

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 : N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 8:56 am, Dec 06, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



GEOLAB

• **NEW JERSEY**
1017 GREELEY AVE SOUTH
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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,

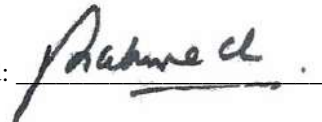
Please find attached results for the samples referenced above. The following lab testing was performed:

- 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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• **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: 24-3910

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,

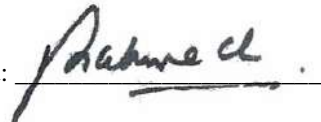
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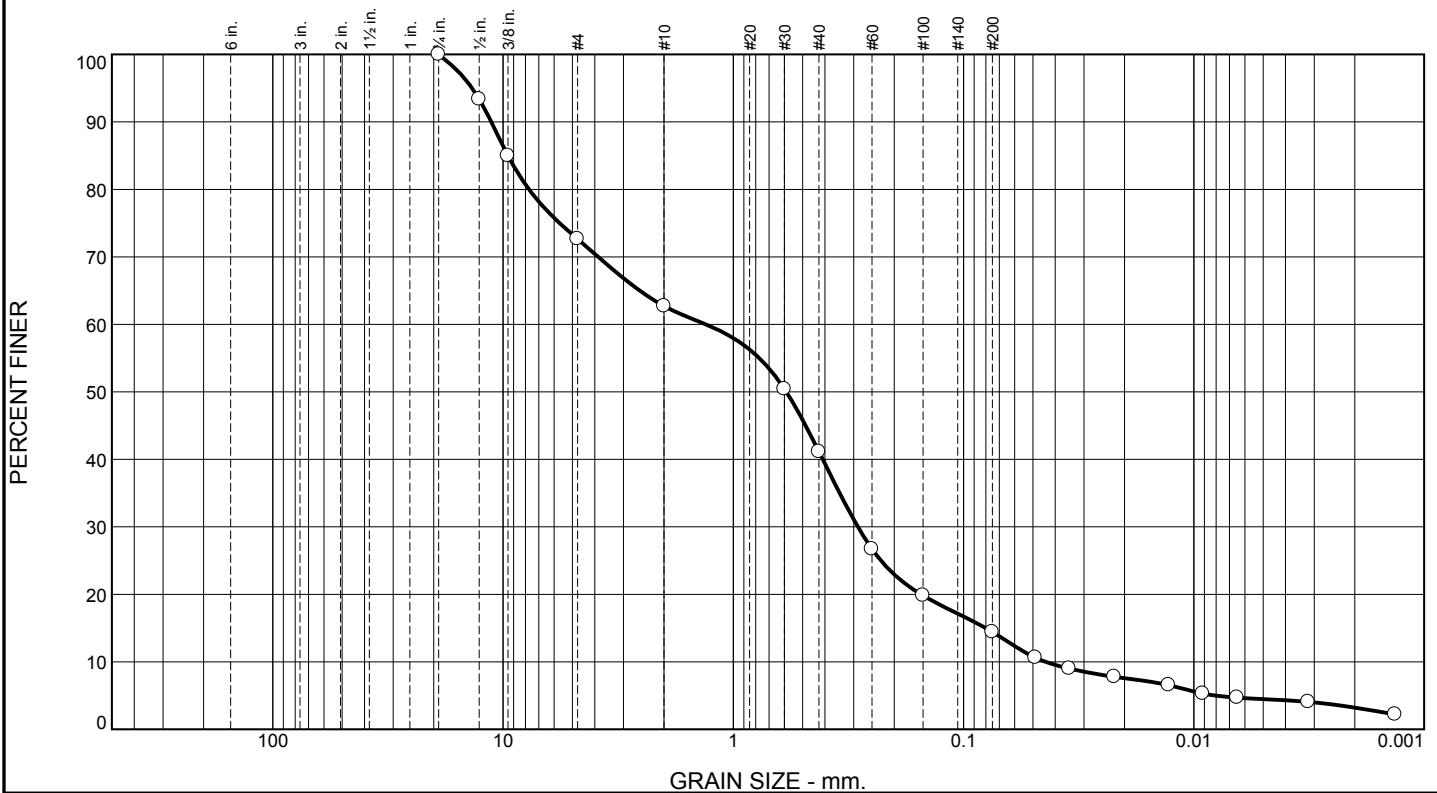

Dr. Raza S. Ahmed
President RSA Geolab, LLC

<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

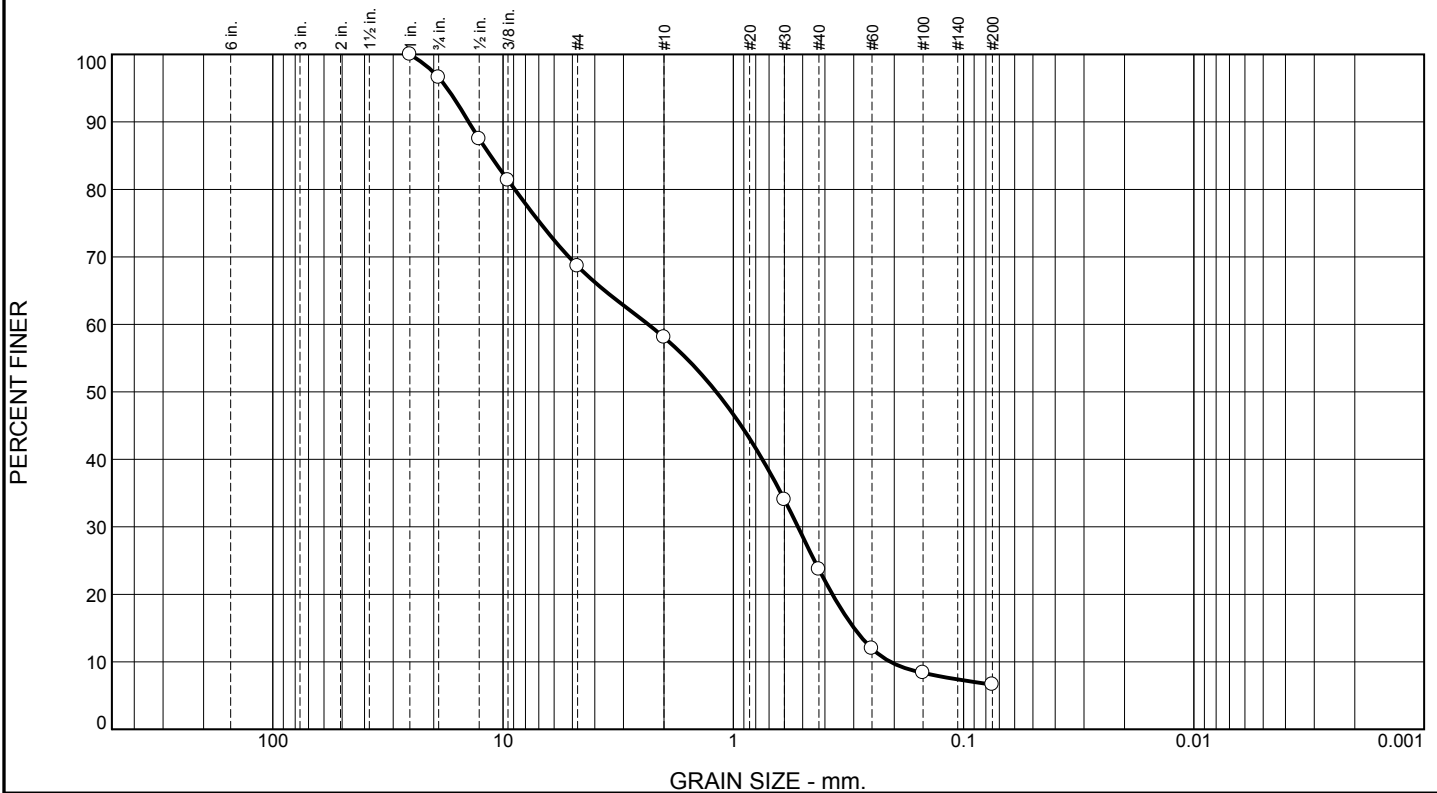
Project No: 889

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)

Material Description
Dark Yellowish Brown poorly graded sand with silt and gravel

Atterberg Limits
 PL= NP LL= NV PI= NP

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

Classification
 USCS= SP-SM AASHTO= A-1-b

Remarks

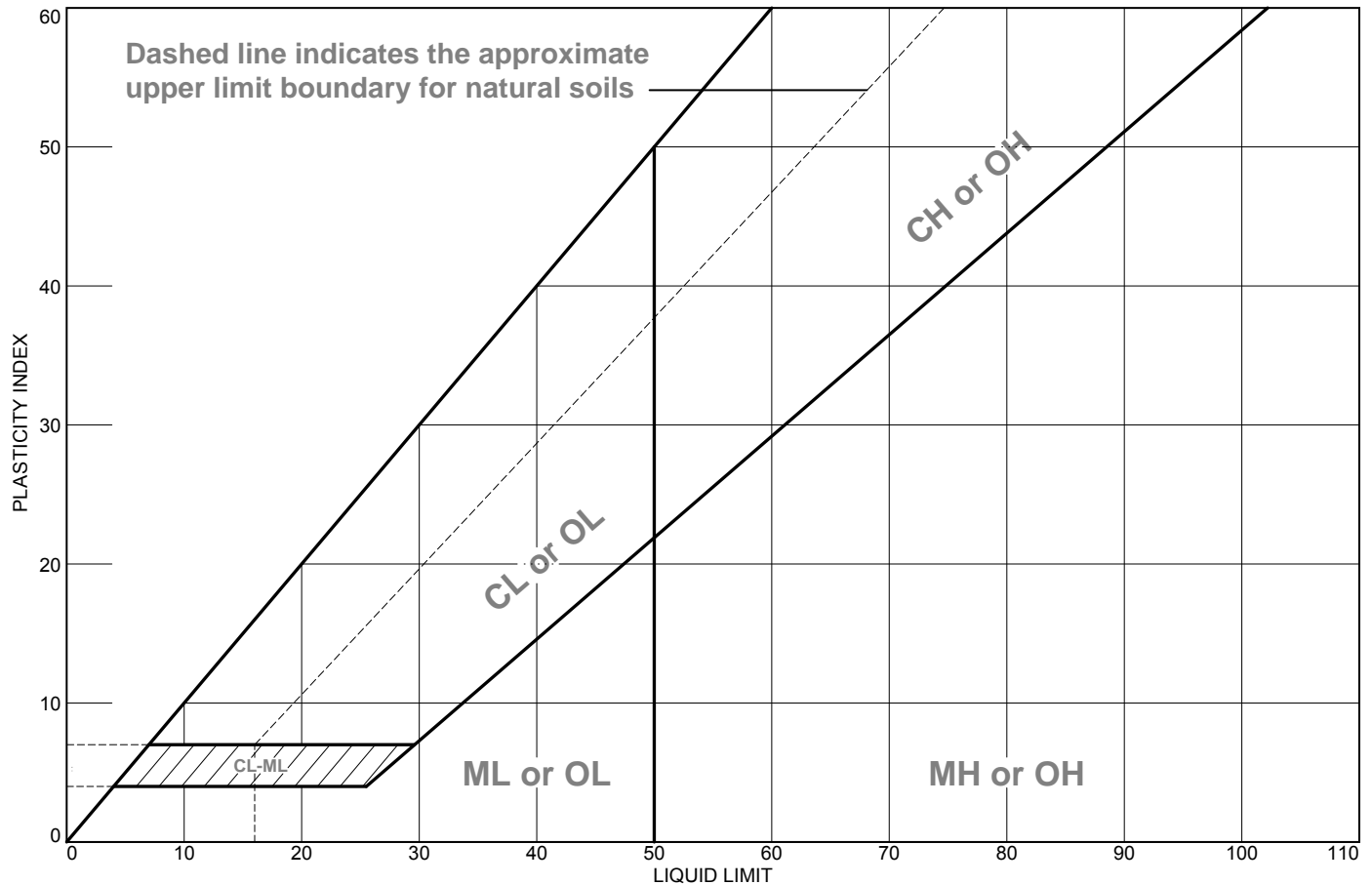
Location: TAPIAL1-SB04D-4-112224-00-T

Date: 12-5-24

| | |
|---|--|
| 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

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

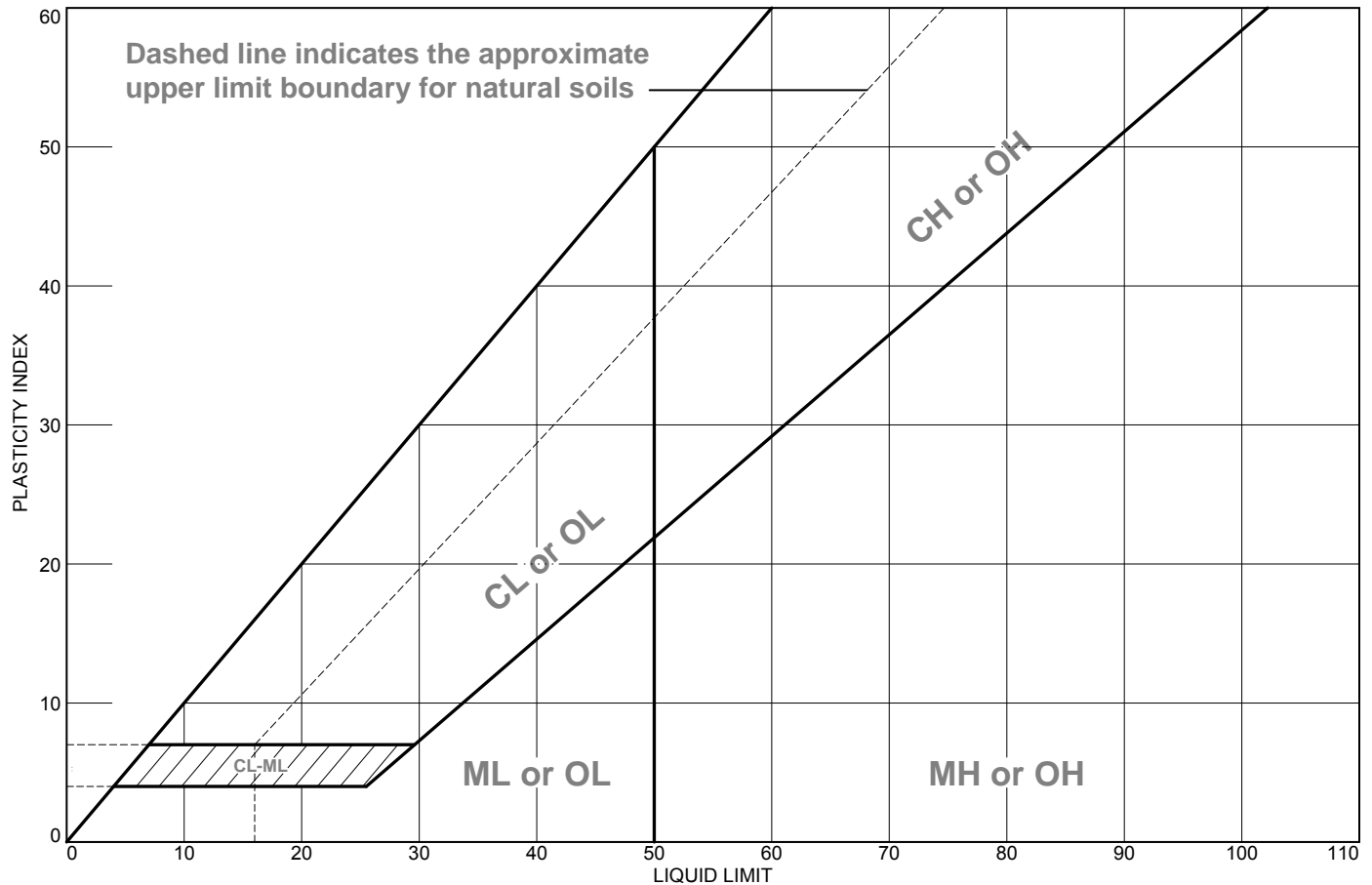
RSA Geolab

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



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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) |
|---|-----------------------------|-------------|------------------|--------------------------|
| | | | | |
| 1 | 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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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

| Sample | Height (in) | Dry Weight (gms) | Unit Weight at S-1 (pcf) |
|-------------------------------|-------------|------------------|--------------------------|
| 1 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 |
|------|---|----|---|

| | | | |
|-------------------------|-----------------------------------|-----------------|--------------|
| 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 | | |
| M. R. R. | 11/22/24 | 1620 | Dem | 11/22/24 | 10:00 | Samples to be sent to RSA Geolab for analysis QSM 6.0 Compliant | | |
| 2.) | | | | | 1:30 | Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD | | |
| 3.) | | | | | | | | |