DATA PACKAGE

SUB - DATA

PROJECT NAME : REAC - 83150.1.029.08ME.A.LPV818.0800

TECHLAW CONSULTANTS, INC

14840 Conference Center Dr.

Suite #200

Chantily, VA - 20151

Phone No: 703-818-3205

ORDER ID :   Q1999

ATTENTION :   Jim Burden

Cover Page

Order ID :   Q1999

Project ID :   REAC - 83150.1.029.08ME.A.LPV818.0800

Client :   TechLaw Consultants, Inc

Lab Sample Number	Client Sample Number
Q1999-01	ERT-279

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: 5/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

RSA 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: 5-16-25   Job No.: 889   Lab Log: 25-4166

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

CC: Jordan Hedvat, projectmanagers@chemtech.net

Re: Q1999 – REAC-83150.1.029.08ME.A.LPV818.0800

Sample(s) ID: **ERT-279**

Dear Yazmeen,

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

- ASTM D422   Sieve Analysis
- ASTM D7263   Bulk Density

Regards,
RSA Geolab, LLC

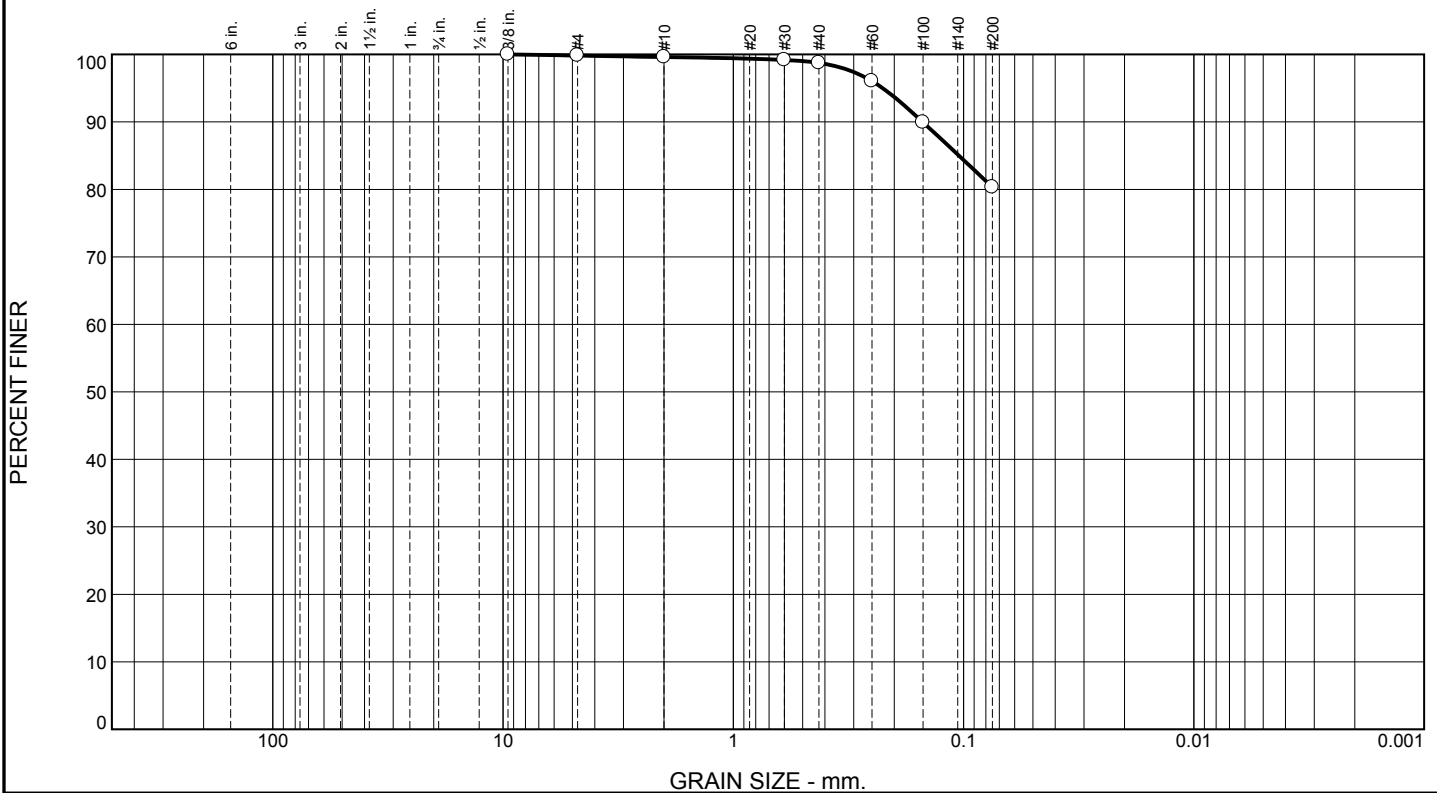Remarks: If you have any questions, please call 908-964-0786.

Signed: _____

          Dr. Raza S. Ahmed
          President RSA Geolab, LLC

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

Particle Size Distribution Report

% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.2	0.2	0.9	18.4	80.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.8		
#10	99.6		
#30	99.2		
#40	98.7		
#60	96.0		
#100	89.9		
#200	80.3		

* (no specification provided)

Material Description

Dark Grayish Brown

Atterberg Limits

PL=   LL=   PI=

Coefficients

D_{90}= 0.1507 D_{85}= 0.1048 D_{60}=
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS=   AASHTO=

Remarks

Sample Number: ERT-279

Date: 5-16-25

RSA Geolab

Union, New Jersey

Client: Alliance Technical Group
Project: Q1999 - REAC-83150.1.029.08ME.A.LPV818.0800

Project No: 889   **Figure**

Tested By: OH   **Checked By:** KP

RSA GEOLAB

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

DENSITY TEST
ASTM D7263

Project: REAC - 83150.1.029.08ME.A.LPV818.0800   **L#25-4166**
Order ID: Q1999   Project #: 889
Client: Alliance Technical Group   Date: 5/16/2025

	Sample	Height (in)	Dry Weight (gms)	Unit Weight at S-1 (pcf)
1	ERT-273	6.90	10516	120.01
2	ERT-274	3.40	5054	118.59
3	ERT-275	8.20	14140	127.60
4	ERT-276	5.00	6650	112.66
5	ERT-277	5.30	9198	128.02
6	ERT-278	6.40	11568	130.74
7	ERT-279	7.10	9300	111.90

Remarks: 1. Bucket 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**

EM\NY-GL\DENSITY\L#25-4166 - Alliance (Unit Weights)

Q1999

USEPA / REAC

CHAIN OF CUSTODY RECORD

No: 8-050825-093843-0020

DateShipped: 5/8/2025

Site #: MTD986073252

Cooler #: 5

CarrierName: FedEx

Contact Name: Jean Bolduc

Lab: CHEMTECH

Project Code: TechLaw REAC

Contact Phone: 949-321-4280

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	ERT-279	DL-14	20' - 22'	Bulk Density & Grain Size	Soil	5/7/2025	10:10	1	2-Gallon Bucket	None	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL/ANALYSIS	EPA /ERT	5/8/2025 09:50		10:18 5/9/25	If.Gun # 1 19.6
					Custody Seal Intact
					No temp Blank
					Adjust factor + 1" cf