

DATA PACKAGE

METALS

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

PROJECT # : P4988

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : P4988

ATTENTION : Nathan Fretz



Cover Page

Order ID : P4988

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

Client : Weston Solutions

Lab Sample Number

P4988-01
P4988-02

Client Sample Number

TAPIAL1-SB04D-9-112224-00-T1
TAPIAL1-SB04D-4-112224-00-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 : _____

Date: 12/6/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



GEOLAB

• **NEW JERSEY**
1017 GREELEY AVE SOUTH
UNION, NJ 07083
908.964.0786

• **SOUTH CAROLINA**
49 BROWNS COVE ROAD SUITE 6
RIDGELAND, SC 29936
848.316.9950

Letter of Transmittal

Date: 12-5-24

Job No.: 889

Lab Log: 24-3906

Attention: Yazmeen
Alliance Technical Group
284 Sheffield Street
Mountainside, NJ 07092

CC: Jordan Hedvat, projectmanagers@chemtech.net

Re: P4988 – Ft Meade Tipton Airfield Parcel RI – PO 0111169

Sample(s) ID: **TAPIALI-SB04D-9-112224-00-T**

Dear Yazmeen,

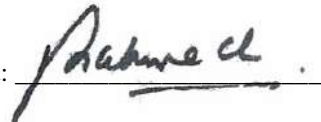
Please find attached results for the samples referenced above. The following lab testing was performed:

- ASTM D422 Sieve & Hydrometer Analysis
- ASTM D4318 Atterberg Limits (verify NP)
- ASTM D7263 Density

Regards,
RSA Geolab, LLC

Remarks: If you have any questions, please call 908-964-0786.

Signed: _____


Dr. Raza S. Ahmed
President RSA Geolab, LLC

<https://www.rsageolab.com/>
email: rsa@rsageolab.com

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RIDGELAND, SC 29936
848.316.9950

Letter of Transmittal

Date: 12-5-24

Job No.: 889

Lab Log: 24-3910

Attention: Yazmeen
Alliance Technical Group
284 Sheffield Street
Mountainside, NJ 07092

CC: Jordan Hedvat, projectmanagers@chemtech.net

Re: P4988 – Ft Meade Tipton Airfield Parcel RI – PO 0111169

Sample(s) ID: **TAPIAL1-SB04D-4-112224-00-T**

Dear Yazmeen,

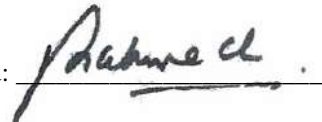
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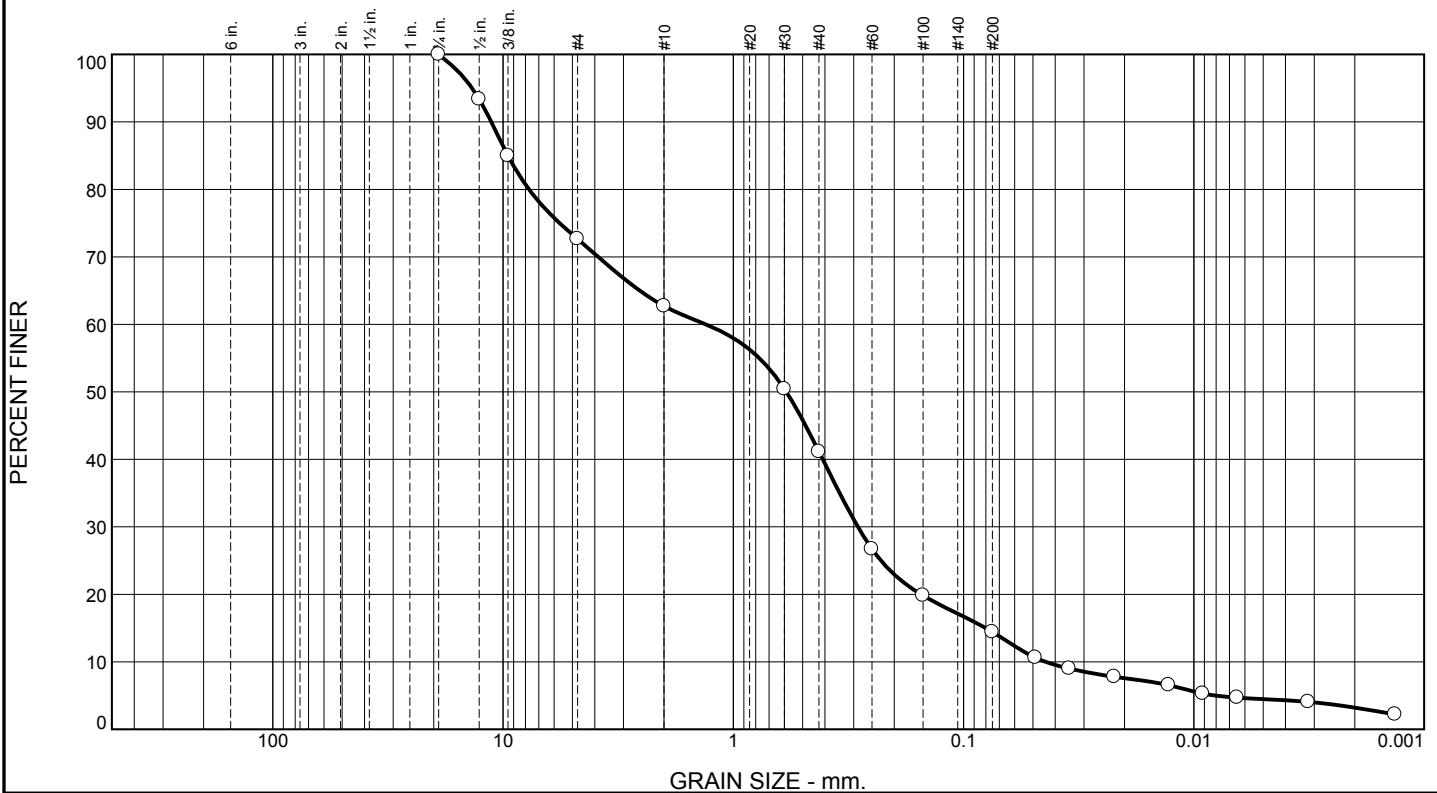

Dr. Raza S. Ahmed
President RSA Geolab, LLC

<https://www.rsageolab.com/>
email: rsa@rsageolab.com

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	27.3	10.0	21.6	26.7	9.9	4.5

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75	100.0		
.5	93.4		
.375	85.0		
#4	72.7		
#10	62.7		
#30	50.4		
#40	41.1		
#60	26.7		
#100	19.8		
#200	14.4		

* (no specification provided)

Location: TAPIALI-SB04D-9-112224-00-T

Date: 12-5-24

Material Description
Yellowish Brown silty sand with gravel

Atterberg Limits
 PL= NP LL= NV PI= NP

Coefficients
 D₉₀= 11.2600 D₈₅= 9.5306 D₆₀= 1.3184
 D₅₀= 0.5889 D₃₀= 0.2879 D₁₅= 0.0802
 D₁₀= 0.0441 C_u= 29.88 C_c= 1.42

Classification
 USCS= SM AASHTO= A-1-b

Remarks

RSA Geolab

Union, New Jersey

Client: Alliance Technical Group

Project: P4988 - Ft Meade Tipton Airfield Parcel RI - PO 0111169

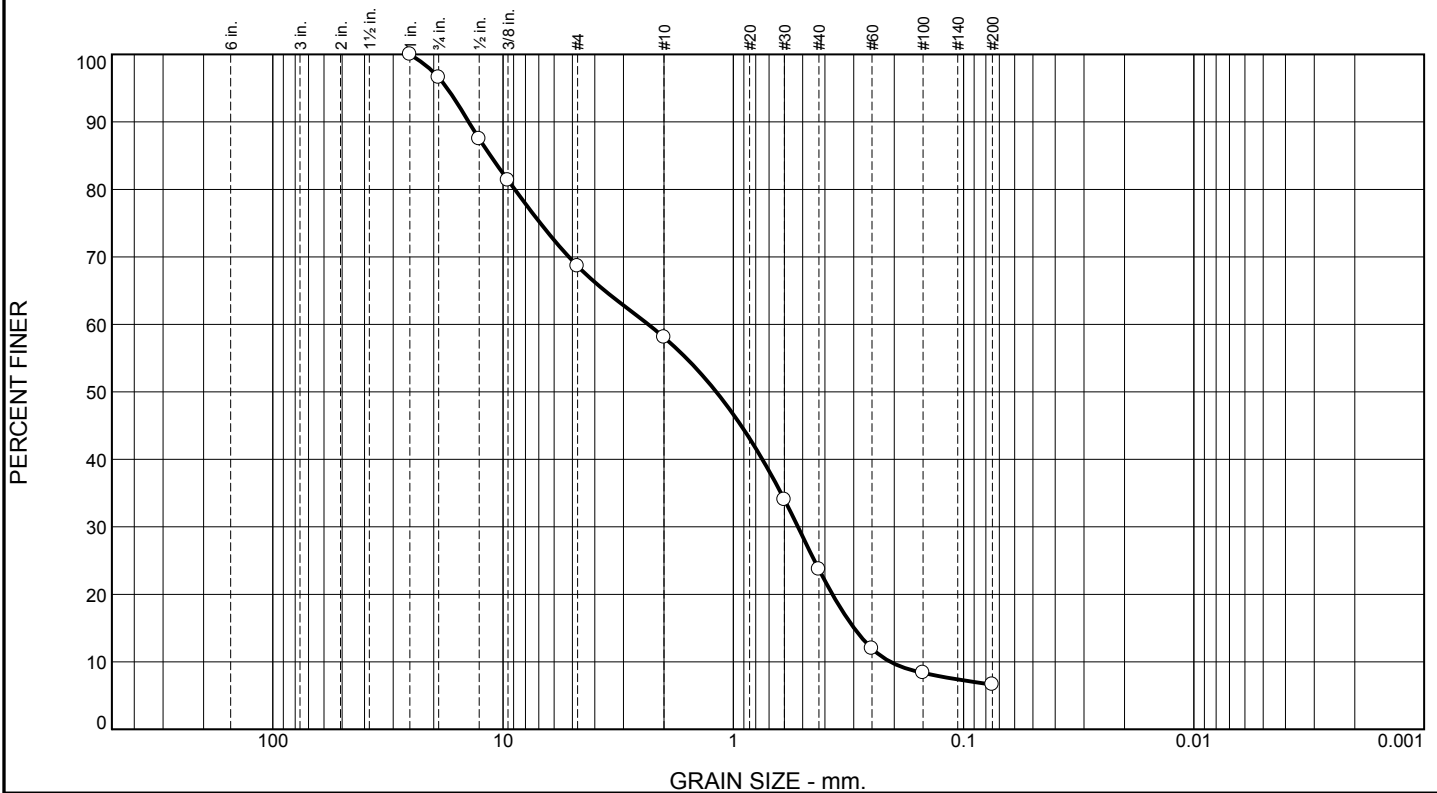
Project No: 889

Figure

Tested By: JK

Checked By: KP

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	3.4	28.0	10.5	34.4	17.1	6.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1	100.0		
.75	96.6		
.5	87.5		
.375	81.4		
#4	68.6		
#10	58.1		
#30	34.0		
#40	23.7		
#60	12.0		
#100	8.4		
#200	6.6		

* (no specification provided)

Location: TAPIAL1-SB04D-4-112224-00-T

Date: 12-5-24

Material Description		
Dark Yellowish Brown poorly graded sand with silt and gravel		
<div> <div> Atterberg Limits PL= NP LL= NV PI= NP </div> <div> Coefficients D₉₀= 14.1014 D₈₅= 11.3548 D₆₀= 2.3429 D₅₀= 1.1862 D₃₀= 0.5243 D₁₅= 0.2991 D₁₀= 0.2080 C_u= 11.27 C_c= 0.56 </div> <div> Classification USCS= SP-SM AASHTO= A-1-b </div> <div> Remarks </div> </div>		

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Union, New Jersey

Client: Alliance Technical Group

Project: P4988 - Ft Meade Tipton Airfield Parcel RI - PO 0111169

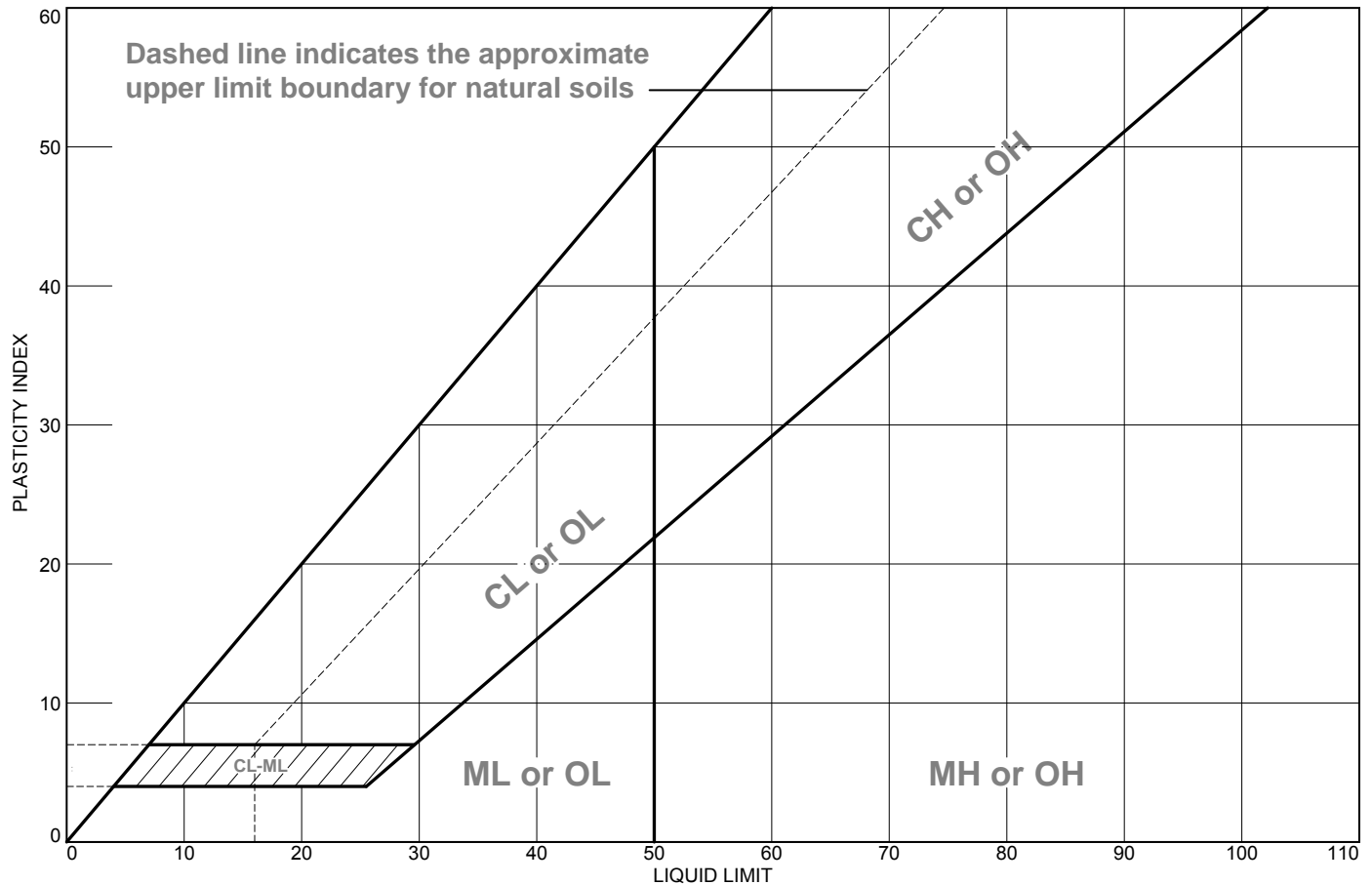
Project No: 889

Figure

Tested By: JK

Checked By: KP

LIQUID AND PLASTIC LIMITS TEST REPORT

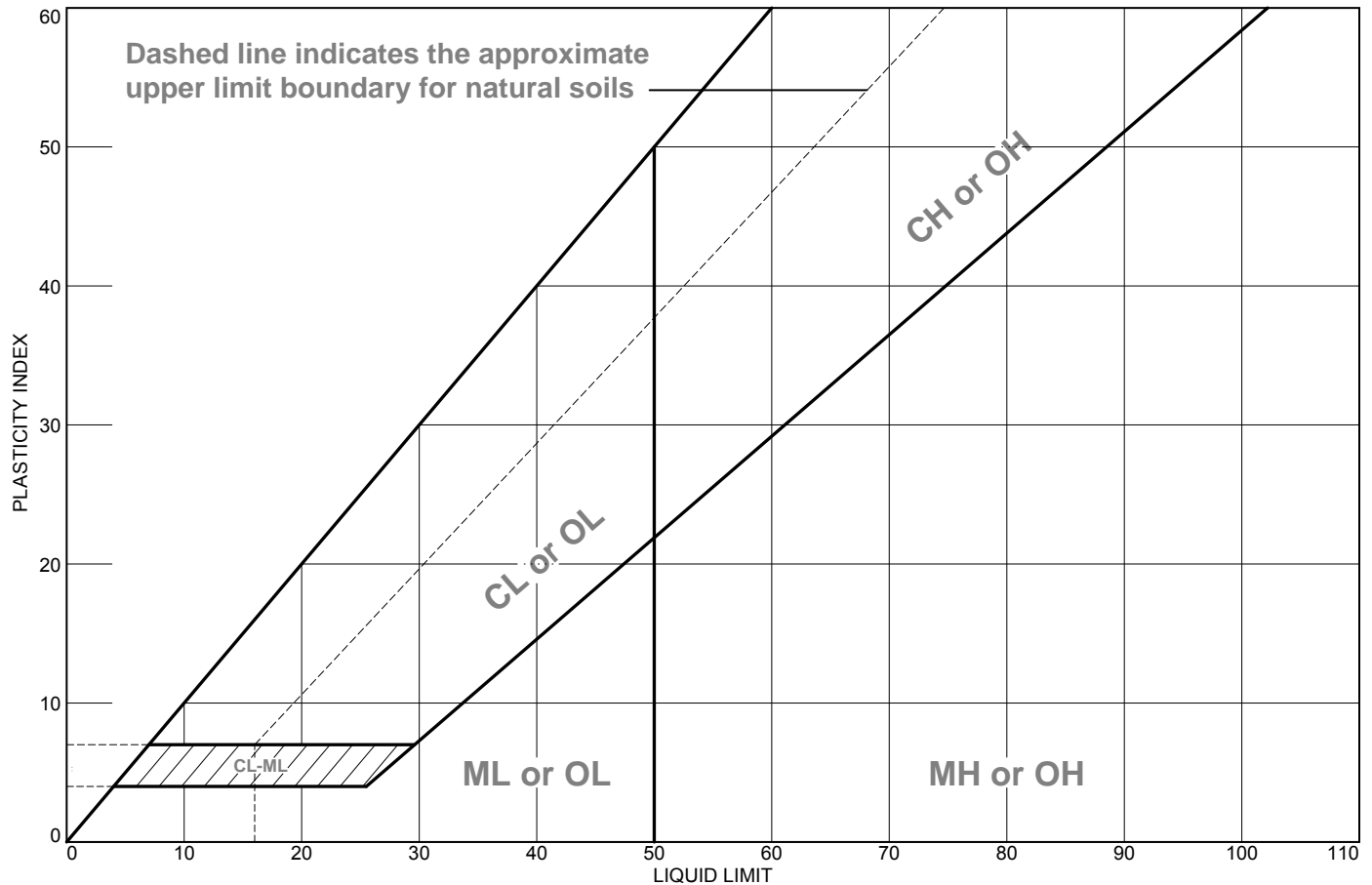


	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Yellowish Brown silty sand with gravel	NV	NP	NP	41.1	14.4	SM

Project No. 889 Client: Alliance Technical Group Project: P4988 - Ft Meade Tipton Airfield Parcel RI - PO 0111169 Location: TAPIALI-SB04D-9-112224-00-T	Remarks: ●12-5-24
RSA Geolab Union, New Jersey	Figure

Tested By: JK Checked By: KP

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Dark Yellowish Brown poorly graded sand with silt and gravel	NV	NP	NP	23.7	6.6	SP-SM

Project No. 889 Client: Alliance Technical Group Project: P4988 - Ft Meade Tipton Airfield Parcel RI - PO 0111169 ●Location: TAPIAL1-SB04D-4-112224-00-T	Remarks: ●12-5-24
RSA Geolab Union, New Jersey	Figure

Tested By: JK Checked By: KP



1017 Greeley Ave N
Union, NJ 07083
908-964-0786
www.RSAGeolab.com

DENSITY TEST
ASTM D7263

Project: FT Meade Tipton Airfield Parcel RI - PO 0111169
Order ID: P4988
Client: Alliance Technical Group

L#24-3906
Project #: 889
Date: 12/4/2024

1	Sample	Height (in)	Dry Weight (gms)	Unit Weight at S-1 (pcf)
	TAPIAL1-SB04D-9-112224-00-T	3.18	414.89	119.82

Remarks: 1. Jar samples. Unable to take exact measurements. Data may not be representative of the in-situ conditions.
2. S-1 = Assumed 100% Saturation.
3. Specific Gravity Assumed.

Tested by: VS

Entered by: KH

Checked by: KP



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Union, NJ 07083
908-964-0786
www.RSAGeolab.com

DENSITY TEST
ASTM D7263

Project: FT Meade Tipton Airfield Parcel RI - PO 0111169
Order ID: P4988
Client: Alliance Technical Group

L#24-3910
Project #: 889
Date: 12/5/2024

1	Sample	Height (in)	Dry Weight (gms)	Unit Weight at S-1 (pcf)
	TAPIAL1-SB04D-4-112224-00-T	2.89	324.25	111.84

Remarks: 1. Jar samples. Unable to take exact measurements. Data may not be representative of the in-situ conditions.
2. S-1 = Assumed 100% Saturation.
3. Specific Gravity Assumed.

Tested by: VS

Entered by: KH

Checked by: KP

P4988



Weston COC ID
Weston_20241122_1439

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:	484-624-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	Chemtech - RSA Geolab	Lab POC:	Jordan Hedvat
TAT (days):	21	Lab Phone:	908-728-3148
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:	Attenberg & plasticity by ASTM D4318	Bulk density by ASTM D6683	Grain size by ASTM D6913+D7928															
	Container Type:	Glass	Glass	Glass														
	Container Size:	8 oz	8 oz	8 oz														
	Preservative:	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	TAPIAL1-SB04D-9-112224-00-T1	g	SB		no	11/22/2024	11:35	X	X	X									BD & GS in bag not jars 11/22
2	TAPIAL1-SB04I-4-112224-00-T1	g	SB		no	11/22/2024	12:50	X	X										BD in bag not jars 11/22
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Shipping Airbill Number: 7761 6148 1829						Cooler Number: 1 of 1		
Relinquished By	Date	Time	Received By	Date	Time	Additional Comments		
1.) Michael B. B.	11/22/24	1620	Dem	11/23/24	10:00	Samples to be sent to RSA Geolab for analysis QSM 6.0 Compliant		
2.)					1:31 ^C	Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD		
3.)								