284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
DUP08-20250915	Q3127-01	8260-Low	8270-Modified				
RE131D1-20250915	Q3127-02	8260-Low	8270-Modified				
RE131D2-20250915	Q3127-03	8260-Low	8270-Modified				
DUP07-20250915	Q3127-04	8260-Low	8270-Modified				
TT158I1-20250915	Q3127-05	8260-Low	8270-Modified				
TT180D2-20250915	Q3127-06	8260-Low	8270-Modified				
RE135D2-20250915	Q3127-07	8260-Low	8270-Modified				
RE132D6-20250916	Q3127-08	8260-Low	8270-Modified				
TT101D2-20250915	Q3127-09	8260-Low	8270-Modified				
TT101D-20250915	Q3127-10	8260-Low	8270-Modified				
RE135D3-20250915	Q3127-11	8260-Low	8270-Modified				
RE132D7-20250916	Q3127-12	8260-Low	8270-Modified				
TT119S1-20250916	Q3127-13	8260-Low	8270-Modified				
TT101D1-20250915	Q3127-16	8260-Low	8270-Modified				
TB06-20250912	Q3127-17	8260-Low	8270-Modified				
BPOW1-8-20250917	Q3127-18	8260-Low	8270-Modified				
BPOW1-7-20250917	Q3127-19	8260-Low	8270-Modified				

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Q3127-01	Water	09/15/25	09/17/25	09/18/25	09/19/25
Q3127-02	Water	09/15/25	09/17/25	09/18/25	09/19/25
Q3127-03	Water	09/15/25	09/17/25	09/18/25	09/19/25
Q3127-04	Water	09/15/25	09/17/25	09/18/25	09/19/25
Q3127-05	Water	09/15/25	09/17/25	09/18/25	09/20/25
Q3127-06	Water	09/15/25	09/17/25	09/18/25	09/20/25
Q3127-07	Water	09/15/25	09/17/25	09/18/25	09/20/25
Q3127-08	Water	09/16/25	09/17/25	09/18/25	09/20/25
Q3127-09	Water	09/15/25	09/17/25	09/18/25	09/20/25
Q3127-10	Water	09/15/25	09/17/25	09/18/25	09/20/25
Q3127-11	Water	09/15/25	09/17/25	09/18/25	09/20/25
Q3127-12	Water	09/16/25	09/17/25	09/18/25	09/20/25
Q3127-13	Water	09/16/25	09/17/25	09/18/25	09/19/25
Q3127-16	Water	09/15/25	09/17/25	09/18/25	09/20/25
Q3127-18	Water	09/17/25	09/17/25	09/18/25	09/20/25
Q3127-19	Water	09/17/25	09/17/25	09/18/25	09/20/25

*** Details For Test :** SVOC-SIMGroup1

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Q3127-01	Water	09/15/25	09/17/25		09/25/25
Q3127-02	Water	09/15/25	09/17/25		09/24/25
Q3127-03	Water	09/15/25	09/17/25		09/24/25
Q3127-04	Water	09/15/25	09/17/25		09/24/25
Q3127-05	Water	09/15/25	09/17/25		09/24/25
Q3127-06	Water	09/15/25	09/17/25		09/24/25
Q3127-07	Water	09/15/25	09/17/25		09/24/25
Q3127-08	Water	09/16/25	09/17/25		09/24/25
Q3127-09	Water	09/15/25	09/17/25		09/24/25
Q3127-10	Water	09/15/25	09/17/25		09/24/25
Q3127-11	Water	09/15/25	09/17/25		09/25/25
Q3127-12	Water	09/16/25	09/17/25		09/24/25
Q3127-13	Water	09/16/25	09/17/25		09/25/25
Q3127-16	Water	09/15/25	09/17/25		09/24/25
Q3127-17	Water	09/12/25	09/17/25		09/25/25
Q3127-18	Water	09/17/25	09/17/25		09/24/25
Q3127-19	Water	09/17/25	09/17/25		09/25/25

*** Details For Test :** VOCMS Group1

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3127-01	Water	8260-Low	5030		
Q3127-02	Water	8260-Low	5030		
Q3127-03	Water	8260-Low	5030		
Q3127-04	Water	8260-Low	5030		
Q3127-05	Water	8260-Low	5030		
Q3127-06	Water	8260-Low	5030		
Q3127-07	Water	8260-Low	5030		
Q3127-08	Water	8260-Low	5030		
Q3127-09	Water	8260-Low	5030		
Q3127-10	Water	8260-Low	5030		
Q3127-11	Water	8260-Low	5030		
Q3127-12	Water	8260-Low	5030		
Q3127-13	Water	8260-Low	5030		
Q3127-14	Water	8260-Low	5030		
Q3127-15	Water	8260-Low	5030		
Q3127-16	Water	8260-Low	5030		
Q3127-17	Water	8260-Low	5030		
Q3127-18	Water	8260-Low	5030		
Q3127-19	Water	8260-Low	5030		

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q3127-01	Water	8270-Modified	3510C		
Q3127-02	Water	8270-Modified	3510C		
Q3127-03	Water	8270-Modified	3510C		
Q3127-04	Water	8270-Modified	3510C		
Q3127-05	Water	8270-Modified	3510C		
Q3127-06	Water	8270-Modified	3510C		
Q3127-07	Water	8270-Modified	3510C		
Q3127-08	Water	8270-Modified	3510C		
Q3127-09	Water	8270-Modified	3510C		
Q3127-10	Water	8270-Modified	3510C		
Q3127-11	Water	8270-Modified	3510C		
Q3127-12	Water	8270-Modified	3510C		
Q3127-13	Water	8270-Modified	3510C		
Q3127-14	Water	8270-Modified	3510C		
Q3127-15	Water	8270-Modified	3510C		
Q3127-16	Water	8270-Modified	3510C		
Q3127-18	Water	8270-Modified	3510C		
Q3127-19	Water	8270-Modified	3510C		

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Cover Page

Order ID : Q3127

Project ID : NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q3127-01	DUP08-20250915
Q3127-02	RE131D1-20250915
Q3127-03	RE131D2-20250915
Q3127-04	DUP07-20250915
Q3127-05	TT158I1-20250915
Q3127-06	TT180D2-20250915
Q3127-07	RE135D2-20250915
Q3127-08	RE132D6-20250916
Q3127-09	TT101D2-20250915
Q3127-10	TT101D-20250915
Q3127-11	RE135D3-20250915
Q3127-12	RE132D7-20250916
Q3127-13	TT119S1-20250916
Q3127-14	Q3127-13MS
Q3127-15	Q3127-13MSD
Q3127-16	TT101D1-20250915
Q3127-17	TB06-20250912
Q3127-18	BPOW1-8-20250917
Q3127-19	BPOW1-7-20250917

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: 10/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

AECOM Technical Services, Inc.
Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Project # N/A
Order ID # Q3127
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
19 Water samples were received on 09/17/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration method met the requirements.

The Continuous Calibration File ID VX047746.D met the requirements except for Dichlorodifluoromethane is failing high and associate sample having hit of Dichlorodifluoromethane sample was reanalyzed to confirm the failure and reported.

The Continuous Calibration File ID VX047769.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.

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The Continuous Calibration File ID VX047795.D met the requirements except for Dichlorodifluoromethane is failing high and associate sample having hit of Dichlorodifluoromethane but below CRQL while Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.

END CCAL was not analyzed in sequence VX092425 and VX092625 due to power error in laboratory during the night and there are no more vials for re-analysis therefore all samples reported from these sequences without END CCAL.
The Tuning criteria met requirements.

Samples RE131D1-20250915, RE131D2-20250915, DUP07-20250915, TT180D2-20250915, RE132D6-20250916, TT101D2-20250915, RE132D7-20250916 and TT101D1-20250915 were diluted due to high concentrations.

E. Additional Comments:
The not QT review data is reported in the Miscellaneous.
The Sample #TT158I1-20250915, have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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_____

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CASE NARRATIVE

AECOM Technical Services, Inc.
Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Project # N/A
Order ID # Q3127
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
18 Water samples were received on 09/17/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Samples RE131D1-20250915, RE131D2-20250915, DUP07-20250915, RE132D6-20250916 and TT101D1-20250915 were diluted due to high concentrations.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3127

	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 Castody	✓
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:** 10/01/2025