

LAB CHRONICLE

OrderID:	P5365	OrderDate:	12/20/2024 10:24:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	N21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5365-01	TAPFTA-SB011I-4.5-12 1924-00-T1	SOIL			12/19/24 13:00			12/20/24
			Anions Group1	9056A			12/20/24 14:57	
			pH	9045D			12/20/24 11:55	
			TOC	9060A			01/06/25 11:56	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/19/24 13:00
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/20/24
Client Sample ID:	TAPFTA-SB01I-4.5-121924-00-T1	SDG No.:	P5365
Lab Sample ID:	P5365-01	Matrix:	SOIL
		% Solid:	90.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Bromide	22.2	U	1	0.54	22.2	44.3	mg/Kg		12/20/24 14:57	9056A
Chloride	9.10	J	1	0.11	6.60	13.3	mg/Kg		12/20/24 14:57	9056A
Fluoride	5.10	J	1	0.42	4.40	8.90	mg/Kg		12/20/24 14:57	9056A
Nitrite	6.60	U	1	0.21	6.60	13.3	mg/Kg		12/20/24 14:57	9056A
Nitrate	5.50	U	1	0.099	5.50	11.1	mg/Kg		12/20/24 14:57	9056A
Sulfate	32.3	J	1	0.68	33.2	66.5	mg/Kg		12/20/24 14:57	9056A
pH	6.89	H	1	0	0	0	pH		12/20/24 11:55	9045D
TOC	1010		1	19.8	50.0	250	mg/Kg		01/06/25 11:56	9060A

Comments: pH result reported at temperature 23.6 °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.: P5365

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134040

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.01	7	100	90-110	12/20/2024
Sample ID:	CCV1						
pH		pH	2.02	2.00	101	90-110	12/20/2024
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	12/20/2024

Initial and Continuing Calibration Verification

Client: Weston Solutions

SDG No.: P5365

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134042

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	12/18/2024
Chloride	mg/L	3.1	3	103	90-110	12/18/2024
Fluoride	mg/L	2	2	100	90-110	12/18/2024
Nitrite	mg/L	3.1	3	103	90-110	12/18/2024
Nitrate	mg/L	2.6	2.5	104	90-110	12/18/2024
Sulfate	mg/L	15.3	15	102	90-110	12/18/2024
Orthophosphate as P	mg/L	5.1	5	102	90-110	12/18/2024
Sample ID: CCV1						
Bromide	mg/L	10.5	10	105	90-110	12/20/2024
Chloride	mg/L	3.1	3	103	90-110	12/20/2024
Fluoride	mg/L	2.1	2	105	90-110	12/20/2024
Nitrite	mg/L	3.1	3	103	90-110	12/20/2024
Nitrate	mg/L	2.6	2.5	104	90-110	12/20/2024
Sulfate	mg/L	15.6	15	104	90-110	12/20/2024
Orthophosphate as P	mg/L	5.4	5	108	90-110	12/20/2024
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	12/20/2024
Chloride	mg/L	3.2	3	107	90-110	12/20/2024
Fluoride	mg/L	2.1	2	105	90-110	12/20/2024
Nitrite	mg/L	3.2	3	107	90-110	12/20/2024
Nitrate	mg/L	2.6	2.5	104	90-110	12/20/2024
Sulfate	mg/L	15.8	15	105	90-110	12/20/2024
Orthophosphate as P	mg/L	5.4	5	108	90-110	12/20/2024

Initial and Continuing Calibration Verification

Client: Weston Solutions

SDG No.: P5365

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134163

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	CCV1						
TOC		mg/L	1100	1000	110	90-110	01/06/2025
Sample ID:	CCV2						
TOC		mg/L	1080	1000	108	90-110	01/06/2025
Sample ID:	ICV1						
TOC		mg/L	934	1000	93	90-110	11/12/2024

Initial and Continuing Calibration Blank Summary

Client: Weston Solutions

SDG No.: P5365

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134042

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	12/18/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/18/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	12/18/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/18/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	12/18/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	12/18/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	12/18/2024
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	12/20/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/20/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	12/20/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/20/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	12/20/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	12/20/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	12/20/2024
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	12/20/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/20/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	12/20/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/20/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	12/20/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	12/20/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	12/20/2024

Initial and Continuing Calibration Blank Summary

Client: Weston Solutions

SDG No.: P5365

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134163

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	01/06/2025
Sample ID: CCB2 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	01/06/2025
Sample ID: ICB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	11/12/2024

Preparation Blank Summary

Client: Weston Solutions

SDG No.: P5365

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134042BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	0.49	40	12/20/2024
Chloride	mg/Kg	< 6.0000	6.0000	U	0.096	12	12/20/2024
Fluoride	mg/Kg	< 4.0000	4.0000	U	0.38	8	12/20/2024
Nitrite	mg/Kg	< 6.0000	6.0000	U	0.19	12	12/20/2024
Nitrate	mg/Kg	< 5.0000	5.0000	U	0.089	10	12/20/2024
Sulfate	mg/Kg	< 30.0000	30.0000	U	0.61	60	12/20/2024
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	0.24	20	12/20/2024
Sample ID: LB134163BLS							
TOC	mg/Kg	< 125.0000	125.0000	U	19.8	250	01/06/2025

Matrix Spike Summary

Client:	Weston Solutions	SDG No.:	P5365
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5365-01
Client ID:	TAPFTA-SB01I-4.5-121924-00-T1MS	Percent Solids for Spike Sample:	90.1

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	233		0.54	U	220	1	106		12/20/2024
TOC	mg/Kg	75-125	2320		1010		1000	1	131	*	01/06/2025
Chloride	mg/Kg	80-120	76.8		9.10	J	66.3	1	102		12/20/2024
Fluoride	mg/Kg	80-120	43.3		5.10	J	44.2	1	86		12/20/2024
Nitrite	mg/Kg	80-120	69.8		0.21	U	66.3	1	105		12/20/2024
Nitrate	mg/Kg	80-120	58.4		0.099	U	55.3	1	106		12/20/2024
Sulfate	mg/Kg	80-120	355		32.3	J	330	1	98		12/20/2024
Orthophosphate as P	mg/Kg	80-120	90.0		0.27	U	110	1	82		12/20/2024

Matrix Spike Summary

Client:	Weston Solutions	SDG No.:	P5365
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5365-01
Client ID:	TAPFTA-SB01I-4.5-121924-00-T1MSD	Percent Solids for Spike Sample:	90.1

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	233		0.54	U	220	1	106		12/20/2024
TOC	mg/Kg	75-125	1950		1010		1000	1	94		01/06/2025
Chloride	mg/Kg	80-120	76.7		9.10	J	66.3	1	102		12/20/2024
Fluoride	mg/Kg	80-120	43.3		5.10	J	44.2	1	86		12/20/2024
Nitrite	mg/Kg	80-120	69.9		0.21	U	66.3	1	105		12/20/2024
Nitrate	mg/Kg	80-120	58.5		0.099	U	55.3	1	106		12/20/2024
Sulfate	mg/Kg	80-120	356		32.3	J	330	1	98		12/20/2024
Orthophosphate as P	mg/Kg	80-120	89.9		0.27	U	110	1	82		12/20/2024

Duplicate Sample Summary

Client:	Weston Solutions	SDG No.:	P5365
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5365-01
Client ID:	TAPFTA-SB01I-4-.5-121924-00-T1DUP	Percent Solids for Spike Sample:	90.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	6.89		6.90		1	0.15		12/20/2024

Duplicate Sample Summary

Client:	Weston Solutions	SDG No.:	P5365
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5365-01
Client ID:	TAPFTA-SB01I-4.5-121924-00-T1MSD	Percent Solids for Spike Sample:	90.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	233		233		1	0		12/20/2024
Chloride	mg/Kg	+/-15	76.8		76.7		1	0		12/20/2024
Fluoride	mg/Kg	+/-15	43.3		43.3		1	0		12/20/2024
Nitrate	mg/Kg	+/-15	58.4		58.5		1	0		12/20/2024
Nitrite	mg/Kg	+/-15	69.8		69.9		1	0		12/20/2024
Orthophosphate as P	mg/Kg	+/-15	90.0		89.9		1	0		12/20/2024
Sulfate	mg/Kg	+/-15	355		356		1	0		12/20/2024
TOC	mg/Kg	+/-20	2320		1950		1	17		01/06/2025

Laboratory Control Sample Summary

Client:	Weston Solutions	SDG No.:	P5365
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Run No.:	LB134042

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134042BSS							
Bromide	mg/Kg	200	211		106	1	90-110	12/20/2024
Chloride	mg/Kg	60	62.9		105	1	90-110	12/20/2024
Fluoride	mg/Kg	40	42.6		106	1	90-110	12/20/2024
Nitrite	mg/Kg	60	62.9		105	1	90-110	12/20/2024
Nitrate	mg/Kg	50	52.6		105	1	90-110	12/20/2024
Sulfate	mg/Kg	300	314		105	1	90-110	12/20/2024
Orthophosphate as P	mg/Kg	100	109		109	1	90-110	12/20/2024

Laboratory Control Sample Summary

Client:	Weston Solutions	SDG No.:	P5365
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Run No.:	LB134163

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134163BSS							
TOC	mg/Kg	1000	1020		102	1	90-110	01/06/2025