

## **ANALYTICAL RESULTS SUMMARY**

GENERAL CHEMISTRY

**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 : Q1570**

**ATTENTION : Nathan Fretz**



**Laboratory Certification ID # 20012**



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## Cover Page

**Order ID :** Q1570

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

**Client :** Weston Solutions

**Lab Sample Number**

Q1570-01  
Q1570-02

**Client Sample Number**

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

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

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

Date: 3/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

## **CASE NARRATIVE**

### **Weston Solutions**

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

**Project # N/A**

**Chemtech Project # Q1570**

**Test Name: Reactive Cyanide, Reactive Sulfide**

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

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

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Reactive Cyanide and Reactive Sulfide. This data package contains results for Reactive Cyanide, Reactive Sulfide.

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

The analysis of Reactive Cyanide was based on method 9012B and The analysis of Reactive Sulfide was based on method 9034.

### **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 Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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

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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:

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

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1570

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: SOHIL JODHANI

Date: 03/19/2025



# SAMPLE DATA

## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25 10:20
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-01	SDG No.:	Q1570
Lab Sample ID:	Q1570-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Reactive Cyanide	0.13	U	1	0.044	0.13	0.25	mg/Kg	03/14/25 13:50	03/14/25 15:50	9012B
Reactive Sulfide	4.73	J	1	0.20	5.00	10.0	mg/Kg	03/17/25 15:20	03/18/25 11:53	9034

Comments: \_\_\_\_\_

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



## Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25 10:50
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-02	SDG No.:	Q1570
Lab Sample ID:	Q1570-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Reactive Cyanide	0.12	U	1	0.043	0.12	0.25	mg/Kg	03/14/25 13:50	03/14/25 15:50	9012B
Reactive Sulfide	1.59	J	1	0.20	5.00	10.0	mg/Kg	03/17/25 15:20	03/18/25 11:56	9034

Comments: \_\_\_\_\_

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements  
H = Sample Analysis Out Of Hold Time

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N =Spiked sample recovery not within control limits

## LAB CHRONICLE

<b>OrderID:</b>	Q1570	<b>OrderDate:</b>	3/14/2025 10:45:00 AM
<b>Client:</b>	Weston Solutions	<b>Project:</b>	Fort Meade MD Tipton Airfield Parcel RI - 0111169
<b>Contact:</b>	Nathan Fretz	<b>Location:</b>	I33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1570-01	TAP-IDW-SOIL-03132 5-01	SOIL			03/13/25 10:20			03/14/25
			Reactive Cyanide	9012B		03/14/25	03/14/25 15:50	
			Reactive Sulfide	9034		03/17/25	03/18/25 11:53	
Q1570-02	TAP-IDW-SOIL-03132 5-02	SOIL			03/13/25 10:50			03/14/25
			Reactive Cyanide	9012B		03/14/25	03/14/25 15:50	
			Reactive Sulfide	9034		03/17/25	03/18/25 11:56	



# SHIPPING DOCUMENTS

Weston COC ID
Weston_20250313_1208

## Chain of Custody Record/Lab Work Request

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

Project Name:	Fort Meade RI	Project POC:	Nathan Fretz
PO Number	0111169	Phone:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH-ALS Middletown	Lab POC:	Jessica Smith
TAT (days):	21	Lab Phone:	908-728-3147
Lab Address:	301 Fulling Mill Road, Middletown, PA 17057		

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:	Reactive Sulfide by EPA 9034	Reactive Cyanide by EPA9012B																
	Container Type:	Glass	Glass															
	Container Size:	8 oz	8 oz															
	Preservative:	Ice to 0 6 deg	Ice to															

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

Shipping Airbill Number:		772696013376				Cooler Number:		1 of 1	
Relinquished By	Date	Time	Received By	Date	Time	Additional Comments			
1.) <i>Chyn Hgt</i>	3/13/25	1305	<i>[Signature]</i>	3/14/25	1000	*SAMPLES TO BE ANALYZED BY ALS MIDDLETOWN*			
2.)						QSM 6.0 Compliant			
3.)						Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD			

### 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