

DATA PACKAGE

SUB - DATA

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM

605 3rd Avenue

29th Floor

New York, NY - 10158

Phone No: 212-973-2900

ORDER ID : Q3379

ATTENTION : Rob Forstner



Cover Page

Order ID : Q3379

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number

Q3379-01
Q3379-02
Q3379-03
Q3379-04
Q3379-05

Client Sample Number

PR132-S05-057082-20251016
PR132-DP01-20251016
PR132-COMP2-20251016
PR132-S12-047072-20251016
PR132-S12-020047-20251016

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: 11/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



New Jersey
1012 Greeley Ave N
Union, NJ 07083
908-964-0786

South Carolina
49 Browns Cove Road, Suite 6
Ridgeland, SC 29936
843-816-9950

Letter of Transmittal

Date: 11-4-25

Job No.: 937

Lab Log: 25-4690

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

CC: Jordan Hedvat, projectmanagers@chemtech.net

Re: Q3379 – AE1-CTY 3.2.Z-PR-DOCK-Des-ODC – 6069795-1

Sample(s) ID: **PR132-S02 thru PR132-S12** (10 Samples)

Dear Yazmeen,

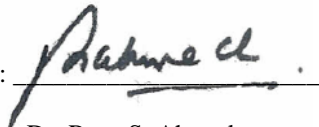
Please find attached results for the samples referenced above. The following lab testing was performed:

- ASTM D422 Sieve & Hydrometer Analysis

Regards,
RSA Geolab, LLC

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

Signed: _____

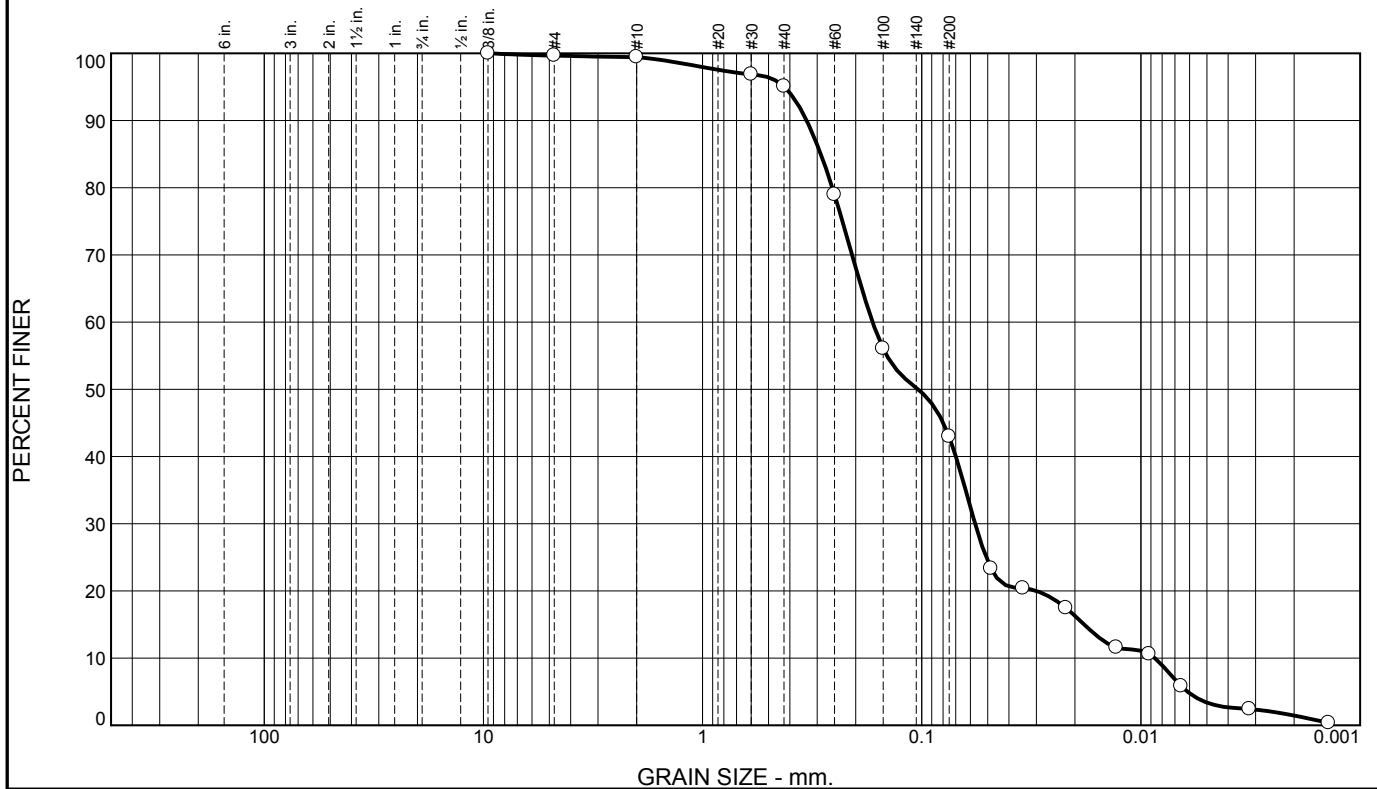

Dr. Raza S. Ahmed
President RSA Geolab, LLC

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

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.3	0.3	4.3	52.1	39.6	3.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.7		
#10	99.4		
#30	96.8		
#40	95.1		
#60	78.9		
#100	56.1		
#200	43.0		

* (no specification provided)

Material Description
 Dark Gray

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 0.3352 D₈₅= 0.2888 D₆₀= 0.1676
 D₅₀= 0.1041 D₃₀= 0.0571 D₁₅= 0.0182
 D₁₀= 0.0086 C_u= 19.40 C_c= 2.25

Classification
 USCS= AASHTO=

Remarks

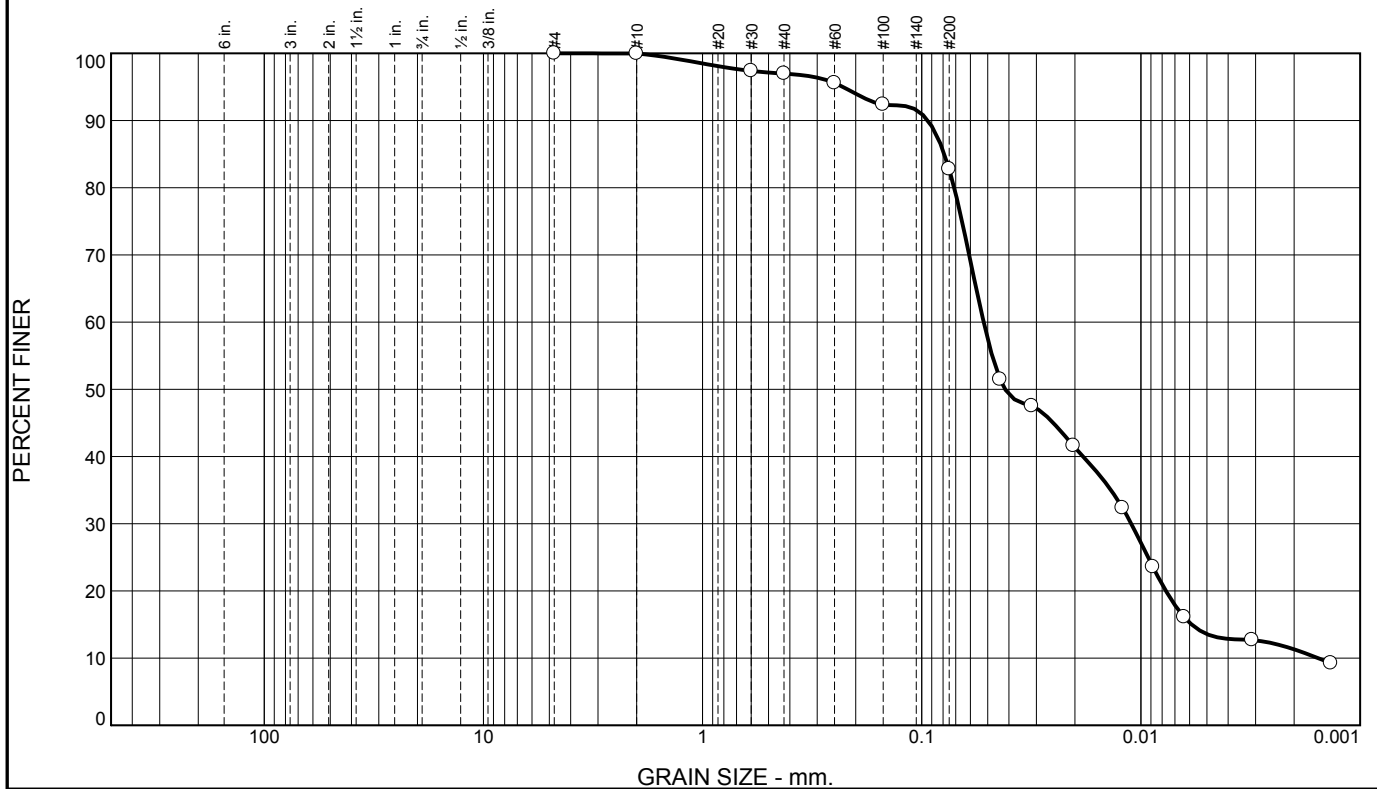
Location: PR132-S12-020047-20251016

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Tested By: OH Checked By: KH

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	3.0	14.2	69.2	13.6

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	100.0		
#30	97.4		
#40	97.0		
#60	95.6		
#100	92.4		
#200	82.8		

* (no specification provided)

Location: PR132-S12-047072-20251016

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description

Dark Gray

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 0.0938 D₈₅= 0.0788 D₆₀= 0.0522
 D₅₀= 0.0416 D₃₀= 0.0111 D₁₅= 0.0059
 D₁₀= 0.0016 C_u= 33.57 C_c= 1.51

Classification

USCS= AASHTO=

Remarks

Tested By: OH Checked By: KH

The graph displays the grain size distribution of a soil sample. The y-axis represents the percentage of soil finer than a given grain size, ranging from 0 to 100. The x-axis represents the grain size in millimeters on a logarithmic scale, ranging from 100 mm down to 0.001 mm. The curve shows that 100% of the soil is finer than 0.075 mm (No. 20 sieve). The distribution is well-graded, with a significant portion of the soil falling between 0.075 mm and 0.0075 mm.

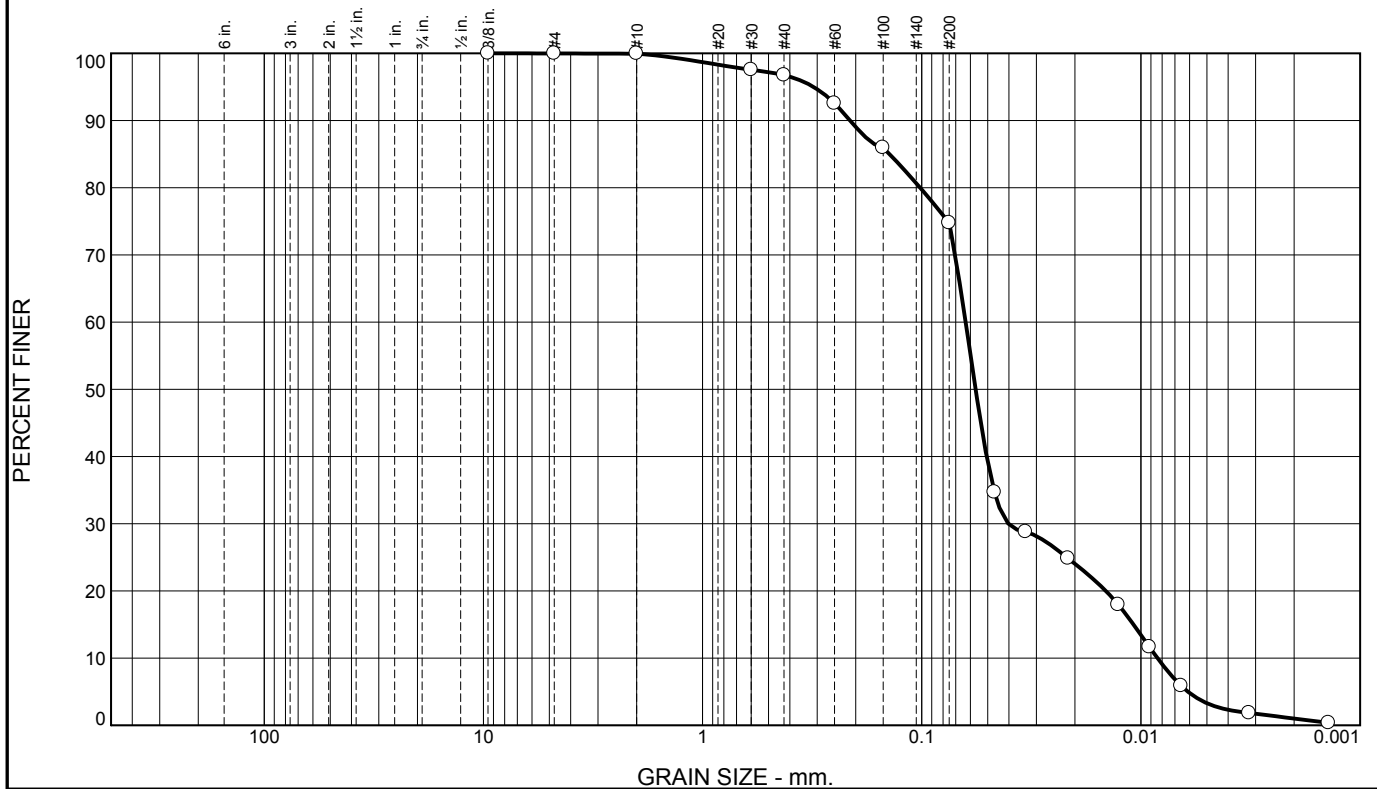
Grain Size (mm)	Percent Finer (%)
100	100
30	100
20	100
15	100
10	100
7.5	100
6	100
4.75	100
4.25	100
3.75	100
3.0	100
2.5	100
2.0	100
1.5	100
1.18	100
1.0	100
0.85	100
0.75	100
0.6	100
0.5	100
0.425	100
0.375	100
0.3	100
0.25	100
0.2	100
0.15	100
0.125	100
0.106	100
0.09	100
0.075	100
0.06	95
0.05	90
0.0425	85
0.0375	75
0.03	60
0.025	55
0.02	50
0.0175	45
0.015	40
0.0125	35
0.0106	25
0.009	20
0.0075	18
0.006	15
0.005	14
0.00425	13
0.00375	12
0.003	11
0.0025	10
0.002	9
0.00175	8
0.0015	7
0.00125	6
0.00106	5
0.0009	4
0.00075	3
0.0006	2
0.0005	1
0.000425	1
0.000375	1
0.0003	1
0.00025	1
0.0002	1
0.000175	1
0.00015	1
0.000125	1
0.000106	1
0.00009	1
0.000075	1
0.00006	1
0.00005	1
0.0000425	1
0.0000375	1
0.00003	1
0.000025	1
0.00002	1
0.0000175	1
0.000015	1
0.0000125	1
0.0000106	1
0.000009	1
0.0000075	1
0.000006	1
0.000005	1
0.00000425	1
0.00000375	1
0.000003	1
0.0000025	1
0.000002	1
0.00000175	1
0.0000015	1
0.00000125	1
0.00000106	1
0.0000009	1
0.00000075	1
0.0000006	1
0.0000005	1
0.000000425	1
0.000000375	1
0.0000003	1
0.00000025	1
0.0000002	1
0.000000175	1
0.00000015	1
0.000000125	1
0.000000106	1
0.00000009	1
0.000000075	1
0.00000006	1
0.00000005	1
0.0000000425	1
0.0000000375	1
0.00000003	1
0.000000025	1
0.00000002	1
0.0000000175	1
0.000000015	1
0.0000000125	1
0.0000000106	1
0.000000009	1
0.0000000075	1
0.000000006	1
0.000000005	1
0.00000000425	1
0.00000000375	1
0.000000003	1
0.0000000025	1
0.000000002	1
0.00000000175	1
0.0000000015	1
0.00000000125	1
0.00000000106	1
0.0000000009	1
0.00000000075	1
0.0000000006	1
0.000000000	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.9		
#10	99.8		
#30	99.1		
#40	98.9		
#60	97.8		
#100	94.8		
#200	84.4		

<p>RSA Geolab</p> <p>Union, New Jersey</p>	<p>Client: Alliance Technical Group</p> <p>Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1</p>
	<p>Project No: 889</p> <p>Figure</p>

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	3.2	21.9	71.5	3.3

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	100.0		
#10	99.9		
#30	97.5		
#40	96.7		
#60	92.5		
#100	85.9		
#200	74.8		

* (no specification provided)

Material Description
 Black

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 0.2126 D₈₅= 0.1405 D₆₀= 0.0631
 D₅₀= 0.0568 D₃₀= 0.0402 D₁₅= 0.0108
 D₁₀= 0.0084 C_u= 7.51 C_c= 3.06

Classification
 USCS= AASHTO=

Remarks

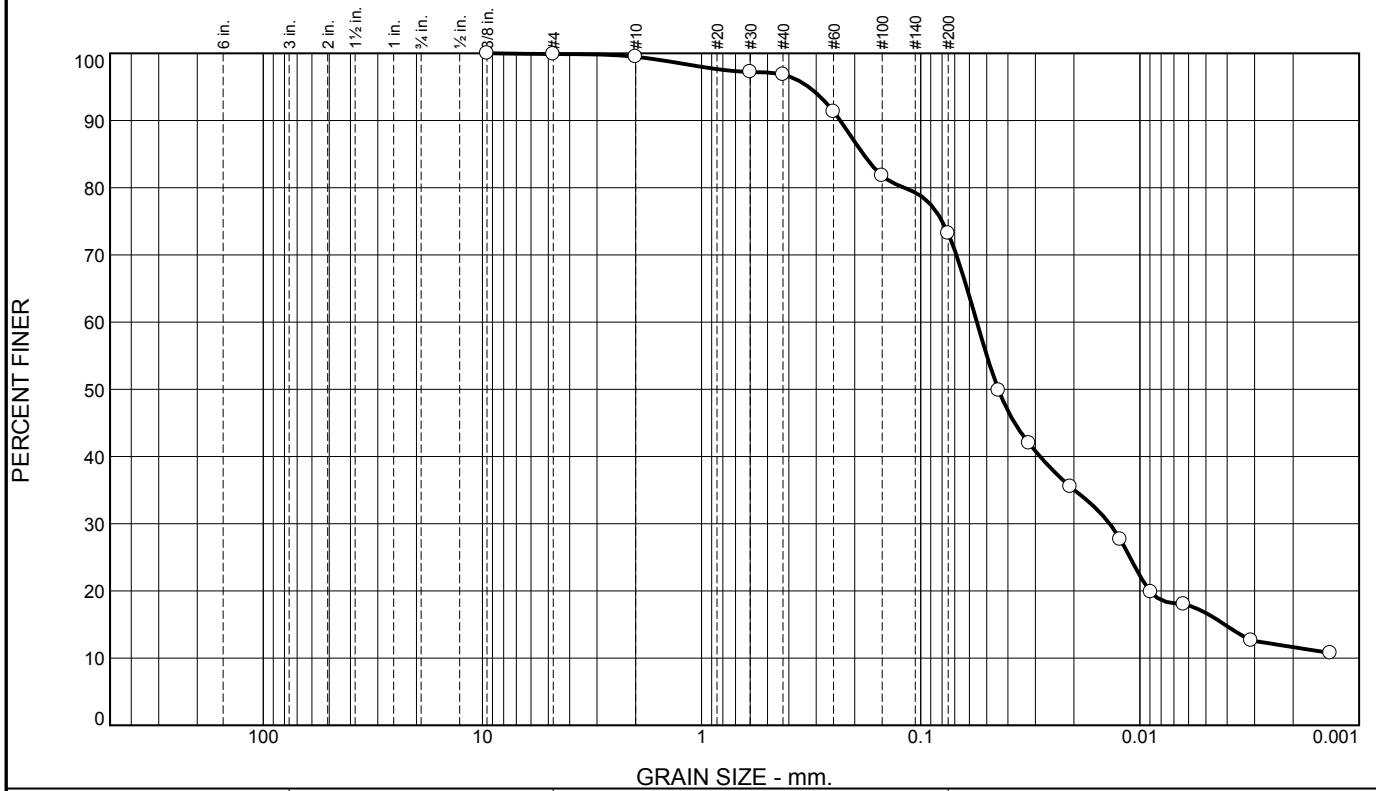
Location: PR132-DP01-20251016

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Tested By: OH Checked By: KH

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.1	0.4	2.7	23.6	56.5	16.7

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.9		
#10	99.5		
#30	97.2		
#40	96.8		
#60	91.3		
#100	81.8		
#200	73.2		

* (no specification provided)

Location: PR132-S05-057082-20251016

Date: 11-4-25

RSA Geolab Union, New Jersey	Client: Alliance Technical Group Project: Q3378 - AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1
	Project No: 889 Figure

Material Description

Dark Gray

Atterberg Limits

PL= LL= PI=

Coefficients

D₉₀= 0.2332 D₈₅= 0.1829 D₆₀= 0.0555
 D₅₀= 0.0443 D₃₀= 0.0137 D₁₅= 0.0041
 D₁₀= C_u= C_c=

Classification

USCS= AASHTO=

Remarks

Tested By: OH Checked By: KH

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

PROJECT NAME: Port Richmond
PROJECT NO.: 60693795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10138
ATTENTION: Rob Forstner PHONE: 212-377-8721

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

SVOCs
Pesticides - TCL
Micro Metals
DBP's / Hexachlor
Dioxins
Gram Size
TAC
VOCs

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										Math	Specify Preservatives	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9			
1.	PR132-S05-057082-20251016	S		X	10/16	1035	11	X	X	X	X	X	X	X	X				
2.	PR132-DP01-20251016	S		X	10/16	1050	11	X	X	X	X	X	X	X	X				
3.	PR132-COMP2-20251016	S	X		10/16	1250	11	X	X	X	X	X	X	X	X				
4.	PR132-S12-047072-20251016	S		X	10/16	1325	11	X	X	X	X	X	X	X	X				
5.	PR132-S12-020047-20251016	S		X	10/16	1315	11	X	X	X	X	X	X	X	X				
6.	PR132-FB01-20251016	A			10/16	1355	1	X	X	X	X	X			X				
7.	Temp Blank	A													X				
8.																			
9.																			
10.																			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Jim Alderson DATE/TIME: 10/16/25 RECEIVED BY: 1. [Signature] 10-16-25
RELINQUISHED BY SAMPLER: 2. [Signature] DATE/TIME: 10-16-25 RECEIVED BY: 2. [Signature]
RELINQUISHED BY SAMPLER: 3. [Signature] DATE/TIME: 10-16-25 RECEIVED BY: 3. [Signature]

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO