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

DATA PACKAGE

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

PROJECT NAME : FT MEADE TIPTON AIRFIELD PARCEL RI - PO 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : P5380

ATTENTION : Nathan Fretz

Laboratory Certification ID # 20012

Table Of Contents for P5380

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Cover Page

Order ID : P5380

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

Client : Weston Solutions

Lab Sample Number	Client Sample Number
P5380-01	TAPIAL3-IDW-SOIL-122024-T1
P5380-02	TAPIAL3-IDW-SOIL-122024-T1

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 : N. N. Pandya

APPROVED
Date: 1/9/2025
By Nimisha Pandya, QA/QC Supervisor at 12:19 pm, Jan 09, 2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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 # P5380
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/21/2024.

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_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.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

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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

$$\frac{(A_x)(I_s)(Df)}{(Ais)(RRF)(V0)}$$

Where,
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in nanograms (ng)
RRF = Relative response factor of the initial calibration curve standard.
Vo = 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 N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:20 pm, Jan 09, 2025

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # P5380
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/21/2024.

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 except for WC-SOIL-20241219MS [Nitrobenzene-d5 - 130%], WC-SOIL-20241219MSD [Nitrobenzene-d5 - 127%], as per method two surrogates are allowed to failed, no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {P5362-02MS} with File ID: BF141050.D recoveries met the requirements for all compounds except for 2,4-Dinitrotoluene[132%], due to Matrix interference no corrective action is required.

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 % RSD is greater than 20% in the Initial Calibration (8270-BF122624.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.

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The Continuous Calibration File ID BF141047.D met the requirements except for 2,4-Dinitrotoluene, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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 <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. Concentration of Water Sample:

$$\text{Concentration ug/L} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(RRF)\,(Vo)\,(Vi)}$$

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 = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout

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 12:20 pm, Jan 09, 2025

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # P5380
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/21/2024.

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.

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F. Calculation for Concentration in Water Samples:

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 = $\frac{Vin}{Vout}$ = 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.

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By Nimisha Pandya, QA/QC Supervisor at 12:20 pm, Jan 09, 2025

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # P5380
Test Name: PCB

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/21/2024.

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_O. 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 AU-06-122024MS [Decachlorobiphenyl(1) - 55%], AU-06-122024MSD [Decachlorobiphenyl(1) - 59%] as per method one surrogate is allowed to failed, therefore no corrective action was taken.

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

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F. Calculation for Concentration in Soil samples:

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 onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%Moisture}{100}$

GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)

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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By Nimisha Pandya, QA/QC Supervisor at 12:20 pm, Jan 09, 2025

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # P5380
Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/21/2024.

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 #: 11324The 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 except for WC-SOIL-20241219MS [2,4-DCAA(1) - 143%], WC-SOIL-20241219MSD [2,4-DCAA(1) - 143%] Due to matrix interference. TAPIAL3-IDW-SOIL-122024-T1 [2,4-DCAA(1) - 159%], TAPIAL3-IDW-SOIL-122024-T1RE [2 and4-DCAA(1) - 172%] All the failure samples in surrogates were reanalyzed to confirm the results as per method and reported in the data.

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 .

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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
$GPC = \frac{Vin}{Vout}$ = 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 N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:20 pm, Jan 09, 2025

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # P5380
Test Name: TCLP Mercury,TCLP ICP Metals

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/21/2024.

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 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 (MOO-24-00395-96MS) analysis met criteria for all samples except for Barium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (MOO-24-00395-96MSD) analysis met criteria for all samples except for Barium due to Chemical interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

Calculation for ICP-AES TCLP Water Sample:

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

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = Final digestion volume (mL)
Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

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Signature N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:21 pm, Jan 09, 2025

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # P5380
Test Name: pH,Cyanide,Sulfide,Ignitability

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/21/2024.

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 TAPIAL3-IDW-SOIL-122024-T1 of pH as sample receive 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:

Calculation for CN Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg:

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF / 1000$$

Where,

C = Instrument response in µg/L CN from the calibration curve.
Vf = Final prepared (absorbing solution) volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

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Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:21 pm, Jan 09, 2025

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

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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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5380**

	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 Castody	✓
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:** **01/09/2025**

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P5380

Client: Weston Solutions

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TAPIAL3-IDW-SOIL-122024-T1**								
P5380-02	TAPIAL3-IDW-SO	TCLP	Chloroform	2.30	J	0.26	0.50	5.00	ug/L
			Total Voc :	2.30					
			Total Concentration:	2.30					

SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085334.D	1		12/27/24 18:42	VN122724

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	2.50	U	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	2.30	J	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	56.2		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	54.8		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	142000	8.224				
540-36-3	1,4-Difluorobenzene	270000	9.1				
3114-55-4	Chlorobenzene-d5	246000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	98000	13.788				

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

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

LAB CHRONICLE

OrderID:	P5380	**OrderDate:**	12/23/2024 9:50:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-02	**TAPIAL3-IDW-SOIL-122024-T1**	**TCLP**			**12/20/24**			**12/21/24**
			TCLP VOA	8260D			12/27/24	

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Hit Summary Sheet
SW-846

SDG No.: P5380

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	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
BF141028.D	1	12/27/24 10:25	12/30/24 13:29	PB165894

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	122		19 - 119		82%	SPK: 150
13127-88-3	Phenol-d6	110		10 - 130		73%	SPK: 150
4165-60-0	Nitrobenzene-d5	115		44 - 120		115%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.7		44 - 119		93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166		43 - 140		111%	SPK: 150
1718-51-0	Terphenyl-d14	90.7		50 - 134		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	253000	6.828				
1146-65-2	Naphthalene-d8	1010000	8.104				
15067-26-2	Acenaphthene-d10	541000	9.857				
1517-22-2	Phenanthrene-d10	938000	11.345				
1719-03-5	Chrysene-d12	714000	13.98				
1520-96-3	Perylene-d12	542000	15.445				

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Report of Analysis

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Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	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
BF141028.D	1	12/27/24 10:25	12/30/24 13:29	PB165894

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
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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/27/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/27/24
Client Sample ID:	PB165858TB	SDG No.:	P5380
Lab Sample ID:	PB165858TB	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
BF141022.D	1	12/27/24 10:25	12/30/24 10:43	PB165894

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	142		19 - 119		95%	SPK: 150
13127-88-3	Phenol-d6	138		10 - 130		92%	SPK: 150
4165-60-0	Nitrobenzene-d5	118		44 - 120		118%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.4		44 - 119		99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	169		43 - 140		113%	SPK: 150
1718-51-0	Terphenyl-d14	94.1		50 - 134		94%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	261000	6.828				
1146-65-2	Naphthalene-d8	1040000	8.11				
15067-26-2	Acenaphthene-d10	558000	9.857				
1517-22-2	Phenanthrene-d10	953000	11.345				
1719-03-5	Chrysene-d12	719000	13.986				
1520-96-3	Perylene-d12	571000	15.451				

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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/27/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/27/24
Client Sample ID:	PB165858TB	SDG No.:	P5380
Lab Sample ID:	PB165858TB	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
BF141022.D	1	12/27/24 10:25	12/30/24 10:43	PB165894

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

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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	P5380	**OrderDate:**	12/23/2024 9:50:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-02	**TAPIAL3-IDW-SOIL-122024-T1**	**TCLP**			**12/20/24**			**12/21/24**
			TCLP BNA	8270E		12/27/24	12/30/24	

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Hit Summary Sheet
SW-846

SDG No.: P5380 **Order ID:** P5380

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

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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	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
PL093552.D	1	12/27/24 11:00	12/27/24 17:54	PB165895

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	16.1		30 - 135		81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		44 - 124		82%	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/27/24
Client Sample ID:	PB165858TB	SDG No.:	P5380
Lab Sample ID:	PB165858TB	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
PL093548.D	1	12/27/24 11:00	12/27/24 17:00	PB165895

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	23.0		30 - 135		115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		44 - 124		102%	SPK: 20

Comments:

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LAB CHRONICLE

OrderID:	P5380	**OrderDate:**	12/23/2024 9:50:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-01	**TAPIAL3-IDW-SOIL-122024-T1**	**SOIL**			**12/20/24**			**12/21/24**
			PCB	8082A		12/26/24	12/26/24	
P5380-02	**TAPIAL3-IDW-SOIL-122024-T1**	**TCLP**			**12/20/24**			**12/21/24**
			TCLP Pesticide	8081B		12/27/24	12/27/24	

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Hit Summary Sheet
SW-846

SDG No.: P5380 **Order ID:** P5380

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.06 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
PO108769.D	1	12/26/24 08:30	12/26/24 14:10	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.60	U	3.90	9.60	19.7	ug/kg
11104-28-2	Aroclor-1221	15.0	U	7.40	15.0	19.7	ug/kg
11141-16-5	Aroclor-1232	15.0	U	3.90	15.0	19.7	ug/kg
53469-21-9	Aroclor-1242	9.60	U	3.90	9.60	19.7	ug/kg
12672-29-6	Aroclor-1248	15.0	U	9.10	15.0	19.7	ug/kg
11097-69-1	Aroclor-1254	15.0	U	3.20	15.0	19.7	ug/kg
37324-23-5	Aroclor-1262	9.60	U	5.30	9.60	19.7	ug/kg
11100-14-4	Aroclor-1268	15.0	U	4.00	15.0	19.7	ug/kg
11096-82-5	Aroclor-1260	9.60	U	3.40	9.60	19.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.5		44 - 130		102%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		60 - 125		80%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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LAB CHRONICLE

OrderID:	P5380	**OrderDate:**	12/23/2024 9:50:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-01	**TAPIAL3-IDW-SOIL-122024-T1**	**SOIL**			**12/20/24**			**12/21/24**
			PCB	8082A		12/26/24	12/26/24	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P5380 **Order ID:** P5380

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

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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	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
PS028844.D	1	12/27/24 10:20	12/27/24 23:32	PB165896

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	796	*	32 - 138		159%	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

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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1RE	SDG No.:	P5380
Lab Sample ID:	P5380-02RE	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
PS028850.D	1	12/27/24 10:20	12/30/24 10:50	PB165896

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	860	*	32 - 138		172%	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

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Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/27/24
Client Sample ID:	PB165858TB	SDG No.:	P5380
Lab Sample ID:	PB165858TB	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
PS028863.D	1	12/27/24 10:20	12/31/24 11:52	PB165896

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	634		32 - 138		127%	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

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LAB CHRONICLE

OrderID:	P5380	**OrderDate:**	12/23/2024 9:50:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-01	**TAPIAL3-IDW-SOIL-122024-T1**	**SOIL**			**12/20/24**			**12/21/24**
			PCB	8082A		12/26/24	12/26/24	
P5380-02	**TAPIAL3-IDW-SOIL-122024-T1**	**TCLP**			**12/20/24**			**12/21/24**
			TCLP Herbicide	8151A		12/27/24	12/27/24	
			TCLP Pesticide	8081B		12/27/24	12/27/24	
P5380-02RE	**TAPIAL3-IDW-SOIL-122024-T1RE**	**TCLP**			**12/20/24**			**12/21/24**
			TCLP Herbicide	8151A		12/27/24	12/30/24	

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Hit Summary Sheet
SW-846

SDG No.: P5380 **Order ID:** P5380

Client: Weston Solutions **Project ID:** Ft Meade Tipton Airfield Parcel RI - PO 01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TAPIAL3-IDW-SOIL-122024-T1									
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	TCLP	Barium	366	J	62.8	125	500	ug/L
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	TCLP	Chromium	25.4	J	6.60	25.0	50.0	ug/L
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	TCLP	Lead	150		35.1	48.0	60.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	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	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7440-39-3	Barium	366	JN	1	62.8	125	500	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7440-43-9	Cadmium	7.50	U	1	0.94	7.50	30.0	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7440-47-3	Chromium	25.4	J	1	6.60	25.0	50.0	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7439-92-1	Lead	150		1	35.1	48.0	60.0	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7439-97-6	Mercury	1.60	U	1	0.81	1.60	2.00	ug/L	12/30/24 11:50	12/30/24 14:51	SW7470A	
7782-49-2	Selenium	80.0	U	1	58.8	80.0	100	ug/L	12/27/24 09:30	12/30/24 16:33	SW6010	SW3050
7440-22-4	Silver	25.0	U	1	5.80	25.0	50.0	ug/L	12/27/24 09:30	12/30/24 16:33	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

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LAB CHRONICLE

OrderID:	P5380	**OrderDate:**	12/23/2024 9:50:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-02	**TAPIAL3-IDW-SOIL-122024-T1**	**TCLP**			**12/20/24**			**12/21/24**
			TCLP ICP Metals	6010D		12/27/24	12/30/24	
			TCLP Mercury	7470A		12/30/24	12/30/24	

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24 14:15
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-01	Matrix:	SOIL
		% Solid:	86.3

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.23	U	1	0.049	0.23	0.28	mg/Kg	12/31/24 08:50	12/31/24 12:38	9012B
Ignitability	NO		1	0	0	0	oC		12/27/24 08:30	1030
pH	10.5	H	1	0	0	0	pH		12/27/24 09:55	9045D
Sulfide	3.70	J	1	2.15	5.77	11.5	mg/Kg	12/30/24 08:45	12/30/24 13:26	9034

Comments: pH result reported at temperature 20.2 °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

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

LAB CHRONICLE

OrderID:	P5380	**OrderDate:**	12/23/2024 9:50:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-01	**TAPIAL3-IDW-SOIL-1 22024-T1**	**SOIL**			**12/20/24 14:15**			**12/21/24**
			Cyanide	9012B		12/31/24	12/31/24 12:38	
			Ignitability	1030			12/27/24 08:30	
			pH	9045D			12/27/24 09:55	
			Sulfide	9034		12/30/24	12/30/24 13:26	

SHIPPING DOCUMENTS

P5380

12
12.1

Weston COC ID
Weston_20241220

Chain of Custody Record/Lab Work Request

Page 1 of 1

WESTON SOLUTIONS

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	0111169	Phone:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	7	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes
SB- Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
O - Oil
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 8081B	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	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 dec	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													Special Instructions/Comments
1	TAPIAL3-IDW-Soil-122024-T1	c	DS	6	no	12/20/2024	14:15	X	X	X	X	X	X	X	X	X	X			expedited 7 day TAT
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number(s):

Cooler Number: 1 of 1

	Relinquished By	Date	Time	Received By	Date	Time	Additional Comments
1.)	[signature]	12/20/24	18:00	[signature]	12/21/24	11:00	QSM 6.0 Compliant
2.)						2-3°C	Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD
3.)							

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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