

ANALYTICAL RESULTS SUMMARY

SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q3371

ATTENTION : Ernie Wu



Laboratory Certification ID # 20012



1) Signature Page	3
2) Case Narrative	4
2.1) VOC-TCLVOA-10- Case Narrative	4
2.2) SVOC-SIMGroup1- Case Narrative	6
3) Qualifier Page	8
4) QA Checklist	9
5) VOC-TCLVOA-10 Data	10
6) SVOC-SIMGroup1 Data	61
7) Shipping Document	86
7.1) CHAIN OF CUSTODY	87
7.2) Lab Certificate	88
7.3) Internal COC	89

1
2
3
4
5
6
7

Cover Page

Order ID : Q3371

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q3371-01
Q3371-02
Q3371-03
Q3371-04
Q3371-05
Q3371-06

Client Sample Number

BP-VPB-184-TB-20251010
BP-VPB-184-EB-20251016
VPB184-HYD-20251010
BP-VPB-184-GW-915-917
BP-VPB-184-GW-920-922
VPB184-HYD-20251016

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 10/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager# Ernie Wu

Order ID # Q3371

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

6 Water samples were received on 10/16/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VX048252.D met the requirements except for 4-Methyl-2-Pentanone is failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

The not QT review data is reported in the Miscellaneous.



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

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

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager : Ernie Wu

Order ID # Q3371

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

6 Water samples were received on 10/16/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis except for VPB184-HYD-20251010 out of extraction holding time as receive late in Lab.

The Surrogate recoveries were met for all analysis except for,

PB170167BS [2-Fluorobiphenyl - 111%],

BP-VPB-184-EB-20251016 [Terphenyl-d14 - 137%],

BP-VPB-184-GW-920-922 [Terphenyl-d14 - 137%], Failed surrogate is not associated with DOD, Therefore no further corrective action was taken.

and

VPB184-HYD-20251010 [2-Methylnaphthalene-d10 - 4%, Fluoranthene-d10 - 10%, Terphenyl-d14 - 137%],

VPB184-HYD-20251016 [2-Methylnaphthalene-d10 - 4%, Fluoranthene-d10 - 11%].

Surrogate were affected due to matrix interference, as evidenced by the chromatogram.

As no additional volume of each sample was available for re-extraction, they could not be re-extracted and as the re-analysis would have given the same results, they were not reanalyzed.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

Samples VPB184-HYD-20251010 has the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

F. Manual Integration Comments:

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

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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 #: Q3371

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: 10/27/2025

LAB CHRONICLE

OrderID:	Q3371	OrderDate:	10/16/2025 4:13:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3371-01	BP-VPB-184-TB-2025 1010	Water			10/10/25			10/16/25
			VOC-TCLVOA-10	8260-Low			10/21/25	
Q3371-02	BP-VPB-184-EB-2025 1016	Water			10/16/25			10/16/25
			VOC-TCLVOA-10	8260-Low			10/21/25	
Q3371-03	VPB184-HYD-202510 10	Water			10/10/25			10/16/25
			VOC-TCLVOA-10	8260-Low			10/21/25	
Q3371-04	BP-VPB-184-GW-915- 917	Water			10/15/25			10/16/25
			VOC-TCLVOA-10	8260-Low			10/20/25	
Q3371-05	BP-VPB-184-GW-920- 922	Water			10/15/25			10/16/25
			VOC-TCLVOA-10	8260-Low			10/20/25	
Q3371-06	VPB184-HYD-202510 16	Water			10/16/25			10/16/25
			VOC-TCLVOA-10	8260-Low			10/21/25	

Hit Summary Sheet
SW-846

SDG No.: Q3371
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	BP-VPB-184-EB-20251016								
Q3371-02	BP-VPB-184-EB-20 Water	Acetone		6.80		1.50	3.80	5.00	ug/L
		Total Voc :		6.80					
		Total Concentration:		6.80					
Client ID:	BP-VPB-184-GW-915-917								
Q3371-04	BP-VPB-184-GW-9 Water	Acetone		64.0		1.50	3.80	5.00	ug/L
Q3371-04	BP-VPB-184-GW-9 Water	Carbon Disulfide		0.36	J	0.21	0.75	1.00	ug/L
Q3371-04	BP-VPB-184-GW-9 Water	2-Butanone		12.5		0.98	2.50	5.00	ug/L
		Total Voc :		76.9					
		Total Concentration:		76.9					



SAMPLE DATA

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-TB-20251010
Lab Sample ID: Q3371-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/10/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:15	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 11:15	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 11:15	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 11:15	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 11:15	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 11:15	VX102125
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/21/25 11:15	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 11:15	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 11:15	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 11:15	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:15	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 11:15	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 11:15	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:15	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 11:15	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:15	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:15	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:15	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:15	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:15	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 11:15	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:15	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 11:15	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 11:15	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 11:15	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 11:15	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 11:15	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 11:15	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:15	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:15	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:15	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 11:15	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 11:15	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:15	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:15	VX102125

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-TB-20251010
Lab Sample ID: Q3371-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/10/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:15	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 11:15	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:15	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 11:15	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:15	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 11:15	VX102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	52.4			81 - 118		105%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.8			80 - 119		94%	SPK: 50		
2037-26-5	Toluene-d8	45.6			89 - 112		91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.0			85 - 114		106%	SPK: 50		
INTERNAL STANDARDS										
363-72-4	Pentafluorobenzene	105000								
540-36-3	1,4-Difluorobenzene	207000								
3114-55-4	Chlorobenzene-d5	215000								
3855-82-1	1,4-Dichlorobenzene-d4	110000								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-EB-20251016
Lab Sample ID: Q3371-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:35	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 11:35	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 11:35	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 11:35	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 11:35	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 11:35	VX102125
67-64-1	Acetone	6.80		1	1.50	3.80	5.00	ug/L	10/21/25 11:35	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 11:35	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 11:35	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 11:35	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:35	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 11:35	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 11:35	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:35	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 11:35	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:35	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:35	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:35	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:35	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:35	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 11:35	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:35	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 11:35	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 11:35	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 11:35	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 11:35	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 11:35	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 11:35	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:35	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:35	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:35	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 11:35	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 11:35	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:35	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:35	VX102125

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-EB-20251016
Lab Sample ID: Q3371-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:35	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 11:35	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:35	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 11:35	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:35	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 11:35	VX102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	54.7			81 - 118	109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5			80 - 119	99%	SPK: 50
2037-26-5	Toluene-d8	47.2			89 - 112	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2			85 - 114	110%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	100000
540-36-3	1,4-Difluorobenzene	197000
3114-55-4	Chlorobenzene-d5	211000
3855-82-1	1,4-Dichlorobenzene-d4	109000

TENTATIVE IDENTIFIED COMPOUNDS

75-43-4	Dichlorofluoromethane	N.D
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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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VPB184-HYD-20251010
Lab Sample ID: Q3371-03
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/10/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 10:54	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 10:54	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 10:54	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 10:54	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 10:54	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 10:54	VX102125
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/21/25 10:54	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 10:54	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 10:54	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 10:54	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 10:54	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 10:54	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 10:54	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 10:54	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 10:54	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 10:54	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 10:54	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 10:54	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 10:54	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 10:54	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 10:54	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 10:54	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 10:54	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 10:54	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 10:54	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 10:54	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 10:54	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 10:54	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 10:54	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 10:54	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 10:54	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 10:54	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 10:54	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 10:54	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 10:54	VX102125

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VPB184-HYD-20251010
Lab Sample ID: Q3371-03
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/10/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 10:54	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 10:54	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 10:54	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 10:54	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 10:54	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 10:54	VX102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	48.4			81 - 118		97%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.4			80 - 119		93%	SPK: 50		
2037-26-5	Toluene-d8	44.9			89 - 112		90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.7			85 - 114		101%	SPK: 50		
INTERNAL STANDARDS										
363-72-4	Pentafluorobenzene	90600								
540-36-3	1,4-Difluorobenzene	172000								
3114-55-4	Chlorobenzene-d5	177000								
3855-82-1	1,4-Dichlorobenzene-d4	86200								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-GW-915-917
Lab Sample ID: Q3371-04
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 17:41	VX102025
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/20/25 17:41	VX102025
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/20/25 17:41	VX102025
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/20/25 17:41	VX102025
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/20/25 17:41	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/20/25 17:41	VX102025
67-64-1	Acetone	64.0		1	1.50	3.80	5.00	ug/L	10/20/25 17:41	VX102025
75-15-0	Carbon Disulfide	0.36	J	1	0.21	0.75	1.00	ug/L	10/20/25 17:41	VX102025
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/20/25 17:41	VX102025
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/20/25 17:41	VX102025
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 17:41	VX102025
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/20/25 17:41	VX102025
78-93-3	2-Butanone	12.5		1	0.98	2.50	5.00	ug/L	10/20/25 17:41	VX102025
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 17:41	VX102025
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/20/25 17:41	VX102025
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 17:41	VX102025
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 17:41	VX102025
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 17:41	VX102025
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 17:41	VX102025
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 17:41	VX102025
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/20/25 17:41	VX102025
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 17:41	VX102025
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/20/25 17:41	VX102025
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/20/25 17:41	VX102025
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/20/25 17:41	VX102025
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/20/25 17:41	VX102025
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/20/25 17:41	VX102025
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/20/25 17:41	VX102025
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 17:41	VX102025
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 17:41	VX102025
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 17:41	VX102025
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/20/25 17:41	VX102025
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/20/25 17:41	VX102025
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 17:41	VX102025
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 17:41	VX102025

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-GW-915-917
Lab Sample ID: Q3371-04
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 17:41	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/20/25 17:41	VX102025
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 17:41	VX102025
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/20/25 17:41	VX102025
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 17:41	VX102025
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/20/25 17:41	VX102025
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	51.0			81 - 118		102%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.4			80 - 119		97%	SPK: 50		
2037-26-5	Toluene-d8	47.1			89 - 112		94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.0			85 - 114		90%	SPK: 50		
INTERNAL STANDARDS										
363-72-4	Pentafluorobenzene	107000								
540-36-3	1,4-Difluorobenzene	184000								
3114-55-4	Chlorobenzene-d5	170000								
3855-82-1	1,4-Dichlorobenzene-d4	81000								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-GW-920-922
Lab Sample ID: Q3371-05
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 18:02	VX102025
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/20/25 18:02	VX102025
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/20/25 18:02	VX102025
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/20/25 18:02	VX102025
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/20/25 18:02	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/20/25 18:02	VX102025
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/20/25 18:02	VX102025
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/20/25 18:02	VX102025
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/20/25 18:02	VX102025
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/20/25 18:02	VX102025
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 18:02	VX102025
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/20/25 18:02	VX102025
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/20/25 18:02	VX102025
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 18:02	VX102025
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/20/25 18:02	VX102025
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 18:02	VX102025
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 18:02	VX102025
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 18:02	VX102025
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 18:02	VX102025
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 18:02	VX102025
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/20/25 18:02	VX102025
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 18:02	VX102025
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/20/25 18:02	VX102025
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/20/25 18:02	VX102025
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/20/25 18:02	VX102025
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/20/25 18:02	VX102025
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/20/25 18:02	VX102025
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/20/25 18:02	VX102025
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 18:02	VX102025
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 18:02	VX102025
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 18:02	VX102025
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/20/25 18:02	VX102025
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/20/25 18:02	VX102025
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 18:02	VX102025
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 18:02	VX102025

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-GW-920-922
Lab Sample ID: Q3371-05
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 18:02	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/20/25 18:02	VX102025
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 18:02	VX102025
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/20/25 18:02	VX102025
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 18:02	VX102025
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/20/25 18:02	VX102025
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	55.9			81 - 118		112%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.2			80 - 119		106%	SPK: 50		
2037-26-5	Toluene-d8	51.4			89 - 112		103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.7			85 - 114		97%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	122000								
540-36-3	1,4-Difluorobenzene	210000								
3114-55-4	Chlorobenzene-d5	194000								
3855-82-1	1,4-Dichlorobenzene-d4	92900								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VPB184-HYD-20251016
Lab Sample ID: Q3371-06
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:56	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 11:56	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 11:56	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 11:56	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 11:56	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 11:56	VX102125
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/21/25 11:56	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 11:56	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 11:56	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 11:56	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:56	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 11:56	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 11:56	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:56	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 11:56	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:56	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:56	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:56	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:56	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:56	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 11:56	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:56	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 11:56	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 11:56	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 11:56	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 11:56	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 11:56	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 11:56	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:56	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:56	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:56	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 11:56	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 11:56	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:56	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:56	VX102125

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VPB184-HYD-20251016
Lab Sample ID: Q3371-06
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:56	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 11:56	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:56	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 11:56	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:56	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 11:56	VX102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	54.8			81 - 118	110%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2			80 - 119	94%	SPK: 50
2037-26-5	Toluene-d8	46.8			89 - 112	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5			85 - 114	111%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	106000
540-36-3	1,4-Difluorobenzene	214000
3114-55-4	Chlorobenzene-d5	228000
3855-82-1	1,4-Dichlorobenzene-d4	118000

TENTATIVE IDENTIFIED COMPOUNDS

75-43-4	Dichlorofluoromethane	N.D
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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.: **Q3371**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3371-01	BP-VPB-184-TB-20251010	1,2-Dichloroethane-d4	50	52.4	105		81	118
		Dibromofluoromethane	50	46.8	94		80	119
		Toluene-d8	50	45.6	91		89	112
		4-Bromofluorobenzene	50	53.0	106		85	114
Q3371-02	BP-VPB-184-EB-20251016	1,2-Dichloroethane-d4	50	54.7	109		81	118
		Dibromofluoromethane	50	49.5	99		80	119
		Toluene-d8	50	47.2	94		89	112
		4-Bromofluorobenzene	50	55.2	110		85	114
Q3371-03	VPB184-HYD-20251010	1,2-Dichloroethane-d4	50	48.4	97		81	118
		Dibromofluoromethane	50	46.4	93		80	119
		Toluene-d8	50	44.9	90		89	112
		4-Bromofluorobenzene	50	50.7	101		85	114
Q3371-04	BP-VPB-184-GW-915-917	1,2-Dichloroethane-d4	50	51.0	102		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	47.1	94		89	112
		4-Bromofluorobenzene	50	45.0	90		85	114
Q3371-05	BP-VPB-184-GW-920-922	1,2-Dichloroethane-d4	50	55.9	112		81	118
		Dibromofluoromethane	50	53.2	106		80	119
		Toluene-d8	50	51.4	103		89	112
		4-Bromofluorobenzene	50	48.7	97		85	114
Q3371-06	VPB184-HYD-20251016	1,2-Dichloroethane-d4	50	54.8	110		81	118
		Dibromofluoromethane	50	47.2	94		80	119
		Toluene-d8	50	46.8	94		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
VX1020WBL01	VX1020WBL01	1,2-Dichloroethane-d4	50	56.9	114		81	118
		Dibromofluoromethane	50	53.0	106		80	119
		Toluene-d8	50	51.2	102		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
VX1020WBS01	VX1020WBS01	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	51.2	102		80	119
		Toluene-d8	50	51.9	104		89	112
		4-Bromofluorobenzene	50	51.1	102		85	114
VX1020WBSD01	VX1020WBSD01	1,2-Dichloroethane-d4	50	57.5	115		81	118
		Dibromofluoromethane	50	53.2	106		80	119
		Toluene-d8	50	51.9	104		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
VX1021WBL01	VX1021WBL01	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	46.4	93		89	112
		4-Bromofluorobenzene	50	52.6	105		85	114
VX1021WBS01	VX1021WBS01	1,2-Dichloroethane-d4	50	49.2	98		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	49.7	99		85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3371	Analytical Method:	SW8260-Low
Client:	Tetra Tech NUS, Inc.	Datafile :	VX048240.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1020WBS01	Dichlorodifluoromethane	20	17.8	ug/L	89			32	152	
	Chloromethane	20	19.4	ug/L	97			50	139	
	Vinyl chloride	20	19.2	ug/L	96			58	137	
	Bromomethane	20	21.5	ug/L	108			53	141	
	Chloroethane	20	21.1	ug/L	106			60	138	
	Trichlorofluoromethane	20	18.7	ug/L	94			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92			70	136	
	1,1-Dichloroethene	20	19.3	ug/L	97			71	131	
	Acetone	100	85.7	ug/L	86			39	160	
	Carbon disulfide	20	17.9	ug/L	90			64	133	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			71	124	
	Methyl Acetate	20	19.7	ug/L	99			56	136	
	Methylene Chloride	20	19.9	ug/L	100			74	124	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			75	124	
	1,1-Dichloroethane	20	18.8	ug/L	94			77	125	
	Cyclohexane	20	18.7	ug/L	94			71	130	
	2-Butanone	100	92.0	ug/L	92			56	143	
	Carbon Tetrachloride	20	17.6	ug/L	88			72	136	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			78	123	
	Bromochloromethane	20	21.4	ug/L	107			78	123	
	Chloroform	20	19.3	ug/L	97			79	124	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			74	131	
	Methylcyclohexane	20	17.3	ug/L	86			72	132	
	Benzene	20	18.8	ug/L	94			79	120	
	1,2-Dichloroethane	20	18.8	ug/L	94			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	19.4	ug/L	97			78	122	
	Bromodichloromethane	20	18.9	ug/L	95			79	125	
	4-Methyl-2-Pentanone	100	94.8	ug/L	95			67	130	
	Toluene	20	19.3	ug/L	97			80	121	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			73	127	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			75	124	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			80	119	
	2-Hexanone	100	94.6	ug/L	95			57	139	
	Dibromochloromethane	20	18.5	ug/L	93			74	126	
	1,2-Dibromoethane	20	19.1	ug/L	96			77	121	
	Tetrachloroethene	20	17.7	ug/L	89			74	129	
	Chlorobenzene	20	19.0	ug/L	95			82	118	
	Ethyl Benzene	20	18.5	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	19.1	ug/L	96			78	123	
	Bromoform	20	18.6	ug/L	93			66	130	
	Isopropylbenzene	20	18.3	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95			71	121	
	1,3-Dichlorobenzene	20	18.0	ug/L	90			80	119	
	1,4-Dichlorobenzene	20	17.9	ug/L	90			79	118	
	1,2-Dichlorobenzene	20	18.3	ug/L	92			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3371</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX048240.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1020WBS01	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			62	128	
	1,2,4-Trichlorobenzene	20	16.1	ug/L	81			69	130	
	1,2,3-Trichlorobenzene	20	16.8	ug/L	84			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3371	Analytical Method:	SW8260-Low
Client:	Tetra Tech NUS, Inc.	Datafile :	VX048247.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1020WBSD01	Dichlorodifluoromethane	20	17.4	ug/L	87	2		32	152	20
	Chloromethane	20	20.9	ug/L	104	7		50	139	20
	Vinyl chloride	20	19.4	ug/L	97	1		58	137	20
	Bromomethane	20	21.5	ug/L	108	0		53	141	20
	Chloroethane	20	19.9	ug/L	100	6		60	138	20
	Trichlorofluoromethane	20	18.3	ug/L	92	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	3		70	136	20
	1,1-Dichloroethene	20	18.3	ug/L	92	5		71	131	20
	Acetone	100	86.3	ug/L	86	0		39	160	20
	Carbon disulfide	20	17.2	ug/L	86	5		64	133	20
	Methyl tert-butyl Ether	20	20.4	ug/L	102	8		71	124	20
	Methyl Acetate	20	20.2	ug/L	101	2		56	136	20
	Methylene Chloride	20	21.7	ug/L	109	9		74	124	20
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	3		75	124	20
	1,1-Dichloroethane	20	19.5	ug/L	98	4		77	125	20
	Cyclohexane	20	18.1	ug/L	91	3		71	130	20
	2-Butanone	100	98.7	ug/L	99	7		56	143	20
	Carbon Tetrachloride	20	17.1	ug/L	86	2		72	136	20
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	4		78	123	20
	Bromochloromethane	20	23.6	ug/L	118	10		78	123	20
	Chloroform	20	20.7	ug/L	104	7		79	124	20
	1,1,1-Trichloroethane	20	18.8	ug/L	94	0		74	131	20
	Methylcyclohexane	20	16.4	ug/L	82	5		72	132	20
	Benzene	20	18.9	ug/L	95	1		79	120	20
	1,2-Dichloroethane	20	20.1	ug/L	101	7		73	128	20
	Trichloroethene	20	18.2	ug/L	91	5		79	123	20
	1,2-Dichloropropane	20	20.4	ug/L	102	5		78	122	20
	Bromodichloromethane	20	19.8	ug/L	99	4		79	125	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	5		67	130	20
	Toluene	20	18.7	ug/L	94	3		80	121	20
	t-1,3-Dichloropropene	20	19.9	ug/L	100	5		73	127	20
	cis-1,3-Dichloropropene	20	19.4	ug/L	97	2		75	124	20
	1,1,2-Trichloroethane	20	21.1	ug/L	106	8		80	119	20
	2-Hexanone	100	100	ug/L	100	5		57	139	20
	Dibromochloromethane	20	20.9	ug/L	104	11		74	126	20
	1,2-Dibromoethane	20	21.4	ug/L	107	11		77	121	20
	Tetrachloroethene	20	17.0	ug/L	85	5		74	129	20
	Chlorobenzene	20	19.0	ug/L	95	0		82	118	20
	Ethyl Benzene	20	17.8	ug/L	89	4		79	121	20
	m/p-Xylenes	40	36.6	ug/L	92	4		80	121	20
	o-Xylene	20	18.4	ug/L	92	2		78	122	20
	Styrene	20	19.1	ug/L	96	0		78	123	20
	Bromoform	20	19.7	ug/L	99	6		66	130	20
	Isopropylbenzene	20	17.5	ug/L	88	4		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102	7		71	121	20
	1,3-Dichlorobenzene	20	18.0	ug/L	90	0		80	119	20
	1,4-Dichlorobenzene	20	17.7	ug/L	89	1		79	118	20
	1,2-Dichlorobenzene	20	18.3	ug/L	92	0		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3371</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX048247.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1020WBSD01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93	6		62	128	20
	1,2,4-Trichlorobenzene	20	16.5	ug/L	83	2		69	130	20
	1,2,3-Trichlorobenzene	20	17.0	ug/L	85	1		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3371	Analytical Method:	SW8260-Low
Client:	Tetra Tech NUS, Inc.	Datafile :	VX048255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1021WBS01	Dichlorodifluoromethane	20	16.8	ug/L	84			32	152	
	Chloromethane	20	17.8	ug/L	89			50	139	
	Vinyl chloride	20	17.6	ug/L	88			58	137	
	Bromomethane	20	19.3	ug/L	97			53	141	
	Chloroethane	20	18.9	ug/L	95			60	138	
	Trichlorofluoromethane	20	17.7	ug/L	89			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88			70	136	
	1,1-Dichloroethene	20	18.0	ug/L	90			71	131	
	Acetone	100	82.3	ug/L	82			39	160	
	Carbon disulfide	20	16.6	ug/L	83			64	133	
	Methyl tert-butyl Ether	20	17.6	ug/L	88			71	124	
	Methyl Acetate	20	17.5	ug/L	88			56	136	
	Methylene Chloride	20	19.1	ug/L	96			74	124	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	124	
	1,1-Dichloroethane	20	18.4	ug/L	92			77	125	
	Cyclohexane	20	19.2	ug/L	96			71	130	
	2-Butanone	100	85.2	ug/L	85			56	143	
	Carbon Tetrachloride	20	17.0	ug/L	85			72	136	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			78	123	
	Bromochloromethane	20	21.6	ug/L	108			78	123	
	Chloroform	20	18.8	ug/L	94			79	124	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			74	131	
	Methylcyclohexane	20	17.0	ug/L	85			72	132	
	Benzene	20	18.5	ug/L	93			79	120	
	1,2-Dichloroethane	20	19.1	ug/L	96			73	128	
	Trichloroethene	20	18.1	ug/L	91			79	123	
	1,2-Dichloropropane	20	19.3	ug/L	97			78	122	
	Bromodichloromethane	20	18.6	ug/L	93			79	125	
	4-Methyl-2-Pentanone	100	86.9	ug/L	87			67	130	
	Toluene	20	18.8	ug/L	94			80	121	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			73	127	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			75	124	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			80	119	
	2-Hexanone	100	85.9	ug/L	86			57	139	
	Dibromochloromethane	20	18.1	ug/L	91			74	126	
	1,2-Dibromoethane	20	18.6	ug/L	93			77	121	
	Tetrachloroethene	20	16.9	ug/L	85			74	129	
	Chlorobenzene	20	18.0	ug/L	90			82	118	
	Ethyl Benzene	20	17.8	ug/L	89			79	121	
	m/p-Xylenes	40	36.8	ug/L	92			80	121	
	o-Xylene	20	18.1	ug/L	91			78	122	
	Styrene	20	18.8	ug/L	94			78	123	
	Bromoform	20	17.0	ug/L	85			66	130	
	Isopropylbenzene	20	17.1	ug/L	86			72	131	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/L	86			71	121	
	1,3-Dichlorobenzene	20	17.2	ug/L	86			80	119	
	1,4-Dichlorobenzene	20	16.6	ug/L	83			79	118	
	1,2-Dichlorobenzene	20	17.2	ug/L	86			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3371</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX048255.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX1021WBS01	1,2-Dibromo-3-Chloropropane	20	14.2	ug/L	71			62	128	
	1,2,4-Trichlorobenzene	20	15.2	ug/L	76			69	130	
	1,2,3-Trichlorobenzene	20	15.5	ug/L	78			69	129	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1020WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3371

Lab File ID: VX048239.D

Lab Sample ID: VX1020WBL01

Date Analyzed: 10/20/2025

Time Analyzed: 15:23

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1020WBS01	VX1020WBS01	VX048240.D	10/20/2025
BP-VPB-184-GW-915-917	Q3371-04	VX048245.D	10/20/2025
BP-VPB-184-GW-920-922	Q3371-05	VX048246.D	10/20/2025
VX1020WBSD01	VX1020WBSD01	VX048247.D	10/20/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1021WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3371

Lab File ID: VX048254.D

Lab Sample ID: VX1021WBL01

Date Analyzed: 10/21/2025

Time Analyzed: 09:40

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025
VPB184-HYD-20251010	Q3371-03	VX048257.D	10/21/2025
BP-VPB-184-TB-20251010	Q3371-01	VX048258.D	10/21/2025
BP-VPB-184-EB-20251016	Q3371-02	VX048259.D	10/21/2025
VPB184-HYD-20251016	Q3371-06	VX048260.D	10/21/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048226.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: TETR06
SDG NO.: Q3371
BFB Injection Date: 10/20/2025
BFB Injection Time: 08:15
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX048229.D	10/20/2025	10:59
VSTDIC020	VSTDIC020	VX048231.D	10/20/2025	11:40
VSTDICCC050	VSTDICCC050	VX048232.D	10/20/2025	12:01
VSTDIC100	VSTDIC100	VX048233.D	10/20/2025	12:22
VSTDIC150	VSTDIC150	VX048234.D	10/20/2025	12:43
VSTDIC005	VSTDIC005	VX048236.D	10/20/2025	13:49
VX1020WBL01	VX1020WBL01	VX048239.D	10/20/2025	15:23
VX1020WBS01	VX1020WBS01	VX048240.D	10/20/2025	15:50
BP-VPB-184-GW-915-917	Q3371-04	VX048245.D	10/20/2025	17:41
BP-VPB-184-GW-920-922	Q3371-05	VX048246.D	10/20/2025	18:02
VX1020WBSD01	VX1020WBSD01	VX048247.D	10/20/2025	18:22
VSTDCCC050EC	VSTDCCC050	VX048250.D	10/20/2025	19:25

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3371

Lab File ID: VX048251.D

BFB Injection Date: 10/21/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:12

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	5.5 (7.2) 1
176	95.0 - 101.0% of mass 174	72.8 (96.1) 1
177	5.0 - 9.0% of mass 176	5 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048252.D	10/21/2025	08:43
VX1021WBL01	VX1021WBL01	VX048254.D	10/21/2025	09:40
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025	10:06
VPB184-HYD-20251010	Q3371-03	VX048257.D	10/21/2025	10:54
BP-VPB-184-TB-20251010	Q3371-01	VX048258.D	10/21/2025	11:15
BP-VPB-184-EB-20251016	Q3371-02	VX048259.D	10/21/2025	11:35
VPB184-HYD-20251016	Q3371-06	VX048260.D	10/21/2025	11:56
VSTDCCC050EC	VSTDCCC050	VX048278.D	10/21/2025	18:09

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3371
Lab File ID: VX048232.D Date Analyzed: 10/20/2025
Instrument ID: MSVOA_X Time Analyzed: 12:01
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	124491	5.54	201906	6.75	184494	10.04
UPPER LIMIT	248982	6.04	403812	7.25	368988	10.54
LOWER LIMIT	62245.5	5.04	100953	6.25	92247	9.54
EPA SAMPLE NO.						
BP-VPB-184-GW-915-917	107423	5.54	183824	6.75	169870	10.04
BP-VPB-184-GW-920-922	122446	5.54	210478	6.75	193818	10.04
VX1020WBL01	127705	5.53	221220	6.74	203730	10.04
VX1020WBS01	134660	5.54	221833	6.74	200515	10.04
VX1020WBSD01	114781	5.54	195841	6.75	183563	10.04

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: Alliance Contract: TETR06
 Lab Code: ACE SDG NO.: Q3371
 Lab File ID: VX048232.D Date Analyzed: 10/20/2025
 Instrument ID: MSVOA_X Time Analyzed: 12:01
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	92693	12.01				
UPPER LIMIT	185386	12.51				
LOWER LIMIT	46346.5	11.51				
EPA SAMPLE NO.						
BP-VPB-184-GW-915-917	81048	12.01				
BP-VPB-184-GW-920-922	92863	12.01				
VX1020WBL01	106522	12.01				
VX1020WBS01	101575	12.01				
VX1020WBSD01	92655	12.01				

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: Alliance Contract: TETR06
 Lab Code: ACE SDG NO.: Q3371
 Lab File ID: VX048252.D Date Analyzed: 10/21/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:43
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	144122	5.53	227103	6.74	197016	10.04
UPPER LIMIT	288244	6.031	454206	7.238	394032	10.537
LOWER LIMIT	72061	5.031	113552	6.238	98508	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20251010	104796	5.54	206666	6.75	215259	10.04
BP-VPB-184-EB-20251016	100347	5.54	196629	6.75	210531	10.04
VPB184-HYD-20251010	90641	5.54	171684	6.75	176825	10.04
VPB184-HYD-20251016	105728	5.54	214439	6.75	228141	10.04
VX1021WBL01	121915	5.53	240535	6.75	247603	10.04
VX1021WBS01	141199	5.54	230109	6.74	212342	10.04

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: Alliance Contract: TETR06
 Lab Code: ACE SDG NO.: Q3371
 Lab File ID: VX048252.D Date Analyzed: 10/21/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:43
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	96991	12.00€				
UPPER LIMIT	193982	12.50€				
LOWER LIMIT	48495.5	11.50€				
EPA SAMPLE NO.						
BP-VPB-184-TB-20251010	110449	12.01				
BP-VPB-184-EB-20251016	109203	12.01				
VPB184-HYD-20251010	86166	12.01				
VPB184-HYD-20251016	117921	12.01				
VX1021WBL01	126551	12.01				
VX1021WBS01	110789	12.01				

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1020WBL01
Lab Sample ID: VX1020WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 15:23	VX102025
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/20/25 15:23	VX102025
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/20/25 15:23	VX102025
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/20/25 15:23	VX102025
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/20/25 15:23	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/20/25 15:23	VX102025
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/20/25 15:23	VX102025
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/20/25 15:23	VX102025
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/20/25 15:23	VX102025
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/20/25 15:23	VX102025
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 15:23	VX102025
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/20/25 15:23	VX102025
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/20/25 15:23	VX102025
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 15:23	VX102025
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/20/25 15:23	VX102025
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 15:23	VX102025
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 15:23	VX102025
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 15:23	VX102025
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 15:23	VX102025
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 15:23	VX102025
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/20/25 15:23	VX102025
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 15:23	VX102025
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/20/25 15:23	VX102025
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/20/25 15:23	VX102025
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/20/25 15:23	VX102025
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/20/25 15:23	VX102025
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/20/25 15:23	VX102025
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/20/25 15:23	VX102025
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 15:23	VX102025
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 15:23	VX102025
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 15:23	VX102025
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/20/25 15:23	VX102025
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/20/25 15:23	VX102025
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 15:23	VX102025
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 15:23	VX102025

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1020WBL01
Lab Sample ID: VX1020WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 15:23	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/20/25 15:23	VX102025
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 15:23	VX102025
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/20/25 15:23	VX102025
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 15:23	VX102025
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/20/25 15:23	VX102025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.9			81 - 118	114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0			80 - 119	106%	SPK: 50
2037-26-5	Toluene-d8	51.2			89 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1			85 - 114	104%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	128000
540-36-3	1,4-Difluorobenzene	221000
3114-55-4	Chlorobenzene-d5	204000
3855-82-1	1,4-Dichlorobenzene-d4	107000

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1021WBL01
Lab Sample ID: VX1021WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 09:40	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 09:40	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 09:40	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 09:40	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 09:40	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 09:40	VX102125
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/21/25 09:40	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 09:40	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 09:40	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 09:40	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 09:40	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 09:40	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 09:40	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 09:40	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 09:40	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 09:40	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 09:40	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 09:40	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 09:40	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 09:40	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 09:40	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 09:40	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 09:40	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 09:40	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 09:40	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 09:40	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 09:40	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 09:40	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 09:40	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 09:40	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 09:40	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 09:40	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 09:40	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 09:40	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 09:40	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 09:40	VX102125

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1021WBL01
Lab Sample ID: VX1021WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 09:40	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 09:40	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 09:40	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 09:40	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 09:40	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 09:40	VX102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.5			81 - 118	105%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1			80 - 119	94%	SPK: 50
2037-26-5	Toluene-d8	46.4			89 - 112	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7			85 - 114	105%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	122000
540-36-3	1,4-Difluorobenzene	241000
3114-55-4	Chlorobenzene-d5	248000
3855-82-1	1,4-Dichlorobenzene-d4	127000

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1020WBS01
Lab Sample ID: VX1020WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	17.8		1	0.22	0.50	1.00	ug/L	10/20/25 15:50	VX102025
74-87-3	Chloromethane	19.4		1	0.32	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-01-4	Vinyl Chloride	19.2		1	0.26	0.75	1.00	ug/L	10/20/25 15:50	VX102025
74-83-9	Bromomethane	21.5		1	1.40	3.80	5.00	ug/L	10/20/25 15:50	VX102025
75-00-3	Chloroethane	21.1		1	0.47	0.75	1.00	ug/L	10/20/25 15:50	VX102025
75-69-4	Trichlorofluoromethane	18.7		1	0.33	0.50	1.00	ug/L	10/20/25 15:50	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		1	0.25	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-35-4	1,1-Dichloroethene	19.3		1	0.23	0.75	1.00	ug/L	10/20/25 15:50	VX102025
67-64-1	Acetone	85.7		1	1.50	3.80	5.00	ug/L	10/20/25 15:50	VX102025
75-15-0	Carbon Disulfide	17.9		1	0.21	0.75	1.00	ug/L	10/20/25 15:50	VX102025
1634-04-4	Methyl tert-butyl Ether	18.7		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
79-20-9	Methyl Acetate	19.7		1	0.27	0.75	1.00	ug/L	10/20/25 15:50	VX102025
75-09-2	Methylene Chloride	19.9		1	0.28	0.50	1.00	ug/L	10/20/25 15:50	VX102025
156-60-5	trans-1,2-Dichloroethene	19.5		1	0.23	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-34-3	1,1-Dichloroethane	18.8		1	0.23	0.50	1.00	ug/L	10/20/25 15:50	VX102025
110-82-7	Cyclohexane	18.7		1	1.50	2.50	5.00	ug/L	10/20/25 15:50	VX102025
78-93-3	2-Butanone	92.0		1	0.98	2.50	5.00	ug/L	10/20/25 15:50	VX102025
56-23-5	Carbon Tetrachloride	17.6		1	0.25	0.50	1.00	ug/L	10/20/25 15:50	VX102025
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.19	0.75	1.00	ug/L	10/20/25 15:50	VX102025
74-97-5	Bromochloromethane	21.4		1	0.22	0.50	1.00	ug/L	10/20/25 15:50	VX102025
67-66-3	Chloroform	19.3		1	0.25	0.50	1.00	ug/L	10/20/25 15:50	VX102025
71-55-6	1,1,1-Trichloroethane	18.8		1	0.20	0.50	1.00	ug/L	10/20/25 15:50	VX102025
108-87-2	Methylcyclohexane	17.3		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
71-43-2	Benzene	18.8		1	0.15	0.50	1.00	ug/L	10/20/25 15:50	VX102025
107-06-2	1,2-Dichloroethane	18.8		1	0.22	0.50	1.00	ug/L	10/20/25 15:50	VX102025
79-01-6	Trichloroethene	19.2		1	0.090	0.75	1.00	ug/L	10/20/25 15:50	VX102025
78-87-5	1,2-Dichloropropane	19.4		1	0.20	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-27-4	Bromodichloromethane	18.9		1	0.22	0.50	1.00	ug/L	10/20/25 15:50	VX102025
108-10-1	4-Methyl-2-Pentanone	94.8		1	0.68	2.50	5.00	ug/L	10/20/25 15:50	VX102025
108-88-3	Toluene	19.3		1	0.14	0.50	1.00	ug/L	10/20/25 15:50	VX102025
10061-02-6	t-1,3-Dichloropropene	18.9		1	0.17	0.50	1.00	ug/L	10/20/25 15:50	VX102025
10061-01-5	cis-1,3-Dichloropropene	19.0		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
79-00-5	1,1,2-Trichloroethane	19.5		1	0.21	0.50	1.00	ug/L	10/20/25 15:50	VX102025
591-78-6	2-Hexanone	94.6		1	0.89	2.50	5.00	ug/L	10/20/25 15:50	VX102025
124-48-1	Dibromochloromethane	18.5		1	0.18	0.50	1.00	ug/L	10/20/25 15:50	VX102025
106-93-4	1,2-Dibromoethane	19.1		1	0.15	0.50	1.00	ug/L	10/20/25 15:50	VX102025
127-18-4	Tetrachloroethene	17.7		1	0.23	0.50	1.00	ug/L	10/20/25 15:50	VX102025
108-90-7	Chlorobenzene	19.0		1	0.12	0.50	1.00	ug/L	10/20/25 15:50	VX102025
100-41-4	Ethyl Benzene	18.5		1	0.13	0.50	1.00	ug/L	10/20/25 15:50	VX102025
179601-23-1	m/p-Xylenes	38.5		1	0.24	1.00	2.00	ug/L	10/20/25 15:50	VX102025
95-47-6	o-Xylene	18.7		1	0.12	0.50	1.00	ug/L	10/20/25 15:50	VX102025
100-42-5	Styrene	19.1		1	0.15	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-25-2	Bromoform	18.6		1	0.19	0.50	1.00	ug/L	10/20/25 15:50	VX102025

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1020WBS01
Lab Sample ID: VX1020WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	18.3		1	0.12	0.50	1.00	ug/L	10/20/25 15:50	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1	0.26	0.50	1.00	ug/L	10/20/25 15:50	VX102025
541-73-1	1,3-Dichlorobenzene	18.0		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
106-46-7	1,4-Dichlorobenzene	17.9		1	0.19	0.50	1.00	ug/L	10/20/25 15:50	VX102025
95-50-1	1,2-Dichlorobenzene	18.3		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		1	0.53	0.75	1.00	ug/L	10/20/25 15:50	VX102025
120-82-1	1,2,4-Trichlorobenzene	16.1		1	0.20	0.50	1.00	ug/L	10/20/25 15:50	VX102025
87-61-6	1,2,3-Trichlorobenzene	16.8		1	0.20	0.75	1.00	ug/L	10/20/25 15:50	VX102025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.7			81 - 118	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2			80 - 119	102%	SPK: 50
2037-26-5	Toluene-d8	51.9			89 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1			85 - 114	102%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	135000
540-36-3	1,4-Difluorobenzene	222000
3114-55-4	Chlorobenzene-d5	201000
3855-82-1	1,4-Dichlorobenzene-d4	102000

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1021WBS01
Lab Sample ID: VX1021WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	16.8		1	0.22	0.50	1.00	ug/L	10/21/25 10:06	VX102125
74-87-3	Chloromethane	17.8		1	0.32	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-01-4	Vinyl Chloride	17.6		1	0.26	0.75	1.00	ug/L	10/21/25 10:06	VX102125
74-83-9	Bromomethane	19.3		1	1.40	3.80	5.00	ug/L	10/21/25 10:06	VX102125
75-00-3	Chloroethane	18.9		1	0.47	0.75	1.00	ug/L	10/21/25 10:06	VX102125
75-69-4	Trichlorofluoromethane	17.7		1	0.33	0.50	1.00	ug/L	10/21/25 10:06	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		1	0.25	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-35-4	1,1-Dichloroethene	18.0		1	0.23	0.75	1.00	ug/L	10/21/25 10:06	VX102125
67-64-1	Acetone	82.3		1	1.50	3.80	5.00	ug/L	10/21/25 10:06	VX102125
75-15-0	Carbon Disulfide	16.6		1	0.21	0.75	1.00	ug/L	10/21/25 10:06	VX102125
1634-04-4	Methyl tert-butyl Ether	17.6		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
79-20-9	Methyl Acetate	17.5		1	0.27	0.75	1.00	ug/L	10/21/25 10:06	VX102125
75-09-2	Methylene Chloride	19.1		1	0.28	0.50	1.00	ug/L	10/21/25 10:06	VX102125
156-60-5	trans-1,2-Dichloroethene	17.9		1	0.23	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-34-3	1,1-Dichloroethane	18.4		1	0.23	0.50	1.00	ug/L	10/21/25 10:06	VX102125
110-82-7	Cyclohexane	19.2		1	1.50	2.50	5.00	ug/L	10/21/25 10:06	VX102125
78-93-3	2-Butanone	85.2		1	0.98	2.50	5.00	ug/L	10/21/25 10:06	VX102125
56-23-5	Carbon Tetrachloride	17.0		1	0.25	0.50	1.00	ug/L	10/21/25 10:06	VX102125
156-59-2	cis-1,2-Dichloroethene	18.9		1	0.19	0.75	1.00	ug/L	10/21/25 10:06	VX102125
74-97-5	Bromochloromethane	21.6		1	0.22	0.50	1.00	ug/L	10/21/25 10:06	VX102125
67-66-3	Chloroform	18.8		1	0.25	0.50	1.00	ug/L	10/21/25 10:06	VX102125
71-55-6	1,1,1-Trichloroethane	18.1		1	0.20	0.50	1.00	ug/L	10/21/25 10:06	VX102125
108-87-2	Methylcyclohexane	17.0		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
71-43-2	Benzene	18.5		1	0.15	0.50	1.00	ug/L	10/21/25 10:06	VX102125
107-06-2	1,2-Dichloroethane	19.1		1	0.22	0.50	1.00	ug/L	10/21/25 10:06	VX102125
79-01-6	Trichloroethene	18.1		1	0.090	0.75	1.00	ug/L	10/21/25 10:06	VX102125
78-87-5	1,2-Dichloropropane	19.3		1	0.20	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-27-4	Bromodichloromethane	18.6		1	0.22	0.50	1.00	ug/L	10/21/25 10:06	VX102125
108-10-1	4-Methyl-2-Pentanone	86.9		1	0.68	2.50	5.00	ug/L	10/21/25 10:06	VX102125
108-88-3	Toluene	18.8		1	0.14	0.50	1.00	ug/L	10/21/25 10:06	VX102125
10061-02-6	t-1,3-Dichloropropene	18.4		1	0.17	0.50	1.00	ug/L	10/21/25 10:06	VX102125
10061-01-5	cis-1,3-Dichloropropene	18.8		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
79-00-5	1,1,2-Trichloroethane	19.1		1	0.21	0.50	1.00	ug/L	10/21/25 10:06	VX102125
591-78-6	2-Hexanone	85.9		1	0.89	2.50	5.00	ug/L	10/21/25 10:06	VX102125
124-48-1	Dibromochloromethane	18.1		1	0.18	0.50	1.00	ug/L	10/21/25 10:06	VX102125
106-93-4	1,2-Dibromoethane	18.6		1	0.15	0.50	1.00	ug/L	10/21/25 10:06	VX102125
127-18-4	Tetrachloroethene	16.9		1	0.23	0.50	1.00	ug/L	10/21/25 10:06	VX102125
108-90-7	Chlorobenzene	18.0		1	0.12	0.50	1.00	ug/L	10/21/25 10:06	VX102125
100-41-4	Ethyl Benzene	17.8		1	0.13	0.50	1.00	ug/L	10/21/25 10:06	VX102125
179601-23-1	m/p-Xylenes	36.8		1	0.24	1.00	2.00	ug/L	10/21/25 10:06	VX102125
95-47-6	o-Xylene	18.1		1	0.12	0.50	1.00	ug/L	10/21/25 10:06	VX102125
100-42-5	Styrene	18.8		1	0.15	0.50	1.00	ug/L	10/21/25 10:06	VX102125
75-25-2	Bromoform	17.0		1	0.19	0.50	1.00	ug/L	10/21/25 10:06	VX102125

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1021WBS01
Lab Sample ID: VX1021WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	17.1		1	0.12	0.50	1.00	ug/L	10/21/25 10:06	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	17.3		1	0.26	0.50	1.00	ug/L	10/21/25 10:06	VX102125
541-73-1	1,3-Dichlorobenzene	17.2		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
106-46-7	1,4-Dichlorobenzene	16.6		1	0.19	0.50	1.00	ug/L	10/21/25 10:06	VX102125
95-50-1	1,2-Dichlorobenzene	17.2		1	0.16	0.50	1.00	ug/L	10/21/25 10:06	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	14.2		1	0.53	0.75	1.00	ug/L	10/21/25 10:06	VX102125
120-82-1	1,2,4-Trichlorobenzene	15.2		1	0.20	0.50	1.00	ug/L	10/21/25 10:06	VX102125
87-61-6	1,2,3-Trichlorobenzene	15.5		1	0.20	0.75	1.00	ug/L	10/21/25 10:06	VX102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	49.2			81 - 118		98%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			80 - 119		99%	SPK: 50		
2037-26-5	Toluene-d8	47.8			89 - 112		96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.7			85 - 114		99%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	141000								
540-36-3	1,4-Difluorobenzene	230000								
3114-55-4	Chlorobenzene-d5	212000								
3855-82-1	1,4-Dichlorobenzene-d4	111000								

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1020WBSD01
Lab Sample ID: VX1020WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	17.4		1	0.22	0.50	1.00	ug/L	10/20/25 18:22	VX102025
74-87-3	Chloromethane	20.9		1	0.32	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-01-4	Vinyl Chloride	19.4		1	0.26	0.75	1.00	ug/L	10/20/25 18:22	VX102025
74-83-9	Bromomethane	21.5		1	1.40	3.80	5.00	ug/L	10/20/25 18:22	VX102025
75-00-3	Chloroethane	19.9		1	0.47	0.75	1.00	ug/L	10/20/25 18:22	VX102025
75-69-4	Trichlorofluoromethane	18.3		1	0.33	0.50	1.00	ug/L	10/20/25 18:22	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-35-4	1,1-Dichloroethene	18.3		1	0.23	0.75	1.00	ug/L	10/20/25 18:22	VX102025
67-64-1	Acetone	86.3		1	1.50	3.80	5.00	ug/L	10/20/25 18:22	VX102025
75-15-0	Carbon Disulfide	17.2		1	0.21	0.75	1.00	ug/L	10/20/25 18:22	VX102025
1634-04-4	Methyl tert-butyl Ether	20.4		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
79-20-9	Methyl Acetate	20.2		1	0.27	0.75	1.00	ug/L	10/20/25 18:22	VX102025
75-09-2	Methylene Chloride	21.7		1	0.28	0.50	1.00	ug/L	10/20/25 18:22	VX102025
156-60-5	trans-1,2-Dichloroethene	19.0		1	0.23	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-34-3	1,1-Dichloroethane	19.5		1	0.23	0.50	1.00	ug/L	10/20/25 18:22	VX102025
110-82-7	Cyclohexane	18.1		1	1.50	2.50	5.00	ug/L	10/20/25 18:22	VX102025
78-93-3	2-Butanone	98.7		1	0.98	2.50	5.00	ug/L	10/20/25 18:22	VX102025
56-23-5	Carbon Tetrachloride	17.1		1	0.25	0.50	1.00	ug/L	10/20/25 18:22	VX102025
156-59-2	cis-1,2-Dichloroethene	19.9		1	0.19	0.75	1.00	ug/L	10/20/25 18:22	VX102025
74-97-5	Bromochloromethane	23.6		1	0.22	0.50	1.00	ug/L	10/20/25 18:22	VX102025
67-66-3	Chloroform	20.7		1	0.25	0.50	1.00	ug/L	10/20/25 18:22	VX102025
71-55-6	1,1,1-Trichloroethane	18.8		1	0.20	0.50	1.00	ug/L	10/20/25 18:22	VX102025
108-87-2	Methylcyclohexane	16.4		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
71-43-2	Benzene	18.9		1	0.15	0.50	1.00	ug/L	10/20/25 18:22	VX102025
107-06-2	1,2-Dichloroethane	20.1		1	0.22	0.50	1.00	ug/L	10/20/25 18:22	VX102025
79-01-6	Trichloroethene	18.2		1	0.090	0.75	1.00	ug/L	10/20/25 18:22	VX102025
78-87-5	1,2-Dichloropropane	20.4		1	0.20	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-27-4	Bromodichloromethane	19.8		1	0.22	0.50	1.00	ug/L	10/20/25 18:22	VX102025
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	2.50	5.00	ug/L	10/20/25 18:22	VX102025
108-88-3	Toluene	18.7		1	0.14	0.50	1.00	ug/L	10/20/25 18:22	VX102025
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.17	0.50	1.00	ug/L	10/20/25 18:22	VX102025
10061-01-5	cis-1,3-Dichloropropene	19.4		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
79-00-5	1,1,2-Trichloroethane	21.1		1	0.21	0.50	1.00	ug/L	10/20/25 18:22	VX102025
591-78-6	2-Hexanone	100		1	0.89	2.50	5.00	ug/L	10/20/25 18:22	VX102025
124-48-1	Dibromochloromethane	20.9		1	0.18	0.50	1.00	ug/L	10/20/25 18:22	VX102025
106-93-4	1,2-Dibromoethane	21.4		1	0.15	0.50	1.00	ug/L	10/20/25 18:22	VX102025
127-18-4	Tetrachloroethene	17.0		1	0.23	0.50	1.00	ug/L	10/20/25 18:22	VX102025
108-90-7	Chlorobenzene	19.0		1	0.12	0.50	1.00	ug/L	10/20/25 18:22	VX102025
100-41-4	Ethyl Benzene	17.8		1	0.13	0.50	1.00	ug/L	10/20/25 18:22	VX102025
179601-23-1	m/p-Xylenes	36.6		1	0.24	1.00	2.00	ug/L	10/20/25 18:22	VX102025
95-47-6	o-Xylene	18.4		1	0.12	0.50	1.00	ug/L	10/20/25 18:22	VX102025
100-42-5	Styrene	19.1		1	0.15	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-25-2	Bromoform	19.7		1	0.19	0.50	1.00	ug/L	10/20/25 18:22	VX102025

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1020WBSD01
Lab Sample ID: VX1020WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	17.5		1	0.12	0.50	1.00	ug/L	10/20/25 18:22	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	20.4		1	0.26	0.50	1.00	ug/L	10/20/25 18:22	VX102025
541-73-1	1,3-Dichlorobenzene	18.0		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
106-46-7	1,4-Dichlorobenzene	17.7		1	0.19	0.50	1.00	ug/L	10/20/25 18:22	VX102025
95-50-1	1,2-Dichlorobenzene	18.3		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		1	0.53	0.75	1.00	ug/L	10/20/25 18:22	VX102025
120-82-1	1,2,4-Trichlorobenzene	16.5		1	0.20	0.50	1.00	ug/L	10/20/25 18:22	VX102025
87-61-6	1,2,3-Trichlorobenzene	17.0		1	0.20	0.75	1.00	ug/L	10/20/25 18:22	VX102025
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	57.5			81 - 118		115%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.2			80 - 119		106%	SPK: 50		
2037-26-5	Toluene-d8	51.9			89 - 112		104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.1			85 - 114		104%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	115000								
540-36-3	1,4-Difluorobenzene	196000								
3114-55-4	Chlorobenzene-d5	184000								
3855-82-1	1,4-Dichlorobenzene-d4	92700								

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: Alliance

Contract: TETR06

Lab Code: ACE

SDG No.: Q3371

Instrument ID: MSVOA_X

Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N

Calibration Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX048229.D		RRF020 = VX048231.D		RRF050 = VX048232.D			
		RRF100 = VX048233.D		RRF150 = VX048234.D		RRF005 = VX048236.D			
COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD	
Dichlorodifluoromethane	0.522	0.513	0.483	0.540	0.504	0.522	0.514	3.7	
Chloromethane	0.506	0.468	0.449	0.476	0.471	0.508	0.480	4.8	
Vinyl Chloride	0.447	0.437	0.416	0.462	0.445	0.458	0.444	3.7	
Bromomethane		0.323	0.282	0.280	0.276	0.346	0.302	10.4	
Chloroethane	0.233	0.277	0.247	0.282	0.267	0.261	0.261	7.2	
Trichlorofluoromethane	0.776	0.874	0.807	0.907	0.869	0.880	0.852	5.8	
1,1,2-Trichlorotrifluoroethane	0.512	0.540	0.501	0.583	0.549	0.553	0.540	5.5	
1,1-Dichloroethene	0.515	0.548	0.485	0.558	0.531	0.514	0.525	5	
Acetone	0.300	0.250	0.202	0.221	0.206	0.262	0.240	15.7	
Carbon Disulfide	2.034	1.612	1.442	1.617	1.532	1.689	1.654	12.4	
Methyl tert-butyl Ether	1.894	1.909	1.704	1.817	1.764	1.657	1.791	5.7	
Methyl Acetate	0.514	0.551	0.466	0.514	0.504	0.464	0.502	6.6	
Methylene Chloride	0.555	0.651	0.552	0.597	0.567	0.595	0.586	6.4	
trans-1,2-Dichloroethene	0.587	0.585	0.535	0.592	0.558	0.603	0.577	4.4	
1,1-Dichloroethane	1.116	1.085	0.977	1.055	1.019	1.054	1.051	4.6	
Cyclohexane		0.894	0.821	0.926	0.866	0.843	0.870	4.8	
2-Butanone	0.311	0.329	0.281	0.301	0.290	0.315	0.304	5.7	
Carbon Tetrachloride	0.650	0.594	0.553	0.604	0.567	0.622	0.599	5.9	
cis-1,2-Dichloroethene	0.682	0.700	0.626	0.695	0.661	0.673	0.673	4	
Bromochloromethane	0.388	0.404	0.441	0.462	0.452	0.469	0.436	7.5	
Chloroform	1.147	1.208	1.046	1.127	1.067	1.143	1.123	5.2	
1,1,1-Trichloroethane	1.049	1.085	0.973	1.055	1.007	1.041	1.035	3.8	
Methylcyclohexane	0.551	0.548	0.540	0.626	0.582	0.590	0.573	5.7	
Benzene	1.493	1.480	1.301	1.426	1.347	1.405	1.409	5.3	
1,2-Dichloroethane	0.529	0.566	0.500	0.528	0.496	0.499	0.520	5.2	
Trichloroethene	0.400	0.373	0.348	0.380	0.363	0.366	0.372	4.7	
1,2-Dichloropropane	0.309	0.362	0.321	0.347	0.333	0.337	0.335	5.5	
Bromodichloromethane	0.570	0.592	0.538	0.573	0.538	0.567	0.563	3.8	
4-Methyl-2-Pentanone	0.366	0.422	0.377	0.384	0.362	0.374	0.381	5.7	
Toluene	0.881	0.944	0.862	0.910	0.849	0.925	0.895	4.2	

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>TETR06</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3371</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>10:59</u> <u>13:49</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VX048229.D		RRF020 = VX048231.D		RRF050 = VX048232.D		
		RRF100 = VX048233.D		RRF150 = VX048234.D		RRF005 = VX048236.D		
COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD
t-1,3-Dichloropropene	0.477	0.582	0.545	0.574	0.553	0.526	0.543	7
cis-1,3-Dichloropropene	0.582	0.604	0.572	0.615	0.585	0.556	0.586	3.7
1,1,2-Trichloroethane	0.318	0.357	0.321	0.333	0.313	0.355	0.333	5.8
2-Hexanone	0.231	0.298	0.267	0.271	0.256	0.271	0.266	8.3
Dibromochloromethane	0.482	0.476	0.425	0.442	0.418	0.441	0.447	5.9
1,2-Dibromoethane	0.346	0.393	0.342	0.359	0.336	0.353	0.355	5.7
Tetrachloroethene	0.418	0.378	0.328	0.370	0.361	0.385	0.373	7.9
Chlorobenzene	1.149	1.159	1.045	1.148	1.102	1.145	1.125	3.9
Ethyl Benzene	1.905	1.954	1.825	2.008	1.922	1.876	1.915	3.3
m/p-Xylenes	0.647	0.750	0.687	0.750	0.707	0.727	0.712	5.6
o-Xylene	0.652	0.712	0.664	0.723	0.686	0.684	0.687	3.9
Styrene	1.054	1.236	1.143	1.247	1.173	1.165	1.170	6
Bromoform	0.338	0.350	0.308	0.335	0.326	0.325	0.330	4.3
Isopropylbenzene	3.618	3.656	3.430	3.875	3.754	3.579	3.652	4.2
1,1,2,2-Tetrachloroethane	0.988	1.065	0.946	1.018	0.992	0.974	0.997	4.1
1,3-Dichlorobenzene	1.863	1.742	1.550	1.747	1.707	1.750	1.726	5.9
1,4-Dichlorobenzene	2.143	1.803	1.577	1.724	1.710	1.772	1.788	10.6
1,2-Dichlorobenzene	1.803	1.631	1.494	1.619	1.588	1.590	1.621	6.3
1,2-Dibromo-3-Chloropropane	0.167	0.219	0.195	0.224	0.223	0.187	0.202	11.5
1,2,4-Trichlorobenzene	1.441	0.975	0.959	1.114	1.094	0.994	1.096	16.5
1,2,3-Trichlorobenzene	1.154	0.942	0.909	1.050	1.033	0.947	1.006	9
1,2-Dichloroethane-d4		0.709	0.682	0.690	0.698	0.725	0.701	2.4
Dibromofluoromethane		0.345	0.330	0.346	0.348	0.338	0.341	2.2
Toluene-d8		1.185	1.185	1.196	1.195	1.221	1.196	1.2
4-Bromofluorobenzene		0.445	0.444	0.446	0.441	0.500	0.455	5.5

* 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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3371</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/20/2025 19:25</u>
Lab File ID:	<u>VX048250.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.390		-24.13	50
Chloromethane	0.480	0.382	0.1	-20.42	50
Vinyl Chloride	0.444	0.366		-17.57	50
Bromomethane	0.302	0.257		-14.9	50
Chloroethane	0.261	0.226		-13.41	50
Trichlorofluoromethane	0.852	0.698		-18.08	50
1,1,2-Trichlorotrifluoroethane	0.540	0.436		-19.26	50
1,1-Dichloroethene	0.525	0.438		-16.57	50
Acetone	0.240	0.168		-30	50
Carbon Disulfide	1.654	1.268		-23.34	50
Methyl tert-butyl Ether	1.791	1.597		-10.83	50
Methyl Acetate	0.502	0.453		-9.76	50
Methylene Chloride	0.586	0.524		-10.58	50
trans-1,2-Dichloroethene	0.577	0.499		-13.52	50
1,1-Dichloroethane	1.051	0.916	0.1	-12.85	50
Cyclohexane	0.870	0.750		-13.79	50
2-Butanone	0.304	0.257		-15.46	50
Carbon Tetrachloride	0.599	0.454		-24.21	50
cis-1,2-Dichloroethene	0.673	0.594		-11.74	50
Bromochloromethane	0.436	0.446		2.29	50
Chloroform	1.123	0.970		-13.62	50
1,1,1-Trichloroethane	1.035	0.882		-14.78	50
Methylcyclohexane	0.573	0.450		-21.47	50
Benzene	1.409	1.178		-16.4	50
1,2-Dichloroethane	0.520	0.431		-17.11	50
Trichloroethene	0.372	0.306		-17.74	50
1,2-Dichloropropane	0.335	0.289		-13.73	50
Bromodichloromethane	0.563	0.468		-16.87	50
4-Methyl-2-Pentanone	0.381	0.326		-14.44	50
Toluene	0.895	0.741		-17.21	50
t-1,3-Dichloropropene	0.543	0.460		-15.28	50
cis-1,3-Dichloropropene	0.586	0.492		-16.04	50
1,1,2-Trichloroethane	0.333	0.282		-15.31	50
2-Hexanone	0.266	0.224		-15.79	50
Dibromochloromethane	0.447	0.366		-18.12	50
1,2-Dibromoethane	0.355	0.301		-15.21	50
Tetrachloroethene	0.373	0.280		-24.93	50
Chlorobenzene	1.125	0.895	0.3	-20.44	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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3371</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/20/2025</u> <u>19:25</u>
Lab File ID:	<u>VX048250.D</u>	Init. Calib. Date(s):	<u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59</u> <u>13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.531		-20.05	50
m/p-Xylenes	0.712	0.582		-18.26	50
o-Xylene	0.687	0.558		-18.78	50
Styrene	1.170	0.976		-16.58	50
Bromoform	0.330	0.259	0.1	-21.51	50
Isopropylbenzene	3.652	2.868		-21.47	50
1,1,2,2-Tetrachloroethane	0.997	0.804	0.3	-19.36	50
1,3-Dichlorobenzene	1.726	1.338		-22.48	50
1,4-Dichlorobenzene	1.788	1.344		-24.83	50
1,2-Dichlorobenzene	1.621	1.253		-22.7	50
1,2-Dibromo-3-Chloropropane	0.202	0.163		-19.31	50
1,2,4-Trichlorobenzene	1.096	0.800		-27.01	50
1,2,3-Trichlorobenzene	1.006	0.753		-25.15	50
1,2-Dichloroethane-d4	0.701	0.653		-6.85	50
Dibromofluoromethane	0.341	0.312		-8.5	50
Toluene-d8	1.196	1.070		-10.53	50
4-Bromofluorobenzene	0.455	0.424		-6.81	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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3371</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025 08:43</u>
Lab File ID:	<u>VX048252.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.496		-3.5	20
Chloromethane	0.480	0.468	0.1	-2.5	20
Vinyl Chloride	0.444	0.448		0.9	20
Bromomethane	0.302	0.299		-0.99	20
Chloroethane	0.261	0.261		0	20
Trichlorofluoromethane	0.852	0.813		-4.58	20
1,1,2-Trichlorotrifluoroethane	0.540	0.513		-5	20
1,1-Dichloroethene	0.525	0.498		-5.14	20
Acetone	0.240	0.230		-4.17	20
Carbon Disulfide	1.654	1.439		-13	20
Methyl tert-butyl Ether	1.791	1.576		-12	20
Methyl Acetate	0.502	0.411		-18.13	20
Methylene Chloride	0.586	0.556		-5.12	20
trans-1,2-Dichloroethene	0.577	0.538		-6.76	20
1,1-Dichloroethane	1.051	0.952	0.1	-9.42	20
Cyclohexane	0.870	0.788		-9.43	20
2-Butanone	0.304	0.260		-14.47	20
Carbon Tetrachloride	0.599	0.533		-11.02	20
cis-1,2-Dichloroethene	0.673	0.610		-9.36	20
Bromochloromethane	0.436	0.435		-0.23	20
Chloroform	1.123	1.006		-10.42	20
1,1,1-Trichloroethane	1.035	0.920		-11.11	20
Methylcyclohexane	0.573	0.510		-10.99	20
Benzene	1.409	1.280		-9.15	20
1,2-Dichloroethane	0.520	0.466		-10.39	20
Trichloroethene	0.372	0.337		-9.41	20
1,2-Dichloropropane	0.335	0.305		-8.95	20
Bromodichloromethane	0.563	0.510		-9.41	20
4-Methyl-2-Pentanone	0.381	0.302		-20.74	20
Toluene	0.895	0.795		-11.17	20
t-1,3-Dichloropropene	0.543	0.493		-9.21	20
cis-1,3-Dichloropropene	0.586	0.529		-9.73	20
1,1,2-Trichloroethane	0.333	0.291		-12.61	20
2-Hexanone	0.266	0.227		-14.66	20
Dibromochloromethane	0.447	0.388		-13.2	20
1,2-Dibromoethane	0.355	0.307		-13.52	20
Tetrachloroethene	0.373	0.325		-12.87	20
Chlorobenzene	1.125	1.025	0.3	-8.89	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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3371</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>08:43</u>
Lab File ID:	<u>VX048252.D</u>	Init. Calib. Date(s):	<u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59</u> <u>13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.738		-9.24	20
m/p-Xylenes	0.712	0.666		-6.46	20
o-Xylene	0.687	0.625		-9.02	20
Styrene	1.170	1.107		-5.39	20
Bromoform	0.330	0.283	0.1	-14.24	20
Isopropylbenzene	3.652	3.379		-7.47	20
1,1,2,2-Tetrachloroethane	0.997	0.857	0.3	-14.04	20
1,3-Dichlorobenzene	1.726	1.555		-9.91	20
1,4-Dichlorobenzene	1.788	1.551		-13.26	20
1,2-Dichlorobenzene	1.621	1.416		-12.65	20
1,2-Dibromo-3-Chloropropane	0.202	0.163		-19.31	20
1,2,4-Trichlorobenzene	1.096	0.885		-19.25	20
1,2,3-Trichlorobenzene	1.006	0.834		-17.1	20
1,2-Dichloroethane-d4	0.701	0.658		-6.13	20
Dibromofluoromethane	0.341	0.340		-0.29	20
Toluene-d8	1.196	1.150		-3.85	20
4-Bromofluorobenzene	0.455	0.419		-7.91	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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3371</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>18:09</u>
Lab File ID:	<u>VX048278.D</u>	Init. Calib. Date(s):	<u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59</u> <u>13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.469		-8.76	50
Chloromethane	0.480	0.395	0.1	-17.71	50
Vinyl Chloride	0.444	0.366		-17.57	50
Bromomethane	0.302	0.258		-14.57	50
Chloroethane	0.261	0.231		-11.49	50
Trichlorofluoromethane	0.852	0.801		-5.99	50
1,1,2-Trichlorotrifluoroethane	0.540	0.479		-11.3	50
1,1-Dichloroethene	0.525	0.490		-6.67	50
Acetone	0.240	0.185		-22.92	50
Carbon Disulfide	1.654	1.375		-16.87	50
Methyl tert-butyl Ether	1.791	1.749		-2.35	50
Methyl Acetate	0.502	0.451		-10.16	50
Methylene Chloride	0.586	0.564		-3.75	50
trans-1,2-Dichloroethene	0.577	0.537		-6.93	50
1,1-Dichloroethane	1.051	0.987	0.1	-6.09	50
Cyclohexane	0.870	0.770		-11.49	50
2-Butanone	0.304	0.262		-13.82	50
Carbon Tetrachloride	0.599	0.547		-8.68	50
cis-1,2-Dichloroethene	0.673	0.652		-3.12	50
Bromochloromethane	0.436	0.416		-4.59	50
Chloroform	1.123	1.104		-1.69	50
1,1,1-Trichloroethane	1.035	1.009		-2.51	50
Methylcyclohexane	0.573	0.489		-14.66	50
Benzene	1.409	1.285		-8.8	50
1,2-Dichloroethane	0.520	0.519		-0.19	50
Trichloroethene	0.372	0.348		-6.45	50
1,2-Dichloropropane	0.335	0.311		-7.16	50
Bromodichloromethane	0.563	0.545		-3.2	50
4-Methyl-2-Pentanone	0.381	0.346		-9.19	50
Toluene	0.895	0.860		-3.91	50
t-1,3-Dichloropropene	0.543	0.540		-0.55	50
cis-1,3-Dichloropropene	0.586	0.561		-4.27	50
1,1,2-Trichloroethane	0.333	0.324		-2.7	50
2-Hexanone	0.266	0.244		-8.27	50
Dibromochloromethane	0.447	0.441		-1.34	50
1,2-Dibromoethane	0.355	0.344		-3.1	50
Tetrachloroethene	0.373	0.316		-15.28	50
Chlorobenzene	1.125	1.027	0.3	-8.71	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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3371</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>18:09</u>
Lab File ID:	<u>VX048278.D</u>	Init. Calib. Date(s):	<u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59</u> <u>13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.736		-9.35	50
m/p-Xylenes	0.712	0.662		-7.02	50
o-Xylene	0.687	0.645		-6.11	50
Styrene	1.170	1.126		-3.76	50
Bromoform	0.330	0.304	0.1	-7.88	50
Isopropylbenzene	3.652	3.018		-17.36	50
1,1,2,2-Tetrachloroethane	0.997	0.843	0.3	-15.45	50
1,3-Dichlorobenzene	1.726	1.412		-18.19	50
1,4-Dichlorobenzene	1.788	1.440		-19.46	50
1,2-Dichlorobenzene	1.621	1.364		-15.85	50
1,2-Dibromo-3-Chloropropane	0.202	0.166		-17.82	50
1,2,4-Trichlorobenzene	1.096	0.844		-22.99	50
1,2,3-Trichlorobenzene	1.006	0.810		-19.48	50
1,2-Dichloroethane-d4	0.701	0.787		12.27	50
Dibromofluoromethane	0.341	0.360		5.57	50
Toluene-d8	1.196	1.238		3.51	50
4-Bromofluorobenzene	0.455	0.547		20.22	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:	Q3371	OrderDate:	10/16/2025 4:13:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3371-02	BP-VPB-184-EB-2025 1016	Water			10/16/25			10/16/25
			SVOC-SIMGroup1	8270-Modified		10/20/25	10/20/25	
Q3371-03	VPB184-HYD-202510 10	Water			10/10/25			10/16/25
			SVOC-SIMGroup1	8270-Modified		10/20/25	10/20/25	
Q3371-05	BP-VPB-184-GW-920- 922	Water			10/15/25			10/16/25
			SVOC-SIMGroup1	8270-Modified		10/20/25	10/20/25	
Q3371-06	VPB184-HYD-202510 16	Water			10/16/25			10/16/25
			SVOC-SIMGroup1	8270-Modified		10/20/25	10/20/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q3371
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : BP-VPB-184-EB-20251016								
Q3371-02	BP-VPB-184-EB-202510 WATER	1,4-Dioxane	0.090	J	0.07	0.22	0.22	ug/L
		Total Svoc :			0.09			
		Total Concentration:			0.09			
Client ID : VPB184-HYD-20251016								
Q3371-06	VPB184-HYD-20251016 WATER	1,4-Dioxane	0.070	J	0.07	0.2	0.2	ug/L
		Total Svoc :			0.07			
		Total Concentration:			0.07			



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/16/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-EB-20251016		SDG No.:	Q3371
Lab Sample ID:	Q3371-02		Matrix:	Water
Analytical Method:	SW8270ESIM	Level : LOW	% Solid:	0
Sample Wt/Vol:	900 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :		Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.090	J	1	0.070	0.22	0.22	ug/L	10/20/25 19:45	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.30			30 - 150		76%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.42			30 - 150		105%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			55 - 111		91%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.35			53 - 106		87%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.55	*		58 - 132		137%	SPK: 0.4		
INTERNAL STANDARDS										
		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	6200								
1146-65-2	Naphthalene-d8	16000								
15067-26-2	Acenaphthene-d10	8400								
1517-22-2	Phenanthrene-d10	17100								
1719-03-5	Chrysene-d12	15000								
1520-96-3	Perylene-d12	14500								

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:	Tetra Tech NUS, Inc.		Date Collected:	10/10/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	10/16/25
Client Sample ID:	VPB184-HYD-20251010		SDG No.:	Q3371
Lab Sample ID:	Q3371-03		Matrix:	Water
Analytical Method:	SW8270ESIM	Level : LOW	% Solid:	0
Sample Wt/Vol:	970 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	Prep Date: 10/20/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.21	U	1	0.070	0.21	0.21	ug/L	10/20/25 20:21	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.016	*		30 - 150		4%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.042	*		30 - 150		10%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			55 - 111		86%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.34			53 - 106		84%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.55	*		58 - 132		137%	SPK: 0.4		
INTERNAL STANDARDS										
		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	7050								
1146-65-2	Naphthalene-d8	18600								
15067-26-2	Acenaphthene-d10	9630								
1517-22-2	Phenanthrene-d10	18000								
1719-03-5	Chrysene-d12	14000								
1520-96-3	Perylene-d12	12700								

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:	Tetra Tech NUS, Inc.		Date Collected:	10/15/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-GW-920-922		SDG No.:	Q3371
Lab Sample ID:	Q3371-05		Matrix:	Water
Analytical Method:	SW8270ESIM	Level : LOW	% Solid:	0
Sample Wt/Vol:	790 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :		Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.25	U	1	0.080	0.25	0.25	ug/L	10/20/25 20:58	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.29			30 - 150		73%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.41			30 - 150		101%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.35			55 - 111		88%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.33			53 - 106		83%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.55	*		58 - 132		137%	SPK: 0.4		
INTERNAL STANDARDS										
		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	7240								
1146-65-2	Naphthalene-d8	19100								
15067-26-2	Acenaphthene-d10	10100								
1517-22-2	Phenanthrene-d10	20200								
1719-03-5	Chrysene-d12	17500								
1520-96-3	Perylene-d12	17400								

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:	Tetra Tech NUS, Inc.		Date Collected:	10/16/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	10/16/25
Client Sample ID:	VPB184-HYD-20251016		SDG No.:	Q3371
Lab Sample ID:	Q3371-06		Matrix:	Water
Analytical Method:	SW8270ESIM	Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :		Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.070	J	1	0.070	0.20	0.20	ug/L	10/20/25 21:34	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.014	*		30 - 150		4%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.043	*		30 - 150		11%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.31			55 - 111		77%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.32			53 - 106		79%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.52			58 - 132		131%	SPK: 0.4		
INTERNAL STANDARDS		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	7490								
1146-65-2	Naphthalene-d8	19900								
15067-26-2	Acenaphthene-d10	10200								
1517-22-2	Phenanthrene-d10	19700								
1719-03-5	Chrysene-d12	16600								
1520-96-3	Perylene-d12	14800								

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.: Q3371

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170167BL	PB170167BL	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
PB170167BS	PB170167BS	2-Methylnaphthalene-d10	0.4	0.40	99		30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.42	104		55	111
		2-Fluorobiphenyl	0.4	0.44	111	*	53	106
		Terphenyl-d14	0.4	0.51	127		58	132
PB170167BSD	PB170167BSD	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.31	78		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.42	105		53	106
		Terphenyl-d14	0.4	0.47	117		58	132
Q3371-02	BP-VPB-184-EB-20251016	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
		Fluoranthene-d10	0.4	0.42	105		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.55	137	*	58	132
Q3371-03	VPB184-HYD-20251010	2-Methylnaphthalene-d10	0.4	0.016	4	*	30	150
		Fluoranthene-d10	0.4	0.042	10	*	30	150
		Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.55	137	*	58	132
Q3371-05	BP-VPB-184-GW-920-922	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.55	137	*	58	132
Q3371-06	VPB184-HYD-20251016	2-Methylnaphthalene-d10	0.4	0.014	4	*	30	150
		Fluoranthene-d10	0.4	0.043	11	*	30	150
		Nitrobenzene-d5	0.4	0.31	77		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.52	131		58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3371

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038103.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170167BS	1,4-Dioxane	0.4	0.38	ug/L	95				70	130	

A
B
C
D
E
F
G

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3371

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038104.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170167BSD	1,4-Dioxane	0.4	0.35	ug/L	88	8			70	130		20

A
B
C
D
E
F
G

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170167BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3371

Lab File ID: BN038102.D

Lab Sample ID: PB170167BL

Instrument ID: BNA_N

Date Extracted: 10/20/2025

Matrix: (soil/water) Water

Date Analyzed: 10/20/2025

Level: (low/med) LOW

Time Analyzed: 17:56

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170167BS	PB170167BS	BN038103.D	10/20/2025
PB170167BSD	PB170167BSD	BN038104.D	10/20/2025
BP-VPB-184-EB-20251016	Q3371-02	BN038105.D	10/20/2025
VPB184-HYD-20251010	Q3371-03	BN038106.D	10/20/2025
BP-VPB-184-GW-920-922	Q3371-05	BN038107.D	10/20/2025
VPB184-HYD-20251016	Q3371-06	BN038108.D	10/20/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037860.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3371
DFTPP Injection Date: 09/23/2025
DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 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	6.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	72.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (20.8) 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	BN037861.D	09/23/2025	12:13
SSTDICC0.2	SSTDICC0.2	BN037862.D	09/23/2025	12:49
SSTDICCC0.4	SSTDICCC0.4	BN037863.D	09/23/2025	13:25
SSTDICC0.8	SSTDICC0.8	BN037864.D	09/23/2025	14:02
SSTDICC1.6	SSTDICC1.6	BN037865.D	09/23/2025	14:38
SSTDICC3.2	SSTDICC3.2	BN037866.D	09/23/2025	15:15
SSTDICC5.0	SSTDICC5.0	BN037867.D	09/23/2025	15:51

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038100.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3371
DFTPP Injection Date: 10/20/2025
DFTPP Injection Time: 16:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (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	3.6
441	Present, but less than mass 443	82.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17 (19.6) 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	BN038101.D	10/20/2025	17:20
PB170167BL	PB170167BL	BN038102.D	10/20/2025	17:56
PB170167BS	PB170167BS	BN038103.D	10/20/2025	18:33
PB170167BSD	PB170167BSD	BN038104.D	10/20/2025	19:09
BP-VPB-184-EB-20251016	Q3371-02	BN038105.D	10/20/2025	19:45
VPB184-HYD-20251010	Q3371-03	BN038106.D	10/20/2025	20:21
BP-VPB-184-GW-920-922	Q3371-05	BN038107.D	10/20/2025	20:58
VPB184-HYD-20251016	Q3371-06	BN038108.D	10/20/2025	21:34
SSTDCCC0.4EC	SSTDCCC0.4	BN038109.D	10/20/2025	22:10

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3371

Client ID : SSTDCCC0.4

Date Analyzed: 10/20/2025

Lab File ID: BN038101.D

Time Analyzed: 17:20

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	8494	7.789	23762	10.58	12771	14.44
UPPER LIMIT	16988	8.289	47524	11.084	25542	14.941
LOWER LIMIT	4247	7.289	11881	10.084	6385.5	13.941
EPA SAMPLE NO.						
01 PB170167BL	8486	7.79	21914	10.59	10397	14.45
02 PB170167BS	7519	7.79	19915	10.58	9572	14.44
03 PB170167BSD	15910	7.79	42753	10.58	20532	14.44
04 BP-VPB-184-EB-20251016	6197	7.79	16002	10.58	8401	14.44
05 VPB184-HYD-20251010	7049	7.79	18584	10.58	9633	14.44
06 BP-VPB-184-GW-920-922	7237	7.79	19084	10.58	10109	14.44
07 VPB184-HYD-20251016	7491	7.79	19850	10.58	10193	14.44

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: Alliance

Lab Code: ACE

SDG NO.: Q3371

Client ID: SSTDCCC0.4

Date Analyzed: 10/20/2025

Lab File ID: BN038101.D

Time Analyzed: 17:20

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	22871	17.198	16306	21.384	14546	23.701
UPPER LIMIT	45742	17.698	32612	21.884	29092	24.201
LOWER LIMIT	11435.5	16.698	8153	20.884	7273	23.201
EPA SAMPLE NO.						
01 PB170167BL	17174	17.20	12295	21.38	12453	23.70
02 PB170167BS	16635	17.20	10986	21.38	10158	23.70
03 PB170167BSD	36706	17.20	24714	21.38	22637	23.70
04 BP-VPB-184-EB-20251016	17071	17.20	15030	21.38	14485	23.70
05 VPB184-HYD-20251010	18045	17.20	14009	21.38	12701	23.70
06 BP-VPB-184-GW-920-922	20161	17.20	17522	21.38	17404	23.69
07 VPB184-HYD-20251016	19689	17.20	16604	21.38	14840	23.69

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:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB170167BL		SDG No.:	Q3371
Lab Sample ID:	PB170167BL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :		Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.20	U	1	0.070	0.20	0.20	ug/L	10/20/25 17:56	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.34			30 - 150		85%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.33			30 - 150		83%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			55 - 111		90%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.39			53 - 106		98%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.45			58 - 132		113%	SPK: 0.4		
INTERNAL STANDARDS										
		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	8490								
1146-65-2	Naphthalene-d8	21900								
15067-26-2	Acenaphthene-d10	10400								
1517-22-2	Phenanthrene-d10	17200								
1719-03-5	Chrysene-d12	12300								
1520-96-3	Perylene-d12	12500								

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: PB170167BS
Lab Sample ID: PB170167BS
Analytical Method: SW8270ESIM Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : Prep Date: 10/20/25

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: SVOC-SIMGroup1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.38		1	0.070	0.20	0.20	ug/L	10/20/25 18:33	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.40			30 - 150		99%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.34			30 - 150		85%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.42			55 - 111		104%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.44	*		53 - 106		111%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.51			58 - 132		127%	SPK: 0.4		
INTERNAL STANDARDS										
		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	7520								
1146-65-2	Naphthalene-d8	19900								
15067-26-2	Acenaphthene-d10	9570								
1517-22-2	Phenanthrene-d10	16600								
1719-03-5	Chrysene-d12	11000								
1520-96-3	Perylene-d12	10200								

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: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: PB170167BSD
Lab Sample ID: PB170167BSD
Analytical Method: SW8270ESIM Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : Prep Date: 10/20/25

Date Collected:
Date Received:
SDG No.: Q3371
Matrix: Water
% Solid: 0
Test: SVOC-SIMGroup1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.35		1	0.070	0.20	0.20	ug/L	10/20/25 19:09	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.36			30 - 150		90%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.31			30 - 150		78%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.38			55 - 111		95%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.42			53 - 106		105%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.47			58 - 132		117%	SPK: 0.4		
INTERNAL STANDARDS										
		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	15900								
1146-65-2	Naphthalene-d8	42800								
15067-26-2	Acenaphthene-d10	20500								
1517-22-2	Phenanthrene-d10	36700								
1719-03-5	Chrysene-d12	24700								
1520-96-3	Perylene-d12	22600								

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-BN092325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 24 11:00:01 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037861.D 0.2 =BN037862.D 0.4 =BN037863.D 0.8 =BN037864.D 1.6 =BN037865.D 3.2 =BN037866.D 5 =BN037867.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.413	0.410	0.403	0.425	0.410	0.376	0.406		4.04
3)	n-Nitrosodimet...	0.541	0.517	0.526	0.561	0.549	0.547	0.540		3.03
4) S	2-Fluorophenol	0.944	0.921	0.856	0.839	0.908	0.923	0.998	0.913	5.84
5) S	Phenol-d6	1.190	1.200	1.118	1.088	1.211	1.236	1.353	1.199	7.15
6)	bis(2-Chloroet...	1.133	1.096	1.082	1.066	1.150	1.124	1.143	1.113	2.89
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.299	0.289	0.289	0.290	0.310	0.320	0.338	0.305	6.14
9)	Naphthalene	1.105	1.089	1.048	1.051	1.123	1.137	1.160	1.102	3.84
10)	Hexachlorobuta...	0.198	0.184	0.182	0.183	0.192	0.188	0.188	0.188	2.94
11) SURR2	Methylnaphth...	0.515	0.518	0.499	0.504	0.553	0.587	0.714	0.556	13.74
12)	2-Methylnaphth...	0.678	0.681	0.668	0.682	0.754	0.775	0.802	0.720	7.68
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.148	0.142	0.135	0.139	0.163	0.184		0.152	12.15
15) S	2-Fluorobiphenyl	1.660	1.631	1.559	1.547	1.654	1.650	1.762	1.638	4.36
16)	Acenaphthylene	1.698	1.721	1.663	1.680	1.907	1.951	2.094	1.816	9.23
17)	Acenaphthene	1.262	1.230	1.198	1.208	1.351	1.371	1.437	1.294	7.16
18)	Fluorene	1.455	1.455	1.452	1.466	1.664	1.717	1.748	1.565	8.77
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.041	0.044	0.046	0.058	0.071	0.084	0.057		29.75
21)	4-Bromophenyl-...	0.252	0.247	0.244	0.244	0.272	0.275	0.291	0.261	7.07
22)	Hexachlorobenzene	0.317	0.312	0.305	0.300	0.324	0.323	0.332	0.316	3.53
23)	Atrazine	0.180	0.181	0.172	0.178	0.205	0.224	0.249	0.199	14.70
24)	Pentachlorophenol	0.101	0.092	0.097	0.116	0.136		0.108		16.50
25)	Phenanthrene	1.301	1.271	1.230	1.224	1.358	1.379	1.452	1.316	6.37
26)	Anthracene	1.034	1.035	1.023	1.057	1.209	1.275	1.361	1.142	12.10
27) SURR	Fluoranthene-d10	0.880	0.918	0.887	0.900	1.004	1.085	1.370	1.006	17.59
28)	Fluoranthene	1.278	1.315	1.311	1.358	1.555	1.617	1.713	1.450	12.07
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.576	1.600	1.521	1.476	1.607	1.595	1.679	1.579	4.12
31) S	Terphenyl-d14	0.799	0.791	0.753	0.735	0.798	0.809	0.893	0.797	6.34
32)	Benzo(a)anthra...	1.376	1.359	1.294	1.285	1.423	1.483	1.567	1.398	7.27
33)	Chrysene	1.508	1.526	1.462	1.446	1.559	1.512	1.569	1.512	3.03
34)	Bis(2-ethylhex...	0.592	0.487	0.476	0.518	0.569	0.676	0.553		13.57
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN092325.M

36)	Indeno(1,2,3-c...	1.715	1.672	1.658	1.707	1.887	1.996	2.159	1.828	10.52
37)	Benzo(b)fluora...	1.599	1.606	1.641	1.590	1.810	1.848	1.981	1.725	8.95
38)	Benzo(k)fluora...	1.620	1.586	1.597	1.628	1.875	1.917	1.926	1.736	9.26
39) C	Benzo(a)pyrene	1.254	1.296	1.231	1.254	1.413	1.492	1.610	1.364	10.61
40)	Dibenzo(a,h)an...	1.285	1.283	1.303	1.333	1.495	1.587	1.705	1.427	11.87
41)	Benzo(g,h,i)pe...	1.407	1.381	1.404	1.397	1.521	1.613	1.773	1.499	9.85

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06
 Lab Code: ACE SDG No.: Q3371
 Instrument ID: BNA_N Calibration Date/Time: 10/20/2025 17:20
 Lab File ID: BN038101.D Init. Calib. Date(s): 09/23/2025 09/23/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.539		-3.1	20.0
Fluoranthene-d10	1.006	0.870		-13.5	20.0
2-Fluorophenol	0.913	0.879		-3.7	20.0
Phenol-d6	1.199	1.019		-15.0	20.0
Nitrobenzene-d5	0.305	0.277		-9.2	20.0
2-Fluorobiphenyl	1.638	1.602		-2.2	20.0
2,4,6-Tribromophenol	0.152	0.135		-11.2	20.0
Terphenyl-d14	0.797	0.829		4.0	20.0
1,4-Dioxane	0.406	0.472		16.3	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG No.: Q3371
Instrument ID: BNA_N Calibration Date/Time: 10/20/2025 22:10
Lab File ID: BN038109.D Init. Calib. Date(s): 09/23/2025 09/23/2025
EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 12:13 15:51
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.519		-6.7	50.0
Fluoranthene-d10	1.006	0.890		-11.5	50.0
2-Fluorophenol	0.913	0.912		-0.1	50.0
Phenol-d6	1.199	1.015		-15.3	50.0
Nitrobenzene-d5	0.305	0.273		-10.5	50.0
2-Fluorobiphenyl	1.638	1.528		-6.7	50.0
2,4,6-Tribromophenol	0.152	0.126		-17.1	50.0
Terphenyl-d14	0.797	0.855		7.3	50.0
1,4-Dioxane	0.406	0.486		19.7	50.0

All other compounds must meet a minimum RRF of 0.010.



SHIPPING DOCUMENTS

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3371	TETR06	Order Date : 10/16/2025 4:13:00 PM	Project Mgr :
Client Name : Tetra Tech NUS, Inc.		Project Name : NWIRP Bethpage 112G080	Report Type : Level 4
Client Contact : Ernie Wu		Receive DateTime : 10/16/2025 6:40:00 PM	EDD Type : ADAPT
Invoice Name : Tetra Tech NUS, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Ernie Wu			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3371-01	BP-VPB-184-TB-20251010	Water	10/10/2025	09:00					
					VOC-TCLVOA-10		8260-Low	2 Bus. Days	
Q3371-02	BP-VPB-184-EB-20251016	Water	10/16/2025	09:00					
					VOC-TCLVOA-10		8260-Low	2 Bus. Days	
Q3371-03	VPB184-HYD-20251010	Water	10/10/2025	14:00					
					VOC-TCLVOA-10		8260-Low	2 Bus. Days	
Q3371-04	BP-VPB-184-GW-915-917	Water	10/15/2025	09:45					
					VOC-TCLVOA-10		8260-Low	2 Bus. Days	
Q3371-05	BP-VPB-184-GW-920-922	Water	10/15/2025	11:56					
					VOC-TCLVOA-10		8260-Low	2 Bus. Days	
Q3371-06	VPB184-HYD-20251016	Water	10/16/2025	14:30					
					VOC-TCLVOA-10		8260-Low	2 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3371	TETR06	Order Date : 10/16/2025 4:13:00 PM	Project Mgr :
Client Name : Tetra Tech NUS, Inc.		Project Name : NWIRP Bethpage 112G080	Report Type : Level 4
Client Contact : Ernie Wu		Receive DateTime : 10/16/2025 6:40:00 PM	EDD Type : ADAPT
Invoice Name : Tetra Tech NUS, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Ernie Wu			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By :

Date / Time : 10/17/25 1335

Received By :

Date / Time : 10/17/25 13:35 Pg 4

Storage Area : VOA Refridgerator Room