

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 : Q1352

ATTENTION : Nathan Fretz



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1352

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

Client : Weston Solutions

Lab Sample Number

Q1352-01
Q1352-02

Client Sample Number

TAP-IDW-SOIL-021025
TAP-IDW-SOIL-021025

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 : _____

Date: 2/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions

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

Project # N/A

Chemtech Project # Q1352

Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 02/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, 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_x = Area for the compound to be measured

A_{is} = Area for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

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

V₀ = 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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Signature_____

CASE NARRATIVE

Weston Solutions

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

Project # N/A

Chemtech Project # Q1352

Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 02/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, 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.



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 <15% 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 > 15% 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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Signature_____

CASE NARRATIVE

Weston Solutions

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

Project # N/A

Chemtech Project # Q1352

Test Name: PCB

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 02/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, 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.

The Retention Times were acceptable for all samples.

The MS recoveries for {Q1356-03MS} with File ID: PP069682.D met requirements for all samples except for AR1016[154%] and AR1260[213%] Due to matrix interference.

The MSD {Q1356-03MSD} with File ID: PP069683.D recoveries met requirements for all samples except for AR1016[153%] and AR1260[213%] Due to matrix interference.

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.
 The soil samples results are based on a dry weight basis.

F. Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(A_x) (V_t) (DF) (GPC)}{(CF) (V_i) (W_s) (D)}$$

Where,

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

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

V_t = Volume of the concentrated extract in uL

V_i = 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).

W_s = Weight of sample extracted (g).

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

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

V_{in} = Volume of extract loaded onto GPC column.

V_{out} = 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.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____

CASE NARRATIVE

Weston Solutions

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

Project # N/A

Chemtech Project # Q1352

Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 02/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, 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.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____

CASE NARRATIVE

Weston Solutions

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

Project # N/A

Chemtech Project # Q1352

Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 02/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, 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:

A_x = Area for the parameter to be measured.

ICF = average calibration factor for the calibration standards.

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

I_s = Amount of standard injected in nanograms (ng)

V_i = Volume of extract injected.

V_s = 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 _____

CASE NARRATIVE

Weston Solutions

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

Project # N/A

Chemtech Project # Q1352

Test Name: TCLP Mercury, TCLP ICP Metals

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 02/11/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Anions Group1, Cyanide, Ignitability, 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 (SOIL-PILEMS) analysis met criteria for all samples except for Mercury due to matrix interference.

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:

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

Where,

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

V_f = Final digestion volume (mL)

V_i = Initial aliquot amount (mL) (Sample amount taken in prep)

DF = Dilution Factor



Calculation for TCLP Hg:

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

Where,

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

DF = Dilution Factor

F. Additional Comments:

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Signature _____



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

CASE NARRATIVE

Weston Solutions

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

Project # N/A

Chemtech Project # Q1352

Test Name: pH,Cyanide,Sulfide,Ignitability

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 02/11/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, 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-021025 of pH as this sample received out of hold.

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:

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

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

- J** 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).
- U** Indicates the analyte was analyzed for, but not detected.
- ND** Indicates the analyte was analyzed for, but not detected
- E** Indicates the reported value is estimated because of the presence of interference
- M** Indicates Duplicate injection precision not met.
- N** Indicates the spiked sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- *** Indicates that the duplicate analysis is not within control limits.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- D** Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- M** 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
- OR** Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
- Q** Indicates the LCS did not meet the control limits requirements
- H** 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 |
| U | 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. |
| ND | Indicates the analyte was analyzed for, but not detected |
| J | Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (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 is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| B | Indicates the analyte was found in the blank as well as the sample report as “12 B”. |
| E | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis. |
| D | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| P | 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”. |
| N | 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. |
| A | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| Q | Indicates the LCS did not meet the control limits requirements |

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1352

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: PRADIP PRAJAPATI

Date: 02/28/2025

Hit Summary Sheet
SW-846

SDG No.: Q1352
Client: Weston Solutions

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|-------------------|----------------------------|--------|-----------------------------|---------------|---|------|------|------|-------|
| Client ID: | TAP-IDW-SOIL-021025 | | | | | | | | |
| Q1352-02 | TAP-IDW-SOIL-02 | TCLP | 2-Butanone | 5.00 | J | 1.30 | 2.50 | 25.0 | ug/L |
| | | | Total Voc : | 5.00 | | | | | |
| | | | Total Concentration: | 5.00 | | | | | |

A

B

C

D



SAMPLE DATA

Report of Analysis

| | | | | | |
|--------------------|---|-----------|-----------------|----------|----|
| Client: | Weston Solutions | | Date Collected: | 02/10/25 | |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | | Date Received: | 02/11/25 | |
| Client Sample ID: | TAP-IDW-SOIL-021025 | | SDG No.: | Q1352 | |
| Lab Sample ID: | Q1352-02 | | 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 |
| VX044960.D | 1 | | 02/14/25 14:43 | VX021425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---------------------------|------------------------|--------|-----------|----------|------|------------|---------|
| TARGETS | | | | | | | |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 5.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 5.00 | J | 1.30 | 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 | 0.26 | 0.50 | 5.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 5.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.75 | U | 0.24 | 0.75 | 5.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 5.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 5.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 5.00 | ug/L |
| SURROGATES | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 55.4 | | 81 - 118 | | 111% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.3 | | 80 - 119 | | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.7 | | 89 - 112 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.7 | | 85 - 114 | | 103% | SPK: 50 |
| INTERNAL STANDARDS | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 83300 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 170000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 155000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 66500 | 12.018 | | | | |

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

LAB CHRONICLE

| | |
|---------------------------------|---|
| OrderID: Q1352 | OrderDate: 2/11/2025 11:32:00 AM |
| Client: Weston Solutions | Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169 |
| Contact: Nathan Fretz | Location: N51 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------------------|--------|----------|--------|-------------|-----------|-----------|----------|
| Q1352-02 | TAP-IDW-SOIL-02102 5 | TCLP | TCLP VOA | 8260D | 02/10/25 | | 02/14/25 | 02/11/25 |



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

Hit Summary Sheet SW-846

SDG No.: Q1352
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: | 02/13/25 |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/13/25 |
| Client Sample ID: | PB166700TB | SDG No.: | Q1352 |
| Lab Sample ID: | PB166700TB | 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 |
| BF141631.D | 1 | 02/13/25 09:00 | 02/14/25 11:21 | PB166711 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---------------------------|------------------------|--------|-----------|----------|------|------------|----------|
| TARGETS | | | | | | | |
| 110-86-1 | Pyridine | 40.0 | U | 15.5 | 40.0 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 40.0 | U | 8.40 | 40.0 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 40.0 | U | 11.3 | 40.0 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 80.0 | U | 11.5 | 80.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 40.0 | U | 10.1 | 40.0 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 40.0 | U | 12.7 | 40.0 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 40.0 | U | 12.7 | 40.0 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 40.0 | U | 8.90 | 40.0 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 40.0 | U | 10.1 | 40.0 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 40.0 | U | 15.2 | 40.0 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 40.0 | U | 11.4 | 40.0 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 80.0 | U | 18.5 | 80.0 | 100 | ug/L |
| SURROGATES | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 140 | | 19 - 119 | | 93% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 137 | | 10 - 130 | | 91% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 91.9 | | 44 - 120 | | 92% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 93.1 | | 44 - 119 | | 93% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 139 | | 43 - 140 | | 93% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 92.4 | | 50 - 134 | | 92% | SPK: 100 |
| INTERNAL STANDARDS | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 90400 | 6.787 | | | | |
| 1146-65-2 | Naphthalene-d8 | 375000 | 8.069 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 209000 | 9.822 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 381000 | 11.304 | | | | |
| 1719-03-5 | Chrysene-d12 | 295000 | 13.951 | | | | |
| 1520-96-3 | Perylene-d12 | 216000 | 15.433 | | | | |

Report of Analysis

| | | | |
|--------------------|---|-----------------|----------|
| Client: | Weston Solutions | Date Collected: | 02/13/25 |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/13/25 |
| Client Sample ID: | PB166700TB | SDG No.: | Q1352 |
| Lab Sample ID: | PB166700TB | 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 |
| BF141631.D | 1 | 02/13/25 09:00 | 02/14/25 11:21 | PB166711 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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: | 02/10/25 |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/11/25 |
| Client Sample ID: | TAP-IDW-SOIL-021025 | SDG No.: | Q1352 |
| Lab Sample ID: | Q1352-02 | 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 |
| BF141633.D | 1 | 02/13/25 09:00 | 02/14/25 12:18 | PB166711 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---------------------------|------------------------|--------|-----------|----------|------|------------|----------|
| TARGETS | | | | | | | |
| 110-86-1 | Pyridine | 40.0 | U | 15.5 | 40.0 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 40.0 | U | 8.40 | 40.0 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 40.0 | U | 11.3 | 40.0 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 80.0 | U | 11.5 | 80.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 40.0 | U | 10.1 | 40.0 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 40.0 | U | 12.7 | 40.0 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 40.0 | U | 12.7 | 40.0 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 40.0 | U | 8.90 | 40.0 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 40.0 | U | 10.1 | 40.0 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 40.0 | U | 15.2 | 40.0 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 40.0 | U | 11.4 | 40.0 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 80.0 | U | 18.5 | 80.0 | 100 | ug/L |
| SURROGATES | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 133 | | 19 - 119 | | 89% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 121 | | 10 - 130 | | 81% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 92.6 | | 44 - 120 | | 93% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 92.0 | | 44 - 119 | | 92% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 141 | | 43 - 140 | | 94% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 103 | | 50 - 134 | | 103% | SPK: 100 |
| INTERNAL STANDARDS | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 86800 | 6.787 | | | | |
| 1146-65-2 | Naphthalene-d8 | 357000 | 8.069 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 195000 | 9.822 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 336000 | 11.304 | | | | |
| 1719-03-5 | Chrysene-d12 | 214000 | 13.951 | | | | |
| 1520-96-3 | Perylene-d12 | 169000 | 15.421 | | | | |

Report of Analysis

| | | | |
|--------------------|---|-----------------|----------|
| Client: | Weston Solutions | Date Collected: | 02/10/25 |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/11/25 |
| Client Sample ID: | TAP-IDW-SOIL-021025 | SDG No.: | Q1352 |
| Lab Sample ID: | Q1352-02 | 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 |
| BF141633.D | 1 | 02/13/25 09:00 | 02/14/25 12:18 | PB166711 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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

LAB CHRONICLE

| | |
|---------------------------------|---|
| OrderID: Q1352 | OrderDate: 2/11/2025 11:32:00 AM |
| Client: Weston Solutions | Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169 |
| Contact: Nathan Fretz | Location: N51 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------------------|--------|----------|--------|-------------|-----------|-----------|----------|
| Q1352-02 | TAP-IDW-SOIL-02102 5 | TCLP | TCLP BNA | 8270E | 02/10/25 | 02/13/25 | 02/14/25 | 02/11/25 |

Hit Summary Sheet
 SW-846

SDG No.: Q1352

Order ID: Q1352

Client: Weston Solutions

Project ID: Ft Meade Tipton Airfield Parcel RI - P

| 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: | 02/10/25 | |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/11/25 | |
| Client Sample ID: | TAP-IDW-SOIL-021025 | SDG No.: | Q1352 | |
| Lab Sample ID: | Q1352-01 | Matrix: | SOIL | |
| Analytical Method: | SW8082A | % Solid: | 74.7 | 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 |
| PP069677.D | 1 | 02/12/25 08:30 | 02/12/25 13:45 | PB166696 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------|------------|-------------------|
| TARGETS | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 11.1 | U | 4.50 | 11.1 | 22.7 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 17.4 | U | 8.60 | 17.4 | 22.7 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 17.4 | U | 4.50 | 17.4 | 22.7 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 11.1 | U | 4.50 | 11.1 | 22.7 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 17.4 | U | 10.5 | 17.4 | 22.7 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 17.4 | U | 3.60 | 17.4 | 22.7 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 11.1 | U | 6.10 | 11.1 | 22.7 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 17.4 | U | 4.60 | 17.4 | 22.7 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 11.1 | U | 3.90 | 11.1 | 22.7 | ug/kg |
| SURROGATES | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 24.9 | | 44 - 130 | | 125% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.8 | | 60 - 125 | | 94% | 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 >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

| | |
|---------------------------------|---|
| OrderID: Q1352 | OrderDate: 2/11/2025 11:32:00 AM |
| Client: Weston Solutions | Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169 |
| Contact: Nathan Fretz | Location: N51 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------------------|--------|------|--------|-------------|-----------|-----------|----------|
| Q1352-01 | TAP-IDW-SOIL-02102 5 | SOIL | PCB | 8082A | 02/10/25 | 02/12/25 | 02/12/25 | 02/11/25 |

Hit Summary Sheet
 SW-846

SDG No.: Q1352

Order ID: Q1352

Client: Weston Solutions

Project ID: Ft Meade Tipton Airfield Parcel RI - P

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-----|-------|

Client ID :

Total Concentration: 0.000

A

B

C

D



SAMPLE DATA

Report of Analysis

| | | | |
|--------------------|---|--------------------|----------------|
| Client: | Weston Solutions | Date Collected: | |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/13/25 |
| Client Sample ID: | PB166700TB | SDG No.: | Q1352 |
| Lab Sample ID: | PB166700TB | 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 |
| PL094192.D | 1 | 02/13/25 09:45 | 02/14/25 13:32 | PB166712 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| TARGETS | | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.25 | U | 0.049 | 0.25 | 0.50 | ug/L |
| 76-44-8 | Heptachlor | 0.25 | U | 0.054 | 0.25 | 0.50 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.25 | U | 0.090 | 0.25 | 0.50 | ug/L |
| 72-20-8 | Endrin | 0.10 | U | 0.043 | 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 | 1.50 | 5.00 | 10.0 | ug/L |
| 57-74-9 | Chlordane | 2.50 | U | 0.82 | 2.50 | 5.00 | ug/L |
| SURROGATES | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 21.2 | | 30 - 135 | | 106% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 18.6 | | 44 - 124 | | 93% | SPK: 20 |

Comments:

| | |
|--|--|
| U = Not Detected | J = Estimated Value |
| LOQ = Limit of Quantitation | B = Analyte Found in Associated Method Blank |
| MDL = Method Detection Limit | N = Presumptive Evidence of a Compound |
| LOD = Limit of Detection | * = Values outside of QC limits |
| E = Value Exceeds Calibration Range | D = Dilution |
| P = Indicates >25% difference for detected concentrations between the two GC columns | S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample. |
| Q = indicates LCS control criteria did not meet requirements | () = Laboratory InHouse Limit |
| M = MS/MSD acceptance criteria did not meet requirements | |

Report of Analysis

| | | | | | | |
|--------------------|---|-----------------|----------|--------------------|----------------|----|
| Client: | Weston Solutions | Date Collected: | 02/10/25 | | | |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/11/25 | | | |
| Client Sample ID: | TAP-IDW-SOIL-021025 | SDG No.: | Q1352 | | | |
| Lab Sample ID: | Q1352-02 | 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 |
| PL094224.D | 1 | 02/13/25 09:45 | 02/17/25 11:41 | PB166712 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| TARGETS | | | | | | | |
| 58-89-9 | gamma-BHC (Lindane) | 0.25 | U | 0.049 | 0.25 | 0.50 | ug/L |
| 76-44-8 | Heptachlor | 0.25 | U | 0.054 | 0.25 | 0.50 | ug/L |
| 1024-57-3 | Heptachlor epoxide | 0.25 | U | 0.090 | 0.25 | 0.50 | ug/L |
| 72-20-8 | Endrin | 0.10 | U | 0.043 | 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 | 1.50 | 5.00 | 10.0 | ug/L |
| 57-74-9 | Chlordane | 2.50 | U | 0.82 | 2.50 | 5.00 | ug/L |
| SURROGATES | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 24.2 | | 30 - 135 | | 121% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 21.4 | | 44 - 124 | | 107% | SPK: 20 |

Comments:

| | |
|--|--|
| U = Not Detected | J = Estimated Value |
| LOQ = Limit of Quantitation | B = Analyte Found in Associated Method Blank |
| MDL = Method Detection Limit | N = Presumptive Evidence of a Compound |
| LOD = Limit of Detection | * = Values outside of QC limits |
| E = Value Exceeds Calibration Range | D = Dilution |
| P = Indicates >25% difference for detected concentrations between the two GC columns | S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample. |
| Q = indicates LCS control criteria did not meet requirements | () = Laboratory InHouse Limit |
| M = MS/MSD acceptance criteria did not meet requirements | |

LAB CHRONICLE

| | |
|---------------------------------|---|
| OrderID: Q1352 | OrderDate: 2/11/2025 11:32:00 AM |
| Client: Weston Solutions | Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169 |
| Contact: Nathan Fretz | Location: N51 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------------------|--------|----------------|--------|-------------|-----------|-----------|----------|
| Q1352-01 | TAP-IDW-SOIL-02102 5 | SOIL | | | 02/10/25 | | | 02/11/25 |
| | | | PCB | 8082A | | 02/12/25 | 02/12/25 | |
| Q1352-02 | TAP-IDW-SOIL-02102 5 | TCLP | | | 02/10/25 | | | 02/11/25 |
| | | | TCLP Herbicide | 8151A | | 02/13/25 | 02/13/25 | |
| | | | TCLP Pesticide | 8081B | | 02/13/25 | 02/17/25 | |

Hit Summary Sheet
 SW-846

SDG No.: Q1352

Order ID: Q1352

Client: Weston Solutions

Project ID: Ft Meade Tipton Airfield Parcel RI - P

| 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: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/13/25 |
| Client Sample ID: | PB166700TB | SDG No.: | Q1352 |
| Lab Sample ID: | PB166700TB | 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 |
| PS029163.D | 1 | 02/13/25 10:15 | 02/13/25 20:12 | PB166713 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|-------------------|-------------------|-------|-----------|----------|------|------------|----------|
| TARGETS | | | | | | | |
| 94-75-7 | 2,4-D | 15.0 | U | 4.90 | 15.0 | 20.0 | ug/L |
| 93-72-1 | 2,4,5-TP (Silvex) | 15.0 | U | 4.50 | 15.0 | 20.0 | ug/L |
| SURROGATES | | | | | | | |
| 19719-28-9 | 2,4-DCAA | 504 | | 32 - 138 | | 101% | SPK: 500 |

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >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: | 02/10/25 | | | |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/11/25 | | | |
| Client Sample ID: | TAP-IDW-SOIL-021025 | SDG No.: | Q1352 | | | |
| Lab Sample ID: | Q1352-02 | 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 |
| PS029165.D | 1 | 02/13/25 10:15 | 02/13/25 21:00 | PB166713 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|-------------------|-------------------|-------|-----------|----------|------|------------|----------|
| TARGETS | | | | | | | |
| 94-75-7 | 2,4-D | 15.0 | U | 4.90 | 15.0 | 20.0 | ug/L |
| 93-72-1 | 2,4,5-TP (Silvex) | 15.0 | U | 4.50 | 15.0 | 20.0 | ug/L |
| SURROGATES | | | | | | | |
| 19719-28-9 | 2,4-DCAA | 521 | | 32 - 138 | | 104% | SPK: 500 |

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >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

| | |
|---------------------------------|---|
| OrderID: Q1352 | OrderDate: 2/11/2025 11:32:00 AM |
| Client: Weston Solutions | Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169 |
| Contact: Nathan Fretz | Location: N51 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------------------|--------|----------------|--------|-------------|-----------|-----------|----------|
| Q1352-01 | TAP-IDW-SOIL-02102 5 | SOIL | | | 02/10/25 | | | 02/11/25 |
| | | | PCB | 8082A | | 02/12/25 | 02/12/25 | |
| Q1352-02 | TAP-IDW-SOIL-02102 5 | TCLP | | | 02/10/25 | | | 02/11/25 |
| | | | TCLP Herbicide | 8151A | | 02/13/25 | 02/13/25 | |



SAMPLE DATA

Report of Analysis

| | | | |
|-------------------|---|-----------------|----------|
| Client: | Weston Solutions | Date Collected: | 02/10/25 |
| Project: | Fort Meade MD Tipton Airfield Parcel RI - 0111169 | Date Received: | 02/11/25 |
| Client Sample ID: | TAP-IDW-SOIL-021025 | SDG No.: | Q1352 |
| Lab Sample ID: | Q1352-02 | 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 | 02/13/25 12:05 | 02/17/25 13:15 | SW6010 | SW3050 |
| 7440-39-3 | Barium | 812 | | 1 | 62.8 | 125 | 500 | ug/L | 02/13/25 12:05 | 02/17/25 13:15 | SW6010 | SW3050 |
| 7440-43-9 | Cadmium | 7.50 | U | 1 | 0.94 | 7.50 | 30.0 | ug/L | 02/13/25 12:05 | 02/17/25 13:15 | SW6010 | SW3050 |
| 7440-47-3 | Chromium | 24.9 | J | 1 | 6.60 | 25.0 | 50.0 | ug/L | 02/13/25 12:05 | 02/17/25 13:15 | SW6010 | SW3050 |
| 7439-92-1 | Lead | 48.0 | U | 1 | 35.1 | 48.0 | 60.0 | ug/L | 02/13/25 12:05 | 02/17/25 13:15 | SW6010 | SW3050 |
| 7439-97-6 | Mercury | 1.60 | UN | 1 | 0.81 | 1.60 | 2.00 | ug/L | 02/13/25 11:25 | 02/14/25 11:24 | SW7470A | |
| 7782-49-2 | Selenium | 80.0 | U | 1 | 58.8 | 80.0 | 100 | ug/L | 02/13/25 12:05 | 02/17/25 13:15 | SW6010 | SW3050 |
| 7440-22-4 | Silver | 25.0 | U | 1 | 5.80 | 25.0 | 50.0 | ug/L | 02/13/25 12:05 | 02/17/25 13:15 | 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

| | |
|---------------------------------|---|
| OrderID: Q1352 | OrderDate: 2/11/2025 11:32:00 AM |
| Client: Weston Solutions | Project: Fort Meade MD Tipton Airfield Parcel RI - 0111169 |
| Contact: Nathan Fretz | Location: N51 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------------------|--------|-----------------|--------|-------------|-----------|-----------|----------|
| Q1352-02 | TAP-IDW-SOIL-02102 5 | TCLP | | | 02/10/25 | | | 02/11/25 |
| | | | TCLP ICP Metals | 6010D | | 02/13/25 | 02/17/25 | |
| | | | TCLP Mercury | 7470A | | 02/13/25 | 02/14/25 | |



SAMPLE DATA

Report of Analysis

| | | | |
|-------------------|---|-----------------|----------------|
| Client: | Weston Solutions | Date Collected: | 02/10/25 13:40 |
| Project: | Ft Meade Tipton Airfield Parcel RI - PO 0111169 | Date Received: | 02/11/25 |
| Client Sample ID: | TAP-IDW-SOIL-021025 | SDG No.: | Q1352 |
| Lab Sample ID: | Q1352-01 | Matrix: | SOIL |
| | | % Solid: | 74.7 |

| Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|--------------|-------|------|----|-------|------|------------|-------------------|----------------|----------------|----------|
| Cyanide | 0.25 | U | 1 | 0.056 | 0.25 | 0.32 | mg/Kg | 02/11/25 14:40 | 02/11/25 16:51 | 9012B |
| Ignitability | NO | | 1 | 0 | 0 | 0 | oC | | 02/12/25 10:15 | 1030 |
| pH | 10.1 | H | 1 | 0 | 0 | 0 | pH | | 02/12/25 08:45 | 9045D |
| Sulfide | 4.27 | J | 1 | 2.48 | 6.67 | 13.3 | mg/Kg | 02/12/25 09:10 | 02/12/25 12:36 | 9034 |

Comments: pH result reported at temperature 20.4 °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

LAB CHRONICLE

| | |
|---------------------------------|---|
| OrderID: Q1352 | OrderDate: 2/11/2025 11:32:00 AM |
| Client: Weston Solutions | Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169 |
| Contact: Nathan Fretz | Location: N51 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------------------|--------|--------------|--------|-------------------|-----------|-------------------|----------|
| Q1352-01 | TAP-IDW-SOIL-02102 5 | SOIL | | | 02/10/25 13:40 | | | 02/11/25 |
| | | | Cyanide | 9012B | | 02/11/25 | 02/11/25 16:51 | |
| | | | Ignitability | 1030 | | | 02/12/25 10:15 | |
| | | | pH | 9045D | | | 02/12/25 08:45 | |
| | | | Sulfide | 9034 | | 02/12/25 | 02/12/25 12:36 | |



SHIPPING DOCUMENTS



| |
|----------------------|
| Weston COC ID |
| Weston_20250210_1440 |

Chain of Custody Record/Lab Work Request

| | | | |
|-------------------------|-----------------------------------|----------|--------------|
| 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 Hamington | | |

| | | | |
|----------------------|---|---------------------|----------------------------------|
| Project Name: | Fort Meade RI | Project POC: | Nathan Fretz |
| PO Number: | 0111169 | 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 6010D/7470A | TCLP Pesticides by EPA 8061B | TCLP Herbicides by EPA 8151A | Total Sulfide by EPA 9034 | Total Cyanide by EPA 9012B | PCB by EPA 8082A | Ignitability by EPA 1030 | pH by EPA 9045D | | |
| | Container Type: | Encore | Glass | Glass | Glass | Glass | Glass | Glass | Glass | Glass | | |
| Container Size: | 25g | 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 | Ice to 0-6 | Ice to 0-6 | Ice to 0-6 | 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 | Analyses Requested | | | | | | | | | | Special Instructions/Comments |
|----|--|-----|--------|-------------|--------|----------------|----------------|--------------------|---|---|---|---|---|---|---|---|---|-------------------------------|
| 1 | TAP-IDW-SOIL-021025 TAP-IDW-SOIL-021025 | c | DS | 16 | no | 2/10/2025 | 13:40 | X | X | X | X | X | X | X | X | X | X | |
| 2 | CA | | | 77/2 | | | | | | | | | | | | | | |
| 3 | | | | 10 Feb 2025 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | |

| FedEx Shipping Airbill Number: 7719 9075 4644 | | | | | Cooler Number: 1 of 1 | | | | |
|---|-----------|------|-------------|------|-----------------------|--|--|--|--|
| Relinquished By | Date | Time | Received By | Date | Time | Additional Comments | | | |
| 1) [Signature] | 10 Feb 25 | 1800 | yg | 3.1 | 2/11/2025 | QSM 6.0 Compliant | | | |
| 2) | | | | | 9:10 | Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD | | | |
| 3) | | | | | | | | | |

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 |