

LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1295-01	TAPFTA-SB01D-02042 5-00-T1	SOIL			02/04/25 09:25			02/05/25
			Anions Group1	9056A			02/05/25 15:53	
			pH	9045D			02/06/25 08:55	
			TOC	9060A			02/10/25 11:29	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Weston Solutions	Date Collected:	02/04/25 09:25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	02/05/25
Client Sample ID:	TAPFTA-SB01D-020425-00-T1	SDG No.:	Q1295
Lab Sample ID:	Q1295-01	Matrix:	SOIL
		% Solid:	90.9

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Bromide	22.0	U	1	0.54	22.0	44.0	mg/Kg		02/05/25 15:53	9056A
Chloride	3.90	J	1	0.11	6.60	13.2	mg/Kg		02/05/25 15:53	9056A
Fluoride	2.40	J	1	0.42	4.40	8.80	mg/Kg		02/05/25 15:53	9056A
Nitrite	6.60	U	1	0.21	6.60	13.2	mg/Kg		02/05/25 15:53	9056A
Nitrate	5.50	U	1	0.098	5.50	11.0	mg/Kg		02/05/25 15:53	9056A
Sulfate	11.2	J	1	0.67	33.0	66.0	mg/Kg		02/05/25 15:53	9056A
pH	6.74	H	1	0	0	0	pH		02/06/25 08:55	9045D
TOC	3990		1	19.8	50.0	250	mg/Kg		02/10/25 11:29	9060A

Comments: pH result reported at temperature 20.9 °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.: Q1295

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134597

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.00	7	100	90-110	02/06/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	02/06/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	02/06/2025

Initial and Continuing Calibration Verification

Client: Weston Solutions

SDG No.: Q1295

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134598

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	01/20/2025
Chloride	mg/L	3.1	3	103	90-110	01/20/2025
Fluoride	mg/L	2.1	2	105	90-110	01/20/2025
Nitrite	mg/L	3.1	3	103	90-110	01/20/2025
Nitrate	mg/L	2.6	2.5	104	90-110	01/20/2025
Sulfate	mg/L	15.4	15	103	90-110	01/20/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	01/20/2025
Sample ID: CCV1						
Bromide	mg/L	10.3	10	103	90-110	02/05/2025
Chloride	mg/L	3.1	3	103	90-110	02/05/2025
Fluoride	mg/L	2.1	2	105	90-110	02/05/2025
Nitrite	mg/L	3.1	3	103	90-110	02/05/2025
Nitrate	mg/L	2.6	2.5	104	90-110	02/05/2025
Sulfate	mg/L	15.2	15	101	90-110	02/05/2025
Orthophosphate as P	mg/L	5	5	100	90-110	02/05/2025
Sample ID: CCV2						
Bromide	mg/L	10.3	10	103	90-110	02/05/2025
Chloride	mg/L	3.1	3	103	90-110	02/05/2025
Fluoride	mg/L	2	2	100	90-110	02/05/2025
Nitrite	mg/L	3.1	3	103	90-110	02/05/2025
Nitrate	mg/L	2.6	2.5	104	90-110	02/05/2025
Sulfate	mg/L	15.2	15	101	90-110	02/05/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	02/05/2025

Initial and Continuing Calibration Verification

Client: Weston Solutions

SDG No.: Q1295

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134653

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	CCV1						
TOC		mg/L	971	1000	97	90-110	02/10/2025
Sample ID:	CCV2						
TOC		mg/L	1030	1000	103	90-110	02/10/2025
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.: Q1295

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134598

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	01/20/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/20/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	01/20/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/20/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	01/20/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	01/20/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	01/20/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/05/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/05/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/05/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/05/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/05/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/05/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/05/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/05/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/05/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/05/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/05/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/05/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/05/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/05/2025

Initial and Continuing Calibration Blank Summary

Client: Weston Solutions

SDG No.: Q1295

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB134653

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	02/10/2025
Sample ID: CCB2 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	02/10/2025
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.: Q1295

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134598BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	0.49	40	02/05/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	0.096	12	02/05/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	0.38	8	02/05/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	0.19	12	02/05/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	0.089	10	02/05/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	0.61	60	02/05/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	0.24	20	02/05/2025
Sample ID: LB134653BLS							
TOC	mg/Kg	< 125.0000	125.0000	U	19.8	250	02/10/2025

Matrix Spike Summary

Client:	Weston Solutions	SDG No.:	Q1295
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	Q1295-01
Client ID:	TAPFTA-SB01D-020425-00-T1MS	Percent Solids for Spike Sample:	90.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	4860		3990		1000	1	87		02/10/2025
Bromide	mg/Kg	80-120	219		0.54	U	220	1	100		02/05/2025
Chloride	mg/Kg	80-120	68.3		3.90	J	65.9	1	98		02/05/2025
Fluoride	mg/Kg	80-120	40.1		2.40	J	43.9	1	86		02/05/2025
Nitrite	mg/Kg	80-120	65.5		0.21	U	65.9	1	99		02/05/2025
Nitrate	mg/Kg	80-120	54.7		0.098	U	54.9	1	100		02/05/2025
Sulfate	mg/Kg	80-120	327		11.2	J	330	1	96		02/05/2025
Orthophosphate as P	mg/Kg	80-120	81.7		0.26	U	110	1	74	*	02/05/2025

Matrix Spike Summary

Client:	Weston Solutions	SDG No.:	Q1295
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	Q1295-01
Client ID:	TAPFTA-SB01D-020425-00-T1MSD	Percent Solids for Spike Sample:	90.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	4850		3990		1000	1	86		02/10/2025
Bromide	mg/Kg	80-120	218		0.54	U	220	1	99		02/05/2025
Chloride	mg/Kg	80-120	70.3		3.90	J	65.9	1	101		02/05/2025
Fluoride	mg/Kg	80-120	40.1		2.40	J	43.9	1	86		02/05/2025
Nitrite	mg/Kg	80-120	65.6		0.21	U	65.9	1	100		02/05/2025
Nitrate	mg/Kg	80-120	54.7		0.098	U	54.9	1	100		02/05/2025
Sulfate	mg/Kg	80-120	325		11.2	J	330	1	95		02/05/2025
Orthophosphate as P	mg/Kg	80-120	81.2		0.26	U	110	1	74	*	02/05/2025

Duplicate Sample Summary

Client:	Weston Solutions	SDG No.:	Q1295
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	Q1295-01
Client ID:	TAPFTA-SB01D-020425-00-T1DUP	Percent Solids for Spike Sample:	90.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	6.74		6.75		1	0.15		02/06/2025

Duplicate Sample Summary

Client: Weston Solutions	SDG No.: Q1295
Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID: Q1295-01
Client ID: TAPFTA-SB01D-020425-00-T1MSD	Percent Solids for Spike Sample: 90.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	219		218		1	0		02/05/2025
Fluoride	mg/Kg	+/-15	40.1		40.1		1	0		02/05/2025
Nitrate	mg/Kg	+/-15	54.7		54.7		1	0		02/05/2025
Nitrite	mg/Kg	+/-15	65.5		65.6		1	0		02/05/2025
Orthophosphate as P	mg/Kg	+/-15	81.7		81.2		1	1		02/05/2025
Sulfate	mg/Kg	+/-15	327		325		1	1		02/05/2025
Chloride	mg/Kg	+/-15	68.3		70.3		1	3		02/05/2025
TOC	mg/Kg	+/-20	4860		4850		1	0		02/10/2025

Laboratory Control Sample Summary

Client:	Weston Solutions	SDG No.:	Q1295
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Run No.:	LB134598

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134598BSS							
Bromide	mg/Kg	200	206		103	1	90-110	02/05/2025
Chloride	mg/Kg	60	61.6		103	1	90-110	02/05/2025
Fluoride	mg/Kg	40	40.8		102	1	90-110	02/05/2025
Nitrite	mg/Kg	60	61.4		102	1	90-110	02/05/2025
Nitrate	mg/Kg	50	51.4		103	1	90-110	02/05/2025
Sulfate	mg/Kg	300	305		102	1	90-110	02/05/2025
Orthophosphate as P	mg/Kg	100	101		101	1	90-110	02/05/2025

Laboratory Control Sample Summary

Client: Weston Solutions

SDG No.: Q1295

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Run No.: LB134653

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134653BSS							
TOC	mg/Kg	1000	1010		101	1	90-110	02/10/2025