U	1	0.57	23.4	46.9	mg/Kg		12/11/24 16:33	9056A
Chloride	1.50	J	1	0.11	7.00	14.1	mg/Kg		12/11/24 16:33	9056A
Fluoride	0.56	J	1	0.45	4.70	9.40	mg/Kg		12/11/24 16:33	9056A
Nitrite	7.00	U	1	0.22	7.00	14.1	mg/Kg		12/11/24 16:33	9056A
Nitrate	5.90	U	1	0.10	5.90	11.7	mg/Kg		12/11/24 16:33	9056A
Sulfate	22.8	J	1	0.71	35.1	70.3	mg/Kg		12/11/24 16:33	9056A
pH	4.96	H	1	0	0	0	pH		12/12/24 09:25	9045D
TOC	899		1	19.8	50.0	250	mg/Kg		12/17/24 13:16	9060A

Comments: pH result reported at temperature 23.3 °C

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

H = Sample Analysis Out Of Hold Time

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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Weston Solutions	SDG No.: P5236
Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169	RunNo.: LB133872

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	11/18/2024
Chloride	mg/L	3	3	100	90-110	11/18/2024
Fluoride	mg/L	2	2	100	90-110	11/18/2024
Nitrite	mg/L	3	3	100	90-110	11/18/2024
Nitrate	mg/L	2.5	2.5	100	90-110	11/18/2024
Sulfate	mg/L	14.6	15	97	90-110	11/18/2024
Orthophosphate as P	mg/L	5	5	100	90-110	11/18/2024
Sample ID: CCV1						
Bromide	mg/L	10.7	10	107	90-110	12/11/2024
Chloride	mg/L	3.2	3	107	90-110	12/11/2024
Fluoride	mg/L	2.1	2	105	90-110	12/11/2024
Nitrite	mg/L	3.2	3	107	90-110	12/11/2024
Nitrate	mg/L	2.7	2.5	108	90-110	12/11/2024
Sulfate	mg/L	15.4	15	103	90-110	12/11/2024
Orthophosphate as P	mg/L	5.3	5	106	90-110	12/11/2024
Sample ID: CCV2						
Bromide	mg/L	10.7	10	107	90-110	12/11/2024
Chloride	mg/L	3.2	3	107	90-110	12/11/2024
Fluoride	mg/L	2.1	2	105	90-110	12/11/2024
Nitrite	mg/L	3.2	3	107	90-110	12/11/2024
Nitrate	mg/L	2.7	2.5	108	90-110	12/11/2024
Sulfate	mg/L	15.3	15	102	90-110	12/11/2024
Orthophosphate as P	mg/L	5.3	5	106	90-110	12/11/2024

Initial and Continuing Calibration Verification

Client: Weston Solutions

SDG No.: P5236

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB133903

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.00	7	100	90-110	12/12/2024
Sample ID:	CCV1						
pH		pH	2.01	2.00	101	90-110	12/12/2024
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	12/12/2024

Initial and Continuing Calibration Verification

Client: Weston Solutions

SDG No.: P5236

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB133969

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
TOC		mg/L	934	1000	93	90-110	11/12/2024
Sample ID:	CCV1						
TOC		mg/L	986	1000	99	90-110	12/17/2024
Sample ID:	CCV2						
TOC		mg/L	1060	1000	106	90-110	12/17/2024

Initial and Continuing Calibration Blank Summary

Client: Weston Solutions	SDG No.: P5236
Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169	RunNo.: LB133872

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/18/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/18/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/18/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/18/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/18/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/18/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/18/2024
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	12/11/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/11/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	12/11/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/11/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	12/11/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	12/11/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	12/11/2024
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	12/11/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/11/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	12/11/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/11/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	12/11/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	12/11/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	12/11/2024

Initial and Continuing Calibration Blank Summary

Client: Weston Solutions

SDG No.: P5236

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB133969

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	11/12/2024
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	12/17/2024
Sample ID: CCB2 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	12/17/2024

Preparation Blank Summary

Client: Weston Solutions

SDG No.: P5236

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133872BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	0.49	40	12/11/2024
Chloride	mg/Kg	< 6.0000	6.0000	U	0.096	12	12/11/2024
Fluoride	mg/Kg	< 4.0000	4.0000	U	0.38	8	12/11/2024
Nitrite	mg/Kg	< 6.0000	6.0000	U	0.19	12	12/11/2024
Nitrate	mg/Kg	0.36	5.0000	J	0.089	10	12/11/2024
Sulfate	mg/Kg	< 30.0000	30.0000	U	0.61	60	12/11/2024
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	0.24	20	12/11/2024
Sample ID: LB133969BLS							
TOC	mg/Kg	28.9	125.0000	J	19.8	250	12/17/2024

Matrix Spike Summary

Client:	Weston Solutions	SDG No.:	P5236
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5236-01
Client ID:	TAPIAL3-SB03D-3-120724-00-T01MS	Percent Solids for Spike Sample:	85.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	237		0.57	U	230	1	103		12/11/2024
TOC	mg/Kg	75-125	1910		899		1000	1	101		12/17/2024
Chloride	mg/Kg	80-120	74.0		1.50	J	70.3	1	103		12/11/2024
Fluoride	mg/Kg	80-120	21.1		0.56	J	46.9	1	44	*	12/11/2024
Nitrite	mg/Kg	80-120	70.8		0.22	U	70.3	1	101		12/11/2024
Nitrate	mg/Kg	80-120	58.9		0.10	U	58.6	1	100		12/11/2024
Sulfate	mg/Kg	80-120	360		22.8	J	350	1	96		12/11/2024
Orthophosphate as P	mg/Kg	80-120	61.5		0.28	U	120	1	51	*	12/11/2024

Matrix Spike Summary

Client:	Weston Solutions	SDG No.:	P5236
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5236-01
Client ID:	TAPIAL3-SB03D-3-120724-00-T01MSD	Percent Solids for Spike Sample:	85.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	232		0.57	U	230	1	101		12/11/2024
TOC	mg/Kg	75-125	1910		899		1000	1	101		12/17/2024
Chloride	mg/Kg	80-120	72.5		1.50	J	70.3	1	101		12/11/2024
Fluoride	mg/Kg	80-120	19.6		0.56	J	46.9	1	41	*	12/11/2024
Nitrite	mg/Kg	80-120	69.8		0.22	U	70.3	1	99		12/11/2024
Nitrate	mg/Kg	80-120	57.7		0.10	U	58.6	1	98		12/11/2024
Sulfate	mg/Kg	80-120	360		22.8	J	350	1	96		12/11/2024
Orthophosphate as P	mg/Kg	80-120	54.8		0.28	U	120	1	46	*	12/11/2024

Duplicate Sample Summary

Client:	Weston Solutions	SDG No.:	P5236
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5236-01
Client ID:	TAPIAL3-SB03D-3-120724-00-T01DUP	Percent Solids for Spike Sample:	85.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
pH	pH	+/-20	4.96		4.97		1	0.2		12/12/2024

Duplicate Sample Summary

Client:	Weston Solutions	SDG No.:	P5236
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5236-01
Client ID:	TAPIAL3-SB03D-3-120724-00-T01MSD	Percent Solids for Spike Sample:	85.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Sulfate	mg/Kg	+/-15	360		360		1	0		12/11/2024
Nitrite	mg/Kg	+/-15	70.8		69.8		1	1		12/11/2024
Orthophosphate as P	mg/Kg	+/-15	61.5		54.8		1	12		12/11/2024
Bromide	mg/Kg	+/-15	237		232		1	2		12/11/2024
Chloride	mg/Kg	+/-15	74.0		72.5		1	2		12/11/2024
Nitrate	mg/Kg	+/-15	58.9		57.7		1	2		12/11/2024
Fluoride	mg/Kg	+/-15	21.1		19.6		1	7		12/11/2024
TOC	mg/Kg	+/-20	1910		1910		1	0		12/17/2024

Laboratory Control Sample Summary

Client:	Weston Solutions	SDG No.:	P5236
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Run No.:	LB133872

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133872BSS							
Bromide	mg/Kg	200	201		100	1	90-110	12/11/2024
Chloride	mg/Kg	60	59.6		99	1	90-110	12/11/2024
Fluoride	mg/Kg	40	38.9		97	1	90-110	12/11/2024
Nitrite	mg/Kg	60	60.5		101	1	90-110	12/11/2024
Nitrate	mg/Kg	50	49.7		99	1	90-110	12/11/2024
Sulfate	mg/Kg	300	289		96	1	90-110	12/11/2024
Orthophosphate as P	mg/Kg	100	99.4		99	1	90-110	12/11/2024

Laboratory Control Sample Summary

Client: Weston Solutions

SDG No.: P5236

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Run No.: LB133969

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133969BSS							
TOC	mg/Kg	1000	987		99	1	90-110	12/17/2024