

## LAB CHRONICLE

<b>OrderID:</b>	P4605	<b>OrderDate:</b>	10/29/2024 11:02:00 AM
<b>Client:</b>	Weston Solutions	<b>Project:</b>	Ft Meade Tipton Airfield Parcel RI - PO 0111169
<b>Contact:</b>	Nathan Fretz	<b>Location:</b>	K63

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4605-01	TAPIAL2-SED02-1028 24-00-T2	SOIL	pH	9045D	10/28/24 09:35		10/29/24 16:30	10/29/24
			TOC	Lloyd Kahn			10/30/24 11:40	
P4605-02	TAPIAL2-SED01-1028 24-00-T2	SOIL	pH	9045D	10/28/24 09:50		10/29/24 16:35	10/29/24
			TOC	Lloyd Kahn			10/30/24 11:54	
P4605-03	TAPIAL3-SED01-1028 24-00-T2	SOIL	pH	9045D	10/28/24 10:30		10/29/24 16:40	10/29/24
			TOC	Lloyd Kahn			10/30/24 12:50	
P4605-04	TAPHHA-SED01-1028 24-00-T2	SOIL	pH	9045D	10/28/24 10:45		10/29/24 16:45	10/29/24
			TOC	Lloyd Kahn			10/30/24 13:02	
P4605-05	TAPHHA-SED02-1028 24-00-T2	SOIL	pH	9045D	10/28/24 11:10		10/29/24 16:50	10/29/24

LAB CHRONICLE

P4605-06	TAPLPR-SED11-10282 4-00-T2	SOIL	TOC	Lloyd Kahn		10/30/24 13:40	
					10/28/24 14:40		10/29/24
			pH	9045D		10/29/24 17:00	
			TOC	Lloyd Kahn		10/30/24 14:03	



# SAMPLE DATA

A

B

C

D

## Report of Analysis

Client:	Weston Solutions	Date Collected:	10/28/24 09:35
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	10/29/24
Client Sample ID:	TAPIAL2-SED02-102824-00-T2	SDG No.:	P4605
Lab Sample ID:	P4605-01	Matrix:	SOIL
		% Solid:	92

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	5.11	H	1	0	0	0	pH		10/29/24 16:30	9045D
TOC	1980		1	8.00	50.0	250	mg/Kg		10/30/24 11:40	Lloyd Kahn

Comments: pH result reported at temperature 23.4 °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

## Report of Analysis

Client:	Weston Solutions	Date Collected:	10/28/24 09:50
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	10/29/24
Client Sample ID:	TAPIAL2-SED01-102824-00-T2	SDG No.:	P4605
Lab Sample ID:	P4605-02	Matrix:	SOIL
		% Solid:	85.8

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	4.89	H	1	0	0	0	pH		10/29/24 16:35	9045D
TOC	5490		1	8.00	50.0	250	mg/Kg		10/30/24 11:54	Lloyd Kahn

Comments: pH result reported at temperature 23.3 °C

U = Not Detected

LOQ = Limit of Quantitation

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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## Report of Analysis

Client:	Weston Solutions	Date Collected:	10/28/24 10:30
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	10/29/24
Client Sample ID:	TAPIAL3-SED01-102824-00-T2	SDG No.:	P4605
Lab Sample ID:	P4605-03	Matrix:	SOIL
		% Solid:	89.2

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	7.07	H	1	0	0	0	pH		10/29/24 16:40	9045D
TOC	8320		1	8.00	50.0	250	mg/Kg		10/30/24 12:50	Lloyd Kahn

Comments: pH result reported at temperature 24.5 °C

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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## Report of Analysis

Client:	Weston Solutions	Date Collected:	10/28/24 10:45
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	10/29/24
Client Sample ID:	TAPHHA-SED01-102824-00-T2	SDG No.:	P4605
Lab Sample ID:	P4605-04	Matrix:	SOIL
		% Solid:	85.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	6.35	H	1	0	0	0	pH		10/29/24 16:45	9045D
TOC	4730		1	8.00	50.0	250	mg/Kg		10/30/24 13:02	Lloyd Kahn

Comments: pH result reported at temperature 22.3 °C

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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## Report of Analysis

Client:	Weston Solutions	Date Collected:	10/28/24 11:10
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	10/29/24
Client Sample ID:	TAPHHA-SED02-102824-00-T2	SDG No.:	P4605
Lab Sample ID:	P4605-05	Matrix:	SOIL
		% Solid:	54.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	6.16	H	1	0	0	0	pH		10/29/24 16:50	9045D
TOC	21200	OR	1	8.00	50.0	250	mg/Kg		10/30/24 13:40	Lloyd Kahn

Comments: pH result reported at temperature 20.5 °C

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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N =Spiked sample recovery not within control limits



## Report of Analysis

Client:	Weston Solutions	Date Collected:	10/28/24 14:40
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	10/29/24
Client Sample ID:	TAPLPR-SED11-102824-00-T2	SDG No.:	P4605
Lab Sample ID:	P4605-06	Matrix:	SOIL
		% Solid:	77.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	6.43	H	1	0	0	0	pH		10/29/24 17:00	9045D
TOC	2070		1	8.00	50.0	250	mg/Kg		10/30/24 14:03	Lloyd Kahn

Comments: pH result reported at temperature 23.2 °C

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

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N =Spiked sample recovery not within control limits

# QC RESULT SUMMARY

## Initial and Continuing Calibration Verification

**Client:** Weston Solutions

**SDG No.:** P4605

**Project:** Ft Meade Tipton Airfield Parcel RI - PO 0111169

**RunNo.:** LB133195

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: <b>ICV</b> pH	pH	7.00	7	100	90-110	10/29/2024
Sample ID: <b>CCV1</b> pH	pH	2.02	2.00	101	90-110	10/29/2024
Sample ID: <b>CCV2</b> pH	pH	12.02	12.00	100	90-110	10/29/2024

## Initial and Continuing Calibration Verification

**Client:** Weston Solutions

**SDG No.:** P4605

**Project:** Ft Meade Tipton Airfield Parcel RI - PO 0111169

**RunNo.:** LB133199

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	<b>ICV1</b>						
TOC		mg/L	1010	1000	101	90-110	08/07/2024
Sample ID:	<b>CCV1</b>						
TOC		mg/L	1000	1000	100	90-110	10/30/2024
Sample ID:	<b>CCV2</b>						
TOC		mg/L	1020	1000	102	90-110	10/30/2024
Sample ID:	<b>CCV3</b>						
TOC		mg/L	1060	1000	106	90-110	10/30/2024

### Initial and Continuing Calibration Blank Summary

<b>Client:</b> Weston Solutions	<b>SDG No.:</b> P4605
<b>Project:</b> Ft Meade Tipton Airfield Parcel RI - PO 0111169	<b>RunNo.:</b> LB133199

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: <b>ICB1</b> TOC	mg/L	< 125.0000	125.0000	U	32.1	250	08/07/2024
Sample ID: <b>CCB1</b> TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/30/2024
Sample ID: <b>CCB2</b> TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/30/2024
Sample ID: <b>CCB3</b> TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/30/2024

### Preparation Blank Summary

**Client:** Weston Solutions

**SDG No.:** P4605

**Project:** Ft Meade Tipton Airfield Parcel RI - PO 0111169

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	<b>LB133199BLS</b>						
TOC	mg/Kg	18.4	125.0000	J	8	250	10/30/2024

Matrix Spike Summary

Client:

Weston Solutions

SDG No.:

P4605

Project:

Ft Meade Tipton Airfield Parcel RI - PO 0111169

Sample ID:

P4605-02

Client ID:

TAPIAL2-SED01-102824-00-T2MS

Percent Solids for Spike Sample:

85.8

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	6270		5490		1000	1	78		10/30/2024

### Matrix Spike Summary

**Client:** Weston Solutions **SDG No.:** P4605  
**Project:** Ft Meade Tipton Airfield Parcel RI - PO 0111169 **Sample ID:** P4605-02  
**Client ID:** TAPIAL2-SED01-102824-00-T2MSD **Percent Solids for Spike Sample:** 85.8

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	6440		5490		1000	1	95		10/30/2024



## Duplicate Sample Summary

<b>Client:</b>	Weston Solutions	<b>SDG No.:</b>	P4605
<b>Project:</b>	Ft Meade Tipton Airfield Parcel RI - PO 0111169	<b>Sample ID:</b>	P4605-02
<b>Client ID:</b>	TAPIAL2-SED01-102824-00-T2MSD	<b>Percent Solids for Spike Sample:</b>	85.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	6270		6440		1	3		10/30/2024

## Duplicate Sample Summary

<b>Client:</b>	Weston Solutions	<b>SDG No.:</b>	P4605
<b>Project:</b>	Ft Meade Tipton Airfield Parcel RI - PO 0111169	<b>Sample ID:</b>	P4617-03
<b>Client ID:</b>	CONCRETE-PILEDUP	<b>Percent Solids for Spike Sample:</b>	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	9.35		9.36		1	0.11		10/29/2024

### Laboratory Control Sample Summary

**Client:** Weston Solutions

**SDG No.:** P4605

**Project:** Ft Meade Tipton Airfield Parcel RI - PO 0111169

**Run No.:** LB133199

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133199BSS							
TOC	mg/Kg	1000	1010		101	1	90-110	10/30/2024