

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 : Q2886

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	60
7) Shipping Document	82
7.1) CHAIN OF CUSTODY	83
7.2) Lab Certificate	84
7.3) Internal COC	85

1
2
3
4
5
6
7

Cover Page

Order ID : Q2886

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q2886-01
Q2886-02

Client Sample Number

BP-TT182D-TB-20250814
BP-TT182D-GW-20250814

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: 8/28/2025

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 # Q2886

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

2 Water samples were received on 08/15/2025.

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 met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

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

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 not QT review data is reported in the Miscellaneous.

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



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

for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

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

Signature_____

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager : Ernie Wu

Order ID # Q2886

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

1 Water sample was received on 08/15/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The 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 BN037641.D met the requirements except for Phenol-d6. Failed surrogate is not associated with DOD, Therefore no further corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

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

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

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

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2886

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: 08/28/2025

LAB CHRONICLE

OrderID:	Q2886	OrderDate:	8/15/2025 11:08:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2886-01	BP-TT182D-TB-20250 814	Water			08/14/25			08/15/25
			VOC-TCLVOA-10	8260-Low			08/15/25	
Q2886-02	BP-TT182D-GW-2025 0814	Water			08/14/25			08/15/25
			VOC-TCLVOA-10	8260-Low			08/18/25	

Hit Summary Sheet
SW-846

SDG No.: Q2886
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	BP-TT182D-TB-20250814								
Q2886-01	BP-TT182D-TB-20: Water	Acetone		1.80	J	1.50	3.80	5.00	ug/L
		Total Voc :		1.80					
		Total Concentration:		1.80					

A

B

C

D

E

F

G



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	08/14/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	08/15/25	
Client Sample ID:	BP-TT182D-TB-20250814		SDG No.:	Q2886	
Lab Sample ID:	Q2886-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047366.D	1	08/15/25 16:36	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	08/14/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	08/15/25	
Client Sample ID:	BP-TT182D-TB-20250814		SDG No.:	Q2886	
Lab Sample ID:	Q2886-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047366.D	1	08/15/25 16:36	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.2		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	323000	5.568				
540-36-3	1,4-Difluorobenzene	633000	6.769				
3114-55-4	Chlorobenzene-d5	621000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	310000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	08/14/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	08/15/25	
Client Sample ID:	BP-TT182D-TB-20250814		SDG No.:	Q2886	
Lab Sample ID:	Q2886-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047366.D	1	08/15/25 16:36	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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.		Date Collected:	08/14/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	08/15/25	
Client Sample ID:	BP-TT182D-GW-20250814		SDG No.:	Q2886	
Lab Sample ID:	Q2886-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047376.D	1	08/18/25 13:06	VX081825

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	08/14/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	08/15/25	
Client Sample ID:	BP-TT182D-GW-20250814		SDG No.:	Q2886	
Lab Sample ID:	Q2886-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047376.D	1	08/18/25 13:06	VX081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	319000	5.568				
540-36-3	1,4-Difluorobenzene	626000	6.769				
3114-55-4	Chlorobenzene-d5	612000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	302000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	08/14/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	08/15/25	
Client Sample ID:	BP-TT182D-GW-20250814		SDG No.:	Q2886	
Lab Sample ID:	Q2886-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047376.D	1	08/18/25 13:06	VX081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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



QC SUMMARY

Surrogate Summary

SDG No.: **Q2886**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2886-01	BP-TT182D-TB-20250814	1,2-Dichloroethane-d4	50	55.2	110		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	51.2	102		89	112
		4-Bromofluorobenzene	50	56.1	112		85	114
Q2886-02	BP-TT182D-GW-20250814	1,2-Dichloroethane-d4	50	53.0	106		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	49.1	98		89	112
		4-Bromofluorobenzene	50	55.4	111		85	114
VX0815WBL01	VX0815WBL01	1,2-Dichloroethane-d4	50	57.3	115		81	118
		Dibromofluoromethane	50	54.4	109		80	119
		Toluene-d8	50	51.5	103		89	112
		4-Bromofluorobenzene	50	57.2	114		85	114
VX0815WBS01	VX0815WBS01	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	50.8	102		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
VX0815WBSD01	VX0815WBSD01	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	50.3	101		89	112
		4-Bromofluorobenzene	50	53.3	107		85	114
VX0818WBL01	VX0818WBL01	1,2-Dichloroethane-d4	50	54.0	108		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	50.2	100		89	112
		4-Bromofluorobenzene	50	56.1	112		85	114
VX0818WBS01	VX0818WBS01	1,2-Dichloroethane-d4	50	49.7	99		81	118
		Dibromofluoromethane	50	51.4	103		80	119
		Toluene-d8	50	50.7	101		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2886	Analytical Method:	SW8260-Low
Client:	Tetra Tech NUS, Inc.	Datafile :	VX047360.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0815WBS01	Dichlorodifluoromethane	20	17.0	ug/L	85			32	152	
	Chloromethane	20	16.0	ug/L	80			50	139	
	Vinyl chloride	20	16.4	ug/L	82			58	137	
	Bromomethane	20	18.0	ug/L	90			53	141	
	Chloroethane	20	17.2	ug/L	86			60	138	
	Trichlorofluoromethane	20	16.5	ug/L	83			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.1	ug/L	86			70	136	
	1,1-Dichloroethene	20	16.8	ug/L	84			71	131	
	Acetone	100	97.4	ug/L	97			39	160	
	Carbon disulfide	20	16.1	ug/L	81			64	133	
	Methyl tert-butyl Ether	20	17.1	ug/L	86			71	124	
	Methyl Acetate	20	17.7	ug/L	89			56	136	
	Methylene Chloride	20	16.7	ug/L	84			74	124	
	trans-1,2-Dichloroethene	20	16.8	ug/L	84			75	124	
	1,1-Dichloroethane	20	16.7	ug/L	84			77	125	
	Cyclohexane	20	16.4	ug/L	82			71	130	
	2-Butanone	100	93.4	ug/L	93			56	143	
	Carbon Tetrachloride	20	16.8	ug/L	84			72	136	
	cis-1,2-Dichloroethene	20	16.4	ug/L	82			78	123	
	Bromochloromethane	20	20.3	ug/L	102			78	123	
	Chloroform	20	17.2	ug/L	86			79	124	
	1,1,1-Trichloroethane	20	16.8	ug/L	84			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	17.3	ug/L	86			79	120	
	1,2-Dichloroethane	20	17.6	ug/L	88			73	128	
	Trichloroethene	20	17.1	ug/L	86			79	123	
	1,2-Dichloropropane	20	17.2	ug/L	86			78	122	
	Bromodichloromethane	20	17.2	ug/L	86			79	125	
	4-Methyl-2-Pentanone	100	92.0	ug/L	92			67	130	
	Toluene	20	17.6	ug/L	88			80	121	
	t-1,3-Dichloropropene	20	16.9	ug/L	85			73	127	
	cis-1,3-Dichloropropene	20	17.2	ug/L	86			75	124	
	1,1,2-Trichloroethane	20	17.7	ug/L	89			80	119	
	2-Hexanone	100	92.3	ug/L	92			57	139	
	Dibromochloromethane	20	17.0	ug/L	85			74	126	
	1,2-Dibromoethane	20	17.7	ug/L	89			77	121	
	Tetrachloroethene	20	16.9	ug/L	85			74	129	
	Chlorobenzene	20	17.0	ug/L	85			82	118	
	Ethyl Benzene	20	17.1	ug/L	86			79	121	
	m/p-Xylenes	40	34.7	ug/L	87			80	121	
	o-Xylene	20	17.1	ug/L	86			78	122	
	Styrene	20	17.8	ug/L	89			78	123	
	Bromoform	20	16.9	ug/L	85			66	130	
	Isopropylbenzene	20	17.0	ug/L	85			72	131	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			71	121	
	1,3-Dichlorobenzene	20	17.0	ug/L	85			80	119	
	1,4-Dichlorobenzene	20	16.8	ug/L	84			79	118	
	1,2-Dichlorobenzene	20	17.0	ug/L	85			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2886</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047360.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0815WBS01	1,2-Dibromo-3-Chloropropane	20	16.9	ug/L	85			62	128	
	1,2,4-Trichlorobenzene	20	16.5	ug/L	83			69	130	
	1,2,3-Trichlorobenzene	20	16.7	ug/L	84			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2886	Analytical Method:	SW8260-Low
Client:	Tetra Tech NUS, Inc.	Datafile :	VX047361.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0815WBSD01	Dichlorodifluoromethane	20	17.1	ug/L	86	1		32	152	20
	Chloromethane	20	16.2	ug/L	81	1		50	139	20
	Vinyl chloride	20	16.5	ug/L	83	1		58	137	20
	Bromomethane	20	19.2	ug/L	96	6		53	141	20
	Chloroethane	20	16.3	ug/L	81	6		60	138	20
	Trichlorofluoromethane	20	16.1	ug/L	81	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	17.1	ug/L	86	0		70	136	20
	1,1-Dichloroethene	20	16.3	ug/L	81	4		71	131	20
	Acetone	100	91.2	ug/L	91	6		39	160	20
	Carbon disulfide	20	16.2	ug/L	81	0		64	133	20
	Methyl tert-butyl Ether	20	18.0	ug/L	90	5		71	124	20
	Methyl Acetate	20	18.0	ug/L	90	1		56	136	20
	Methylene Chloride	20	17.6	ug/L	88	5		74	124	20
	trans-1,2-Dichloroethene	20	16.7	ug/L	84	0		75	124	20
	1,1-Dichloroethane	20	17.3	ug/L	86	2		77	125	20
	Cyclohexane	20	16.6	ug/L	83	1		71	130	20
	2-Butanone	100	92.2	ug/L	92	1		56	143	20
	Carbon Tetrachloride	20	16.5	ug/L	83	1		72	136	20
	cis-1,2-Dichloroethene	20	16.9	ug/L	85	4		78	123	20
	Bromochloromethane	20	21.4	ug/L	107	5		78	123	20
	Chloroform	20	17.8	ug/L	89	3		79	124	20
	1,1,1-Trichloroethane	20	17.2	ug/L	86	2		74	131	20
	Methylcyclohexane	20	16.7	ug/L	84	1		72	132	20
	Benzene	20	17.3	ug/L	86	0		79	120	20
	1,2-Dichloroethane	20	17.8	ug/L	89	1		73	128	20
	Trichloroethene	20	16.6	ug/L	83	4		79	123	20
	1,2-Dichloropropane	20	17.0	ug/L	85	1		78	122	20
	Bromodichloromethane	20	17.6	ug/L	88	2		79	125	20
	4-Methyl-2-Pentanone	100	93.8	ug/L	94	2		67	130	20
	Toluene	20	17.6	ug/L	88	0		80	121	20
	t-1,3-Dichloropropene	20	17.8	ug/L	89	5		73	127	20
	cis-1,3-Dichloropropene	20	17.7	ug/L	89	3		75	124	20
	1,1,2-Trichloroethane	20	18.2	ug/L	91	2		80	119	20
	2-Hexanone	100	94.0	ug/L	94	2		57	139	20
	Dibromochloromethane	20	17.4	ug/L	87	2		74	126	20
	1,2-Dibromoethane	20	17.8	ug/L	89	0		77	121	20
	Tetrachloroethene	20	16.9	ug/L	85	0		74	129	20
	Chlorobenzene	20	17.1	ug/L	86	1		82	118	20
	Ethyl Benzene	20	17.0	ug/L	85	1		79	121	20
	m/p-Xylenes	40	34.5	ug/L	86	1		80	121	20
	o-Xylene	20	17.2	ug/L	86	0		78	122	20
	Styrene	20	17.6	ug/L	88	1		78	123	20
	Bromoform	20	17.6	ug/L	88	3		66	130	20
	Isopropylbenzene	20	16.8	ug/L	84	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.1	ug/L	91	3		71	121	20
	1,3-Dichlorobenzene	20	17.1	ug/L	86	1		80	119	20
	1,4-Dichlorobenzene	20	17.1	ug/L	86	2		79	118	20
	1,2-Dichlorobenzene	20	17.4	ug/L	87	2		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2886</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047361.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0815WBSD01	1,2-Dibromo-3-Chloropropane	20	17.5	ug/L	88	3		62	128	20
	1,2,4-Trichlorobenzene	20	17.2	ug/L	86	4		69	130	20
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86	2		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2886	Analytical Method:	SW8260-Low
Client:	Tetra Tech NUS, Inc.	Datafile :	VX047374.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0818WBS01	Dichlorodifluoromethane	20	20.5	ug/L	103			32	152	
	Chloromethane	20	22.6	ug/L	113			50	139	
	Vinyl chloride	20	19.1	ug/L	96			58	137	
	Bromomethane	20	13.9	ug/L	70			53	141	
	Chloroethane	20	26.7	ug/L	134			60	138	
	Trichlorofluoromethane	20	19.7	ug/L	99			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102			70	136	
	1,1-Dichloroethene	20	19.9	ug/L	100			71	131	
	Acetone	100	97.8	ug/L	98			39	160	
	Carbon disulfide	20	21.1	ug/L	106			64	133	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			71	124	
	Methyl Acetate	20	20.1	ug/L	101			56	136	
	Methylene Chloride	20	19.2	ug/L	96			74	124	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			75	124	
	1,1-Dichloroethane	20	19.4	ug/L	97			77	125	
	Cyclohexane	20	19.9	ug/L	100			71	130	
	2-Butanone	100	99.2	ug/L	99			56	143	
	Carbon Tetrachloride	20	20.4	ug/L	102			72	136	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			78	123	
	Bromochloromethane	20	19.3	ug/L	97			78	123	
	Chloroform	20	20.0	ug/L	100			79	124	
	1,1,1-Trichloroethane	20	19.7	ug/L	99			74	131	
	Methylcyclohexane	20	20.0	ug/L	100			72	132	
	Benzene	20	20.1	ug/L	101			79	120	
	1,2-Dichloroethane	20	20.6	ug/L	103			73	128	
	Trichloroethene	20	19.8	ug/L	99			79	123	
	1,2-Dichloropropane	20	19.8	ug/L	99			78	122	
	Bromodichloromethane	20	20.3	ug/L	102			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	20.5	ug/L	103			80	121	
	t-1,3-Dichloropropene	20	19.7	ug/L	99			73	127	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	20.4	ug/L	102			74	126	
	1,2-Dibromoethane	20	19.9	ug/L	100			77	121	
	Tetrachloroethene	20	20.0	ug/L	100			74	129	
	Chlorobenzene	20	19.8	ug/L	99			82	118	
	Ethyl Benzene	20	19.9	ug/L	100			79	121	
	m/p-Xylenes	40	40.7	ug/L	102			80	121	
	o-Xylene	20	20.0	ug/L	100			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	20.4	ug/L	102			66	130	
	Isopropylbenzene	20	19.8	ug/L	99			72	131	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			71	121	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			79	118	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2886</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047374.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0818WBS01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94			62	128	
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95			69	130	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			69	129	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0815WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q2886

Lab File ID: VX047358.D

Lab Sample ID: VX0815WBL01

Date Analyzed: 08/15/2025

Time Analyzed: 13:39

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
VX0815WBS01	VX0815WBS01	VX047360.D	08/15/2025
VX0815WBSD01	VX0815WBSD01	VX047361.D	08/15/2025
BP-TT182D-TB-20250814	Q2886-01	VX047366.D	08/15/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0818WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q2886

Lab File ID: VX047373.D

Lab Sample ID: VX0818WBL01

Date Analyzed: 08/18/2025

Time Analyzed: 11:50

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
VX0818WBS01	VX0818WBS01	VX047374.D	08/18/2025
BP-TT182D-GW-20250814	Q2886-02	VX047376.D	08/18/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q2886

Lab File ID: VX047347.D

BFB Injection Date: 08/15/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:28

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	19.3
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 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
VSTDIC005	VSTDIC005	VX047349.D	08/15/2025	09:40
VSTDIC020	VSTDIC020	VX047350.D	08/15/2025	10:01
VSTDICCC050	VSTDICCC050	VX047351.D	08/15/2025	10:22
VSTDIC100	VSTDIC100	VX047352.D	08/15/2025	10:43
VSTDIC150	VSTDIC150	VX047353.D	08/15/2025	11:05
VSTDIC001	VSTDIC001	VX047356.D	08/15/2025	12:30
VX0815WBL01	VX0815WBL01	VX047358.D	08/15/2025	13:39
VX0815WBS01	VX0815WBS01	VX047360.D	08/15/2025	14:21
VX0815WBSD01	VX0815WBSD01	VX047361.D	08/15/2025	14:49
BP-TT182D-TB-20250814	Q2886-01	VX047366.D	08/15/2025	16:36
VSTDCCC050EC	VSTDCCC050	VX047369.D	08/15/2025	17:41

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX047370.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: TETR06
SDG NO.: Q2886
BFB Injection Date: 08/18/2025
BFB Injection Time: 09:32
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	70.6 (96.2) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 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	VX047371.D	08/18/2025	10:00
VX0818WBL01	VX0818WBL01	VX047373.D	08/18/2025	11:50
VX0818WBS01	VX0818WBS01	VX047374.D	08/18/2025	12:17
BP-TT182D-GW-20250814	Q2886-02	VX047376.D	08/18/2025	13:06
VSTDCCC050EC	VSTDCCC050	VX047398.D	08/18/2025	20:57

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q2886
Lab File ID: VX047351.D Date Analyzed: 08/15/2025
Instrument ID: MSVOA_X Time Analyzed: 10:22
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	238847	5.57	405572	6.77	363128	10.06
UPPER LIMIT	477694	6.068	811144	7.269	726256	10.555
LOWER LIMIT	119424	5.068	202786	6.269	181564	9.555
EPA SAMPLE NO.						
BP-TT182D-TB-20250814	322553	5.57	632578	6.77	621493	10.06
VX0815WBL01	213035	5.56	413649	6.76	396719	10.06
VX0815WBS01	251230	5.56	424536	6.77	385995	10.06
VX0815WBSD01	232894	5.56	402024	6.76	366622	10.06

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.: Q2886
 Lab File ID: VX047351.D Date Analyzed: 08/15/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:22
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	177366	12.018				
UPPER LIMIT	354732	12.518				
LOWER LIMIT	88683	11.518				
EPA SAMPLE NO.						
BP-TT182D-TB-20250814	310393	12.02				
VX0815WBL01	194794	12.02				
VX0815WBS01	195233	12.02				
VX0815WBSD01	184649	12.02				

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.: Q2886
Lab File ID: VX047371.D Date Analyzed: 08/18/2025
Instrument ID: MSVOA_X Time Analyzed: 10:00
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	269622	5.56	444434	6.76	389564	10.06
UPPER LIMIT	539244	6.056	888868	7.263	779128	10.555
LOWER LIMIT	134811	5.056	222217	6.263	194782	9.555
EPA SAMPLE NO.						
BP-TT182D-GW-20250814	318653	5.57	625670	6.77	611655	10.06
VX0818WBL01	325331	5.56	630884	6.76	620229	10.06
VX0818WBS01	256302	5.56	426348	6.77	389002	10.06

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.: Q2886
Lab File ID: VX047371.D Date Analyzed: 08/18/2025
Instrument ID: MSVOA_X Time Analyzed: 10:00
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	190181	12.018				
UPPER LIMIT	380362	12.518				
LOWER LIMIT	95090.5	11.518				
EPA SAMPLE NO.						
BP-TT182D-GW-20250814	302397	12.02				
VX0818WBL01	309313	12.02				
VX0818WBS01	197596	12.02				

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.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0815WBL01		SDG No.:	Q2886
Lab Sample ID:	VX0815WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047358.D	1	08/15/25 13:39	VX081525

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0815WBL01		SDG No.:	Q2886
Lab Sample ID:	VX0815WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047358.D	1	08/15/25 13:39	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.2		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	213000	5.562				
540-36-3	1,4-Difluorobenzene	414000	6.763				
3114-55-4	Chlorobenzene-d5	397000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0815WBL01		SDG No.:	Q2886
Lab Sample ID:	VX0815WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047358.D	1	08/15/25 13:39	VX081525

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0818WBL01		SDG No.:	Q2886
Lab Sample ID:	VX0818WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047373.D	1	08/18/25 11:50	VX081825

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0818WBL01		SDG No.:	Q2886
Lab Sample ID:	VX0818WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047373.D	1	08/18/25 11:50	VX081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.1		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	325000	5.562				
540-36-3	1,4-Difluorobenzene	631000	6.763				
3114-55-4	Chlorobenzene-d5	620000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	309000	12.018				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0818WBL01		SDG No.:	Q2886
Lab Sample ID:	VX0818WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047373.D	1	08/18/25 11:50	VX081825

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0815WBS01		SDG No.:	Q2886
Lab Sample ID:	VX0815WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047360.D	1	08/15/25 14:21	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	97.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	17.7		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	16.7		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.8		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	16.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	16.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	93.4		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	16.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	17.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	17.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	17.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.0		0.68	2.50	5.00	ug/L
108-88-3	Toluene	17.6		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0815WBS01		SDG No.:	Q2886
Lab Sample ID:	VX0815WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047360.D	1	08/15/25 14:21	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	16.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	92.3		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	17.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	34.7		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	17.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	17.8		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	16.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.0		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.5		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	251000	5.562				
540-36-3	1,4-Difluorobenzene	425000	6.769				
3114-55-4	Chlorobenzene-d5	386000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018				

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	
Client Sample ID:	VX0815WBS01			SDG No.:	Q2886
Lab Sample ID:	VX0815WBS01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047360.D	1	08/15/25 14:21	VX081525

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0818WBS01		SDG No.:	Q2886
Lab Sample ID:	VX0818WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047374.D	1	08/18/25 12:17	VX081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.5		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	22.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	13.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	26.7		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	97.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	21.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.2		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.9		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	99.2		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.0		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.1		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.3		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.5		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0818WBS01		SDG No.:	Q2886
Lab Sample ID:	VX0818WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047374.D	1	08/18/25 12:17	VX081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.9		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.7		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	256000	5.562				
540-36-3	1,4-Difluorobenzene	426000	6.769				
3114-55-4	Chlorobenzene-d5	389000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	198000	12.018				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0818WBS01		SDG No.:	Q2886
Lab Sample ID:	VX0818WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047374.D	1	08/18/25 12:17	VX081825

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0815WBSD01		SDG No.:	Q2886
Lab Sample ID:	VX0815WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047361.D	1	08/15/25 14:49	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.2		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.3		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	91.2		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	18.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	17.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	16.6		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	92.2		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	16.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.4		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	17.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.2		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	17.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	16.6		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.0		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	17.6		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.8		0.68	2.50	5.00	ug/L
108-88-3	Toluene	17.6		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0815WBSD01		SDG No.:	Q2886
Lab Sample ID:	VX0815WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047361.D	1	08/15/25 14:49	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.7		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	94.0		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	17.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.1		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.0		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	34.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	17.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	17.6		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	17.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	16.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.1		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.1		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.5		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	233000	5.562				
540-36-3	1,4-Difluorobenzene	402000	6.763				
3114-55-4	Chlorobenzene-d5	367000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	185000	12.018				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0815WBSD01		SDG No.:	Q2886
Lab Sample ID:	VX0815WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047361.D	1	08/15/25 14:49	VX081525

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

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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG No.: Q2886

Instrument ID: MSVOA_X

Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N

Calibration Time(s): 09:40 12:30

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

LAB FILE ID:		RRF005 = VX047349.D		RRF020 = VX047350.D		RRF050 = VX047351.D		RRF100 = VX047352.D		RRF150 = VX047353.D		RRF001 = VX047356.D	
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD					
Dichlorodifluoromethane	0.558	0.638	0.731	0.671	0.680	0.546	0.637	11.4					
Chloromethane	0.539	0.568	0.624	0.567	0.594	0.549	0.573	5.4					
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2					
Bromomethane	0.251	0.296	0.336	0.309	0.261		0.291	11.9					
Chloroethane	0.392	0.440	0.463	0.410	0.422	0.515	0.440	10					
Trichlorofluoromethane	1.012	1.121	1.188	1.060	1.069	0.938	1.065	8.1					
1,1,2-Trichlorotrifluoroethane	0.589	0.664	0.697	0.624	0.637	0.494	0.618	11.4					
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6					
Acetone	0.259	0.310	0.280	0.240	0.240	0.249	0.263	10.5					
Carbon Disulfide	1.747	1.916	1.993	1.819	1.854	2.069	1.900	6.2					
Methyl tert-butyl Ether	1.768	2.019	2.175	1.962	2.014	1.554	1.915	11.5					
Methyl Acetate	0.620	0.661	0.769	0.689	0.728	0.621	0.682	8.7					
Methylene Chloride	0.645	0.732	0.757	0.669	0.684	0.691	0.697	5.9					
trans-1,2-Dichloroethene	0.638	0.705	0.725	0.655	0.664	0.621	0.668	6					
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5					
Cyclohexane	1.024	1.202	1.210	1.082	1.113		1.126	7					
2-Butanone	0.328	0.378	0.389	0.342	0.343	0.287	0.344	10.6					
Carbon Tetrachloride	0.536	0.596	0.607	0.549	0.554	0.515	0.560	6.3					
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7					
Bromochloromethane	0.543	0.402	0.540	0.560	0.525	0.481	0.508	11.6					
Chloroform	1.236	1.328	1.368	1.214	1.243	1.091	1.247	7.8					
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8					
Methylcyclohexane	0.589	0.673	0.695	0.640	0.642	0.595	0.639	6.5					
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1					
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3					
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6					
1,2-Dichloropropane	0.349	0.415	0.421	0.381	0.382	0.357	0.384	7.6					
Bromodichloromethane	0.548	0.621	0.635	0.578	0.573	0.513	0.578	7.8					
4-Methyl-2-Pentanone	0.408	0.479	0.509	0.451	0.444	0.346	0.440	13					
Toluene	0.920	1.043	1.057	0.936	0.927	0.802	0.947	9.9					

* 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: Alliance Contract: TETR06
Lab Code: ACE SDG No.: Q2886
Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VX047349.D		RRF020 = VX047350.D		RRF050 = VX047351.D		
		RRF100 = VX047352.D		RRF150 = VX047353.D		RRF001 = VX047356.D		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD
t-1,3-Dichloropropene	0.444	0.537	0.584	0.541	0.550	0.371	0.505	15.9
cis-1,3-Dichloropropene	0.531	0.608	0.642	0.592	0.602	0.451	0.571	12
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
2-Hexanone	0.284	0.338	0.347	0.310	0.306	0.239	0.304	12.9
Dibromochloromethane	0.412	0.461	0.464	0.426	0.420	0.382	0.428	7.3
1,2-Dibromoethane	0.358	0.397	0.409	0.365	0.361	0.336	0.371	7.2
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
Chlorobenzene	1.163	1.268	1.286	1.163	1.175	1.073	1.188	6.6
Ethyl Benzene	1.941	2.216	2.277	2.062	2.056	1.718	2.045	9.8
m/p-Xylenes	0.722	0.831	0.858	0.765	0.759	0.642	0.763	10.2
o-Xylene	0.679	0.793	0.813	0.735	0.732	0.651	0.734	8.6
Styrene	1.186	1.397	1.411	1.271	1.266	0.909	1.240	14.8
Bromoform	0.294	0.322	0.335	0.306	0.313	0.241	0.302	10.9
Isopropylbenzene	3.547	4.192	4.399	4.048	4.080	3.211	3.913	11.4
1,1,2,2-Tetrachloroethane	1.077	1.208	1.269	1.142	1.152	1.044	1.149	7.2
1,3-Dichlorobenzene	1.719	1.907	1.983	1.811	1.823	1.710	1.825	5.8
1,4-Dichlorobenzene	1.788	1.952	1.986	1.788	1.814	1.936	1.877	4.8
1,2-Dichlorobenzene	1.617	1.851	1.862	1.705	1.729	1.631	1.733	6.1
1,2-Dibromo-3-Chloropropane	0.182	0.225	0.247	0.238	0.249	0.191	0.222	13
1,2,4-Trichlorobenzene	1.030	1.168	1.234	1.191	1.204	1.144	1.161	6.2
1,2,3-Trichlorobenzene	0.919	1.109	1.174	1.132	1.160	1.075	1.095	8.5
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

* 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>Q2886</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>08/15/2025 17:41</u>
Lab File ID:	<u>VX047369.D</u>	Init. Calib. Date(s):	<u>08/15/2025 08/15/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40 12:30</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.641		0.63	50
Chloromethane	0.573	0.543	0.1	-5.24	50
Vinyl Chloride	0.720	0.694		-3.61	50
Bromomethane	0.291	0.310		6.53	50
Chloroethane	0.440	0.412		-6.36	50
Trichlorofluoromethane	1.065	1.024		-3.85	50
1,1,2-Trichlorotrifluoroethane	0.618	0.610		-1.29	50
1,1-Dichloroethene	0.630	0.615		-2.38	50
Acetone	0.263	0.242		-7.99	50
Carbon Disulfide	1.900	1.704		-10.32	50
Methyl tert-butyl Ether	1.915	1.883		-1.67	50
Methyl Acetate	0.682	0.718		5.28	50
Methylene Chloride	0.697	0.659		-5.45	50
trans-1,2-Dichloroethene	0.668	0.638		-4.49	50
1,1-Dichloroethane	1.222	1.185	0.1	-3.03	50
Cyclohexane	1.126	1.063		-5.59	50
2-Butanone	0.344	0.354		2.91	50
Carbon Tetrachloride	0.560	0.525		-6.25	50
cis-1,2-Dichloroethene	0.778	0.746		-4.11	50
Bromochloromethane	0.508	0.507		-0.2	50
Chloroform	1.247	1.208		-3.13	50
1,1,1-Trichloroethane	1.073	1.026		-4.38	50
Methylcyclohexane	0.639	0.599		-6.26	50
Benzene	1.533	1.466		-4.37	50
1,2-Dichloroethane	0.543	0.514		-5.34	50
Trichloroethene	0.393	0.373		-5.09	50
1,2-Dichloropropane	0.384	0.366		-4.69	50
Bromodichloromethane	0.578	0.550		-4.84	50
4-Methyl-2-Pentanone	0.440	0.465		5.68	50
Toluene	0.947	0.909		-4.01	50
t-1,3-Dichloropropene	0.505	0.498		-1.39	50
cis-1,3-Dichloropropene	0.571	0.551		-3.5	50
1,1,2-Trichloroethane	0.360	0.348		-3.33	50
2-Hexanone	0.304	0.320		5.26	50
Dibromochloromethane	0.428	0.405		-5.37	50
1,2-Dibromoethane	0.371	0.356		-4.04	50
Tetrachloroethene	0.362	0.342		-5.53	50
Chlorobenzene	1.188	1.114	0.3	-6.23	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>Q2886</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>08/15/2025 17:41</u>
Lab File ID:	<u>VX047369.D</u>	Init. Calib. Date(s):	<u>08/15/2025 08/15/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40 12:30</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.969		-3.72	50
m/p-Xylenes	0.763	0.737		-3.41	50
o-Xylene	0.734	0.710		-3.27	50
Styrene	1.240	1.234		-0.48	50
Bromoform	0.302	0.297	0.1	-1.66	50
Isopropylbenzene	3.913	3.768		-3.71	50
1,1,2,2-Tetrachloroethane	1.149	1.127	0.3	-1.91	50
1,3-Dichlorobenzene	1.825	1.706		-6.52	50
1,4-Dichlorobenzene	1.877	1.706		-9.11	50
1,2-Dichlorobenzene	1.733	1.609		-7.16	50
1,2-Dibromo-3-Chloropropane	0.222	0.225		1.35	50
1,2,4-Trichlorobenzene	1.161	1.074		-7.49	50
1,2,3-Trichlorobenzene	1.095	1.029		-6.03	50
1,2-Dichloroethane-d4	0.700	0.693		-1	50
Dibromofluoromethane	0.325	0.320		-1.54	50
Toluene-d8	1.160	1.129		-2.67	50
4-Bromofluorobenzene	0.428	0.427		-0.23	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>Q2886</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>08/18/2025</u> <u>10:00</u>
Lab File ID:	<u>VX047371.D</u>	Init. Calib. Date(s):	<u>08/15/2025</u> <u>08/15/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40</u> <u>12:30</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.681		6.91	20
Chloromethane	0.573	0.638	0.1	11.34	20
Vinyl Chloride	0.720	0.719		-0.14	20
Bromomethane	0.291	0.248		-14.78	20
Chloroethane	0.440	0.451		2.5	20
Trichlorofluoromethane	1.065	1.060		-0.47	20
1,1,2-Trichlorotrifluoroethane	0.618	0.631		2.1	20
1,1-Dichloroethene	0.630	0.616		-2.22	20
Acetone	0.263	0.254		-3.42	20
Carbon Disulfide	1.900	1.913		0.68	20
Methyl tert-butyl Ether	1.915	1.840		-3.92	20
Methyl Acetate	0.682	0.672		-1.47	20
Methylene Chloride	0.697	0.657		-5.74	20
trans-1,2-Dichloroethene	0.668	0.633		-5.24	20
1,1-Dichloroethane	1.222	1.177	0.1	-3.68	20
Cyclohexane	1.126	1.041		-7.55	20
2-Butanone	0.344	0.330		-4.07	20
Carbon Tetrachloride	0.560	0.548		-2.14	20
cis-1,2-Dichloroethene	0.778	0.726		-6.68	20
Bromochloromethane	0.508	0.536		5.51	20
Chloroform	1.247	1.170		-6.18	20
1,1,1-Trichloroethane	1.073	1.024		-4.57	20
Methylcyclohexane	0.639	0.604		-5.48	20
Benzene	1.533	1.469		-4.18	20
1,2-Dichloroethane	0.543	0.515		-5.16	20
Trichloroethene	0.393	0.366		-6.87	20
1,2-Dichloropropane	0.384	0.368		-4.17	20
Bromodichloromethane	0.578	0.557		-3.63	20
4-Methyl-2-Pentanone	0.440	0.428		-2.73	20
Toluene	0.947	0.900		-4.96	20
t-1,3-Dichloropropene	0.505	0.497		-1.58	20
cis-1,3-Dichloropropene	0.571	0.550		-3.68	20
1,1,2-Trichloroethane	0.360	0.340		-5.56	20
2-Hexanone	0.304	0.290		-4.61	20
Dibromochloromethane	0.428	0.406		-5.14	20
1,2-Dibromoethane	0.371	0.344		-7.28	20
Tetrachloroethene	0.362	0.349		-3.59	20
Chlorobenzene	1.188	1.129	0.3	-4.97	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>Q2886</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>08/18/2025</u> <u>10:00</u>
Lab File ID:	<u>VX047371.D</u>	Init. Calib. Date(s):	<u>08/15/2025</u> <u>08/15/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40</u> <u>12:30</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.968		-3.77	20
m/p-Xylenes	0.763	0.735		-3.67	20
o-Xylene	0.734	0.708		-3.54	20
Styrene	1.240	1.227		-1.05	20
Bromoform	0.302	0.297	0.1	-1.66	20
Isopropylbenzene	3.913	3.805		-2.76	20
1,1,2,2-Tetrachloroethane	1.149	1.100	0.3	-4.26	20
1,3-Dichlorobenzene	1.825	1.709		-6.36	20
1,4-Dichlorobenzene	1.877	1.719		-8.42	20
1,2-Dichlorobenzene	1.733	1.636		-5.6	20
1,2-Dibromo-3-Chloropropane	0.222	0.210		-5.41	20
1,2,4-Trichlorobenzene	1.161	1.067		-8.1	20
1,2,3-Trichlorobenzene	1.095	1.029		-6.03	20
1,2-Dichloroethane-d4	0.700	0.690		-1.43	20
Dibromofluoromethane	0.325	0.336		3.38	20
Toluene-d8	1.160	1.149		-0.95	20
4-Bromofluorobenzene	0.428	0.424		-0.94	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>TETRO6</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2886</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>08/18/2025 20:57</u>
Lab File ID:	<u>VX047398.D</u>	Init. Calib. Date(s):	<u>08/15/2025 08/15/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40 12:30</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.633		-0.63	50
Chloromethane	0.573	0.563	0.1	-1.75	50
Vinyl Chloride	0.720	0.674		-6.39	50
Bromomethane	0.291	0.176		-39.52	50
Chloroethane	0.440	0.422		-4.09	50
Trichlorofluoromethane	1.065	1.016		-4.6	50
1,1,2-Trichlorotrifluoroethane	0.618	0.604		-2.27	50
1,1-Dichloroethene	0.630	0.592		-6.03	50
Acetone	0.263	0.251		-4.56	50
Carbon Disulfide	1.900	1.780		-6.32	50
Methyl tert-butyl Ether	1.915	1.897		-0.94	50
Methyl Acetate	0.682	0.740		8.5	50
Methylene Chloride	0.697	0.659		-5.45	50
trans-1,2-Dichloroethene	0.668	0.625		-6.44	50
1,1-Dichloroethane	1.222	1.172	0.1	-4.09	50
Cyclohexane	1.126	1.065		-5.42	50
2-Butanone	0.344	0.365		6.11	50
Carbon Tetrachloride	0.560	0.527		-5.89	50
cis-1,2-Dichloroethene	0.778	0.733		-5.78	50
Bromochloromethane	0.508	0.496		-2.36	50
Chloroform	1.247	1.196		-4.09	50
1,1,1-Trichloroethane	1.073	1.028		-4.19	50
Methylcyclohexane	0.639	0.604		-5.48	50
Benzene	1.533	1.461		-4.7	50
1,2-Dichloroethane	0.543	0.517		-4.79	50
Trichloroethene	0.393	0.369		-6.11	50
1,2-Dichloropropane	0.384	0.366		-4.69	50
Bromodichloromethane	0.578	0.549		-5.02	50
4-Methyl-2-Pentanone	0.440	0.468		6.36	50
Toluene	0.947	0.907		-4.22	50
t-1,3-Dichloropropene	0.505	0.491		-2.77	50
cis-1,3-Dichloropropene	0.571	0.534		-6.48	50
1,1,2-Trichloroethane	0.360	0.345		-4.17	50
2-Hexanone	0.304	0.324		6.58	50
Dibromochloromethane	0.428	0.409		-4.44	50
1,2-Dibromoethane	0.371	0.359		-3.23	50
Tetrachloroethene	0.362	0.350		-3.32	50
Chlorobenzene	1.188	1.117	0.3	-5.98	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>Q2886</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>08/18/2025 20:57</u>
Lab File ID:	<u>VX047398.D</u>	Init. Calib. Date(s):	<u>08/15/2025 08/15/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40 12:30</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.978		-3.28	50
m/p-Xylenes	0.763	0.744		-2.49	50
o-Xylene	0.734	0.715		-2.59	50
Styrene	1.240	1.214		-2.1	50
Bromoform	0.302	0.301	0.1	-0.33	50
Isopropylbenzene	3.913	3.767		-3.73	50
1,1,2,2-Tetrachloroethane	1.149	1.119	0.3	-2.61	50
1,3-Dichlorobenzene	1.825	1.690		-7.4	50
1,4-Dichlorobenzene	1.877	1.698		-9.54	50
1,2-Dichlorobenzene	1.733	1.602		-7.56	50
1,2-Dibromo-3-Chloropropane	0.222	0.229		3.15	50
1,2,4-Trichlorobenzene	1.161	1.096		-5.6	50
1,2,3-Trichlorobenzene	1.095	1.036		-5.39	50
1,2-Dichloroethane-d4	0.700	0.708		1.14	50
Dibromofluoromethane	0.325	0.329		1.23	50
Toluene-d8	1.160	1.154		-0.52	50
4-Bromofluorobenzene	0.428	0.435		1.64	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:	Q2886	OrderDate:	8/15/2025 11:08:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2886-02	BP-TT182D-GW-2025 0814	Water	SVOC-SIMGroup1	8270-Modified	08/14/25	08/20/25	08/20/25	08/15/25



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

Hit Summary Sheet
SW-846

SDG No.: Q2886
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :				0.000					
Total Svoc :					0.00				
Total Concentration:					0.00				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	BP-TT182D-GW-20250814	SDG No.:	Q2886
Lab Sample ID:	Q2886-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037640.D	1	08/20/25 09:05	08/20/25 21:10	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	U	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		114%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1990	7.71				
1146-65-2	Naphthalene-d8	4540	10.487				
15067-26-2	Acenaphthene-d10	2260	14.345				
1517-22-2	Phenanthrene-d10	5000	17.086				
1719-03-5	Chrysene-d12	4680	21.268				
1520-96-3	Perylene-d12	4140	23.496				

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.: Q2886

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169328BL	PB169328BL	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.36	91		58	132
PB169328BS	PB169328BS	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
PB169328BSD	PB169328BSD	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.32	79		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
Q2886-02	BP-TT182D-GW-20250814	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.46	114		58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2886

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN037635.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169328BS	1,4-Dioxane	0.4	0.32	ug/L	80				70	130	

A
B
C
D
E
F
G

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2886

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN037636.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169328BSD	1,4-Dioxane	0.4	0.31	ug/L	78	3			70	130		20

A
B
C
D
E
F
G

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169328BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q2886

Lab File ID: BN037634.D

Lab Sample ID: PB169328BL

Instrument ID: BNA_N

Date Extracted: 08/20/2025

Matrix: (soil/water) Water

Date Analyzed: 08/20/2025

Level: (low/med) LOW

Time Analyzed: 17:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169328BS	PB169328BS	BN037635.D	08/20/2025
PB169328BSD	PB169328BSD	BN037636.D	08/20/2025
BP-TT182D-GW-20250814	Q2886-02	BN037640.D	08/20/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037576.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q2886
DFTPP Injection Date: 08/12/2025
DFTPP Injection Time: 15:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (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	7.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	87.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (19.2) 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	BN037578.D	08/12/2025	16:26
SSTDICC0.2	SSTDICC0.2	BN037579.D	08/12/2025	17:03
SSTDICCC0.4	SSTDICCC0.4	BN037580.D	08/12/2025	17:39
SSTDICC0.8	SSTDICC0.8	BN037581.D	08/12/2025	18:16
SSTDICC1.6	SSTDICC1.6	BN037582.D	08/12/2025	18:52
SSTDICC3.2	SSTDICC3.2	BN037583.D	08/12/2025	19:29
SSTDICC5.0	SSTDICC5.0	BN037584.D	08/12/2025	20:05

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037632.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q2886
DFTPP Injection Date: 08/20/2025
DFTPP Injection Time: 16:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (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	6.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	81.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16 (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	BN037633.D	08/20/2025	16:57
PB169328BL	PB169328BL	BN037634.D	08/20/2025	17:33
PB169328BS	PB169328BS	BN037635.D	08/20/2025	18:10
PB169328BSD	PB169328BSD	BN037636.D	08/20/2025	18:46
BP-TT182D-GW-20250814	Q2886-02	BN037640.D	08/20/2025	21:10
SSTDCCC0.4EC	SSTDCCC0.4	BN037641.D	08/20/2025	21:47

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2886

Client ID : SSTDCCC0.4

Date Analyzed: 08/20/2025

Lab File ID: BN037633.D

Time Analyzed: 16:57

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	2754	7.71	6418	10.49	3102	14.35
UPPER LIMIT	5508	8.21	12836	10.987	6204	14.845
LOWER LIMIT	1377	7.21	3209	9.987	1551	13.845
EPA SAMPLE NO.						
01 PB169328BL	2138	7.71	4908	10.49	2089	14.35
02 PB169328BS	2188	7.71	5030	10.49	2230	14.35
03 PB169328BSD	2346	7.71	5382	10.49	2393	14.35
04 BP-TT182D-GW-20250814	1993	7.71	4535	10.49	2256	14.35

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.: Q2886

Client ID: SSTDCCC0.4

Date Analyzed: 08/20/2025

Lab File ID: BN037633.D

Time Analyzed: 16:57

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	6405	17.086	5848	21.268	4933	23.502
UPPER LIMIT	12810	17.586	11696	21.768	9866	24.002
LOWER LIMIT	3202.5	16.586	2924	20.768	2466.5	23.002
EPA SAMPLE NO.						
01 PB169328BL	4205	17.09	3648	21.27	3405	23.51
02 PB169328BS	4276	17.09	3523	21.27	3228	23.50
03 PB169328BSD	4365	17.09	3473	21.27	3177	23.50
04 BP-TT182D-GW-20250814	4998	17.09	4680	21.27	4140	23.50

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:	PB169328BL		SDG No.:	Q2886	
Lab Sample ID:	PB169328BL		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037634.D	1	08/20/25 09:05	08/20/25 17:33	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		91%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2140	7.71				
1146-65-2	Naphthalene-d8	4910	10.488				
15067-26-2	Acenaphthene-d10	2090	14.345				
1517-22-2	Phenanthrene-d10	4210	17.087				
1719-03-5	Chrysene-d12	3650	21.268				
1520-96-3	Perylene-d12	3410	23.505				

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:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB169328BS		SDG No.:	Q2886	
Lab Sample ID:	PB169328BS		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037635.D	1	08/20/25 09:05	08/20/25 18:10	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.32		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		97%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2190	7.71				
1146-65-2	Naphthalene-d8	5030	10.488				
15067-26-2	Acenaphthene-d10	2230	14.345				
1517-22-2	Phenanthrene-d10	4280	17.087				
1719-03-5	Chrysene-d12	3520	21.268				
1520-96-3	Perylene-d12	3230	23.499				

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:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB169328BSD		SDG No.:	Q2886	
Lab Sample ID:	PB169328BSD		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037636.D	1	08/20/25 09:05	08/20/25 18:46	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		79%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2350	7.71				
1146-65-2	Naphthalene-d8	5380	10.487				
15067-26-2	Acenaphthene-d10	2390	14.345				
1517-22-2	Phenanthrene-d10	4370	17.086				
1719-03-5	Chrysene-d12	3470	21.268				
1520-96-3	Perylene-d12	3180	23.501				

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-BN081225.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Aug 13 05:00:58 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037578.D 0.2 =BN037579.D 0.4 =BN037580.D 0.8 =BN037581.D 1.6 =BN037582.D 3.2 =BN037583.D 5 =BN037584.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	0.395	0.368	0.397	0.375	0.348	0.383		6.08
3)	n-Nitrosodimet...	0.471	0.488	0.471	0.493	0.503	0.508	0.489		3.19
4) S	2-Fluorophenol	0.922	0.945	0.888	0.823	0.886	0.906	0.977	0.907	5.41
5) S	Phenol-d6	1.045	1.051	1.044	0.983	1.198	1.117	1.201	1.091	7.66
6)	bis(2-Chloroet...	0.935	0.987	0.976	0.936	1.020	1.008	1.022	0.983	3.75
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.270	0.257	0.262	0.264	0.292	0.301	0.326	0.282	9.03
9)	Naphthalene	1.044	1.050	1.037	1.012	1.089	1.096	1.127	1.065	3.78
10)	Hexachlorobuta...	0.252	0.258	0.262	0.253	0.267	0.264	0.265	0.260	2.22
11) SURR2	Methylnaphth...	0.488	0.492	0.508	0.493	0.543	0.578	0.705	0.544	14.39
12)	2-Methylnaphth...	0.589	0.631	0.635	0.629	0.701	0.731	0.760	0.668	9.39
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.139	0.149	0.156	0.160	0.185	0.203	0.234	0.175	19.39
15) S	2-Fluorobiphenyl	2.226	2.243	2.300	2.251	2.341	2.391	2.440	2.313	3.50
16)	Acenaphthylene	1.740	1.760	1.710	1.653	1.850	1.858	1.980	1.793	6.15
17)	Acenaphthene	1.144	1.150	1.172	1.154	1.283	1.286	1.348	1.220	6.86
18)	Fluorene	1.466	1.510	1.524	1.521	1.686	1.693	1.770	1.596	7.38
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.042	0.046	0.047	0.061	0.070		0.053		22.37
21)	4-Bromophenyl-...	0.226	0.236	0.234	0.237	0.265	0.271	0.292	0.251	9.77
22)	Hexachlorobenzene	0.360	0.360	0.356	0.332	0.364	0.354	0.370	0.356	3.37
23)	Atrazine	0.127	0.126	0.130	0.134	0.160	0.176		0.142	14.76
24)	Pentachlorophenol		0.108	0.113	0.113	0.139	0.152		0.125	15.36
25)	Phenanthrene	1.146	1.162	1.170	1.138	1.281	1.269	1.347	1.216	6.72
26)	Anthracene	0.950	0.985	0.995	0.988	1.145	1.186	1.286	1.077	11.93
27) SURR	Fluoranthene-d10	0.932	0.966	0.954	0.935	1.050	1.110	1.419	1.052	16.61
28)	Fluoranthene	1.241	1.264	1.299	1.291	1.503	1.533	1.648	1.397	11.53
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.539	1.486	1.464	1.403	1.502	1.520	1.552	1.495	3.38
31) S	Terphenyl-d14	0.814	0.801	0.796	0.763	0.833	0.853	0.901	0.823	5.45
32)	Benzo(a)anthra...	1.266	1.275	1.263	1.253	1.351	1.458	1.487	1.336	7.40
33)	Chrysene	1.547	1.515	1.433	1.379	1.511	1.489	1.551	1.489	4.21
34)	Bis(2-ethylhex...		0.518	0.522	0.483	0.522	0.593	0.671	0.551	12.47
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN081225.M

36)	Indeno(1,2,3-c...	1.446	1.462	1.612	1.568	1.816	1.883	2.011	1.686	13.01
37)	Benzo(b)fluora...	1.351	1.375	1.338	1.432	1.615	1.674	1.825	1.516	12.52
38)	Benzo(k)fluora...	1.597	1.580	1.651	1.628	1.821	1.797	1.898	1.710	7.36
39) C	Benzo(a)pyrene	1.146	1.136	1.149	1.157	1.322	1.382	1.508	1.257	11.77
40)	Dibenzo(a,h)an...	1.023	1.118	1.222	1.215	1.439	1.516	1.621	1.308	16.85
41)	Benzo(g,h,i)pe...	1.207	1.274	1.262	1.261	1.467	1.532	1.643	1.378	12.17

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06
 Lab Code: ACE SDG No.: Q2886
 Instrument ID: BNA_N Calibration Date/Time: 08/20/2025 16:57
 Lab File ID: BN037633.D Init. Calib. Date(s): 08/12/2025 08/12/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.500		-8.1	20.0
Fluoranthene-d10	1.052	0.958		-8.9	20.0
2-Fluorophenol	0.907	0.835		-7.9	20.0
Phenol-d6	1.091	1.002		-8.2	20.0
Nitrobenzene-d5	0.282	0.274		-2.8	20.0
2-Fluorobiphenyl	2.313	2.325		0.5	20.0
2,4,6-Tribromophenol	0.175	0.180		2.9	20.0
Terphenyl-d14	0.823	0.755		-8.3	20.0
1,4-Dioxane	0.383	0.377		-1.6	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.: Q2886
 Instrument ID: BNA_N Calibration Date/Time: 08/20/2025 21:47
 Lab File ID: BN037641.D Init. Calib. Date(s): 08/12/2025 08/12/2025
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 16:26 20:05
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.462		-15.1	50.0
Fluoranthene-d10	1.052	0.964		-8.4	50.0
2-Fluorophenol	0.907	1.118		23.3	50.0
Phenol-d6	1.091	2.134		95.6	50.0
Nitrobenzene-d5	0.282	0.380		34.8	50.0
2-Fluorobiphenyl	2.313	2.315		0.1	50.0
2,4,6-Tribromophenol	0.175	0.178		1.7	50.0
Terphenyl-d14	0.823	0.809		-1.7	50.0
1,4-Dioxane	0.383	0.350		-8.6	50.0

All other compounds must meet a minimum RRF of 0.010.



SHIPPING DOCUMENTS

CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: Q 2886						
				COC Number:						
CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION						
COMPANY: Tetra Tech		PROJECT NAME: NWIRP Bethpage		BILL TO: SEE CONTRACT PO#						
ADDRESS: 4433 Corporation Lane Suite 300		PROJECT #: 112G08005-WE13 LOCATION: TT182D		ADDRESS:						
CITY: Virginia Beach STATE: VA ZIP: 23462		PROJECT MANAGER: Ernie Wu		CITY: STATE: ZIP:						
ATTENTION: Ernie Wu		E-MAIL: ernie.wu@tetrattech.com		ATTENTION: PHONE:						
PHONE: 757-466-4901 FAX: 757-461-4148		PHONE: 757-466-4901 FAX: 757-461-4148								
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS						
FAX: _____ 10 _____ DAYS* HARD COPY: _____ 10 _____ DAYS* EDD _____ 10 _____ DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD Format _____		VOC(SW846-3260E) 1,4 Dioxane (8270 SIM)						
				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> </table>		1	2	3	4	5
1	2	3	4	5	6	7	8	9		
				PRESERVATIVES						
				COMMENTS						
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP GRAB	SAMPLE COLLECTION DATE TIME	# of Bottles					
1.	BP-TT182D-TB-20250814	QA	X	8/14/25 9:00	2					
2.	BP-TT182D-GW-20250814	AQ	X	8/14/25 13:20	4					
3.										
4.										
5.										
6.										
7.										
8.										
9.										
10.										
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY										
RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp <u>21°C</u> MeOH extraction requires an additional 4oz. Jar for percent solid Comments: Standard TAT q Ice in Cooler?: <u>y</u>							
1. <i>[Signature]</i>	8/14/25 1500	1. <i>[Signature]</i>								
RELINQUISHED BY	DATE/TIME	RECEIVED BY								
2. <i>FedEx</i>	8/15/25 1045	2. <i>[Signature]</i>								
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY								
3.		3.								
			SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight		Shipment Complete ☐ YES ☐ NO					
WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY										

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2886	TETR06	Order Date : 8/15/2025 11:08:00 AM	Project Mgr :
Client Name : Tetra Tech NUS, Inc.		Project Name : NWIRP Bethpage 112G080	Report Type : Level 4
Client Contact : Ernie Wu		Receive DateTime : 8/15/2025 10:45:00 AM	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
Q2886-01	BP-TT182D-TB- 2025814 20250814	Water	08/14/2025	09:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2886-02	BP-TT182D-GW- 2025814 20250814	Water	08/14/2025	13:20					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By :

Date / Time : 8/15/25 1200

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room