

## **ANALYTICAL RESULTS SUMMARY**

VOLATILE ORGANICS  
GENERAL CHEMISTRY  
METALS  
GC SEMI-VOLATILES  
SEMI-VOLATILE ORGANICS

**PROJECT NAME : FORT MEADE MD TIPTON AIRFIELD PARCEL RI - 0111169**

### **WESTON SOLUTIONS**

**1400 Weston Way**

**PO Box 2653**

**West Chester, PA - 19380**

**Phone No: 610-701-7400**

**ORDER ID : Q1569**

**ATTENTION : Nathan Fretz**



**Laboratory Certification ID # 20012**



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## Cover Page

**Order ID :** Q1569

**Project ID :** Fort Meade MD Tipton Airfield Parcel RI - 0111169

**Client :** Weston Solutions

**Lab Sample Number**

Q1569-01  
Q1569-02  
Q1569-04  
Q1569-05

**Client Sample Number**

TAP-IDW-SOIL-031325-01  
TAP-IDW-SOIL-031325-01  
TAP-IDW-SOIL-031325-02  
TAP-IDW-SOIL-031325-02

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : \_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 3:33 pm, Mar 27, 2025*

Date: 3/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

### **Weston Solutions**

**Project Name: Fort Meade MD Tipton Airfield Parcel RI - 0111169**

**Project # N/A**

**Chemtech Project # Q1569**

**Test Name: TCLP VOA**

### **A. Number of Samples and Date of Receipt:**

4 Solid samples were received on 03/14/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP VOA.

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

### **E. Additional Comments:**

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

#### **F. Calculation:**

Water Calculation in ug/L

$$\frac{(A_x)(I_s)(Df)}{(A_{is})(RRF)(V_0)}$$

Where,

A<sub>x</sub> = Area for the compound to be measured

A<sub>is</sub> = Area for the specific internal standard

I<sub>s</sub> = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the initial calibration curve standard.

V<sub>0</sub> = Volume of water purged in milliliters (mL)

Df = Dilution factor.

#### **G. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 3:33 pm, Mar 27, 2025*

## **CASE NARRATIVE**

### **Weston Solutions**

**Project Name: Fort Meade MD Tipton Airfield Parcel RI - 0111169**

**Project # N/A**

**Chemtech Project # Q1569**

**Test Name: TCLP BNA**

### **A. Number of Samples and Date of Receipt:**

4 Solid samples were received on 03/14/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP BNA.

### **C. Analytical Techniques:**

The samples were analyzed on instrument BNA\_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

### E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

Concentration of Water Sample:

Concentration ug/L = (Ax) (Is) (Vt) (DF) (GPC)

(Ais) (RRF) (Vo) (Vi)

Where,

Ax = Area of the characteristic ion for the compound to be measured.

Ais = Area of the characteristic ion for the internal standard.

Is = Amount of internal standard injected in ng.

Vo = Volume of water extracted in mL.

Vi = Volume of extract injected in uL.

Vt = Volume of the concentrated extract in uL

RRF = Mean Relative Response Factor determined from the initial calibration standard.

GPC =  $\frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

### F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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By Nimisha Pandya, QA/QC Supervisor at 3:33 pm, Mar 27, 2025

## **CASE NARRATIVE**

### **Weston Solutions**

**Project Name: Fort Meade MD Tipton Airfield Parcel RI - 0111169**

**Project # N/A**

**Chemtech Project # Q1569**

**Test Name: TCLP Pesticide**

### **A. Number of Samples and Date of Receipt:**

4 Solid samples were received on 03/14/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP Pesticide.

### **C. Analytical Techniques:**

The analysis was performed on instrument ECD\_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

### **E. Additional Comments:**

The not QT review data is reported in the Miscellaneous.

### **F. Calculation for Concentration in Water Samples:**

$$\text{Concentration ug/L} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vo) (Vi)}$$



Where,

Ax = Response (peak area or height) of the compound to be measured.

CF = Mean Calibration Factor from the initial calibration (area/ng).

Vo = Volume of water extracted in mL.

Vi = Volume of extract injected in uL.

Vt = Volume of the concentrated extract in uL

GPC =  $\frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup.

DF = Dilution Factor.

#### **G. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 3:34 pm, Mar 27, 2025*

## **CASE NARRATIVE**

### **Weston Solutions**

**Project Name: Fort Meade MD Tipton Airfield Parcel RI - 0111169**

**Project # N/A**

**Chemtech Project # Q1569**

**Test Name: PCB**

### **A. Number of Samples and Date of Receipt:**

4 Solid samples were received on 03/14/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for PCB.

### **C. Analytical Techniques:**

The analyses were performed on instrument GCECD\_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for C0018MS [Decachlorobiphenyl(2) - 170%], C0018MSD [Decachlorobiphenyl(2) - 166%] Surrogate failing for MS-MSD but it is passing for Original sample therefore no corrective action taken.

The Retention Times were acceptable for all samples.

The MS recoveries for {Q1572-06MS} with File ID: PP070564.D met requirements for all samples except for AR1016[7313%] and AR1260[169%] due to sample matrix interference.

The MSD {Q1572-06MSD} with File ID: PP070565.D recoveries met requirements for all samples except for AR1016[7777%] and AR1260[215%] due to sample matrix interference.

The RPD for {Q1572-06MSD} with File ID: PP070565.D met criteria except for AR1260[24%] due to difference in results of MS-MSD.

The Blank Spike met requirements for all samples .  
The Blank analysis did not indicate the presence of lab contamination.  
The Initial Calibration met the requirements .  
The Continuous Calibration met the requirements .

#### E. Additional Comments:

The not QT review data is reported in the Miscellaneous.  
The soil samples results are based on a dry weight basis.

#### F. Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vi) (Ws) (D)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.

CF = Mean Calibration Factor from the initial calibration (area/ng).

Vt = Volume of the concentrated extract in uL

Vi = Volume of extract injected (uL). (If a single injection is made on to two columns, use ½ the volume in the syringe as the volume injected onto each column).

Ws = Weight of sample extracted (g).

D =  $\frac{\% \text{ dry weight or } 100 - \% \text{ Moisture}}{100}$

GPC =  $\frac{V_{in}}{V_{out}}$  = GPC factor (If no GPC is performed, GPC=1)

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup.

DF = Dilution Factor

#### G. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature \_\_\_\_\_

## **CASE NARRATIVE**

### **Weston Solutions**

**Project Name: Fort Meade MD Tipton Airfield Parcel RI - 0111169**

**Project # N/A**

**Chemtech Project # Q1569**

**Test Name: TCLP Herbicide**

### **A. Number of Samples and Date of Receipt:**

4 Solid samples were received on 03/14/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP Herbicide.

### **C. Analytical Techniques:**

The analysis was performed on instrument ECD\_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324. The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

### **E. Additional Comments:**

The not QT review data is reported in the Miscellaneous.

### **F. Calculation for water sample :**

$$\text{ug/l} = \frac{(A_x)(V_t)(MW)}{(ICF)(V_i)(V_s)} \times DF$$

Where:

Ax = Area for the parameter to be measured.

ICF = average calibration factor for the calibration standards.

Vt = Volume of total extract in uL (Take into account dilutions)

Is = Amount of standard injected in nanograms (ng)

Vi = Volume of extract injected.

Vs = Volume of Aqueous extracted (mL).

MW = molecular weight of the compound

#### **F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature \_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 3:34 pm, Mar 27, 2025*

## **CASE NARRATIVE**

### **Weston Solutions**

**Project Name: Fort Meade MD Tipton Airfield Parcel RI - 0111169**

**Project # N/A**

**Chemtech Project # Q1569**

**Test Name: TCLP Mercury, TCLP ICP Metals**

### **A. Number of Samples and Date of Receipt:**

4 Solid samples were received on 03/14/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP Mercury, TCLP ICP Metals.

### **C. Analytical Techniques:**

The analysis of TCLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

### **E. Calculations:**

#### **Calculation for TCLP Metals:**

$$\text{Concentration or Result } (\mu\text{g/L}) = C \times \frac{V_f}{V_i} \times DF \times 1000$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)

V<sub>f</sub> = Final digestion volume (mL)

V<sub>i</sub> = Initial aliquot amount (mL) (Sample amount taken in prep)

DF = Dilution Factor

**Calculation for TCLP Hg:**

Concentration or Result ( $\mu\text{g/L}$ ) =  $C \times DF$

Where,

$C$  = Instrument response in  $\mu\text{g/L}$  from the calibration curve.

$DF$  = Dilution Factor

**F. Additional Comments**

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**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 3:34 pm, Mar 27, 2025*

## **CASE NARRATIVE**

### **Weston Solutions**

**Project Name: Fort Meade MD Tipton Airfield Parcel RI - 0111169**

**Project # N/A**

**Chemtech Project # Q1569**

**Test Name: pH,Cyanide,Sulfide,Ignitability**

### **A. Number of Samples and Date of Receipt:**

4 Solid samples were received on 03/14/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for pH,Cyanide,Sulfide,Ignitability.

### **C. Analytical Techniques:**

The analysis of Ignitability was based on method 1030, The analysis of Cyanide was based on method 9012B, The analysis of Sulfide was based on method 9034 and The analysis of pH was based on method 9045D.

### **D. QA/ QC Samples:**

The Holding Times were met for all samples except for TAP-IDW-SOIL-031325-01 of pH, for TAP-IDW-SOIL-031325-02 of pH as these samples are received out of holding time.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

### **E. Additional Comments:**

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**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 3:34 pm, Mar 27, 2025*



## DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

<b>J</b>	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
<b>U</b>	Indicates the analyte was analyzed for, but not detected.
<b>ND</b>	Indicates the analyte was analyzed for, but not detected
<b>E</b>	Indicates the reported value is estimated because of the presence of interference
<b>M</b>	Indicates Duplicate injection precision not met.
<b>N</b>	Indicates the spiked sample recovery is not within control limits.
<b>S</b>	Indicates the reported value was determined by the Method of Standard Addition (MSA).
<b>*</b>	Indicates that the duplicate analysis is not within control limits.
<b>+</b>	Indicates the correlation coefficient for the MSA is less than 0.995.
<b>D</b>	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
<b>M</b>	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
<b>OR</b>	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
<b>Q</b>	Indicates the LCS did not meet the control limits requirements
<b>H</b>	Sample Analysis Out Of Hold Time

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
<b>U</b>	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
<b>ND</b>	Indicates the analyte was analyzed for, but not detected
<b>J</b>	Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ul>
<b>B</b>	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
<b>E</b>	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
<b>D</b>	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
<b>P</b>	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
<b>N</b>	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
<b>A</b>	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
<b>Q</b>	Indicates the LCS did not meet the control limits requirements

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1569

Completed

For thorough review, the report must have the following:

#### GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

#### COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

#### CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: MOHAMMAD AHMED

Date: 03/27/2025

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1569  
**Client:** Weston Solutions

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
<b>Client ID:</b>	<b>TAP-IDW-SOIL-031325-01</b>								
Q1569-02	TAP-IDW-SOIL-03 TCLP	2-Butanone		30.2		0.98	2.50	25.0	ug/L
		<b>Total Voc :</b>		30.2					
		<b>Total Concentration:</b>		30.2					
<b>Client ID:</b>	<b>TAP-IDW-SOIL-031325-02</b>								
Q1569-05	TAP-IDW-SOIL-03 TCLP	2-Butanone		25.4		0.98	2.50	25.0	ug/L
		<b>Total Voc :</b>		25.4					
		<b>Total Concentration:</b>		25.4					



# SAMPLE DATA

## Report of Analysis

Client:	Weston Solutions			Date Collected:	03/13/25	
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169			Date Received:	03/14/25	
Client Sample ID:	TAP-IDW-SOIL-031325-01			SDG No.:	Q1569	
Lab Sample ID:	Q1569-02			Matrix:	TCLP	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :	SW5035					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045307.D	1		03/17/25 15:49	VX031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	5.00	ug/L
78-93-3	2-Butanone	30.2		0.98	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.22	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	5.00	ug/L
<b>SURROGATES</b>							
17060-07-0	1,2-Dichloroethane-d4	55.2		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.9		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		85 - 114		104%	SPK: 50
<b>INTERNAL STANDARDS</b>							
363-72-4	Pentafluorobenzene	76400	5.549				
540-36-3	1,4-Difluorobenzene	150000	6.757				
3114-55-4	Chlorobenzene-d5	136000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	53700	12.024				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-02	SDG No.:	Q1569
Lab Sample ID:	Q1569-05	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045308.D	1		03/17/25 16:12	VX031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	5.00	ug/L
78-93-3	2-Butanone	25.4		0.98	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.22	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	5.00	ug/L
<b>SURROGATES</b>							
17060-07-0	1,2-Dichloroethane-d4	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
<b>INTERNAL STANDARDS</b>							
363-72-4	Pentafluorobenzene	71700	5.544				
540-36-3	1,4-Difluorobenzene	147000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52700	12.018				

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MDL = Method Detection Limit

LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## LAB CHRONICLE

<b>OrderID:</b>	Q1569	<b>OrderDate:</b>	3/14/2025 10:44:00 AM
<b>Client:</b>	Weston Solutions	<b>Project:</b>	Fort Meade MD Tipton Airfield Parcel RI - 0111169
<b>Contact:</b>	Nathan Fretz	<b>Location:</b>	I31,I33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1569-02</b>	<b>TAP-IDW-SOIL-03132 5-01</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP VOA	8260D			03/17/25	
<b>Q1569-05</b>	<b>TAP-IDW-SOIL-03132 5-02</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP VOA	8260D			03/17/25	





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1569  
**Client:** Weston Solutions

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :				0.000					
Total Svoc :					0.00				
Total Concentration:					0.00				



# SAMPLE DATA

## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/17/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/17/25
Client Sample ID:	PB167133TB	SDG No.:	Q1569
Lab Sample ID:	PB167133TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141989.D	1	03/17/25 10:15	03/18/25 11:28	PB167168

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
110-86-1	Pyridine	40.0	U	12.8	40.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	40.0	U	5.30	40.0	50.0	ug/L
95-48-7	2-Methylphenol	40.0	U	11.2	40.0	50.0	ug/L
65794-96-9	3+4-Methylphenols	80.0	U	11.0	80.0	100	ug/L
67-72-1	Hexachloroethane	40.0	U	6.50	40.0	50.0	ug/L
98-95-3	Nitrobenzene	40.0	U	7.60	40.0	50.0	ug/L
87-68-3	Hexachlorobutadiene	40.0	U	5.40	40.0	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.0	U	5.10	40.0	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	40.0	U	6.20	40.0	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	40.0	U	12.2	40.0	50.0	ug/L
118-74-1	Hexachlorobenzene	40.0	U	5.20	40.0	50.0	ug/L
87-86-5	Pentachlorophenol	80.0	U	15.8	80.0	100	ug/L
<b>SURROGATES</b>							
367-12-4	2-Fluorophenol	136		19 - 119		91%	SPK: 150
13127-88-3	Phenol-d6	131		10 - 130		87%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.8		44 - 120		97%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.9		44 - 119		96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		43 - 140		98%	SPK: 150
1718-51-0	Terphenyl-d14	99.2		50 - 134		99%	SPK: 100
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	154000	6.881				
1146-65-2	Naphthalene-d8	600000	8.157				
15067-26-2	Acenaphthene-d10	341000	9.916				
1517-22-2	Phenanthrene-d10	613000	11.398				
1719-03-5	Chrysene-d12	422000	14.039				
1520-96-3	Perylene-d12	358000	15.515				

## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/17/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/17/25
Client Sample ID:	PB167133TB	SDG No.:	Q1569
Lab Sample ID:	PB167133TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141989.D	1	03/17/25 10:15	03/18/25 11:28	PB167168

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-01	SDG No.:	Q1569
Lab Sample ID:	Q1569-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141990.D	1	03/17/25 10:15	03/18/25 12:03	PB167168

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
110-86-1	Pyridine	40.0	U	12.8	40.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	40.0	U	5.30	40.0	50.0	ug/L
95-48-7	2-Methylphenol	40.0	U	11.2	40.0	50.0	ug/L
65794-96-9	3+4-Methylphenols	80.0	U	11.0	80.0	100	ug/L
67-72-1	Hexachloroethane	40.0	U	6.50	40.0	50.0	ug/L
98-95-3	Nitrobenzene	40.0	U	7.60	40.0	50.0	ug/L
87-68-3	Hexachlorobutadiene	40.0	U	5.40	40.0	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.0	U	5.10	40.0	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	40.0	U	6.20	40.0	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	40.0	U	12.2	40.0	50.0	ug/L
118-74-1	Hexachlorobenzene	40.0	U	5.20	40.0	50.0	ug/L
87-86-5	Pentachlorophenol	80.0	U	15.8	80.0	100	ug/L
<b>SURROGATES</b>							
367-12-4	2-Fluorophenol	138		19 - 119		92%	SPK: 150
13127-88-3	Phenol-d6	124		10 - 130		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		44 - 120		104%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		44 - 119		100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174		43 - 140		116%	SPK: 150
1718-51-0	Terphenyl-d14	103		50 - 134		103%	SPK: 100
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.881				
1146-65-2	Naphthalene-d8	574000	8.157				
15067-26-2	Acenaphthene-d10	334000	9.91				
1517-22-2	Phenanthrene-d10	612000	11.398				
1719-03-5	Chrysene-d12	453000	14.039				
1520-96-3	Perylene-d12	342000	15.515				

## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-01	SDG No.:	Q1569
Lab Sample ID:	Q1569-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141990.D	1	03/17/25 10:15	03/18/25 12:03	PB167168

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 D = Dilution  
 () = Laboratory InHouse Limit  
 A = Aldol-Condensation Reaction Products

## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-02	SDG No.:	Q1569
Lab Sample ID:	Q1569-05	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141991.D	1	03/17/25 10:15	03/18/25 12:32	PB167168

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
110-86-1	Pyridine	40.0	U	12.8	40.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	40.0	U	5.30	40.0	50.0	ug/L
95-48-7	2-Methylphenol	40.0	U	11.2	40.0	50.0	ug/L
65794-96-9	3+4-Methylphenols	80.0	U	11.0	80.0	100	ug/L
67-72-1	Hexachloroethane	40.0	U	6.50	40.0	50.0	ug/L
98-95-3	Nitrobenzene	40.0	U	7.60	40.0	50.0	ug/L
87-68-3	Hexachlorobutadiene	40.0	U	5.40	40.0	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.0	U	5.10	40.0	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	40.0	U	6.20	40.0	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	40.0	U	12.2	40.0	50.0	ug/L
118-74-1	Hexachlorobenzene	40.0	U	5.20	40.0	50.0	ug/L
87-86-5	Pentachlorophenol	80.0	U	15.8	80.0	100	ug/L
<b>SURROGATES</b>							
367-12-4	2-Fluorophenol	133		19 - 119		89%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 130		82%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.0		44 - 120		98%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.0		44 - 119		95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	169		43 - 140		113%	SPK: 150
1718-51-0	Terphenyl-d14	104		50 - 134		104%	SPK: 100
<b>INTERNAL STANDARDS</b>							
3855-82-1	1,4-Dichlorobenzene-d4	148000	6.881				
1146-65-2	Naphthalene-d8	587000	8.157				
15067-26-2	Acenaphthene-d10	339000	9.91				
1517-22-2	Phenanthrene-d10	630000	11.398				
1719-03-5	Chrysene-d12	432000	14.039				
1520-96-3	Perylene-d12	389000	15.509				

## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-02	SDG No.:	Q1569
Lab Sample ID:	Q1569-05	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141991.D	1	03/17/25 10:15	03/18/25 12:32	PB167168

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

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\* = Values outside of QC limits

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A = Aldol-Condensation Reaction Products



## LAB CHRONICLE

<b>OrderID:</b>	Q1569	<b>OrderDate:</b>	3/14/2025 10:44:00 AM
<b>Client:</b>	Weston Solutions	<b>Project:</b>	Fort Meade MD Tipton Airfield Parcel RI - 0111169
<b>Contact:</b>	Nathan Fretz	<b>Location:</b>	I31,I33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1569-02</b>	<b>TAP-IDW-SOIL-03132 5-01</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP BNA	8270E		03/17/25	03/18/25	
<b>Q1569-05</b>	<b>TAP-IDW-SOIL-03132 5-02</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP BNA	8270E		03/17/25	03/18/25	

**Hit Summary Sheet**  
SW-846

A

B

C

D

<b>SDG No.:</b>	<b>Q1569</b>	<b>Order ID:</b>	<b>Q1569</b>
<b>Client:</b>	<b>Weston Solutions</b>	<b>Project ID:</b>	<b>Fort Meade MD Tipton Airfield Parcel</b>

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									

**Total Concentration: 0.000**



# SAMPLE DATA

## Report of Analysis

Client:	Weston Solutions		Date Collected:		
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169		Date Received:	03/19/25	
Client Sample ID:	PB167133TB		SDG No.:	Q1569	
Lab Sample ID:	PB167133TB		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094741.D	1	03/19/25 11:40	03/19/25 16:54	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
58-89-9	gamma-BHC (Lindane)	0.10	U	0.037	0.10	0.50	ug/L
76-44-8	Heptachlor	0.10	U	0.027	0.10	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.096	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.032	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.70	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.88	2.50	5.00	ug/L
<b>SURROGATES</b>							
2051-24-3	Decachlorobiphenyl	22.3		30 - 135		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		44 - 124		109%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Weston Solutions		Date Collected:	03/13/25	
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169		Date Received:	03/14/25	
Client Sample ID:	TAP-IDW-SOIL-031325-01		SDG No.:	Q1569	
Lab Sample ID:	Q1569-02		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094743.D	1	03/19/25 11:40	03/19/25 17:22	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
58-89-9	gamma-BHC (Lindane)	0.10	U	0.037	0.10	0.50	ug/L
76-44-8	Heptachlor	0.10	U	0.027	0.10	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.096	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.032	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.70	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.88	2.50	5.00	ug/L
<b>SURROGATES</b>							
2051-24-3	Decachlorobiphenyl	25.0		30 - 135		125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		44 - 124		112%	SPK: 20

### Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Weston Solutions		Date Collected:	03/13/25	
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169		Date Received:	03/14/25	
Client Sample ID:	TAP-IDW-SOIL-031325-02		SDG No.:	Q1569	
Lab Sample ID:	Q1569-05		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094746.D	1	03/19/25 11:40	03/19/25 18:08	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
58-89-9	gamma-BHC (Lindane)	0.10	U	0.037	0.10	0.50	ug/L
76-44-8	Heptachlor	0.10	U	0.027	0.10	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.096	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.032	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.70	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.88	2.50	5.00	ug/L
<b>SURROGATES</b>							
2051-24-3	Decachlorobiphenyl	26.2		30 - 135		131%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		44 - 124		113%	SPK: 20

### Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## LAB CHRONICLE

<b>OrderID:</b>	Q1569	<b>OrderDate:</b>	3/14/2025 10:44:00 AM
<b>Client:</b>	Weston Solutions	<b>Project:</b>	Fort Meade MD Tipton Airfield Parcel RI - 0111169
<b>Contact:</b>	Nathan Fretz	<b>Location:</b>	I31,I33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1569-01</b>	<b>TAP-IDW-SOIL-03132 5-01</b>	<b>SOIL</b>			<b>03/13/25</b>			<b>03/14/25</b>
			PCB	8082A		03/14/25	03/14/25	
<b>Q1569-02</b>	<b>TAP-IDW-SOIL-03132 5-01</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP Pesticide	8081B		03/19/25	03/19/25	
<b>Q1569-04</b>	<b>TAP-IDW-SOIL-03132 5-02</b>	<b>SOIL</b>			<b>03/13/25</b>			<b>03/14/25</b>
			PCB	8082A		03/14/25	03/14/25	
<b>Q1569-05</b>	<b>TAP-IDW-SOIL-03132 5-02</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP Pesticide	8081B		03/19/25	03/19/25	

**Hit Summary Sheet**  
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<b>SDG No.:</b>	<b>Q1569</b>	<b>Order ID:</b>	<b>Q1569</b>
<b>Client:</b>	<b>Weston Solutions</b>	<b>Project ID:</b>	<b>Fort Meade MD Tipton Airfield Parcel</b>

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									

**Total Concentration: 0.000**





# SAMPLE DATA

## Report of Analysis

Client:	Weston Solutions		Date Collected:	03/13/25	
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169		Date Received:	03/14/25	
Client Sample ID:	TAP-IDW-SOIL-031325-01		SDG No.:	Q1569	
Lab Sample ID:	Q1569-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	76.6	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070550.D	1	03/14/25 12:25	03/14/25 23:09	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
12674-11-2	Aroclor-1016	10.8	U	5.10	10.8	22.1	ug/kg
11104-28-2	Aroclor-1221	16.9	U	5.20	16.9	22.1	ug/kg
11141-16-5	Aroclor-1232	10.8	U	4.80	10.8	22.1	ug/kg
53469-21-9	Aroclor-1242	10.8	U	5.20	10.8	22.1	ug/kg
12672-29-6	Aroclor-1248	16.9	U	7.70	16.9	22.1	ug/kg
11097-69-1	Aroclor-1254	10.8	U	4.20	10.8	22.1	ug/kg
37324-23-5	Aroclor-1262	16.9	U	6.50	16.9	22.1	ug/kg
11100-14-4	Aroclor-1268	10.8	U	4.70	10.8	22.1	ug/kg
11096-82-5	Aroclor-1260	10.8	U	4.20	10.8	22.1	ug/kg
<b>SURROGATES</b>							
877-09-8	Tetrachloro-m-xylene	19.6		44 - 130		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.0		60 - 125		90%	SPK: 20

### Comments:

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## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-02	SDG No.:	Q1569
Lab Sample ID:	Q1569-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	73.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070551.D	1	03/14/25 12:25	03/14/25 23:25	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
12674-11-2	Aroclor-1016	11.3	U	5.40	11.3	23.2	ug/kg
11104-28-2	Aroclor-1221	17.7	U	5.50	17.7	23.2	ug/kg
11141-16-5	Aroclor-1232	11.3	U	5.10	11.3	23.2	ug/kg
53469-21-9	Aroclor-1242	11.3	U	5.50	11.3	23.2	ug/kg
12672-29-6	Aroclor-1248	17.7	U	8.10	17.7	23.2	ug/kg
11097-69-1	Aroclor-1254	11.3	U	4.40	11.3	23.2	ug/kg
37324-23-5	Aroclor-1262	17.7	U	6.80	17.7	23.2	ug/kg
11100-14-4	Aroclor-1268	11.3	U	4.90	11.3	23.2	ug/kg
11096-82-5	Aroclor-1260	11.3	U	4.40	11.3	23.2	ug/kg
<b>SURROGATES</b>							
877-09-8	Tetrachloro-m-xylene	22.7		44 - 130		114%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 125		101%	SPK: 20

### Comments:

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() = Laboratory InHouse Limit

### LAB CHRONICLE

<b>OrderID:</b>	Q1569	<b>OrderDate:</b>	3/14/2025 10:44:00 AM
<b>Client:</b>	Weston Solutions	<b>Project:</b>	Fort Meade MD Tipton Airfield Parcel RI - 0111169
<b>Contact:</b>	Nathan Fretz	<b>Location:</b>	I31,I33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1569-01</b>	<b>TAP-IDW-SOIL-03132 5-01</b>	<b>SOIL</b>			<b>03/13/25</b>			<b>03/14/25</b>
			PCB	8082A		03/14/25	03/14/25	
<b>Q1569-04</b>	<b>TAP-IDW-SOIL-03132 5-02</b>	<b>SOIL</b>			<b>03/13/25</b>			<b>03/14/25</b>
			PCB	8082A		03/14/25	03/14/25	

**Hit Summary Sheet**  
SW-846

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<b>SDG No.:</b>	<b>Q1569</b>	<b>Order ID:</b>	<b>Q1569</b>
<b>Client:</b>	<b>Weston Solutions</b>	<b>Project ID:</b>	<b>Fort Meade MD Tipton Airfield Parcel</b>

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									

**Total Concentration: 0.000**



# SAMPLE DATA

## Report of Analysis

Client:	Weston Solutions		Date Collected:		
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169		Date Received:	03/19/25	
Client Sample ID:	PB167133TB		SDG No.:	Q1569	
Lab Sample ID:	PB167133TB		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029456.D	1	03/19/25 11:15	03/19/25 18:45	PB167214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
94-75-7	2,4-D	15.0	U	9.20	15.0	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	15.0	U	7.80	15.0	20.0	ug/L
<b>SURROGATES</b>							
19719-28-9	2,4-DCAA	524		32 - 138		105%	SPK: 500

### Comments:

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MDL = Method Detection Limit

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N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Weston Solutions		Date Collected:	03/13/25	
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169		Date Received:	03/14/25	
Client Sample ID:	TAP-IDW-SOIL-031325-01		SDG No.:	Q1569	
Lab Sample ID:	Q1569-02		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029460.D	1	03/19/25 11:15	03/19/25 21:10	PB167214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
94-75-7	2,4-D	15.0	U	9.20	15.0	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	15.0	U	7.80	15.0	20.0	ug/L
<b>SURROGATES</b>							
19719-28-9	2,4-DCAA	427		32 - 138		85%	SPK: 500

### Comments:

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



## Report of Analysis

Client:	Weston Solutions		Date Collected:	03/13/25	
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169		Date Received:	03/14/25	
Client Sample ID:	TAP-IDW-SOIL-031325-02		SDG No.:	Q1569	
Lab Sample ID:	Q1569-05		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029463.D	1	03/19/25 11:15	03/19/25 22:21	PB167214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b>							
94-75-7	2,4-D	15.0	U	9.20	15.0	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	15.0	U	7.80	15.0	20.0	ug/L
<b>SURROGATES</b>							
19719-28-9	2,4-DCAA	432		32 - 138		86%	SPK: 500

### Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## LAB CHRONICLE

<b>OrderID:</b>	Q1569	<b>OrderDate:</b>	3/14/2025 10:44:00 AM
<b>Client:</b>	Weston Solutions	<b>Project:</b>	Fort Meade MD Tipton Airfield Parcel RI - 0111169
<b>Contact:</b>	Nathan Fretz	<b>Location:</b>	I31,I33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1569-01</b>	<b>TAP-IDW-SOIL-03132 5-01</b>	<b>SOIL</b>			<b>03/13/25</b>			<b>03/14/25</b>
			PCB	8082A		03/14/25	03/14/25	
<b>Q1569-02</b>	<b>TAP-IDW-SOIL-03132 5-01</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP Herbicide	8151A		03/19/25	03/19/25	
			TCLP Pesticide	8081B		03/19/25	03/19/25	
<b>Q1569-04</b>	<b>TAP-IDW-SOIL-03132 5-02</b>	<b>SOIL</b>			<b>03/13/25</b>			<b>03/14/25</b>
			PCB	8082A		03/14/25	03/14/25	
<b>Q1569-05</b>	<b>TAP-IDW-SOIL-03132 5-02</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP Herbicide	8151A		03/19/25	03/19/25	
			TCLP Pesticide	8081B		03/19/25	03/19/25	

**Hit Summary Sheet**  
**SW-846**

<b>SDG No.:</b>	Q1569	<b>Order ID:</b>	Q1569
<b>Client:</b>	Weston Solutions	<b>Project ID:</b>	Fort Meade MD Tipton Airfield Parcel RI -

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
<b>Client ID : TAP-IDW-SOIL-031325-01</b>									
Q1569-02	TAP-IDW-SOIL-031325-01	TCLP	Barium	699		62.8	125	500	ug/L
Q1569-02	TAP-IDW-SOIL-031325-01	TCLP	Chromium	9.50	J	6.60	25.0	50.0	ug/L
<b>Client ID : TAP-IDW-SOIL-031325-02</b>									
Q1569-05	TAP-IDW-SOIL-031325-02	TCLP	Barium	870		62.8	125	500	ug/L



# SAMPLE DATA

## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-01	SDG No.:	Q1569
Lab Sample ID:	Q1569-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	80.0	U	1	34.8	80.0	100	ug/L	03/17/25 12:05	03/18/25 11:40	SW6010	SW3050
7440-39-3	Barium	699		1	62.8	125	500	ug/L	03/17/25 12:05	03/18/25 11:40	SW6010	SW3050
7440-43-9	Cadmium	7.50	U	1	0.94	7.50	30.0	ug/L	03/17/25 12:05	03/18/25 11:40	SW6010	SW3050
7440-47-3	Chromium	9.50	J	1	6.60	25.0	50.0	ug/L	03/17/25 12:05	03/18/25 11:40	SW6010	SW3050
7439-92-1	Lead	48.0	U	1	35.1	48.0	60.0	ug/L	03/17/25 12:05	03/18/25 11:40	SW6010	SW3050
7439-97-6	Mercury	1.60	U	1	0.76	1.60	2.00	ug/L	03/17/25 10:35	03/18/25 10:30	SW7470A	
7782-49-2	Selenium	80.0	U	1	58.8	80.0	100	ug/L	03/17/25 12:05	03/18/25 11:40	SW6010	SW3050
7440-22-4	Silver	25.0	U	1	5.80	25.0	50.0	ug/L	03/17/25 12:05	03/18/25 11:40	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP METALS			

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

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:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-02	SDG No.:	Q1569
Lab Sample ID:	Q1569-05	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	80.0	U	1	34.8	80.0	100	ug/L	03/17/25 12:05	03/18/25 11:36	SW6010	SW3050
7440-39-3	Barium	870		1	62.8	125	500	ug/L	03/17/25 12:05	03/18/25 11:36	SW6010	SW3050
7440-43-9	Cadmium	7.50	U	1	0.94	7.50	30.0	ug/L	03/17/25 12:05	03/18/25 11:36	SW6010	SW3050
7440-47-3	Chromium	25.0	U	1	6.60	25.0	50.0	ug/L	03/17/25 12:05	03/18/25 11:36	SW6010	SW3050
7439-92-1	Lead	48.0	U	1	35.1	48.0	60.0	ug/L	03/17/25 12:05	03/18/25 11:36	SW6010	SW3050
7439-97-6	Mercury	1.60	U	1	0.76	1.60	2.00	ug/L	03/17/25 10:35	03/18/25 10:43	SW7470A	
7782-49-2	Selenium	80.0	U	1	58.8	80.0	100	ug/L	03/17/25 12:05	03/18/25 11:36	SW6010	SW3050
7440-22-4	Silver	25.0	U	1	5.80	25.0	50.0	ug/L	03/17/25 12:05	03/18/25 11:36	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP METALS			

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

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

## LAB CHRONICLE

<b>OrderID:</b>	Q1569	<b>OrderDate:</b>	3/14/2025 10:44:00 AM
<b>Client:</b>	Weston Solutions	<b>Project:</b>	Fort Meade MD Tipton Airfield Parcel RI - 0111169
<b>Contact:</b>	Nathan Fretz	<b>Location:</b>	I31,I33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1569-02</b>	<b>TAP-IDW-SOIL-03132 5-01</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP ICP Metals	6010D		03/17/25	03/18/25	
			TCLP Mercury	7470A		03/17/25	03/18/25	
<b>Q1569-05</b>	<b>TAP-IDW-SOIL-03132 5-02</b>	<b>TCLP</b>			<b>03/13/25</b>			<b>03/14/25</b>
			TCLP ICP Metals	6010D		03/17/25	03/18/25	
			TCLP Mercury	7470A		03/17/25	03/18/25	



# SAMPLE DATA



## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25 10:20
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-01	SDG No.:	Q1569
Lab Sample ID:	Q1569-01	Matrix:	SOIL
		% Solid:	76.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.26	U	1	0.054	0.26	0.32	mg/Kg	03/14/25 10:45	03/14/25 16:42	9012B
Ignitability	NO		1	0	0	0	oC		03/14/25 12:24	1030
pH	6.67	H	1	0	0	0	pH		03/14/25 15:10	9045D
Sulfide	4.14	J	1	2.60	6.48	13.0	mg/Kg	03/19/25 13:40	03/19/25 15:51	9034

Comments: pH result reported at temperature 21.4 °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:	03/13/25 10:50
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-02	SDG No.:	Q1569
Lab Sample ID:	Q1569-04	Matrix:	SOIL
		% Solid:	73.3

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.26	U	1	0.054	0.26	0.32	mg/Kg	03/20/25 10:00	03/21/25 10:48	9012B
Ignitability	NO		1	0	0	0	oC		03/14/25 12:31	1030
pH	10.2	H	1	0	0	0	pH		03/14/25 15:20	9045D
Sulfide	6.79	U	1	2.73	6.79	13.6	mg/Kg	03/19/25 13:40	03/19/25 16:03	9034

Comments: pH result reported at temperature 21.5 °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

## LAB CHRONICLE

<b>OrderID:</b>	Q1569	<b>OrderDate:</b>	3/14/2025 10:44:00 AM
<b>Client:</b>	Weston Solutions	<b>Project:</b>	Fort Meade MD Tipton Airfield Parcel RI - 0111169
<b>Contact:</b>	Nathan Fretz	<b>Location:</b>	I31,I33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1569-01</b>	<b>TAP-IDW-SOIL-03132 5-01</b>	<b>SOIL</b>			<b>03/13/25 10:20</b>			<b>03/14/25</b>
			Cyanide	9012B		03/14/25	03/14/25 16:42	
			Ignitability	1030			03/14/25 12:24	
			pH	9045D			03/14/25 15:10	
			Sulfide	9034		03/19/25	03/19/25 15:51	
<b>Q1569-04</b>	<b>TAP-IDW-SOIL-03132 5-02</b>	<b>SOIL</b>			<b>03/13/25 10:50</b>			<b>03/14/25</b>
			Cyanide	9012B		03/20/25	03/21/25 10:48	
			Ignitability	1030			03/14/25 12:31	
			pH	9045D			03/14/25 15:20	
			Sulfide	9034		03/19/25	03/19/25 16:03	



# SHIPPING DOCUMENTS

Weston COC ID
Weston_20250313_1208

### Chain of Custody Record/Lab Work Request

Page	1	of	1
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Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	Project POC:	Nathan Fretz
PO Number	0111189	Phone:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	21	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes
SS - Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
SB - Soil Boring
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Analyses Requested:	TCLP VOCs by EPA 8260D (1311)	TCLP SVOCs by EPA 8270E (1311)	TCLP Metals by EPA 8010D/7470A	TCLP Pesticides by EPA 8081B	TCLP Herbicides by EPA 8151A	Total Cyanide by EPA 9012E	Total Sulfide by EPA 9034	PCBs by EPA 8082A	pH by EPA 9045D	Ignitability by EPA 1030		
Container Type:	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass		
Container Size:	4 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz		
Preservative:	Ice to 0-6	Ice to 0-6 deg	Ice to 0-6 deg	Ice to 0-6 deg	Ice to 0-6 deg c	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6		

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	X	X	X	X	X	X	X	X	X	X	Special Instructions/Comments
1	TAP-IDW-SOIL-031325-01	c	DS	7	no	3/13/2025	10:20	X	X	X	X	X	X	X	X	X	X	*VOCs no headspace, prep immediately
2	TAP-IDW-SOIL-031325-02	c	DS	7	no	3/13/2025	10:50	X	X	X	X	X	X	X	X	X	X	*VOCs no headspace, prep immediately
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Shipping Airbill Number: 7726 9601 3376						Cooler Number: 1 of 1	
Relinquished By	Date	Time	Received By	Date	Time	Additional Comments	
1. <i>[Signature]</i>	3/13/25	1315	<i>[Signature]</i>	3/14/25	1000	QSM 6.0 Compliant	
2.)						Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD	
3.)						2.9°C	

### Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488