

LAB CHRONICLE

OrderID:	P5117	OrderDate:	12/5/2024 10:55:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5117-01	TAPIAL3-SB04I-10-12 0324-00-T1	SOIL			12/03/24 14:00			12/05/24
			pH	9045D			12/06/24 09:30	
			TOC	9060A			12/06/24 15:34	
P5117-02	TAPIAL2-IDW-SOIL-1 20424-00-T2	SOIL			12/04/24 13:00			12/05/24
			Sulfide	9034		12/11/24	12/11/24 14:41	
			Cyanide	9012B		12/07/24	12/09/24 12:54	
			Ignitability	1030			12/07/24 08:30	
			pH	9045D			12/06/24 09:35	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/03/24 14:00
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/05/24
Client Sample ID:	TAPIAL3-SB04I-10-120324-00-T1	SDG No.:	P5117
Lab Sample ID:	P5117-01	Matrix:	SOIL
		% Solid:	95.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	7.21	H	1	0	0	0	pH		12/06/24 09:30	9045D
TOC	401		1	19.8	50.0	250	mg/Kg		12/06/24 15:34	9060A

Comments: pH result reported at temperature 20.8 °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:	12/04/24 13:00
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/05/24
Client Sample ID:	TAPIAL2-IDW-SOIL-120424-00-T2	SDG No.:	P5117
Lab Sample ID:	P5117-02	Matrix:	SOIL
		% Solid:	79.8

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.25	U	1	0.055	0.25	0.31	mg/Kg	12/07/24 10:00	12/09/24 12:54	9012B
Ignitability	NO		1	0	0	0	oC		12/07/24 08:30	1030
pH	6.41	H	1	0	0	0	pH		12/06/24 09:35	9045D
Sulfide	4.00	J	1	2.33	6.25	12.5	mg/Kg	12/11/24 10:10	12/11/24 14:41	9034

Comments: pH result reported at temperature 20.1 °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.:	P5117
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	RunNo.:	LB133776

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.00	7	100	90-110	12/06/2024
Sample ID:	CCV1						
pH		pH	2.02	2.00	101	90-110	12/06/2024
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	12/06/2024

Initial and Continuing Calibration Verification

Client: Weston Solutions

SDG No.: P5117

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB133779

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: TOC	ICV1	mg/L	934	1000	93	90-110	11/12/2024
Sample ID: TOC	CCV1	mg/L	937	1000	94	90-110	12/06/2024
Sample ID: TOC	CCV2	mg/L	999	1000	100	90-110	12/06/2024

Initial and Continuing Calibration Verification

Client: Weston Solutions

SDG No.: P5117

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB133847

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.1	0.099	101	90-110	12/09/2024
Sample ID: CCV1 Cyanide	mg/L	0.26	0.25	104	90-110	12/09/2024
Sample ID: CCV2 Cyanide	mg/L	0.25	0.25	100	90-110	12/09/2024
Sample ID: CCV3 Cyanide	mg/L	0.27	0.25	108	90-110	12/09/2024

Initial and Continuing Calibration Blank Summary

Client: Weston Solutions

SDG No.: P5117

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB133779

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	12/06/2024
Sample ID: CCB2 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	12/06/2024

Initial and Continuing Calibration Blank Summary

Client: Weston Solutions

SDG No.: P5117

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

RunNo.: LB133847

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	12/09/2024
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	12/09/2024
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	12/09/2024
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	12/09/2024

Preparation Blank Summary

Client: Weston Solutions	SDG No.: P5117
Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169	

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: TOC	LB133779BLS mg/Kg	< 125.0000	125.0000	U	19.8	250	12/06/2024
Sample ID: Cyanide	PB165499BL mg/Kg	< 0.1200	0.1200	U	0.042	0.24	12/09/2024
Sample ID: Sulfide	PB165570BL mg/Kg	< 5.0000	5.0000	U	1.86	10.0	12/11/2024

Matrix Spike Summary

Client:	Weston Solutions	SDG No.:	P5117
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5022-01
Client ID:	TAPIAL2-SB02D-13-112424-00-T1MS	Percent Solids for Spike Sample:	92.9

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	2560		1670		1000	1	89		12/06/2024

Matrix Spike Summary

Client:	Weston Solutions	SDG No.:	P5117
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5022-01
Client ID:	TAPIAL2-SB02D-13-112424-00-T1MSD	Percent Solids for Spike Sample:	92.9

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	2550		1670		1000	1	88		12/06/2024

Matrix Spike Summary

Client: Weston Solutions **SDG No.:** P5117
Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169 **Sample ID:** P5117-02
Client ID: TAPIAL2-IDW-SOIL-120424-00-T2MS **Percent Solids for Spike Sample:** 79.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.20		0.055	U	2.5	1	88		12/09/2024
Sulfide	mg/Kg	75-125	256		4.00	J	313	1	80		12/11/2024

Matrix Spike Summary

Client: Weston Solutions **SDG No.:** P5117
Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169 **Sample ID:** P5117-02
Client ID: TAPIAL2-IDW-SOIL-120424-00-T2MSD **Percent Solids for Spike Sample:** 79.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.20		0.055	U	2.5	1	88		12/09/2024
Sulfide	mg/Kg	75-125	254		4.00	J	313	1	80		12/11/2024

Duplicate Sample Summary

Client:	Weston Solutions	SDG No.:	P5117
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5022-01
Client ID:	TAPIAL2-SB02D-13-112424-00-T1MSD	Percent Solids for Spike Sample:	92.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	2560		2550		1	0		12/06/2024



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Duplicate Sample Summary

Client:

Weston Solutions

Project:

Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client ID:

10TH-ST-SOILDUP

SDG No.:

P5117

Sample ID:

P5112-02

Percent Solids for Spike Sample:

100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		12/07/2024

Duplicate Sample Summary

Client:	Weston Solutions	SDG No.:	P5117
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5117-01
Client ID:	TAPIAL3-SB04I-10-120324-00-T1DUP	Percent Solids for Spike Sample:	95.7

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
pH	pH	+/-20	7.21		7.22		1	0.14		12/06/2024

Duplicate Sample Summary

Client:	Weston Solutions	SDG No.:	P5117
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5117-02
Client ID:	TAPIAL2-IDW-SOIL-120424-00-T2DUP	Percent Solids for Spike Sample:	79.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.055	U	0.053	U	1	0		12/09/2024
Sulfide	mg/Kg	+/-20	4.00	J	4.00	J	1	0		12/11/2024

Duplicate Sample Summary

Client:	Weston Solutions	SDG No.:	P5117
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Sample ID:	P5117-02
Client ID:	TAPIAL2-IDW-SOIL-120424-00-T2MSD	Percent Solids for Spike Sample:	79.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.20		2.20		1	0		12/09/2024
Sulfide	mg/Kg	+/-20	256		254		1	0.78		12/11/2024

Laboratory Control Sample Summary

Client: Weston Solutions

SDG No.: P5117

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Run No.: LB133779

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133779BSS							
TOC	mg/Kg	1000	962		96	1	90-110	12/06/2024

Laboratory Control Sample Summary

Client:	Weston Solutions	SDG No.:	P5117
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Run No.:	LB133847

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB165499BS							
Cyanide	mg/Kg	5	5.00		100	1	85-115	12/09/2024

Laboratory Control Sample Summary

Client:	Weston Solutions	SDG No.:	P5117
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Run No.:	LB133898

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB165570BS							
Sulfide	mg/Kg	250	213		85	1	80-120	12/11/2024