

ANALYTICAL RESULTS SUMMARY

SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : NAVFAC NWIRP BETHPAGE, NY SITE 1 OU-2 - 32258

AECOM TECHNICAL SERVICES, INC.

13640 Briarwick Drive

Austin, TX - 78729

Phone No: 512-454-4797

ORDER ID : Q2329

ATTENTION : Eleanor Vivadou



Laboratory Certification ID # 20012



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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 #)
TT192D1-20250611	Q2329-01	8260-Low	8270-Modified				
TT188S1-20250612	Q2329-02	8260-Low	8270-Modified				
TT119S1-20250612	Q2329-03	8260-Low	8270-Modified				
FB01-20250613	Q2329-04	8260-Low	8270-Modified				
TT162S1-20250613	Q2329-05	8260-Low	8270-Modified				
BPOW6-7-20250613	Q2329-06	8260-Low	8270-Modified				
BPOW6-8-20250613	Q2329-07	8260-Low	8270-Modified				
BPOW6-11-20250613	Q2329-08	8260-Low	8270-Modified				
TT149S1-20250613	Q2329-09	8260-Low	8270-Modified				
TT172S1-20250613	Q2329-10	8260-Low	8270-Modified				
DUP03-20250613	Q2329-13	8260-Low	8270-Modified				
DUP04-20250613	Q2329-14	8260-Low	8270-Modified				
EB01-20250613	Q2329-15	8260-Low	8270-Modified				
TB01-20250612	Q2329-16	8260-Low	8270-Modified				
TB02-20250612	Q2329-17	8260-Low	8270-Modified				
TT163S1-20250613	Q2329-18	8260-Low	8270-Modified				

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
Q2329-01	Water	06/11/25	06/13/25	06/17/25	06/19/25
Q2329-02	Water	06/12/25	06/13/25	06/17/25	06/19/25
Q2329-03	Water	06/12/25	06/13/25	06/17/25	06/19/25
Q2329-04	Water	06/13/25	06/13/25	06/17/25	06/19/25
Q2329-05	Water	06/13/25	06/13/25	06/17/25	06/19/25
Q2329-09	Water	06/13/25	06/13/25	06/17/25	06/19/25
Q2329-10	Water	06/13/25	06/13/25	06/17/25	06/18/25
Q2329-14	Water	06/13/25	06/13/25	06/17/25	06/19/25
Q2329-15	Water	06/13/25	06/13/25	06/17/25	06/19/25
Q2329-18	Water	06/13/25	06/13/25	06/17/25	06/19/25

* Details For Test : SVOC-SIMGroup1

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
Q2329-01	Water	06/11/25	06/13/25		06/17/25
Q2329-02	Water	06/12/25	06/13/25		06/17/25
Q2329-03	Water	06/12/25	06/13/25		06/17/25
Q2329-04	Water	06/13/25	06/13/25		06/18/25
Q2329-05	Water	06/13/25	06/13/25		06/17/25
Q2329-06	Water	06/13/25	06/13/25		06/17/25
Q2329-07	Water	06/13/25	06/13/25		06/18/25
Q2329-08	Water	06/13/25	06/13/25		06/18/25
Q2329-09	Water	06/13/25	06/13/25		06/18/25
Q2329-10	Water	06/13/25	06/13/25		06/19/25
Q2329-13	Water	06/13/25	06/13/25		06/18/25
Q2329-14	Water	06/13/25	06/13/25		06/18/25
Q2329-15	Water	06/13/25	06/13/25		06/19/25
Q2329-16	Water	06/12/25	06/13/25		06/18/25
Q2329-17	Water	06/12/25	06/13/25		06/18/25
Q2329-18	Water	06/13/25	06/13/25		06/18/25

* Details For Test : VOCMS Group1

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
Q2329-01	Water	8260-Low	5030		
Q2329-02	Water	8260-Low	5030		
Q2329-03	Water	8260-Low	5030		
Q2329-04	Water	8260-Low	5030		
Q2329-05	Water	8260-Low	5030		
Q2329-06	Water	8260-Low	5030		
Q2329-07	Water	8260-Low	5030		
Q2329-08	Water	8260-Low	5030		
Q2329-09	Water	8260-Low	5030		
Q2329-10	Water	8260-Low	5030		
Q2329-11	Water	8260-Low	5030		
Q2329-12	Water	8260-Low	5030		
Q2329-13	Water	8260-Low	5030		
Q2329-14	Water	8260-Low	5030		
Q2329-15	Water	8260-Low	5030		
Q2329-16	Water	8260-Low	5030		
Q2329-17	Water	8260-Low	5030		
Q2329-18	Water	8260-Low	5030		

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
Q2329-01	Water	8270-Modified	3510C		
Q2329-02	Water	8270-Modified	3510C		
Q2329-03	Water	8270-Modified	3510C		
Q2329-04	Water	8270-Modified	3510C		
Q2329-05	Water	8270-Modified	3510C		
Q2329-09	Water	8270-Modified	3510C		
Q2329-10	Water	8270-Modified	3510C		
Q2329-11	Water	8270-Modified	3510C		
Q2329-12	Water	8270-Modified	3510C		
Q2329-14	Water	8270-Modified	3510C		
Q2329-15	Water	8270-Modified	3510C		
Q2329-18	Water	8270-Modified	3510C		

Cover Page

Order ID : Q2329

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

Client : AECOM Technical Services, Inc.

Lab Sample Number

Q2329-01
Q2329-02
Q2329-03
Q2329-04
Q2329-05
Q2329-06
Q2329-07
Q2329-08
Q2329-09
Q2329-10
Q2329-11
Q2329-12
Q2329-13
Q2329-14
Q2329-15
Q2329-16
Q2329-17
Q2329-18

Client Sample Number

TT192D1-20250611
TT188S1-20250612
TT119S1-20250612
FB01-20250613
TT162S1-20250613
BPOW6-7-20250613
BPOW6-8-20250613
BPOW6-11-20250613
TT149S1-20250613
TT172S1-20250613
TT172S1-20250613MS
TT172S1-20250613MSD
DUP03-20250613
DUP04-20250613
EB01-20250613
TB01-20250612
TB02-20250612
TT163S1-20250613

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: 6/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

AECOM Technical Services, Inc.

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

Project # N/A

Order ID # Q2329

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

18 Water samples were received on 06/13/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. 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 met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VN087045.D met the requirements except for Carbon Disulfide is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VN087074.D met the requirements except for Methyl Acetate is failing marginally low and meets QC limits for BS BSD standard and no positive hit observed in the samples, therefore no corrective action taken.

The Continuous Calibration File ID VN087100.D met the requirements except for Bromoform, Carbon Disulfide and Vinyl Chloride is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

The Sample #TT188S1-20250612 and BPOW6-7-20250613 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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_____



CASE NARRATIVE

AECOM Technical Services, Inc.

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

Project # N/A

Order ID # Q2329

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

18 Water samples were received on 06/13/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. 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-GGAThe 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 met the acceptable criteria except for TT172S1-20250613MS [Terphenyl-d14 - 134%] and TT172S1-20250613MSD [Terphenyl-d14 - 133%]. The Failure Surrogate is not Associated with DOD Parameter list, Therefore no Corrective Action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q2329-11MS} with File ID: BN037326.D recoveries met the requirements for all compounds except for 1,4-Dioxane[-24%]. due to matrix interference.

The MSD {Q2329-12MSD} with File ID: BN037327.D recoveries met the acceptable requirements except for 1,4-Dioxane[-25%]. due to matrix interference.

The RPD met criteria.

The Blank Spike met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

The Tuning criteria met requirements.

E. Additional Comments:

The sample # TT172S1-20250613MS and TT172S1-20250613MSD is failing for 1,4-Dioxane and the original sample(TT172S1-20250613) is reported with M flag for this compounds.

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.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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_____

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2329

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 Custody

✓

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: 06/26/2025

LAB CHRONICLE

OrderID:	Q2329	OrderDate:	6/13/2025 2:09:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	D51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2329-01	TT192D1-20250611	Water	VOCMS Group1	8260-Low	06/11/25		06/17/25	06/13/25
Q2329-02	TT188S1-20250612	Water	VOCMS Group1	8260-Low	06/12/25		06/17/25	06/13/25
Q2329-03	TT119S1-20250612	Water	VOCMS Group1	8260-Low	06/12/25		06/17/25	06/13/25
Q2329-04	FB01-20250613	Water	VOCMS Group1	8260-Low	06/13/25		06/18/25	06/13/25
Q2329-05	TT162S1-20250613	Water	VOCMS Group1	8260-Low	06/13/25		06/17/25	06/13/25
Q2329-06	BPOW6-7-20250613	Water	VOCMS Group1	8260-Low	06/13/25		06/17/25	06/13/25
Q2329-07	BPOW6-8-20250613	Water	VOCMS Group1	8260-Low	06/13/25		06/18/25	06/13/25
Q2329-08	BPOW6-11-20250613	Water	VOCMS Group1	8260-Low	06/13/25		06/18/25	06/13/25
Q2329-09	TT149S1-20250613	Water	VOCMS Group1	8260-Low	06/13/25		06/18/25	06/13/25
Q2329-10	TT172S1-20250613	Water	VOCMS Group1	8260-Low	06/13/25		06/19/25	06/13/25
Q2329-13	DUP03-20250613	Water	VOCMS Group1	8260-Low	06/13/25		06/18/25	06/13/25
Q2329-14	DUP04-20250613	Water			06/13/25			06/13/25

LAB CHRONICLE

Q2329-15	EB01-20250613	Water	VOCMS Group1	8260-Low		06/18/25
					06/13/25	06/13/25
Q2329-16	TB01-20250612	Water	VOCMS Group1	8260-Low		06/19/25
					06/12/25	06/13/25
Q2329-17	TB02-20250612	Water	VOCMS Group1	8260-Low		06/18/25
					06/12/25	06/13/25
Q2329-18	TT163S1-20250613	Water	VOCMS Group1	8260-Low		06/18/25
					06/13/25	06/13/25
			VOCMS Group1	8260-Low		06/18/25

Hit Summary Sheet SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: Q2329-01	TT192D1-20250611 TT192D1-20250611	Water	Acetone	2.50	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.50					
			Total Concentration:	2.50					
Client ID: Q2329-02	TT188S1-20250612 TT188S1-20250612	Water	Trichloroethene	4.30		0.090	0.75	1.00	ug/L
			Total Voc :	4.30					
			Total Concentration:	4.30					
Client ID: Q2329-03	TT119S1-20250612 TT119S1-20250612	Water	Trichloroethene	1.20		0.090	0.75	1.00	ug/L
			Total Voc :	1.20					
			Total Concentration:	1.20					
Client ID: Q2329-04	FB01-20250613 FB01-20250613	Water	Acetone	11.1		1.50	3.80	5.00	ug/L
Q2329-04	FB01-20250613	Water	Methylene Chloride	2.00		0.28	0.50	1.00	ug/L
			Total Voc :	13.1					
			Total Concentration:	13.1					
Client ID: Q2329-05	TT162S1-20250613 TT162S1-20250613	Water	Trichloroethene	6.30		0.090	0.75	1.00	ug/L
Q2329-05	TT162S1-20250613	Water	Tetrachloroethene	0.66	J	0.23	0.50	1.00	ug/L
			Total Voc :	6.96					
			Total Concentration:	6.96					
Client ID: Q2329-09	TT149S1-20250613 TT149S1-20250613	Water	Methyl tert-butyl Ether	5.70		0.16	0.50	1.00	ug/L
Q2329-09	TT149S1-20250613	Water	Trichloroethene	2.80		0.090	0.75	1.00	ug/L
Q2329-09	TT149S1-20250613	Water	Tetrachloroethene	0.71	J	0.23	0.50	1.00	ug/L
			Total Voc :	9.21					
			Total Concentration:	9.21					
Client ID: Q2329-10	TT172S1-20250613 TT172S1-20250613	Water	1,1,2-Trichlorotrifluoroethane	1.10		0.25	0.50	1.00	ug/L
Q2329-10	TT172S1-20250613	Water	Chloroform	0.44	J	0.25	0.50	1.00	ug/L
Q2329-10	TT172S1-20250613	Water	Trichloroethene	36.4		0.090	0.75	1.00	ug/L
Q2329-10	TT172S1-20250613	Water	Tetrachloroethene	1.60		0.23	0.50	1.00	ug/L
			Total Voc :	39.5					
			Total Concentration:	39.5					
Client ID: Q2329-14	DUP04-20250613 DUP04-20250613	Water	Methyl tert-butyl Ether	7.40		0.16	0.50	1.00	ug/L
Q2329-14	DUP04-20250613	Water	Trichloroethene	3.50		0.090	0.75	1.00	ug/L
Q2329-14	DUP04-20250613	Water	Tetrachloroethene	0.94	J	0.23	0.50	1.00	ug/L
			Total Voc :	11.8					

Hit Summary Sheet
SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:				11.8					
Client ID:	EB01-20250613								
Q2329-15	EB01-20250613	Water	Acetone	11.6		1.50	3.80	5.00	ug/L
Q2329-15	EB01-20250613	Water	Methylene Chloride	1.50		0.28	0.50	1.00	ug/L
Total Voc :				13.1					
Total Concentration:				13.1					

A

B

C

D

E

F

G



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	06/13/25	
Client Sample ID:	TT192D1-20250611			SDG No.:	Q2329	
Lab Sample ID:	Q2329-01			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087063.D	1		06/17/25 16:30	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.50	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	06/11/25		
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	06/13/25		
Client Sample ID:	TT192D1-20250611			SDG No.:	Q2329		
Lab Sample ID:	Q2329-01			Matrix:	Water		
Analytical Method:	8260D			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	RXI-624	ID :	0.25	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087063.D	1		06/17/25 16:30	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	200000	8.23				
540-36-3	1,4-Difluorobenzene	399000	9.106				
3114-55-4	Chlorobenzene-d5	356000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT192D1-20250611		SDG No.:	Q2329	
Lab Sample ID:	Q2329-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087063.D	1		06/17/25 16:30	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT188S1-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087064.D	1		06/17/25 16:51	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	4.30		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT188S1-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087064.D	1		06/17/25 16:51	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	263000	8.235				
540-36-3	1,4-Difluorobenzene	526000	9.106				
3114-55-4	Chlorobenzene-d5	472000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	223000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT188S1-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087064.D	1		06/17/25 16:51	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT119S1-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087065.D	1		06/17/25 17:13	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	1.20		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT119S1-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087065.D	1		06/17/25 17:13	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	283000	8.229				
540-36-3	1,4-Difluorobenzene	562000	9.106				
3114-55-4	Chlorobenzene-d5	505000	11.864				
3855-82-1	1,4-Dichlorobenzene-d4	236000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT119S1-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087065.D	1		06/17/25 17:13	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	FB01-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087095.D	1		06/18/25 18:39	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	11.1		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	2.00		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	FB01-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087095.D	1		06/18/25 18:39	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.3		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.7		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177000	8.229				
540-36-3	1,4-Difluorobenzene	362000	9.106				
3114-55-4	Chlorobenzene-d5	325000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	FB01-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087095.D	1		06/18/25 18:39	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	06/13/25	
Client Sample ID:	TT162S1-20250613			SDG No.:	Q2329	
Lab Sample ID:	Q2329-05			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087067.D	1		06/17/25 17:56	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	6.30		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	06/13/25		
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	06/13/25		
Client Sample ID:	TT162S1-20250613			SDG No.:	Q2329		
Lab Sample ID:	Q2329-05			Matrix:	Water		
Analytical Method:	8260D			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	RXI-624	ID :	0.25	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087067.D	1		06/17/25 17:56	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.66	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.5		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	290000	8.23				
540-36-3	1,4-Difluorobenzene	584000	9.106				
3114-55-4	Chlorobenzene-d5	526000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	249000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT162S1-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087067.D	1		06/17/25 17:56	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	BPOW6-7-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087068.D	1		06/17/25 18:17	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	BPOW6-7-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087068.D	1		06/17/25 18:17	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	203000	8.229				
540-36-3	1,4-Difluorobenzene	406000	9.106				
3114-55-4	Chlorobenzene-d5	361000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	BPOW6-7-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087068.D	1		06/17/25 18:17	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	06/13/25	
Client Sample ID:	BPOW6-8-20250613			SDG No.:	Q2329	
Lab Sample ID:	Q2329-07			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087086.D	1		06/18/25 15:24	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	06/13/25	
Client Sample ID:	BPOW6-8-20250613			SDG No.:	Q2329	
Lab Sample ID:	Q2329-07			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087086.D	1		06/18/25 15:24	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	193000	8.236				
540-36-3	1,4-Difluorobenzene	387000	9.106				
3114-55-4	Chlorobenzene-d5	351000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	167000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	BPOW6-8-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087086.D	1		06/18/25 15:24	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	BPOW6-11-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-08		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087087.D	1		06/18/25 15:46	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	BPOW6-11-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-08		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087087.D	1		06/18/25 15:46	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.3		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.6		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	169000	8.236				
540-36-3	1,4-Difluorobenzene	344000	9.106				
3114-55-4	Chlorobenzene-d5	309000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	BPOW6-11-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-08		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087087.D	1		06/18/25 15:46	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	06/13/25		
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	06/13/25		
Client Sample ID:	TT149S1-20250613			SDG No.:	Q2329		
Lab Sample ID:	Q2329-09			Matrix:	Water		
Analytical Method:	8260D			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	RXI-624	ID :	0.25	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087088.D	1		06/18/25 16:08	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.70		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	2.80		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT149S1-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-09		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087088.D	1		06/18/25 16:08	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.71	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.6		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	253000	8.235				
540-36-3	1,4-Difluorobenzene	502000	9.106				
3114-55-4	Chlorobenzene-d5	459000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.794				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT149S1-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-09		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087088.D	1		06/18/25 16:08	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT172S1-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-10		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087117.D	1		06/19/25 17:10	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.44	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	36.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT172S1-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-10		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087117.D	1		06/19/25 17:10	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.60		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	53.1		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	175000	8.23				
540-36-3	1,4-Difluorobenzene	348000	9.106				
3114-55-4	Chlorobenzene-d5	314000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT172S1-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-10		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087117.D	1		06/19/25 17:10	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	DUP03-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-13		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087089.D	1		06/18/25 16:30	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	DUP03-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-13		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087089.D	1		06/18/25 16:30	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.8		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	270000	8.235				
540-36-3	1,4-Difluorobenzene	556000	9.106				
3114-55-4	Chlorobenzene-d5	502000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	235000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	DUP03-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-13		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087089.D	1		06/18/25 16:30	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	DUP04-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-14		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087090.D	1		06/18/25 16:52	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	7.40		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	3.50		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	DUP04-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-14		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087090.D	1		06/18/25 16:52	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.94	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.9		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.5		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	188000	8.236				
540-36-3	1,4-Difluorobenzene	380000	9.106				
3114-55-4	Chlorobenzene-d5	345000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	DUP04-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-14		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087090.D	1		06/18/25 16:52	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	EB01-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-15		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087103.D	1		06/19/25 10:47	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	11.6		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	1.50		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	EB01-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-15		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087103.D	1		06/19/25 10:47	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.9		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	53.1		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	8.23				
540-36-3	1,4-Difluorobenzene	340000	9.106				
3114-55-4	Chlorobenzene-d5	308000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	EB01-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-15		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087103.D	1		06/19/25 10:47	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TB01-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-16		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087092.D	1		06/18/25 17:36	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TB01-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-16		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087092.D	1		06/18/25 17:36	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.5		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	183000	8.235				
540-36-3	1,4-Difluorobenzene	372000	9.106				
3114-55-4	Chlorobenzene-d5	338000	11.864				
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.794				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TB01-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-16		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087092.D	1		06/18/25 17:36	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TB02-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-17		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087093.D	1		06/18/25 17:57	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TB02-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-17		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087093.D	1		06/18/25 17:57	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.5		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	8.23				
540-36-3	1,4-Difluorobenzene	371000	9.106				
3114-55-4	Chlorobenzene-d5	332000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TB02-20250612		SDG No.:	Q2329	
Lab Sample ID:	Q2329-17		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087093.D	1		06/18/25 17:57	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT163S1-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-18		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087094.D	1		06/18/25 18:18	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT163S1-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-18		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087094.D	1		06/18/25 18:18	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.5		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	8.23				
540-36-3	1,4-Difluorobenzene	339000	9.106				
3114-55-4	Chlorobenzene-d5	307000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT163S1-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-18		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087094.D	1		06/18/25 18:18	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q2329**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2329-01	TT192D1-20250611	1,2-Dichloroethane-d4	50	52.5	105	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	49.7	99	85	114
Q2329-02	TT188S1-20250612	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	49.7	99	85	114
Q2329-03	TT119S1-20250612	1,2-Dichloroethane-d4	50	51.4	103	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	49.8	100	85	114
Q2329-04	FB01-20250613	1,2-Dichloroethane-d4	50	56.3	113	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	52.7	105	89	112
		4-Bromofluorobenzene	50	48.0	96	85	114
Q2329-05	TT162S1-20250613	1,2-Dichloroethane-d4	50	53.2	106	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	52.5	105	89	112
		4-Bromofluorobenzene	50	50.2	100	85	114
Q2329-06	BPOW6-7-20250613	1,2-Dichloroethane-d4	50	53.1	106	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	51.8	104	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
Q2329-07	BPOW6-8-20250613	1,2-Dichloroethane-d4	50	55.0	110	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
Q2329-08	BPOW6-11-20250613	1,2-Dichloroethane-d4	50	55.3	111	81	118
		Dibromofluoromethane	50	51.9	104	80	119
		Toluene-d8	50	52.6	105	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
Q2329-09	TT149S1-20250613	1,2-Dichloroethane-d4	50	53.2	106	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	52.6	105	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114
Q2329-10	TT172S1-20250613	1,2-Dichloroethane-d4	50	53.1	106	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	53.1	106	89	112
		4-Bromofluorobenzene	50	49.4	99	85	114
Q2329-11MS	TT172S1-20250613MS	1,2-Dichloroethane-d4	50	50.0	100	81	118
		Dibromofluoromethane	50	55.6	111	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	52.6	105	85	114
Q2329-12MSD	TT172S1-20250613MSD	1,2-Dichloroethane-d4	50	44.7	89	81	118
		Dibromofluoromethane	50	49.1	98	80	119
		Toluene-d8	50	45.9	92	89	112
		4-Bromofluorobenzene	50	46.6	93	85	114
Q2329-13	DUP03-20250613	1,2-Dichloroethane-d4	50	54.8	110	81	118
		Dibromofluoromethane	50	51.8	104	80	119

Surrogate Summary

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2329-13	DUP03-20250613	Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114
Q2329-14	DUP04-20250613	1,2-Dichloroethane-d4	50	54.9	110	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	52.5	105	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
Q2329-15	EB01-20250613	1,2-Dichloroethane-d4	50	56.9	114	81	118
		Dibromofluoromethane	50	53.3	107	80	119
		Toluene-d8	50	53.1	106	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114
Q2329-16	TB01-20250612	1,2-Dichloroethane-d4	50	55.5	111	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	49.3	99	85	114
Q2329-17	TB02-20250612	1,2-Dichloroethane-d4	50	56.5	113	81	118
		Dibromofluoromethane	50	51.9	104	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
Q2329-18	TT163S1-20250613	1,2-Dichloroethane-d4	50	57.1	114	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	52.5	105	89	112
		4-Bromofluorobenzene	50	49.3	98	85	114
VN0617WBL01	VN0617WBL01	1,2-Dichloroethane-d4	50	55.2	110	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	53.3	107	89	112
		4-Bromofluorobenzene	50	50.1	100	85	114
VN0617WBS01	VN0617WBS01	1,2-Dichloroethane-d4	50	48.7	97	81	118
		Dibromofluoromethane	50	52.2	104	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	51.8	104	85	114
VN0618WBL01	VN0618WBL01	1,2-Dichloroethane-d4	50	52.5	105	81	118
		Dibromofluoromethane	50	50.7	101	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
VN0618WBS01	VN0618WBS01	1,2-Dichloroethane-d4	50	48.3	97	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
VN0619WBL01	VN0619WBL01	1,2-Dichloroethane-d4	50	57.1	114	81	118
		Dibromofluoromethane	50	53.1	106	80	119
		Toluene-d8	50	53.8	108	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114
VN0619WBS01	VN0619WBS01	1,2-Dichloroethane-d4	50	48.3	97	81	118
		Dibromofluoromethane	50	53.4	107	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	50.3	101	85	114

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
Lab Sample ID :	Q2329-11MS	Client Sample ID :	TT172S1-20250613MS						Datafile :	VN087118.D	
Dichlorodifluoromethane	50	0	55.7	ug/L	111				32	152	
Chloromethane	50	0	48.6	ug/L	97				50	139	
Vinyl chloride	50	0	59.7	ug/L	119				58	137	
Bromomethane	50	0	51.1	ug/L	102				53	141	
Chloroethane	50	0	59.4	ug/L	119				60	138	
Trichlorofluoromethane	50	0	59.1	ug/L	118				65	141	
1,1,2-Trichlorotrifluoroethane	50	1.10	57.7	ug/L	113				70	136	
1,1-Dichloroethene	50	0	58.6	ug/L	117				71	131	
Acetone	250	0	250	ug/L	100				39	160	
Carbon disulfide	50	0	60.0	ug/L	120				64	133	
Methyl tert-butyl Ether	50	0	56.2	ug/L	112				71	124	
Methyl Acetate	50	0	44.3	ug/L	89				56	136	
Methylene Chloride	50	0	55.2	ug/L	110				74	124	
trans-1,2-Dichloroethene	50	0	56.9	ug/L	114				75	124	
1,1-Dichloroethane	50	0	57.1	ug/L	114				77	125	
Cyclohexane	50	0	51.1	ug/L	102				71	130	
2-Butanone	250	0	250	ug/L	100				56	143	
Carbon Tetrachloride	50	0	58.2	ug/L	116				72	136	
cis-1,2-Dichloroethene	50	0	57.5	ug/L	115				78	123	
Bromochloromethane	50	0	47.8	ug/L	96				78	123	
Chloroform	50	0.44	56.5	ug/L	112				79	124	
1,1,1-Trichloroethane	50	0	56.4	ug/L	113				74	131	
Methylcyclohexane	50	0	48.7	ug/L	97				72	132	
Benzene	50	0	57.4	ug/L	115				79	120	
1,2-Dichloroethane	50	0	56.0	ug/L	112				73	128	
Trichloroethene	50	36.4	97.3	ug/L	122				79	123	
1,2-Dichloropropane	50	0	56.6	ug/L	113				78	122	
Bromodichloromethane	50	0	57.4	ug/L	115				79	125	
4-Methyl-2-Pentanone	250	0	270	ug/L	108				67	130	
Toluene	50	0	58.6	ug/L	117				80	121	
t-1,3-Dichloropropene	50	0	57.1	ug/L	114				73	127	
cis-1,3-Dichloropropene	50	0	56.3	ug/L	113				75	124	
1,1,2-Trichloroethane	50	0	57.7	ug/L	115				80	119	
2-Hexanone	250	0	280	ug/L	112				57	139	
Dibromochloromethane	50	0	60.3	ug/L	121				74	126	
1,2-Dibromoethane	50	0	58.9	ug/L	118				77	121	
Tetrachloroethene	50	1.60	57.3	ug/L	111				74	129	
Chlorobenzene	50	0	57.1	ug/L	114				82	118	
Ethyl Benzene	50	0	55.6	ug/L	111				79	121	
m/p-Xylenes	100	0	120	ug/L	120				80	121	
o-Xylene	50	0	58.7	ug/L	117				78	122	
Styrene	50	0	58.2	ug/L	116				78	123	
Bromoform	50	0	60.7	ug/L	121				66	130	
Isopropylbenzene	50	0	54.2	ug/L	108				72	131	
1,1,2,2-Tetrachloroethane	50	0	55.5	ug/L	111				71	121	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Qual	RPD	Qual	Low	High	RPD	
1,3-Dichlorobenzene	50	0	56.2	ug/L	112				80	119	
1,4-Dichlorobenzene	50	0	55.6	ug/L	111				79	118	
1,2-Dichlorobenzene	50	0	56.2	ug/L	112				80	119	
1,2-Dibromo-3-Chloropropane	50	0	52.0	ug/L	104				62	128	
1,2,4-Trichlorobenzene	50	0	48.3	ug/L	97				69	130	
1,2,3-Trichlorobenzene	50	0	47.1	ug/L	94				69	129	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

											Limits	
Parameter	Spike	Sample	Result	Units	Rec		RPD					
		Result			Qual	RPD	Qual	Low	High	RPD		
Lab Sample ID :	Q2329-12MSD	Client Sample ID :	TT172S1-20250613MSD					Datafile :	VN087119.D			
Dichlorodifluoromethane	50	0	51.5	ug/L	103		8		32	152	20	
Chloromethane	50	0	45.1	ug/L	90		7		50	139	20	
Vinyl chloride	50	0	56.1	ug/L	112		6		58	137	20	
Bromomethane	50	0	54.1	ug/L	108		6		53	141	20	
Chloroethane	50	0	55.5	ug/L	111		7		60	138	20	
Trichlorofluoromethane	50	0	54.7	ug/L	109		8		65	141	20	
1,1,2-Trichlorotrifluoroethane	50	1.10	53.5	ug/L	105		7		70	136	20	
1,1-Dichloroethene	50	0	55.3	ug/L	111		6		71	131	20	
Acetone	250	0	230	ug/L	92		8		39	160	20	
Carbon disulfide	50	0	56.6	ug/L	113		6		64	133	20	
Methyl tert-butyl Ether	50	0	52.3	ug/L	105		7		71	124	20	
Methyl Acetate	50	0	41.3	ug/L	83		7		56	136	20	
Methylene Chloride	50	0	53.0	ug/L	106		4		74	124	20	
trans-1,2-Dichloroethene	50	0	53.3	ug/L	107		7		75	124	20	
1,1-Dichloroethane	50	0	53.8	ug/L	108		6		77	125	20	
Cyclohexane	50	0	47.3	ug/L	95		8		71	130	20	
2-Butanone	250	0	230	ug/L	92		8		56	143	20	
Carbon Tetrachloride	50	0	53.5	ug/L	107		8		72	136	20	
cis-1,2-Dichloroethene	50	0	53.9	ug/L	108		6		78	123	20	
Bromochloromethane	50	0	44.5	ug/L	89		7		78	123	20	
Chloroform	50	0.44	52.7	ug/L	105		6		79	124	20	
1,1,1-Trichloroethane	50	0	53.0	ug/L	106		6		74	131	20	
Methylcyclohexane	50	0	44.6	ug/L	89		9		72	132	20	
Benzene	50	0	53.1	ug/L	106		8		79	120	20	
1,2-Dichloroethane	50	0	51.7	ug/L	103		8		73	128	20	
Trichloroethene	50	36.4	93.2	ug/L	114		7		79	123	20	
1,2-Dichloropropane	50	0	52.5	ug/L	105		8		78	122	20	
Bromodichloromethane	50	0	53.0	ug/L	106		8		79	125	20	
4-Methyl-2-Pentanone	250	0	250	ug/L	100		8		67	130	20	
Toluene	50	0	53.7	ug/L	107		9		80	121	20	
t-1,3-Dichloropropene	50	0	52.6	ug/L	105		8		73	127	20	
cis-1,3-Dichloropropene	50	0	52.4	ug/L	105		7		75	124	20	
1,1,2-Trichloroethane	50	0	52.7	ug/L	105		9		80	119	20	
2-Hexanone	250	0	250	ug/L	100		11		57	139	20	
Dibromochloromethane	50	0	56.0	ug/L	112		7		74	126	20	
1,2-Dibromoethane	50	0	53.8	ug/L	108		9		77	121	20	
Tetrachloroethene	50	1.60	54.1	ug/L	105		6		74	129	20	
Chlorobenzene	50	0	54.1	ug/L	108		5		82	118	20	
Ethyl Benzene	50	0	52.9	ug/L	106		5		79	121	20	
m/p-Xylenes	100	0	110	ug/L	110		9		80	121	20	
o-Xylene	50	0	55.9	ug/L	112		5		78	122	20	
Styrene	50	0	55.5	ug/L	111		5		78	123	20	
Bromoform	50	0	57.8	ug/L	116		5		66	130	20	
Isopropylbenzene	50	0	51.7	ug/L	103		5		72	131	20	
1,1,2,2-Tetrachloroethane	50	0	52.5	ug/L	105		6		71	121	20	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits	
					Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	52.9	ug/L	106		6		80	119	20
1,4-Dichlorobenzene	50	0	53.2	ug/L	106		4		79	118	20
1,2-Dichlorobenzene	50	0	52.7	ug/L	105		6		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	49.0	ug/L	98		6		62	128	20
1,2,4-Trichlorobenzene	50	0	47.0	ug/L	94		3		69	130	20
1,2,3-Trichlorobenzene	50	0	45.6	ug/L	91		3		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0617WBS01	Dichlorodifluoromethane	20	20.3	ug/L	102			32	152	
	Chloromethane	20	17.7	ug/L	89			50	139	
	Vinyl chloride	20	21.5	ug/L	108			58	137	
	Bromomethane	20	20.1	ug/L	101			53	141	
	Chloroethane	20	21.6	ug/L	108			60	138	
	Trichlorofluoromethane	20	21.1	ug/L	106			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/L	104			70	136	
	1,1-Dichloroethene	20	21.7	ug/L	109			71	131	
	Acetone	100	88.8	ug/L	89			39	160	
	Carbon disulfide	20	22.1	ug/L	111			64	133	
	Methyl tert-butyl Ether	20	19.8	ug/L	99			71	124	
	Methyl Acetate	20	16.2	ug/L	81			56	136	
	Methylene Chloride	20	20.0	ug/L	100			74	124	
	trans-1,2-Dichloroethene	20	21.0	ug/L	105			75	124	
	1,1-Dichloroethane	20	20.5	ug/L	103			77	125	
	Cyclohexane	20	18.7	ug/L	94			71	130	
	2-Butanone	100	88.2	ug/L	88			56	143	
	Carbon Tetrachloride	20	20.9	ug/L	104			72	136	
	cis-1,2-Dichloroethene	20	20.7	ug/L	104			78	123	
	Bromochloromethane	20	17.7	ug/L	89			78	123	
	Chloroform	20	20.1	ug/L	101			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	17.2	ug/L	86			72	132	
	Benzene	20	20.9	ug/L	104			79	120	
	1,2-Dichloroethane	20	21.0	ug/L	105			73	128	
	Trichloroethene	20	21.4	ug/L	107			79	123	
	1,2-Dichloropropane	20	20.7	ug/L	104			78	122	
	Bromodichloromethane	20	21.0	ug/L	105			79	125	
	4-Methyl-2-Pentanone	100	93.1	ug/L	93			67	130	
	Toluene	20	21.4	ug/L	107			80	121	
	t-1,3-Dichloropropene	20	21.2	ug/L	106			73	127	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			75	124	
	1,1,2-Trichloroethane	20	21.4	ug/L	107			80	119	
	2-Hexanone	100	85.4	ug/L	85			57	139	
	Dibromochloromethane	20	21.1	ug/L	106			74	126	
	1,2-Dibromoethane	20	21.1	ug/L	106			77	121	
	Tetrachloroethene	20	20.5	ug/L	103			74	129	
	Chlorobenzene	20	21.3	ug/L	106			82	118	
	Ethyl Benzene	20	20.2	ug/L	101			79	121	
	m/p-Xylenes	40	42.4	ug/L	106			80	121	
	o-Xylene	20	21.6	ug/L	108			78	122	
	Styrene	20	21.9	ug/L	110			78	123	
	Bromoform	20	21.6	ug/L	108			66	130	
	Isopropylbenzene	20	20.5	ug/L	103			72	131	
	1,1,2,2-Tetrachloroethane	20	21.5	ug/L	108			71	121	
	1,3-Dichlorobenzene	20	21.2	ug/L	106			80	119	
	1,4-Dichlorobenzene	20	20.9	ug/L	104			79	118	
	1,2-Dichlorobenzene	20	21.5	ug/L	108			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0617WBS01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/L	98			62	128	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			69	130	
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087077.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0618WBS01	Dichlorodifluoromethane	20	19.6	ug/L	98			32	152	
	Chloromethane	20	16.9	ug/L	85			50	139	
	Vinyl chloride	20	20.3	ug/L	102			58	137	
	Bromomethane	20	18.6	ug/L	93			53	141	
	Chloroethane	20	20.4	ug/L	102			60	138	
	Trichlorofluoromethane	20	20.3	ug/L	102			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70	136	
	1,1-Dichloroethene	20	20.1	ug/L	101			71	131	
	Acetone	100	82.9	ug/L	83			39	160	
	Carbon disulfide	20	20.6	ug/L	103			64	133	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			71	124	
	Methyl Acetate	20	15.5	ug/L	78			56	136	
	Methylene Chloride	20	19.0	ug/L	95			74	124	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			75	124	
	1,1-Dichloroethane	20	19.1	ug/L	96			77	125	
	Cyclohexane	20	17.8	ug/L	89			71	130	
	2-Butanone	100	85.3	ug/L	85			56	143	
	Carbon Tetrachloride	20	20.0	ug/L	100			72	136	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			78	123	
	Bromochloromethane	20	17.1	ug/L	86			78	123	
	Chloroform	20	18.9	ug/L	95			79	124	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			74	131	
	Methylcyclohexane	20	17.2	ug/L	86			72	132	
	Benzene	20	19.9	ug/L	100			79	120	
	1,2-Dichloroethane	20	19.2	ug/L	96			73	128	
	Trichloroethene	20	20.1	ug/L	101			79	123	
	1,2-Dichloropropane	20	19.6	ug/L	98			78	122	
	Bromodichloromethane	20	19.4	ug/L	97			79	125	
	4-Methyl-2-Pentanone	100	91.0	ug/L	91			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	19.2	ug/L	96			73	127	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			75	124	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			80	119	
	2-Hexanone	100	83.9	ug/L	84			57	139	
	Dibromochloromethane	20	20.3	ug/L	102			74	126	
	1,2-Dibromoethane	20	20.2	ug/L	101			77	121	
	Tetrachloroethene	20	19.8	ug/L	99			74	129	
	Chlorobenzene	20	20.1	ug/L	101			82	118	
	Ethyl Benzene	20	19.2	ug/L	96			79	121	
	m/p-Xylenes	40	39.7	ug/L	99			80	121	
	o-Xylene	20	19.6	ug/L	98			78	122	
	Styrene	20	19.8	ug/L	99			78	123	
	Bromoform	20	21.0	ug/L	105			66	130	
	Isopropylbenzene	20	18.4	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/L	98			71	121	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			80	119	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			79	118	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087077.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0618WBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/L	89			62	128	
	1,2,4-Trichlorobenzene	20	16.8	ug/L	84			69	130	
	1,2,3-Trichlorobenzene	20	16.3	ug/L	81			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087104.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0619WBS01	Dichlorodifluoromethane	20	19.7	ug/L	99			32	152	
	Chloromethane	20	16.6	ug/L	83			50	139	
	Vinyl chloride	20	20.4	ug/L	102			58	137	
	Bromomethane	20	19.5	ug/L	98			53	141	
	Chloroethane	20	20.6	ug/L	103			60	138	
	Trichlorofluoromethane	20	19.9	ug/L	100			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			70	136	
	1,1-Dichloroethene	20	19.5	ug/L	98			71	131	
	Acetone	100	89.0	ug/L	89			39	160	
	Carbon disulfide	20	20.5	ug/L	103			64	133	
	Methyl tert-butyl Ether	20	18.1	ug/L	91			71	124	
	Methyl Acetate	20	15.1	ug/L	76			56	136	
	Methylene Chloride	20	18.6	ug/L	93			74	124	
	trans-1,2-Dichloroethene	20	19.1	ug/L	96			75	124	
	1,1-Dichloroethane	20	19.1	ug/L	96			77	125	
	Cyclohexane	20	17.5	ug/L	88			71	130	
	2-Butanone	100	81.5	ug/L	82			56	143	
	Carbon Tetrachloride	20	19.6	ug/L	98			72	136	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			78	123	
	Bromochloromethane	20	16.7	ug/L	84			78	123	
	Chloroform	20	19.0	ug/L	95			79	124	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			74	131	
	Methylcyclohexane	20	16.4	ug/L	82			72	132	
	Benzene	20	19.2	ug/L	96			79	120	
	1,2-Dichloroethane	20	18.9	ug/L	95			73	128	
	Trichloroethene	20	19.9	ug/L	100			79	123	
	1,2-Dichloropropane	20	19.5	ug/L	98			78	122	
	Bromodichloromethane	20	19.2	ug/L	96			79	125	
	4-Methyl-2-Pentanone	100	85.6	ug/L	86			67	130	
	Toluene	20	19.5	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	19.0	ug/L	95			73	127	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			75	124	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			80	119	
	2-Hexanone	100	75.6	ug/L	76			57	139	
	Dibromochloromethane	20	19.9	ug/L	100			74	126	
	1,2-Dibromoethane	20	19.1	ug/L	96			77	121	
	Tetrachloroethene	20	18.7	ug/L	94			74	129	
	Chlorobenzene	20	19.6	ug/L	98			82	118	
	Ethyl Benzene	20	18.6	ug/L	93			79	121	
	m/p-Xylenes	40	38.5	ug/L	96			80	121	
	o-Xylene	20	18.7	ug/L	94			78	122	
	Styrene	20	19.2	ug/L	96			78	123	
	Bromoform	20	20.2	ug/L	101			66	130	
	Isopropylbenzene	20	18.1	ug/L	91			72	131	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/L	96			71	121	
	1,3-Dichlorobenzene	20	19.4	ug/L	97			80	119	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			79	118	
	1,2-Dichlorobenzene	20	19.0	ug/L	95			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087104.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0619WBS01	1,2-Dibromo-3-Chloropropane	20	17.1	ug/L	86			62	128	
	1,2,4-Trichlorobenzene	20	16.0	ug/L	80			69	130	
	1,2,3-Trichlorobenzene	20	15.4	ug/L	77			69	129	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0617WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2329

SAS No.: Q2329 SDG NO.: Q2329

Lab File ID: VN087047.D

Lab Sample ID: VN0617WBL01

Date Analyzed: 06/17/2025

Time Analyzed: 10:20

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0617WBS01	VN0617WBS01	VN087051.D	06/17/2025
TT192D1-20250611	Q2329-01	VN087063.D	06/17/2025
TT188S1-20250612	Q2329-02	VN087064.D	06/17/2025
TT119S1-20250612	Q2329-03	VN087065.D	06/17/2025
TT162S1-20250613	Q2329-05	VN087067.D	06/17/2025
BPOW6-7-20250613	Q2329-06	VN087068.D	06/17/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0618WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2329

SAS No.: Q2329 SDG NO.: Q2329

Lab File ID: VN087076.D

Lab Sample ID: VN0618WBL01

Date Analyzed: 06/18/2025

Time Analyzed: 11:46

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0618WBS01	VN0618WBS01	VN087077.D	06/18/2025
BPOW6-8-20250613	Q2329-07	VN087086.D	06/18/2025
BPOW6-11-20250613	Q2329-08	VN087087.D	06/18/2025
TT149S1-20250613	Q2329-09	VN087088.D	06/18/2025
DUP03-20250613	Q2329-13	VN087089.D	06/18/2025
DUP04-20250613	Q2329-14	VN087090.D	06/18/2025
TB01-20250612	Q2329-16	VN087092.D	06/18/2025
TB02-20250612	Q2329-17	VN087093.D	06/18/2025
TT163S1-20250613	Q2329-18	VN087094.D	06/18/2025
FB01-20250613	Q2329-04	VN087095.D	06/18/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0619WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2329

SAS No.: Q2329 SDG NO.: Q2329

Lab File ID: VN087102.D

Lab Sample ID: VN0619WBL01

Date Analyzed: 06/19/2025

Time Analyzed: 10:26

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EB01-20250613	Q2329-15	VN087103.D	06/19/2025
VN0619WBS01	VN0619WBS01	VN087104.D	06/19/2025
TT172S1-20250613	Q2329-10	VN087117.D	06/19/2025
TT172S1-20250613MS	Q2329-11MS	VN087118.D	06/19/2025
TT172S1-20250613MSD	Q2329-12MSD	VN087119.D	06/19/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
Lab File ID: VN086861.D BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_N BFB Injection Time: 07:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN086862.D	06/06/2025	12:44
VSTDIC005	VSTDIC005	VN086863.D	06/06/2025	13:17
VSTDIC020	VSTDIC020	VN086864.D	06/06/2025	13:40
VSTDIC050	VSTDIC050	VN086865.D	06/06/2025	14:03
VSTDIC100	VSTDIC100	VN086866.D	06/06/2025	14:26
VSTDIC150	VSTDIC150	VN086867.D	06/06/2025	14:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
Lab File ID: VN087044.D BFB Injection Date: 06/17/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:51
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.6
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	70.3 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087045.D	06/17/2025	09:25
VN0617WBL01	VN0617WBL01	VN087047.D	06/17/2025	10:20
VN0617WBS01	VN0617WBS01	VN087051.D	06/17/2025	11:59
TT192D1-20250611	Q2329-01	VN087063.D	06/17/2025	16:30
TT188S1-20250612	Q2329-02	VN087064.D	06/17/2025	16:51
TT119S1-20250612	Q2329-03	VN087065.D	06/17/2025	17:13
TT162S1-20250613	Q2329-05	VN087067.D	06/17/2025	17:56
BPOW6-7-20250613	Q2329-06	VN087068.D	06/17/2025	18:17
VSTDCCC050EC	VSTDCCC050	VN087072.D	06/17/2025	19:43

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
Lab File ID: VN087073.D BFB Injection Date: 06/18/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:43
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.1
75	30.0 - 60.0% of mass 95	46.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	69.7
175	5.0 - 9.0% of mass 174	5.3 (7.6) 1
176	95.0 - 101.0% of mass 174	68.3 (98) 1
177	5.0 - 9.0% of mass 176	5 (7.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087074.D	06/18/2025	10:21
VN0618WBL01	VN0618WBL01	VN087076.D	06/18/2025	11:46
VN0618WBS01	VN0618WBS01	VN087077.D	06/18/2025	12:07
BPOW6-8-20250613	Q2329-07	VN087086.D	06/18/2025	15:24
BPOW6-11-20250613	Q2329-08	VN087087.D	06/18/2025	15:46
TT149S1-20250613	Q2329-09	VN087088.D	06/18/2025	16:08
DUP03-20250613	Q2329-13	VN087089.D	06/18/2025	16:30
DUP04-20250613	Q2329-14	VN087090.D	06/18/2025	16:52
TB01-20250612	Q2329-16	VN087092.D	06/18/2025	17:36
TB02-20250612	Q2329-17	VN087093.D	06/18/2025	17:57
TT163S1-20250613	Q2329-18	VN087094.D	06/18/2025	18:18
FB01-20250613	Q2329-04	VN087095.D	06/18/2025	18:39
VSTDCCC050EC	VSTDCCC050	VN087098.D	06/18/2025	19:42

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329
Lab File ID: VN087099.D BFB Injection Date: 06/19/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:58
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.1
75	30.0 - 60.0% of mass 95	44.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	5 (7.1) 1
176	95.0 - 101.0% of mass 174	68.6 (97.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087100.D	06/19/2025	09:31
VN0619WBL01	VN0619WBL01	VN087102.D	06/19/2025	10:26
EB01-20250613	Q2329-15	VN087103.D	06/19/2025	10:47
VN0619WBS01	VN0619WBS01	VN087104.D	06/19/2025	12:22
TT172S1-20250613	Q2329-10	VN087117.D	06/19/2025	17:10
TT172S1-20250613MS	Q2329-11MS	VN087118.D	06/19/2025	17:31
TT172S1-20250613MSD	Q2329-12MSD	VN087119.D	06/19/2025	17:52
VSTDCCC050EC	VSTDCCC050	VN087120.D	06/19/2025	18:13

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
Lab File ID: VN087045.D Date Analyzed: 06/17/2025
Instrument ID: MSVOA_N Time Analyzed: 09:25
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	178887	8.23	312096	9.11	278021	11.87
UPPER LIMIT	357774	8.73	624192	9.606	556042	12.365
LOWER LIMIT	89443.5	7.73	156048	8.606	139011	11.365
EPA SAMPLE NO.						
TT192D1-20250611	200437	8.23	399463	9.11	355638	11.87
TT188S1-20250612	262569	8.24	525578	9.11	472016	11.87
TT119S1-20250612	282994	8.23	562247	9.11	504751	11.86
TT162S1-20250613	290343	8.23	583906	9.11	526439	11.87
BPOW6-7-20250613	202684	8.23	406226	9.11	361194	11.87
VN0617WBL01	200915	8.23	403651	9.11	368689	11.87
VN0617WBS01	157438	8.23	281588	9.11	248700	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
Lab File ID: VN087045.D Date Analyzed: 06/17/2025
Instrument ID: MSVOA_N Time Analyzed: 09:25
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	137590	13.788				
UPPER LIMIT	275180	14.288				
LOWER LIMIT	68795	13.288				
EPA SAMPLE NO.						
TT192D1-20250611	167802	13.79				
TT188S1-20250612	222915	13.79				
TT119S1-20250612	235936	13.79				
TT162S1-20250613	248696	13.79				
BPOW6-7-20250613	175252	13.79				
VN0617WBL01	170553	13.79				
VN0617WBS01	122529	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
Lab File ID: VN087074.D Date Analyzed: 06/18/2025
Instrument ID: MSVOA_N Time Analyzed: 10:21
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	217200	8.23	377846	9.11	330017	11.87
UPPER LIMIT	434400	8.729	755692	9.606	660034	12.365
LOWER LIMIT	108600	7.729	188923	8.606	165009	11.365
EPA SAMPLE NO.						
FB01-20250613	177161	8.23	362021	9.11	325288	11.87
BPOW6-8-20250613	192609	8.24	387116	9.11	350512	11.87
BPOW6-11-20250613	169193	8.24	343634	9.11	309468	11.87
TT149S1-20250613	253025	8.24	501869	9.11	459032	11.87
DUP03-20250613	270167	8.24	555521	9.11	502443	11.87
DUP04-20250613	187618	8.24	379825	9.11	344732	11.87
TB01-20250612	182714	8.24	371831	9.11	338148	11.86
TB02-20250612	179779	8.23	370663	9.11	331725	11.87
TT163S1-20250613	165721	8.23	339420	9.11	306857	11.87
VN0618WBL01	270298	8.23	541331	9.11	486295	11.87
VN0618WBS01	213664	8.23	379722	9.11	333122	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
Lab File ID: VN087074.D Date Analyzed: 06/18/2025
Instrument ID: MSVOA_N Time Analyzed: 10:21
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	164001	13.788				
UPPER LIMIT	328002	14.288				
LOWER LIMIT	82000.5	13.288				
EPA SAMPLE NO.						
FB01-20250613	153113	13.79				
BPOW6-8-20250613	166828	13.79				
BPOW6-11-20250613	143673	13.79				
TT149S1-20250613	210865	13.79				
DUP03-20250613	235183	13.79				
DUP04-20250613	162129	13.79				
TB01-20250612	158047	13.79				
TB02-20250612	154445	13.79				
TT163S1-20250613	141945	13.79				
VN0618WBL01	227513	13.79				
VN0618WBS01	167760	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
Lab File ID: VN087100.D Date Analyzed: 06/19/2025
Instrument ID: MSVOA_N Time Analyzed: 09:31
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	157053	8.23	278046	9.11	245271	11.87
UPPER LIMIT	314106	8.729	556092	9.606	490542	12.365
LOWER LIMIT	78526.5	7.729	139023	8.606	122636	11.365
EPA SAMPLE NO.						
TT172S1-20250613	174693	8.23	347567	9.11	313987	11.87
TT172S1-20250613MS	180737	8.23	323339	9.11	287602	11.87
TT172S1-20250613MSD	177485	8.23	324249	9.11	281966	11.87
EB01-20250613	167515	8.23	339842	9.11	308249	11.87
VN0619WBL01	180966	8.23	368878	9.11	337249	11.87
VN0619WBS01	168651	8.23	300634	9.11	265368	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
 Lab File ID: VN087100.D Date Analyzed: 06/19/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:31
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	126484	13.788				
UPPER LIMIT	252968	14.288				
LOWER LIMIT	63242	13.288				
EPA SAMPLE NO.						
TT172S1-20250613	147771	13.79				
TT172S1-20250613MS	145576	13.79				
TT172S1-20250613MSD	142178	13.79				
EB01-20250613	141080	13.79				
VN0619WBL01	156562	13.79				
VN0619WBS01	132931	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0617WBL01		SDG No.:	Q2329
Lab Sample ID:	VN0617WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087047.D	1		06/17/25 10:20	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0617WBL01		SDG No.:	Q2329
Lab Sample ID:	VN0617WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087047.D	1		06/17/25 10:20	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.2		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	53.3		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	201000	8.229				
540-36-3	1,4-Difluorobenzene	404000	9.106				
3114-55-4	Chlorobenzene-d5	369000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0617WBL01		SDG No.:	Q2329
Lab Sample ID:	VN0617WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087047.D	1		06/17/25 10:20	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0618WBL01		SDG No.:	Q2329
Lab Sample ID:	VN0618WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087076.D	1		06/18/25 11:46	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0618WBL01		SDG No.:	Q2329
Lab Sample ID:	VN0618WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087076.D	1		06/18/25 11:46	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	270000	8.229				
540-36-3	1,4-Difluorobenzene	541000	9.106				
3114-55-4	Chlorobenzene-d5	486000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	228000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0618WBL01		SDG No.:	Q2329
Lab Sample ID:	VN0618WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087076.D	1		06/18/25 11:46	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0619WBL01		SDG No.:	Q2329
Lab Sample ID:	VN0619WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087102.D	1		06/19/25 10:26	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0619WBL01		SDG No.:	Q2329
Lab Sample ID:	VN0619WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087102.D	1		06/19/25 10:26	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	53.8		89 - 112		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181000	8.23				
540-36-3	1,4-Difluorobenzene	369000	9.106				
3114-55-4	Chlorobenzene-d5	337000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0619WBL01		SDG No.:	Q2329
Lab Sample ID:	VN0619WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087102.D	1		06/19/25 10:26	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0617WBS01		SDG No.:	Q2329
Lab Sample ID:	VN0617WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087051.D	1		06/17/25 11:59	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	21.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	20.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.6		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.7		0.23	0.75	1.00	ug/L
67-64-1	Acetone	88.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	22.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.8		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	16.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.5		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	88.2		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.7		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.1		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	21.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.1		0.68	2.50	5.00	ug/L
108-88-3	Toluene	21.4		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0617WBS01		SDG No.:	Q2329
Lab Sample ID:	VN0617WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087051.D	1		06/17/25 11:59	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	85.4		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.1		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	21.3		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	42.4		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	21.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.9		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.5		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.7		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	8.23				
540-36-3	1,4-Difluorobenzene	282000	9.106				
3114-55-4	Chlorobenzene-d5	249000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0617WBS01		SDG No.:	Q2329
Lab Sample ID:	VN0617WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087051.D	1		06/17/25 11:59	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0618WBS01		SDG No.:	Q2329
Lab Sample ID:	VN0618WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087077.D	1		06/18/25 12:07	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.6		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.9		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.3		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	82.9		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	20.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	15.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	85.3		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.9		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.4		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.0		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.0		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0618WBS01		SDG No.:	Q2329
Lab Sample ID:	VN0618WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087077.D	1		06/18/25 12:07	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	83.9		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.2		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.1		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.8		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.3		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	214000	8.23				
540-36-3	1,4-Difluorobenzene	380000	9.106				
3114-55-4	Chlorobenzene-d5	333000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0618WBS01		SDG No.:	Q2329
Lab Sample ID:	VN0618WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087077.D	1		06/18/25 12:07	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0619WBS01		SDG No.:	Q2329
Lab Sample ID:	VN0619WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087104.D	1		06/19/25 12:22	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.6		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	89.0		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	20.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	15.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.5		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	81.5		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	16.7		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	19.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.4		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	85.6		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.5		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0619WBS01		SDG No.:	Q2329
Lab Sample ID:	VN0619WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087104.D	1		06/19/25 12:22	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.0		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	75.6		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.9		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.1		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.2		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.1		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.4		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	169000	8.23				
540-36-3	1,4-Difluorobenzene	301000	9.106				
3114-55-4	Chlorobenzene-d5	265000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0619WBS01		SDG No.:	Q2329
Lab Sample ID:	VN0619WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087104.D	1		06/19/25 12:22	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT172S1-20250613MS		SDG No.:	Q2329	
Lab Sample ID:	Q2329-11MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087118.D	1		06/19/25 17:31	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	55.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	48.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	59.7		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	51.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	59.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	59.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	57.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	58.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	250		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	60.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	56.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	44.3		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	55.2		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	56.9		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	57.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	51.1		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	250		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	58.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	57.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	47.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	56.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	56.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	48.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	57.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	56.0		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	97.3		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	56.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	57.4		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	270		0.68	2.50	5.00	ug/L
108-88-3	Toluene	58.6		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT172S1-20250613MS		SDG No.:	Q2329	
Lab Sample ID:	Q2329-11MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087118.D	1		06/19/25 17:31	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	57.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	56.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	57.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	280		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	60.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	58.9		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	57.3		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	57.1		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	55.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	120		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	58.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	58.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	60.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	54.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	55.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	56.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	55.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	56.2		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	52.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.3		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	47.1		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		80 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181000	8.23				
540-36-3	1,4-Difluorobenzene	323000	9.106				
3114-55-4	Chlorobenzene-d5	288000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT172S1-20250613MS		SDG No.:	Q2329	
Lab Sample ID:	Q2329-11MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087118.D	1		06/19/25 17:31	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT172S1-20250613MSD		SDG No.:	Q2329	
Lab Sample ID:	Q2329-12MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087119.D	1		06/19/25 17:52	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	51.5		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	45.1		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	56.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	54.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	55.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	54.7		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	53.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	55.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	230		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	56.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	52.3		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	41.3		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	53.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	53.3		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.8		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	47.3		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	230		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	53.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	44.5		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	52.7		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	53.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	44.6		0.16	0.50	1.00	ug/L
71-43-2	Benzene	53.1		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	51.7		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	93.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	52.5		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	53.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	250		0.68	2.50	5.00	ug/L
108-88-3	Toluene	53.7		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT172S1-20250613MSD		SDG No.:	Q2329	
Lab Sample ID:	Q2329-12MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087119.D	1		06/19/25 17:52	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	52.6		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	52.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	52.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	250		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	56.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	54.1		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	54.1		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	52.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	55.9		0.12	0.50	1.00	ug/L
100-42-5	Styrene	55.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	57.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	51.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	52.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	52.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	53.2		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	52.7		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	49.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	45.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.7		81 - 118		89%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	45.9		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177000	8.23				
540-36-3	1,4-Difluorobenzene	324000	9.106				
3114-55-4	Chlorobenzene-d5	282000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	TT172S1-20250613MSD		SDG No.:	Q2329	
Lab Sample ID:	Q2329-12MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087119.D	1		06/19/25 17:52	VN061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329
Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025
Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49
GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN086862.D	RRF005 = VN086863.D	RRF020 = VN086864.D	RRF050 = VN086865.D	RRF100 = VN086866.D	RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.5
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.1
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Bromochloromethane	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.5
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:								
RRF001 = VN086862.D			RRF005 = VN086863.D			RRF020 = VN086864.D		
RRF050 = VN086865.D			RRF100 = VN086866.D			RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dibromo-3-Chloropropane	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.3
1,2,4-Trichlorobenzene	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.8
1,2,3-Trichlorobenzene	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 09:25

Lab File ID: VN087045.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.589		18.04	20
Chloromethane	0.644	0.606	0.1	-5.9	20
Vinyl Chloride	0.664	0.787		18.52	20
Bromomethane	0.372	0.356		-4.3	20
Chloroethane	0.429	0.494		15.15	20
Trichlorofluoromethane	0.868	1.010		16.36	20
1,1,2-Trichlorotrifluoroethane	0.545	0.630		15.6	20
1,1-Dichloroethene	0.557	0.639		14.72	20
Acetone	0.355	0.377		6.2	20
Carbon Disulfide	1.539	1.891		22.87	20
Methyl tert-butyl Ether	2.015	2.142		6.3	20
Methyl Acetate	1.035	0.892		-13.82	20
Methylene Chloride	0.665	0.719		8.12	20
trans-1,2-Dichloroethene	0.619	0.683		10.34	20
1,1-Dichloroethane	1.120	1.224	0.1	9.29	20
Cyclohexane	1.086	1.096		0.92	20
2-Butanone	0.577	0.533		-7.63	20
Carbon Tetrachloride	0.433	0.499		15.24	20
cis-1,2-Dichloroethene	0.740	0.822		11.08	20
Bromochloromethane	0.550	0.446		-18.91	20
Chloroform	1.118	1.212		8.41	20
1,1,1-Trichloroethane	0.951	1.020		7.26	20
Methylcyclohexane	0.605	0.619		2.31	20
Benzene	1.444	1.635		13.23	20
1,2-Dichloroethane	0.438	0.487		11.19	20
Trichloroethene	0.342	0.394		15.2	20
1,2-Dichloropropane	0.351	0.393		11.97	20
Bromodichloromethane	0.480	0.543		13.13	20
4-Methyl-2-Pentanone	0.543	0.560		3.13	20
Toluene	0.882	1.011		14.63	20
t-1,3-Dichloropropene	0.537	0.611		13.78	20
cis-1,3-Dichloropropene	0.574	0.657		14.46	20
1,1,2-Trichloroethane	0.340	0.378		11.18	20
2-Hexanone	0.350	0.372		6.29	20
Dibromochloromethane	0.354	0.410		15.82	20
1,2-Dibromoethane	0.348	0.393		12.93	20
Tetrachloroethene	0.316	0.349		10.44	20
Chlorobenzene	1.103	1.212	0.3	9.88	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 09:25

Lab File ID: VN087045.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.062		8.53	20
m/p-Xylenes	0.727	0.826		13.62	20
o-Xylene	0.696	0.785		12.79	20
Styrene	1.192	1.347		13	20
Bromoform	0.263	0.307	0.1	16.73	20
Isopropylbenzene	3.643	3.903		7.14	20
1,1,2,2-Tetrachloroethane	1.234	1.342	0.3	8.75	20
1,3-Dichlorobenzene	1.644	1.804		9.73	20
1,4-Dichlorobenzene	1.676	1.853		10.56	20
1,2-Dichlorobenzene	1.579	1.727		9.37	20
1,2-Dibromo-3-Chloropropane	0.295	0.294		-0.34	20
1,2,4-Trichlorobenzene	1.008	0.978		-2.98	20
1,2,3-Trichlorobenzene	1.002	0.936		-6.59	20
1,2-Dichloroethane-d4	0.669	0.621		-7.18	20
Dibromofluoromethane	0.296	0.308		4.05	20
Toluene-d8	1.173	1.147		-2.22	20
4-Bromofluorobenzene	0.436	0.427		-2.06	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 19:43

Lab File ID: VN087072.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.522		4.61	50
Chloromethane	0.644	0.570	0.1	-11.49	50
Vinyl Chloride	0.664	0.724		9.04	50
Bromomethane	0.372	0.372		0	50
Chloroethane	0.429	0.461		7.46	50
Trichlorofluoromethane	0.868	0.926		6.68	50
1,1,2-Trichlorotrifluoroethane	0.545	0.565		3.67	50
1,1-Dichloroethene	0.557	0.599		7.54	50
Acetone	0.355	0.310		-12.68	50
Carbon Disulfide	1.539	1.729		12.35	50
Methyl tert-butyl Ether	2.015	2.049		1.69	50
Methyl Acetate	1.035	0.857		-17.2	50
Methylene Chloride	0.665	0.668		0.45	50
trans-1,2-Dichloroethene	0.619	0.637		2.91	50
1,1-Dichloroethane	1.120	1.150	0.1	2.68	50
Cyclohexane	1.086	0.996		-8.29	50
2-Butanone	0.577	0.516		-10.57	50
Carbon Tetrachloride	0.433	0.449		3.69	50
cis-1,2-Dichloroethene	0.740	0.774		4.59	50
Bromochloromethane	0.550	0.472		-14.18	50
Chloroform	1.118	1.142		2.15	50
1,1,1-Trichloroethane	0.951	0.961		1.05	50
Methylcyclohexane	0.605	0.525		-13.22	50
Benzene	1.444	1.486		2.91	50
1,2-Dichloroethane	0.438	0.437		-0.23	50
Trichloroethene	0.342	0.363		6.14	50
1,2-Dichloropropane	0.351	0.361		2.85	50
Bromodichloromethane	0.480	0.486		1.25	50
4-Methyl-2-Pentanone	0.543	0.513		-5.53	50
Toluene	0.882	0.916		3.86	50
t-1,3-Dichloropropene	0.537	0.548		2.05	50
cis-1,3-Dichloropropene	0.574	0.595		3.66	50
1,1,2-Trichloroethane	0.340	0.348		2.35	50
2-Hexanone	0.350	0.341		-2.57	50
Dibromochloromethane	0.354	0.380		7.34	50
1,2-Dibromoethane	0.348	0.369		6.03	50
Tetrachloroethene	0.316	0.321		1.58	50
Chlorobenzene	1.103	1.160	0.3	5.17	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 19:43

Lab File ID: VN087072.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	1.932		1.68	50
m/p-Xylenes	0.727	0.761		4.68	50
o-Xylene	0.696	0.736		5.75	50
Styrene	1.192	1.265		6.12	50
Bromoform	0.263	0.290	0.1	10.27	50
Isopropylbenzene	3.643	3.620		-0.63	50
1,1,2,2-Tetrachloroethane	1.234	1.264	0.3	2.43	50
1,3-Dichlorobenzene	1.644	1.683		2.37	50
1,4-Dichlorobenzene	1.676	1.712		2.15	50
1,2-Dichlorobenzene	1.579	1.637		3.67	50
1,2-Dibromo-3-Chloropropane	0.295	0.282		-4.41	50
1,2,4-Trichlorobenzene	1.008	0.885		-12.2	50
1,2,3-Trichlorobenzene	1.002	0.861		-14.07	50
1,2-Dichloroethane-d4	0.669	0.576		-13.9	50
Dibromofluoromethane	0.296	0.279		-5.74	50
Toluene-d8	1.173	1.030		-12.19	50
4-Bromofluorobenzene	0.436	0.389		-10.78	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/18/2025 10:21

Lab File ID: VN087074.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.516		3.41	20
Chloromethane	0.644	0.551	0.1	-14.44	20
Vinyl Chloride	0.664	0.705		6.18	20
Bromomethane	0.372	0.373		0.27	20
Chloroethane	0.429	0.449		4.66	20
Trichlorofluoromethane	0.868	0.904		4.15	20
1,1,2-Trichlorotrifluoroethane	0.545	0.568		4.22	20
1,1-Dichloroethene	0.557	0.578		3.77	20
Acetone	0.355	0.348		-1.97	20
Carbon Disulfide	1.539	1.665		8.19	20
Methyl tert-butyl Ether	2.015	1.968		-2.33	20
Methyl Acetate	1.035	0.810		-21.74	20
Methylene Chloride	0.665	0.647		-2.71	20
trans-1,2-Dichloroethene	0.619	0.624		0.81	20
1,1-Dichloroethane	1.120	1.103	0.1	-1.52	20
Cyclohexane	1.086	0.982		-9.58	20
2-Butanone	0.577	0.489		-15.25	20
Carbon Tetrachloride	0.433	0.450		3.93	20
cis-1,2-Dichloroethene	0.740	0.736		-0.54	20
Bromochloromethane	0.550	0.488		-11.27	20
Chloroform	1.118	1.081		-3.31	20
1,1,1-Trichloroethane	0.951	0.924		-2.84	20
Methylcyclohexane	0.605	0.545		-9.92	20
Benzene	1.444	1.468		1.66	20
1,2-Dichloroethane	0.438	0.435		-0.69	20
Trichloroethene	0.342	0.365		6.72	20
1,2-Dichloropropane	0.351	0.360		2.56	20
Bromodichloromethane	0.480	0.491		2.29	20
4-Methyl-2-Pentanone	0.543	0.504		-7.18	20
Toluene	0.882	0.913		3.52	20
t-1,3-Dichloropropene	0.537	0.563		4.84	20
cis-1,3-Dichloropropene	0.574	0.605		5.4	20
1,1,2-Trichloroethane	0.340	0.346		1.76	20
2-Hexanone	0.350	0.340		-2.86	20
Dibromochloromethane	0.354	0.375		5.93	20
1,2-Dibromoethane	0.348	0.363		4.31	20
Tetrachloroethene	0.316	0.325		2.85	20
Chlorobenzene	1.103	1.139	0.3	3.26	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/18/2025 10:21

Lab File ID: VN087074.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	1.933		1.74	20
m/p-Xylenes	0.727	0.764		5.09	20
o-Xylene	0.696	0.732		5.17	20
Styrene	1.192	1.262		5.87	20
Bromoform	0.263	0.290	0.1	10.27	20
Isopropylbenzene	3.643	3.597		-1.26	20
1,1,2,2-Tetrachloroethane	1.234	1.231	0.3	-0.24	20
1,3-Dichlorobenzene	1.644	1.705		3.71	20
1,4-Dichlorobenzene	1.676	1.723		2.8	20
1,2-Dichlorobenzene	1.579	1.614		2.22	20
1,2-Dibromo-3-Chloropropane	0.295	0.276		-6.44	20
1,2,4-Trichlorobenzene	1.008	0.900		-10.71	20
1,2,3-Trichlorobenzene	1.002	0.863		-13.87	20
1,2-Dichloroethane-d4	0.669	0.621		-7.18	20
Dibromofluoromethane	0.296	0.316		6.76	20
Toluene-d8	1.173	1.162		-0.94	20
4-Bromofluorobenzene	0.436	0.447		2.52	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/18/2025 19:42

Lab File ID: VN087098.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.532		6.61	50
Chloromethane	0.644	0.586	0.1	-9.01	50
Vinyl Chloride	0.664	0.742		11.75	50
Bromomethane	0.372	0.385		3.49	50
Chloroethane	0.429	0.473		10.26	50
Trichlorofluoromethane	0.868	0.960		10.6	50
1,1,2-Trichlorotrifluoroethane	0.545	0.597		9.54	50
1,1-Dichloroethene	0.557	0.608		9.16	50
Acetone	0.355	0.325		-8.45	50
Carbon Disulfide	1.539	1.739		12.99	50
Methyl tert-butyl Ether	2.015	2.066		2.53	50
Methyl Acetate	1.035	1.067		3.09	50
Methylene Chloride	0.665	0.685		3.01	50
trans-1,2-Dichloroethene	0.619	0.648		4.68	50
1,1-Dichloroethane	1.120	1.175	0.1	4.91	50
Cyclohexane	1.086	1.032		-4.97	50
2-Butanone	0.577	0.534		-7.45	50
Carbon Tetrachloride	0.433	0.464		7.16	50
cis-1,2-Dichloroethene	0.740	0.782		5.68	50
Bromochloromethane	0.550	0.510		-7.27	50
Chloroform	1.118	1.163		4.03	50
1,1,1-Trichloroethane	0.951	0.980		3.05	50
Methylcyclohexane	0.605	0.542		-10.41	50
Benzene	1.444	1.508		4.43	50
1,2-Dichloroethane	0.438	0.451		2.97	50
Trichloroethene	0.342	0.363		6.14	50
1,2-Dichloropropane	0.351	0.365		3.99	50
Bromodichloromethane	0.480	0.499		3.96	50
4-Methyl-2-Pentanone	0.543	0.534		-1.66	50
Toluene	0.882	0.940		6.58	50
t-1,3-Dichloropropene	0.537	0.552		2.79	50
cis-1,3-Dichloropropene	0.574	0.600		4.53	50
1,1,2-Trichloroethane	0.340	0.357		5	50
2-Hexanone	0.350	0.358		2.29	50
Dibromochloromethane	0.354	0.390		10.17	50
1,2-Dibromoethane	0.348	0.364		4.6	50
Tetrachloroethene	0.316	0.324		2.53	50
Chlorobenzene	1.103	1.153	0.3	4.53	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/18/2025 19:42

Lab File ID: VN087098.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	1.939		2.05	50
m/p-Xylenes	0.727	0.770		5.91	50
o-Xylene	0.696	0.743		6.75	50
Styrene	1.192	1.271		6.63	50
Bromoform	0.263	0.294	0.1	11.79	50
Isopropylbenzene	3.643	3.579		-1.76	50
1,1,2,2-Tetrachloroethane	1.234	1.250	0.3	1.3	50
1,3-Dichlorobenzene	1.644	1.670		1.58	50
1,4-Dichlorobenzene	1.676	1.718		2.51	50
1,2-Dichlorobenzene	1.579	1.620		2.6	50
1,2-Dibromo-3-Chloropropane	0.295	0.271		-8.14	50
1,2,4-Trichlorobenzene	1.008	0.875		-13.19	50
1,2,3-Trichlorobenzene	1.002	0.856		-14.57	50
1,2-Dichloroethane-d4	0.669	0.687		2.69	50
Dibromofluoromethane	0.296	0.331		11.82	50
Toluene-d8	1.173	1.212		3.33	50
4-Bromofluorobenzene	0.436	0.455		4.36	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/19/2025 09:31

Lab File ID: VN087100.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.585		17.23	20
Chloromethane	0.644	0.634	0.1	-1.55	20
Vinyl Chloride	0.664	0.815		22.74	20
Bromomethane	0.372	0.402		8.06	20
Chloroethane	0.429	0.507		18.18	20
Trichlorofluoromethane	0.868	1.014		16.82	20
1,1,2-Trichlorotrifluoroethane	0.545	0.630		15.6	20
1,1-Dichloroethene	0.557	0.654		17.42	20
Acetone	0.355	0.363		2.25	20
Carbon Disulfide	1.539	1.886		22.55	20
Methyl tert-butyl Ether	2.015	2.213		9.83	20
Methyl Acetate	1.035	0.948		-8.41	20
Methylene Chloride	0.665	0.738		10.98	20
trans-1,2-Dichloroethene	0.619	0.703		13.57	20
1,1-Dichloroethane	1.120	1.266	0.1	13.04	20
Cyclohexane	1.086	1.122		3.32	20
2-Butanone	0.577	0.562		-2.6	20
Carbon Tetrachloride	0.433	0.512		18.25	20
cis-1,2-Dichloroethene	0.740	0.835		12.84	20
Bromochloromethane	0.550	0.517		-6	20
Chloroform	1.118	1.245		11.36	20
1,1,1-Trichloroethane	0.951	1.077		13.25	20
Methylcyclohexane	0.605	0.600		-0.83	20
Benzene	1.444	1.656		14.68	20
1,2-Dichloroethane	0.438	0.494		12.78	20
Trichloroethene	0.342	0.404		18.13	20
1,2-Dichloropropane	0.351	0.401		14.24	20
Bromodichloromethane	0.480	0.550		14.58	20
4-Methyl-2-Pentanone	0.543	0.579		6.63	20
Toluene	0.882	1.023		15.99	20
t-1,3-Dichloropropene	0.537	0.629		17.13	20
cis-1,3-Dichloropropene	0.574	0.666		16.03	20
1,1,2-Trichloroethane	0.340	0.388		14.12	20
2-Hexanone	0.350	0.383		9.43	20
Dibromochloromethane	0.354	0.422		19.21	20
1,2-Dibromoethane	0.348	0.397		14.08	20
Tetrachloroethene	0.316	0.356		12.66	20
Chlorobenzene	1.103	1.267	0.3	14.87	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329
 Instrument ID: MSVOA_N Calibration Date/Time: 06/19/2025 09:31
 Lab File ID: VN087100.D Init. Calib. Date(s): 06/06/2025 06/06/2025
 Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.140		12.63	20
m/p-Xylenes	0.727	0.852		17.19	20
o-Xylene	0.696	0.807		15.95	20
Styrene	1.192	1.397		17.2	20
Bromoform	0.263	0.322	0.1	22.43	20
Isopropylbenzene	3.643	3.878		6.45	20
1,1,2,2-Tetrachloroethane	1.234	1.343	0.3	8.83	20
1,3-Dichlorobenzene	1.644	1.837		11.74	20
1,4-Dichlorobenzene	1.676	1.831		9.25	20
1,2-Dichlorobenzene	1.579	1.745		10.51	20
1,2-Dibromo-3-Chloropropane	0.295	0.295		0	20
1,2,4-Trichlorobenzene	1.008	0.951		-5.66	20
1,2,3-Trichlorobenzene	1.002	0.907		-9.48	20
1,2-Dichloroethane-d4	0.669	0.604		-9.72	20
Dibromofluoromethane	0.296	0.296		0	20
Toluene-d8	1.173	1.094		-6.74	20
4-Bromofluorobenzene	0.436	0.411		-5.73	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/19/2025 18:13

Lab File ID: VN087120.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.482		-3.41	50
Chloromethane	0.644	0.526	0.1	-18.32	50
Vinyl Chloride	0.664	0.677		1.96	50
Bromomethane	0.372	0.377		1.34	50
Chloroethane	0.429	0.433		0.93	50
Trichlorofluoromethane	0.868	0.882		1.61	50
1,1,2-Trichlorotrifluoroethane	0.545	0.541		-0.73	50
1,1-Dichloroethene	0.557	0.568		1.98	50
Acetone	0.355	0.293		-17.47	50
Carbon Disulfide	1.539	1.584		2.92	50
Methyl tert-butyl Ether	2.015	1.943		-3.57	50
Methyl Acetate	1.035	0.877		-15.27	50
Methylene Chloride	0.665	0.635		-4.51	50
trans-1,2-Dichloroethene	0.619	0.603		-2.59	50
1,1-Dichloroethane	1.120	1.084	0.1	-3.21	50
Cyclohexane	1.086	0.968		-10.87	50
2-Butanone	0.577	0.489		-15.25	50
Carbon Tetrachloride	0.433	0.436		0.69	50
cis-1,2-Dichloroethene	0.740	0.731		-1.22	50
Bromochloromethane	0.550	0.469		-14.73	50
Chloroform	1.118	1.070		-4.29	50
1,1,1-Trichloroethane	0.951	0.916		-3.68	50
Methylcyclohexane	0.605	0.534		-11.74	50
Benzene	1.444	1.436		-0.55	50
1,2-Dichloroethane	0.438	0.422		-3.65	50
Trichloroethene	0.342	0.352		2.92	50
1,2-Dichloropropane	0.351	0.352		0.28	50
Bromodichloromethane	0.480	0.476		-0.83	50
4-Methyl-2-Pentanone	0.543	0.501		-7.74	50
Toluene	0.882	0.891		1.02	50
t-1,3-Dichloropropene	0.537	0.540		0.56	50
cis-1,3-Dichloropropene	0.574	0.575		0.17	50
1,1,2-Trichloroethane	0.340	0.334		-1.76	50
2-Hexanone	0.350	0.326		-6.86	50
Dibromochloromethane	0.354	0.374		5.65	50
1,2-Dibromoethane	0.348	0.352		1.15	50
Tetrachloroethene	0.316	0.313		-0.95	50
Chlorobenzene	1.103	1.113	0.3	0.91	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329

Instrument ID: MSVOA_N Calibration Date/Time: 06/19/2025 18:13

Lab File ID: VN087120.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	1.856		-2.32	50
m/p-Xylenes	0.727	0.750		3.16	50
o-Xylene	0.696	0.725		4.17	50
Styrene	1.192	1.220		2.35	50
Bromoform	0.263	0.283	0.1	7.61	50
Isopropylbenzene	3.643	3.488		-4.26	50
1,1,2,2-Tetrachloroethane	1.234	1.178	0.3	-4.54	50
1,3-Dichlorobenzene	1.644	1.636		-0.49	50
1,4-Dichlorobenzene	1.676	1.668		-0.48	50
1,2-Dichlorobenzene	1.579	1.538		-2.6	50
1,2-Dibromo-3-Chloropropane	0.295	0.264		-10.51	50
1,2,4-Trichlorobenzene	1.008	0.895		-11.21	50
1,2,3-Trichlorobenzene	1.002	0.856		-14.57	50
1,2-Dichloroethane-d4	0.669	0.621		-7.18	50
Dibromofluoromethane	0.296	0.309		4.39	50
Toluene-d8	1.173	1.157		-1.36	50
4-Bromofluorobenzene	0.436	0.441		1.15	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

LAB CHRONICLE

OrderID:	Q2329	OrderDate:	6/13/2025 2:09:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	D51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2329-01	TT192D1-20250611	Water	SVOC-SIMGroup1	8270-Modified	06/11/25	06/17/25	06/19/25	06/13/25
Q2329-02	TT188S1-20250612	Water	SVOC-SIMGroup1	8270-Modified	06/12/25	06/17/25	06/19/25	06/13/25
Q2329-03	TT119S1-20250612	Water	SVOC-SIMGroup1	8270-Modified	06/12/25	06/17/25	06/19/25	06/13/25
Q2329-04	FB01-20250613	Water	SVOC-SIMGroup1	8270-Modified	06/13/25	06/17/25	06/19/25	06/13/25
Q2329-05	TT162S1-20250613	Water	SVOC-SIMGroup1	8270-Modified	06/13/25	06/17/25	06/19/25	06/13/25
Q2329-09	TT149S1-20250613	Water	SVOC-SIMGroup1	8270-Modified	06/13/25	06/17/25	06/19/25	06/13/25
Q2329-10	TT172S1-20250613	Water	SVOC-SIMGroup1	8270-Modified	06/13/25	06/17/25	06/18/25	06/13/25
Q2329-14	DUP04-20250613	Water	SVOC-SIMGroup1	8270-Modified	06/13/25	06/17/25	06/19/25	06/13/25
Q2329-15	EB01-20250613	Water	SVOC-SIMGroup1	8270-Modified	06/13/25	06/17/25	06/19/25	06/13/25
Q2329-18	TT163S1-20250613	Water	SVOC-SIMGroup1	8270-Modified	06/13/25	06/17/25	06/19/25	06/13/25

Hit Summary Sheet SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	TT192D1-20250611								
Q2329-01	TT192D1-20250611	WATER	1,4-Dioxane	1.600		0.07	0.22	0.22	ug/L
			Total Svoc :			1.60			
			Total Concentration:			1.60			
Client ID :	TT188S1-20250612								
Q2329-02	TT188S1-20250612	WATER	1,4-Dioxane	0.120	J	0.07	0.2	0.2	ug/L
			Total Svoc :			0.12			
			Total Concentration:			0.12			
Client ID :	TT162S1-20250613								
Q2329-05	TT162S1-20250613	WATER	1,4-Dioxane	0.200		0.07	0.2	0.2	ug/L
			Total Svoc :			0.20			
			Total Concentration:			0.20			
Client ID :	TT149S1-20250613								
Q2329-09	TT149S1-20250613	WATER	1,4-Dioxane	0.240		0.07	0.2	0.2	ug/L
			Total Svoc :			0.24			
			Total Concentration:			0.24			
Client ID :	TT172S1-20250613								
Q2329-10	TT172S1-20250613	WATER	1,4-Dioxane	1.600	M	0.07	0.2	0.2	ug/L
			Total Svoc :			1.60			
			Total Concentration:			1.60			
Client ID :	DUP04-20250613								
Q2329-14	DUP04-20250613	WATER	1,4-Dioxane	0.270		0.07	0.21	0.21	ug/L
			Total Svoc :			0.27			
			Total Concentration:			0.27			
Client ID :	TT163S1-20250613								
Q2329-18	TT163S1-20250613	WATER	1,4-Dioxane	0.520		0.07	0.2	0.2	ug/L
			Total Svoc :			0.52			
			Total Concentration:			0.52			



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/13/25
Client Sample ID:	TT192D1-20250611	SDG No.:	Q2329
Lab Sample ID:	Q2329-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037328.D	1	06/17/25 08:55	06/19/25 00:28	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.60		0.070	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		63%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		96%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	631	7.575				
1146-65-2	Naphthalene-d8	1440	10.351				
15067-26-2	Acenaphthene-d10	1060	14.224				
1517-22-2	Phenanthrene-d10	2180	16.971				
1719-03-5	Chrysene-d12	2470	21.171				
1520-96-3	Perylene-d12	2820	23.351				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/13/25
Client Sample ID:	TT188S1-20250612	SDG No.:	Q2329
Lab Sample ID:	Q2329-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037329.D	1	06/17/25 08:55	06/19/25 01:04	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.12	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		85%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		119%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	805	7.575				
1146-65-2	Naphthalene-d8	1810	10.351				
15067-26-2	Acenaphthene-d10	1320	14.224				
1517-22-2	Phenanthrene-d10	2640	16.971				
1719-03-5	Chrysene-d12	2640	21.171				
1520-96-3	Perylene-d12	2750	23.357				

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MDL = Method Detection Limit

LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25
Client Sample ID:	TT119S1-20250612		SDG No.:	Q2329
Lab Sample ID:	Q2329-03		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	970	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037330.D	1	06/17/25 08:55	06/19/25 01:41	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	U	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		114%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	676	7.575				
1146-65-2	Naphthalene-d8	1470	10.351				
15067-26-2	Acenaphthene-d10	1030	14.224				
1517-22-2	Phenanthrene-d10	2190	16.971				
1719-03-5	Chrysene-d12	2320	21.171				
1520-96-3	Perylene-d12	2520	23.357				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	FB01-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-04		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037331.D	1	06/17/25 08:55	06/19/25 02:17	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	U	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.40		30 - 150		100%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.45		30 - 150		112%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		100%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		124%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	726	7.568				
1146-65-2	Naphthalene-d8	1560	10.351				
15067-26-2	Acenaphthene-d10	1140	14.224				
1517-22-2	Phenanthrene-d10	2310	16.971				
1719-03-5	Chrysene-d12	2350	21.171				
1520-96-3	Perylene-d12	2630	23.354				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/13/25
Client Sample ID:	TT162S1-20250613	SDG No.:	Q2329
Lab Sample ID:	Q2329-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037332.D	1	06/17/25 08:55	06/19/25 02:53	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		125%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	715	7.575				
1146-65-2	Naphthalene-d8	1480	10.351				
15067-26-2	Acenaphthene-d10	1100	14.224				
1517-22-2	Phenanthrene-d10	2290	16.971				
1719-03-5	Chrysene-d12	2300	21.171				
1520-96-3	Perylene-d12	2450	23.357				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/13/25
Client Sample ID:	TT149S1-20250613	SDG No.:	Q2329
Lab Sample ID:	Q2329-09	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037333.D	1	06/17/25 08:55	06/19/25 03:29	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.24		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		111%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	693	7.568				
1146-65-2	Naphthalene-d8	1540	10.351				
15067-26-2	Acenaphthene-d10	1130	14.224				
1517-22-2	Phenanthrene-d10	2490	16.971				
1719-03-5	Chrysene-d12	2570	21.171				
1520-96-3	Perylene-d12	2710	23.354				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/13/25
Client Sample ID:	TT172S1-20250613	SDG No.:	Q2329
Lab Sample ID:	Q2329-10	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037325.D	1	06/17/25 08:55	06/18/25 22:39	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.60	M	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.42		30 - 150		104%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		111%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		99%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	552		7.575			
1146-65-2	Naphthalene-d8	1220		10.351			
15067-26-2	Acenaphthene-d10	954		14.224			
1517-22-2	Phenanthrene-d10	1980		16.971			
1719-03-5	Chrysene-d12	2040		21.171			
1520-96-3	Perylene-d12	2140		23.357			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/13/25
Client Sample ID:	DUP04-20250613	SDG No.:	Q2329
Lab Sample ID:	Q2329-14	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037334.D	1	06/17/25 08:55	06/19/25 04:05	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.27		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	756	7.568				
1146-65-2	Naphthalene-d8	1700	10.351				
15067-26-2	Acenaphthene-d10	1190	14.213				
1517-22-2	Phenanthrene-d10	2600	16.971				
1719-03-5	Chrysene-d12	2690	21.171				
1520-96-3	Perylene-d12	2780	23.354				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25	
Client Sample ID:	EB01-20250613		SDG No.:	Q2329	
Lab Sample ID:	Q2329-15		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037335.D	1	06/17/25 08:55	06/19/25 04:42	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		115%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	786	7.568				
1146-65-2	Naphthalene-d8	1730	10.351				
15067-26-2	Acenaphthene-d10	1240	14.224				
1517-22-2	Phenanthrene-d10	2670	16.971				
1719-03-5	Chrysene-d12	2620	21.171				
1520-96-3	Perylene-d12	2770	23.354				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/13/25
Client Sample ID:	TT163S1-20250613		SDG No.:	Q2329
Lab Sample ID:	Q2329-18		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037336.D	1	06/17/25 08:55	06/19/25 05:18	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.52		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.49		30 - 150		123%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		85%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		111%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	800	7.568				
1146-65-2	Naphthalene-d8	1770	10.351				
15067-26-2	Acenaphthene-d10	1340	14.213				
1517-22-2	Phenanthrene-d10	3030	16.971				
1719-03-5	Chrysene-d12	3750	21.171				
1520-96-3	Perylene-d12	4130	23.351				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168508BL	PB168508BL	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
		Fluoranthene-d10	0.4	0.45	113		30	150
		Nitrobenzene-d5	0.4	0.35	87		55	111
		2-Fluorobiphenyl	0.4	0.36	91		53	106
		Terphenyl-d14	0.4	0.42	106		58	132
PB168508BS	PB168508BS	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
		Fluoranthene-d10	0.4	0.33	82		30	150
		Nitrobenzene-d5	0.4	0.34	85		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.36	91		58	132
Q2329-01	TT192D1-20250611	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.39	96		30	150
		Nitrobenzene-d5	0.4	0.25	63		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.38	96		58	132
Q2329-02	TT188S1-20250612	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.48	119		58	132
Q2329-03	TT119S1-20250612	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
		Fluoranthene-d10	0.4	0.46	114		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
Q2329-04	FB01-20250613	2-Methylnaphthalene-d10	0.4	0.40	100		30	150
		Fluoranthene-d10	0.4	0.45	112		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.40	100		53	106
		Terphenyl-d14	0.4	0.50	124		58	132
Q2329-05	TT162S1-20250613	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.30	76		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.50	125		58	132
Q2329-09	TT149S1-20250613	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.42	105		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.31	79		53	106
		Terphenyl-d14	0.4	0.44	111		58	132
Q2329-10	TT172S1-20250613	2-Methylnaphthalene-d10	0.4	0.42	104		30	150
		Fluoranthene-d10	0.4	0.44	111		30	150
		Nitrobenzene-d5	0.4	0.32	81		55	111
		2-Fluorobiphenyl	0.4	0.40	99		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
Q2329-11MS	TT172S1-20250613MS	2-Methylnaphthalene-d10	0.4	0.39	98		30	150
		Fluoranthene-d10	0.4	0.43	108		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.54	134	*	58	132
Q2329-12MSD	TT172S1-20250613MSD	2-Methylnaphthalene-d10	0.4	0.36	90		30	150

Surrogate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2329-12MSD	TT172S1-20250613MSD	Fluoranthene-d10	0.4	0.45	111		30	150
		Nitrobenzene-d5	0.4	0.32	81		55	111
		2-Fluorobiphenyl	0.4	0.36	91		53	106
		Terphenyl-d14	0.4	0.53	133	*	58	132
Q2329-14	DUP04-20250613	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
Q2329-15	EB01-20250613	Terphenyl-d14	0.4	0.47	118		58	132
		2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
Q2329-18	TT163S1-20250613	2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.46	115		58	132
		2-Methylnaphthalene-d10	0.4	0.35	87		30	150
		Fluoranthene-d10	0.4	0.49	123		30	150
		Nitrobenzene-d5	0.4	0.34	85		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.44	111		58	132

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q2329
Client: AECOM Technical Services, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2329-11MS		Client Sample ID: TT172S1-20250613MS						DataFile: BN037326.D			
1,4-Dioxane	0.41	1.60	1.50	ug/L	-24	*			70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q2329
Client: AECOM Technical Services, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2329-12MSD		Client Sample ID: TT172S1-20250613MSD						DataFile: BN037327.D			
1,4-Dioxane	0.4	1.60	1.50	ug/L	-25	*	4		70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2329

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified DataFile: BN037337.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB168508BS	1,4-Dioxane	0.4	0.44	ug/L	110				70	130	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168508BL

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2329

SAS No.: Q2329 SDG NO.: Q2329

Lab File ID: BN037324.D

Lab Sample ID: PB168508BL

Instrument ID: BNA_N

Date Extracted: 06/17/2025

Matrix: (soil/water) Water

Date Analyzed: 06/18/2025

Level: (low/med) LOW

Time Analyzed: 22:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168508BS	PB168508BS	BN037337.D	06/19/2025
TT192D1-20250611	Q2329-01	BN037328.D	06/19/2025
TT188S1-20250612	Q2329-02	BN037329.D	06/19/2025
TT119S1-20250612	Q2329-03	BN037330.D	06/19/2025
FB01-20250613	Q2329-04	BN037331.D	06/19/2025
TT172S1-20250613	Q2329-10	BN037325.D	06/18/2025
TT172S1-20250613MS	Q2329-11MS	BN037326.D	06/18/2025
TT172S1-20250613MSD	Q2329-12MSD	BN037327.D	06/18/2025
TT162S1-20250613	Q2329-05	BN037332.D	06/19/2025
TT149S1-20250613	Q2329-09	BN037333.D	06/19/2025
DUP04-20250613	Q2329-14	BN037334.D	06/19/2025
EB01-20250613	Q2329-15	BN037335.D	06/19/2025
TT163S1-20250613	Q2329-18	BN037336.D	06/19/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2329

SDG NO.: Q2329

Lab File ID: BN037312.D

DFTPP Injection Date: 06/18/2025

Instrument ID: BNA_N

DFTPP Injection Time: 13:27

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.3) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	7.2
441	Present, but less than mass 443	78.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.9 (20.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037313.D	06/18/2025	14:06
SSTDICC0.2	SSTDICC0.2	BN037314.D	06/18/2025	14:42
SSTDICCC0.4	SSTDICCC0.4	BN037315.D	06/18/2025	15:18
SSTDICC0.8	SSTDICC0.8	BN037316.D	06/18/2025	15:55
SSTDICC1.6	SSTDICC1.6	BN037317.D	06/18/2025	16:31
SSTDICC3.2	SSTDICC3.2	BN037318.D	06/18/2025	17:07
SSTDICC5.0	SSTDICC5.0	BN037319.D	06/18/2025	17:43

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2329 SDG NO.: Q2329

Lab File ID: BN037322.D

DFTPP Injection Date: 06/18/2025

Instrument ID: BNA_N

DFTPP Injection Time: 20:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	7.8
441	Present, but less than mass 443	85.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.1 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037323.D	06/18/2025	21:26
PB168508BL	PB168508BL	BN037324.D	06/18/2025	22:02
TT172S1-20250613	Q2329-10	BN037325.D	06/18/2025	22:39
TT172S1-20250613MS	Q2329-11MS	BN037326.D	06/18/2025	23:15
TT172S1-20250613MSD	Q2329-12MSD	BN037327.D	06/18/2025	23:52
TT192D1-20250611	Q2329-01	BN037328.D	06/19/2025	00:28
TT188S1-20250612	Q2329-02	BN037329.D	06/19/2025	01:04
TT119S1-20250612	Q2329-03	BN037330.D	06/19/2025	01:41
FB01-20250613	Q2329-04	BN037331.D	06/19/2025	02:17
TT162S1-20250613	Q2329-05	BN037332.D	06/19/2025	02:53
TT149S1-20250613	Q2329-09	BN037333.D	06/19/2025	03:29
DUP04-20250613	Q2329-14	BN037334.D	06/19/2025	04:05
EB01-20250613	Q2329-15	BN037335.D	06/19/2025	04:42
TT163S1-20250613	Q2329-18	BN037336.D	06/19/2025	05:18
PB168508BS	PB168508BS	BN037337.D	06/19/2025	05:54
SSTDCCC0.4EC	SSTDCCC0.4	BN037338.D	06/19/2025	07:06

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329
EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/18/2025
Lab File ID: BN037323.D Time Analyzed: 21:26
Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	749	7.575	1639	10.35	1188	14.22
UPPER LIMIT	1498	8.075	3278	10.851	2376	14.724
LOWER LIMIT	374.5	7.075	819.5	9.851	594	13.724
EPA SAMPLE NO.						
01 PB168508BL	562	7.58	1150	10.36	831	14.22
02 TT172S1-20250613	552	7.58	1224	10.35	954	14.22
03 TT192D1-20250611	631	7.58	1435	10.35	1064	14.22
04 TT188S1-20250612	805	7.58	1809	10.35	1315	14.22
05 TT119S1-20250612	676	7.58	1473	10.35	1030	14.22
06 FB01-20250613	726	7.57	1555	10.35	1144	14.22
07 PB168508BS	1288	7.57	2690	10.34	1686	14.21
08 TT162S1-20250613	715	7.58	1482	10.35	1103	14.22
09 TT149S1-20250613	693	7.57	1543	10.35	1129	14.22
10 TT172S1-20250613MS	620	7.57	1373	10.35	997	14.22
11 TT172S1-20250613MSD	652	7.57	1479	10.35	1035	14.22
12 DUP04-20250613	756	7.57	1697	10.35	1190	14.21
13 EB01-20250613	786	7.57	1733	10.35	1237	14.22
14 TT163S1-20250613	800	7.57	1772	10.35	1339	14.21

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG NO.: Q2329

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/18/2025

Lab File ID: BN037323.D Time Analyzed: 21:26

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2584	16.971	2436	21.171	2490	23.357
	UPPER LIMIT	5168	17.471	4872	21.671	4980	23.857
	LOWER LIMIT	1292	16.471	1218	20.671	1245	22.857
	EPA SAMPLE NO.						
01	PB168508BL	1490	16.98	1687	21.18	1359	23.37
02	TT172S1-20250613	1976	16.97	2039	21.17	2136	23.36
03	TT192D1-20250611	2175	16.97	2468	21.17	2823	23.35
04	TT188S1-20250612	2637	16.97	2639	21.17	2745	23.36
05	TT119S1-20250612	2192	16.97	2323	21.17	2519	23.36
06	FB01-20250613	2312	16.97	2354	21.17	2632	23.35
07	PB168508BS	3212	16.97	3029	21.17	3232	23.35
08	TT162S1-20250613	2287	16.97	2301	21.17	2452	23.36
09	TT149S1-20250613	2488	16.97	2574	21.17	2711	23.35
10	TT172S1-20250613MS	2208	16.97	2274	21.17	2391	23.36
11	TT172S1-20250613MSD	2193	16.97	2332	21.17	2470	23.35
12	DUP04-20250613	2601	16.97	2687	21.17	2780	23.35
13	EB01-20250613	2666	16.97	2615	21.17	2770	23.35
14	TT163S1-20250613	3031	16.97	3753	21.17	4134	23.35

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	PB168508BL		SDG No.:	Q2329
Lab Sample ID:	PB168508BL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037324.D	1	06/17/25 08:55	06/18/25 22:02	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.45		30 - 150		113%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		106%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	562	7.575				
1146-65-2	Naphthalene-d8	1150	10.362				
15067-26-2	Acenaphthene-d10	831	14.224				
1517-22-2	Phenanthrene-d10	1490	16.984				
1719-03-5	Chrysene-d12	1690	21.18				
1520-96-3	Perylene-d12	1360	23.366				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	PB168508BS		SDG No.:	Q2329
Lab Sample ID:	PB168508BS		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037337.D	1	06/17/25 08:55	06/19/25 05:54	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.44		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		82%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		85%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		91%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1290	7.568				
1146-65-2	Naphthalene-d8	2690	10.34				
15067-26-2	Acenaphthene-d10	1690	14.213				
1517-22-2	Phenanthrene-d10	3210	16.971				
1719-03-5	Chrysene-d12	3030	21.171				
1520-96-3	Perylene-d12	3230	23.354				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/13/25
Client Sample ID:	TT172S1-20250613MS	SDG No.:	Q2329
Lab Sample ID:	Q2329-11MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037326.D	1	06/17/25 08:55	06/18/25 23:15	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.50		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		98%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	58 - 132		134%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	620		7.568			
1146-65-2	Naphthalene-d8	1370		10.351			
15067-26-2	Acenaphthene-d10	997		14.224			
1517-22-2	Phenanthrene-d10	2210		16.971			
1719-03-5	Chrysene-d12	2270		21.171			
1520-96-3	Perylene-d12	2390		23.357			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/13/25
Client Sample ID:	TT172S1-20250613MSD	SDG No.:	Q2329
Lab Sample ID:	Q2329-12MSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037327.D	1	06/17/25 08:55	06/18/25 23:52	PB168508

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.50		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.45		30 - 150		111%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53	*	58 - 132		133%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	652		7.568			
1146-65-2	Naphthalene-d8	1480		10.351			
15067-26-2	Acenaphthene-d10	1040		14.224			
1517-22-2	Phenanthrene-d10	2190		16.971			
1719-03-5	Chrysene-d12	2330		21.171			
1520-96-3	Perylene-d12	2470		23.351			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN061925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 18 18:40:16 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037313.D 0.2 =BN037314.D 0.4 =BN037315.D 0.8 =BN037316.D 1.6 =BN037317.D 3.2 =BN037318.D 5.0 =BN037319.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.422	0.403	0.336	0.344	0.319	0.318	0.357	12.55	
3)	n-Nitrosodimet...	0.478	0.403	0.399	0.423	0.392	0.387	0.414	8.21	
4) S	2-Fluorophenol	0.728	0.755	0.721	0.701	0.751	0.710	0.723	0.727	2.76
5) S	Phenol-d6	0.508	0.618	0.704	0.713	0.800	0.811	0.849	0.715	16.83
6)	bis(2-Chloroet...	0.451	0.517	0.558	0.643	0.712	0.693	0.709	0.612	16.95
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.327	0.262	0.328	0.314	0.368	0.362	0.372	0.333	11.64
9)	Naphthalene	1.023	1.012	1.032	1.010	1.085	1.028	1.055	1.035	2.57
10)	Hexachlorobuta...	0.565	0.542	0.559	0.522	0.541	0.481	0.454	0.524	7.89
11) SURR2	Methylnaphth...	0.582	0.585	0.688	0.639	0.697	0.669	0.692	0.650	7.62
12)	2-Methylnaphth...	0.593	0.695	0.710	0.726	0.802	0.771	0.804	0.729	10.14
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.315	0.274	0.290	0.289	0.318	0.294	0.285	0.295	5.44
15) S	2-Fluorobiphenyl	1.547	1.636	1.764	1.756	1.928	1.835	1.804	1.753	7.22
16)	Acenaphthylene	1.677	1.605	1.625	1.624	1.768	1.728	1.752	1.683	3.98
17)	Acenaphthene	1.102	1.115	1.092	1.071	1.169	1.134	1.139	1.117	2.92
18)	Fluorene	1.455	1.522	1.548	1.564	1.692	1.649	1.656	1.584	5.37
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.110	0.094	0.118	0.134	0.139	0.143	0.123	15.61	
21)	4-Bromophenyl-...	0.329	0.333	0.316	0.320	0.350	0.341	0.334	0.332	3.55
22)	Hexachlorobenzene	0.364	0.377	0.364	0.336	0.354	0.324	0.315	0.348	6.67
23)	Atrazine	0.247	0.262	0.245	0.253	0.275	0.268	0.265	0.259	4.37
24)	Pentachlorophenol	0.196	0.171	0.187	0.205	0.199	0.198	0.193	6.31	
25)	Phenanthrene	1.100	1.077	1.075	1.081	1.186	1.165	1.200	1.126	4.92
26)	Anthracene	0.954	1.000	0.996	1.019	1.118	1.141	1.166	1.056	7.92
27) SURR	Fluoranthene-d10	1.279	1.248	1.320	1.279	1.291	1.234	1.226	1.268	2.65
28)	Fluoranthene	1.584	1.540	1.494	1.576	1.613	1.570	1.574	1.564	2.42
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.497	1.481	1.602	1.395	1.602	1.518	1.570	1.523	4.90
31) S	Terphenyl-d14	0.829	0.875	0.957	0.866	0.997	0.944	0.956	0.918	6.66
32)	Benzo(a)anthra...	1.066	1.166	1.197	1.305	1.429	1.395	1.460	1.288	11.60
33)	Chrysene	1.845	1.729	1.648	1.539	1.696	1.528	1.524	1.644	7.41
34)	Bis(2-ethylhex...	0.570	0.536	0.501	0.524	0.502	0.537	0.528	4.89	
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN061925.M

36)	Indeno(1,2,3-c...	1.366	1.552	1.601	1.655	1.845	1.893	1.863	1.682	11.58
37)	Benzo(b)fluora...	1.268	1.244	1.290	1.382	1.543	1.499	1.554	1.397	9.60
38)	Benzo(k)fluora...	1.429	1.439	1.528	1.525	1.627	1.587	1.608	1.535	5.13
39) C	Benzo(a)pyrene	1.215	1.223	1.244	1.271	1.372	1.360	1.371	1.294	5.54
40)	Dibenzo(a,h)an...	1.180	1.246	1.241	1.286	1.498	1.504	1.504	1.351	10.70
41)	Benzo(g,h,i)pe...	1.468	1.470	1.481	1.486	1.661	1.625	1.604	1.542	5.45

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329
 Instrument ID: BNA_N Calibration Date/Time: 06/18/2025 21:26
 Lab File ID: BN037323.D Init. Calib. Date(s): 06/18/2025 06/18/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 14:06 17:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.650	0.700		7.7	20.0
Fluoranthene-d10	1.268	1.254		-1.1	20.0
2-Fluorophenol	0.727	0.722		-0.7	20.0
Phenol-d6	0.715	0.725		1.4	20.0
Nitrobenzene-d5	0.333	0.337		1.2	20.0
2-Fluorobiphenyl	1.753	1.795		2.4	20.0
2,4,6-Tribromophenol	0.295	0.291		-1.4	20.0
Terphenyl-d14	0.918	0.934		1.7	20.0
1,4-Dioxane	0.357	0.374		4.8	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329
 Instrument ID: BNA_N Calibration Date/Time: 06/19/2025 07:06
 Lab File ID: BN037338.D Init. Calib. Date(s): 06/18/2025 06/18/2025
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 14:06 17:43
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.650	0.706		8.6	50.0
Fluoranthene-d10	1.268	1.307		3.1	50.0
2-Fluorophenol	0.727	0.740		1.8	50.0
Phenol-d6	0.715	0.739		3.4	50.0
Nitrobenzene-d5	0.333	0.352		5.7	50.0
2-Fluorobiphenyl	1.753	1.672		-4.6	50.0
2,4,6-Tribromophenol	0.295	0.257		-12.9	50.0
Terphenyl-d14	0.918	0.879		-4.2	50.0
1,4-Dioxane	0.357	0.318		-10.9	50.0

All other compounds must meet a minimum RRF of 0.010.



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:
COMPANY: **Resolution Consultants**
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: **Eleanor Vivadon**
PHONE: FAX:

PROJECT NAME: **NWIRP BETHPAGE**
PROJECT NO.: **60731872** LOCATION: **BETHPAGE**
PROJECT MANAGER: **Eleanor Vivadon**
e-mail: **Eleanor.Vivadon@acorn.com**
PHONE: FAX:

BILL TO: **Eleanor V.** PO#:
ADDRESS: **27 Ellis Place**
CITY: **OSSINING** STATE: **NY** ZIP: **10563**
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): **Standard** DAYS*
EDD: **Standard** DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ 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

1,4 dioxane 8270
1,4 dioxane 522
1,4 dioxane 522
1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		A	F	F								
1.	TT192D1-20250611	GW		X	06/11/25	1450	3	2	1									
2.	TT188S1-20250612	GW		X	06/18/25	1005	3	2	1									
3.	TT198S1-20250612	GW		X	↓	1140	3	2	1									
4.	FB01-20250613	AQ		X	06/13/25	1025	3	2	1								field blank	
5.	TT162S1-20250613	GW		X		1005	3	2	1									
6.	BPOW6-7-20250613	GW		X		0930	4	2		2								
7.	BPOW6-8-20250613	GW		X		0955	4	2		2								
8.	BPOW6-11-20250613	GW		X		0950	4	2		2								
9.	TT149S1-20250613	GW		X		1130	3	2	1									
10.	TT172S1-20250613	GW		X	✓	1140	9	6	3								MS/MSD	

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

RELINQUISHED BY SAMPLER:	DATE/TIME: 1400	RECEIVED BY: 1400	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
1. mom's Acids	6-13-25	1. [Signature] 6-13-25	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME: 1855	RECEIVED BY:	
3. [Signature]	6-13-25	3.	



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.

QUOTE NO.

COC Number

Q23291
2046496 Q2330

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Resolution Consultants

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: Eleanor Vivada

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE

PROJECT NO.: 60731872 LOCATION: BETHPAGE

PROJECT MANAGER: Eleanor Vivada

e-mail: Eleanor.Vivada@ecom.com

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor V. PO#:

ADDRESS: 27 Ellis Place

CITY: OSSINING STATE: NY ZIP: 10563

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE): 2 standard DAYS*

EDD: 2 standard 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

was 8260
1/4 diomane 8270
1/4 diomane 522

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		A	F	F							
								1	2	3	4	5	6	7	8	9	
1.	DUPO3-20250613	GW		X	06/13	1400	4	2		2							
2.	DUPO4-20250613	GW		X	06/13	1300	3	2	1								
3.	EB01-20250613	AQ		X	06/13	1250	3	2	1								equipment blank
4.	TB01-20250612	AQ		X	06/12	1300	2	2									trip blank
5.	TB02-20250612	AQ		X	06/12	1305	2	2									trip blank
6.	TT16351-20250613	GW		X	06/13	1130	3	2	1								
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME: 1400	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C
1. [Signature]	6-13-25	1. [Signature]	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME: 1855	RECEIVED BY:	
3. [Signature]	6-13-25	3.	

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2329 AECO15

Order Date : 6/13/2025 2:09:00 PM

Project Mgr :

Client Name : AECOM Technical Services

Project Name : NAVFAC NWIRP Bethpage

Report Type : ~~Results Only~~ **NYS ASPB**

Client Contact : Eleanor Vivadou

Receive DateTime : 6/13/2025 12:00:00 AM

EDD Type : EQUIS

18:55

Invoice Name : AECOM Technical Services

Purchase Order :

Hard Copy Date :

Invoice Contact : Eleanor Vivadou

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2329-01	TT192D1-20250611 <i>OA</i>	Water	06/13/2025	14:50					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-02	TT188S1-20250612	Water	06/13/2025	10:05					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-03	TT119S1-20250612	Water	06/13/2025	11:40					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-04	FB01-20250613	Water	06/13/2025	10:25					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-05	TT162S1-20250613	Water	06/13/2025	10:05					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-06	BPOW6-7-20250613	Water	06/13/2025	09:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-07	BPOW6-8-20250613	Water	06/13/2025	09:55					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-08	BPOW6-11-20250613	Water	06/13/2025	09:50					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2329 AECO15

Order Date : 6/13/2025 2:09:00 PM

Project Mgr :

Client Name : AECOM Technical Services

Project Name : NAVFAC NWIRP Bethpage

Report Type : Results Only NYS ASP B

Client Contact : Eleanor Vivadou

Receive DateTime : 6/13/2025 12:00:00 AM

EDD Type : EQUIS

Invoice Name : AECOM Technical Services

Purchase Order :

Hard Copy Date :

Invoice Contact : Eleanor Vivadou

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2329-09	TT149S1-20250613	Water	06/13/2025	11:30	VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-10	TT172S1-20250613	Water	06/13/2025	11:40	VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-11	Q2329-10MS	Water	06/13/2025	11:40	VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-12	Q2329-10MSD	Water	06/13/2025	11:40	VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-13	DUP03-20250613	Water	06/13/2025	14:00	VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-14	DUP04-20250613	Water	06/13/2025	13:00	VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-15	EB01-20250613	Water	06/13/2025	12:50	VOCMS Group1		8260-Low	10 Bus. Days	
					VOCMS Group1		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2329	AECO15	Order Date : 6/13/2025 2:09:00 PM	Project Mgr :
Client Name : AECOM Technical Services		Project Name : NAVFAC NWIRP Bethpage	Report Type : Results Only
Client Contact : Eleanor Vivadou		Receive Date/Time : 6/13/2025 12:00:00 AM	EDD Type : EQUIS
Invoice Name : AECOM Technical Services		Purchase Order :	Hard Copy Date :
Invoice Contact : Eleanor Vivadou			Date Signoff :

NYS ASP B

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2329-16	TB01-20250612	Water	06/12/2025	13:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-17	TB02-20250612	Water	06/12/2025	13:05					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2329-18	TT163S1-20250613	Water	06/13/2025	11:30					
					VOCMS Group1		8260-Low	10 Bus. Days	

Relinquished By :

Date / Time : 6/16/25 0900

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room

SAMPLES RECEIVED ON 6/16/25 @ 1855
PLACED IN SM-REF-2

9:20
RHF 4