

ANALYTICAL RESULTS SUMMARY

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 : Q3413

ATTENTION : Ernie Wu



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3413

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q3413-01
Q3413-02

Client Sample Number

BP-VPB-184-GW-980-982
BP-VPB-184-TB-20251017

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

Signature : _____

Date: 10/29/2025

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 # Q3413

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 10/20/2025.

1 Water sample was received on 10/20/2025.

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 performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

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

The Tuning criteria met requirements.

E. Additional Comments:

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



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

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

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

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 #: Q3413

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 JODHANIL

Date: 10/29/2025

LAB CHRONICLE

OrderID:	Q3413	OrderDate:	10/21/2025 10:51:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3413-01	BP-VPB-184-GW-980-982	SOIL			10/17/25			10/20/25
			VOC-TCLVOA-10	8260D			10/24/25	
Q3413-02	BP-VPB-184-TB-20251017	Water			10/17/25			10/20/25
			VOC-TCLVOA-10	8260-Low			10/21/25	

Hit Summary Sheet
SW-846

SDG No.: Q3413
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
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Client ID:

0

Total Voc :

Total Concentration:

A

B

C

D

E

F

G



SAMPLE DATA

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-GW-980-982
Lab Sample ID: Q3413-01
Analytical Method: 8260D
Sample Wt/Vol: 5.21 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/20/25
SDG No.: Q3413
Matrix: SOIL
% Solid: 7.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	51.9	U	1	14.8	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425
74-87-3	Chloromethane	32.4	U	1	14.8	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
75-01-4	Vinyl Chloride	32.4	U	1	10.2	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
74-83-9	Bromomethane	51.9	U	1	13.9	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425
75-00-3	Chloroethane	32.4	U	1	16.3	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
75-69-4	Trichlorofluoromethane	51.9	U	1	15.7	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	32.4	U	1	13.7	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
75-35-4	1,1-Dichloroethene	32.4	U	1	13.0	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
67-64-1	Acetone	260	U	1	61.5	260	320	ug/Kg	10/24/25 11:21	VY102425
75-15-0	Carbon Disulfide	51.9	U	1	13.7	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425
1634-04-4	Methyl tert-butyl Ether	32.4	U	1	9.50	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
79-20-9	Methyl Acetate	51.9	U	1	20.0	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425
75-09-2	Methylene Chloride	100	U	1	45.8	100	130	ug/Kg	10/24/25 11:21	VY102425
156-60-5	trans-1,2-Dichloroethene	32.4	U	1	11.2	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
75-34-3	1,1-Dichloroethane	32.4	U	1	10.4	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
110-82-7	Cyclohexane	32.4	U	1	10.2	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
78-93-3	2-Butanone	260	U	1	84.8	260	320	ug/Kg	10/24/25 11:21	VY102425
56-23-5	Carbon Tetrachloride	32.4	U	1	12.6	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
156-59-2	cis-1,2-Dichloroethene	32.4	U	1	9.70	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
74-97-5	Bromochloromethane	51.9	U	1	14.9	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425
67-66-3	Chloroform	51.9	U	1	10.9	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425
71-55-6	1,1,1-Trichloroethane	32.4	U	1	12.1	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
108-87-2	Methylcyclohexane	32.4	U	1	11.8	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
71-43-2	Benzene	32.4	U	1	10.2	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
107-06-2	1,2-Dichloroethane	32.4	U	1	10.2	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
79-01-6	Trichloroethene	32.4	U	1	10.5	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
78-87-5	1,2-Dichloropropane	32.4	U	1	11.8	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
75-27-4	Bromodichloromethane	32.4	U	1	10.1	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
108-10-1	4-Methyl-2-Pentanone	160	U	1	46.4	160	320	ug/Kg	10/24/25 11:21	VY102425
108-88-3	Toluene	32.4	U	1	10.1	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
10061-02-6	t-1,3-Dichloropropene	32.4	U	1	8.40	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
10061-01-5	cis-1,3-Dichloropropene	32.4	U	1	8.00	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
79-00-5	1,1,2-Trichloroethane	32.4	U	1	11.9	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
591-78-6	2-Hexanone	160	U	1	47.9	160	320	ug/Kg	10/24/25 11:21	VY102425
124-48-1	Dibromochloromethane	32.4	U	1	11.3	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
106-93-4	1,2-Dibromoethane	32.4	U	1	11.4	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
127-18-4	Tetrachloroethene	32.4	U	1	13.6	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
108-90-7	Chlorobenzene	32.4	U	1	11.8	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
100-41-4	Ethyl Benzene	32.4	U	1	8.70	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
179601-23-1	m/p-Xylenes	64.8	U	1	16.1	64.8	130	ug/Kg	10/24/25 11:21	VY102425
95-47-6	o-Xylene	32.4	U	1	10.6	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
100-42-5	Styrene	32.4	U	1	9.20	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
75-25-2	Bromoform	32.4	U	1	11.2	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/17/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/20/25
Client Sample ID:	BP-VPB-184-GW-980-982	SDG No.:	Q3413
Lab Sample ID:	Q3413-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	7.4
Sample Wt/Vol:	5.21 g	Test:	VOC-TCLVOA-10
	Level : LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	32.4	U	1	10.1	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	32.4	U	1	15.7	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
541-73-1	1,3-Dichlorobenzene	32.4	U	1	22.2	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
106-46-7	1,4-Dichlorobenzene	32.4	U	1	20.2	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
95-50-1	1,2-Dichlorobenzene	32.4	U	1	18.8	32.4	64.8	ug/Kg	10/24/25 11:21	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	51.9	U	1	23.9	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425
120-82-1	1,2,4-Trichlorobenzene	51.9	U	1	38.5	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425
87-61-6	1,2,3-Trichlorobenzene	51.9	U	1	41.2	51.9	64.8	ug/Kg	10/24/25 11:21	VY102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	54.4			71 - 136	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0			78 - 119	104%	SPK: 50
2037-26-5	Toluene-d8	48.5			85 - 116	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0			79 - 119	92%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	813000
540-36-3	1,4-Difluorobenzene	1310000
3114-55-4	Chlorobenzene-d5	1130000
3855-82-1	1,4-Dichlorobenzene-d4	487000

TENTATIVE IDENTIFIED COMPOUNDS

75-43-4	Dichlorofluoromethane	N.D
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-TB-20251017
Lab Sample ID: Q3413-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/20/25
SDG No.: Q3413
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 12:17	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 12:17	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 12:17	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 12:17	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 12:17	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 12:17	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 12:17	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 12:17	VX102125
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/21/25 12:17	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 12:17	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 12:17	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 12:17	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 12:17	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 12:17	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 12:17	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 12:17	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 12:17	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 12:17	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 12:17	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 12:17	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 12:17	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 12:17	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 12:17	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 12:17	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 12:17	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 12:17	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 12:17	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 12:17	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 12:17	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 12:17	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 12:17	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 12:17	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 12:17	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 12:17	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 12:17	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 12:17	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 12:17	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 12:17	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 12:17	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 12:17	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 12:17	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 12:17	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 12:17	VX102125

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: BP-VPB-184-TB-20251017
Lab Sample ID: Q3413-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/20/25
SDG No.: Q3413
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 12:17	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 12:17	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 12:17	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 12:17	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 12:17	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 12:17	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 12:17	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 12:17	VX102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	53.2			81 - 118		106%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.3			80 - 119		95%	SPK: 50		
2037-26-5	Toluene-d8	45.6			89 - 112		91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.4			85 - 114		107%	SPK: 50		
INTERNAL STANDARDS										
363-72-4	Pentafluorobenzene	110000								
540-36-3	1,4-Difluorobenzene	219000								
3114-55-4	Chlorobenzene-d5	229000								
3855-82-1	1,4-Dichlorobenzene-d4	117000								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q3413

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3413-01	BP-VPB-184-GW-980-982	1,2-Dichloroethane-d4	50	54.4	109		71	136
		Dibromofluoromethane	50	52.0	104		78	119
		Toluene-d8	50	48.5	97		85	116
		4-Bromofluorobenzene	50	46.0	92		79	119
VY1024SBL01	VY1024SBL01	1,2-Dichloroethane-d4	50	44.4	89		71	136
		Dibromofluoromethane	50	48.7	97		78	119
		Toluene-d8	50	47.8	95		85	116
		4-Bromofluorobenzene	50	40.6	81		79	119
VY1024SBS01	VY1024SBS01	1,2-Dichloroethane-d4	50	44.2	88		71	136
		Dibromofluoromethane	50	49.5	99		78	119
		Toluene-d8	50	48.4	97		85	116
		4-Bromofluorobenzene	50	49.3	99		79	119
VY1024SBSD01	VY1024SBSD01	1,2-Dichloroethane-d4	50	44.4	89		71	136
		Dibromofluoromethane	50	49.4	99		78	119
		Toluene-d8	50	47.6	95		85	116
		4-Bromofluorobenzene	50	47.8	96		79	119

Surrogate Summary

SDG No.: Q3413

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3413-02	BP-VPB-184-TB-20251017	1,2-Dichloroethane-d4	50	53.2	106		81	118
		Dibromofluoromethane	50	47.3	95		80	119
		Toluene-d8	50	45.6	91		89	112
		4-Bromofluorobenzene	50	53.4	107		85	114
VX1021WBL01	VX1021WBL01	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	46.4	93		89	112
		4-Bromofluorobenzene	50	52.6	105		85	114
VX1021WBS01	VX1021WBS01	1,2-Dichloroethane-d4	50	49.2	98		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	49.7	99		85	114
VX1021WBSD0	VX1021WBSD01	1,2-Dichloroethane-d4	50	46.5	93		81	118
		Dibromofluoromethane	50	48.0	96		80	119
		Toluene-d8	50	47.9	96		89	112
		4-Bromofluorobenzene	50	47.3	95		85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3413	Analytical Method:	SW8260-Low
Client:	Tetra Tech NUS, Inc.	Datafile :	VX048255.D

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3413</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX048255.D</u>

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3413	Analytical Method:	SW8260-Low
Client:	Tetra Tech NUS, Inc.	Datafile :	VX048256.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1021WBSD01	Dichlorodifluoromethane	20	18.0	ug/L	90	7		32	152	20
	Chloromethane	20	17.3	ug/L	86	3		50	139	20
	Vinyl chloride	20	16.9	ug/L	85	3		58	137	20
	Bromomethane	20	19.0	ug/L	95	2		53	141	20
	Chloroethane	20	19.0	ug/L	95	0		60	138	20
	Trichlorofluoromethane	20	17.9	ug/L	90	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	1		70	136	20
	1,1-Dichloroethene	20	17.9	ug/L	90	0		71	131	20
	Acetone	100	81.6	ug/L	82	0		39	160	20
	Carbon disulfide	20	16.9	ug/L	85	2		64	133	20
	Methyl tert-butyl Ether	20	18.0	ug/L	90	2		71	124	20
	Methyl Acetate	20	16.9	ug/L	85	3		56	136	20
	Methylene Chloride	20	18.5	ug/L	93	3		74	124	20
	trans-1,2-Dichloroethene	20	18.8	ug/L	94	4		75	124	20
	1,1-Dichloroethane	20	18.8	ug/L	94	2		77	125	20
	Cyclohexane	20	18.4	ug/L	92	4		71	130	20
	2-Butanone	100	85.7	ug/L	86	1		56	143	20
	Carbon Tetrachloride	20	17.2	ug/L	86	1		72	136	20
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	1		78	123	20
	Bromochloromethane	20	21.3	ug/L	106	2		78	123	20
	Chloroform	20	19.0	ug/L	95	1		79	124	20
	1,1,1-Trichloroethane	20	18.3	ug/L	92	1		74	131	20
	Methylcyclohexane	20	18.2	ug/L	91	7		72	132	20
	Benzene	20	18.8	ug/L	94	1		79	120	20
	1,2-Dichloroethane	20	18.5	ug/L	93	3		73	128	20
	Trichloroethene	20	18.3	ug/L	92	1		79	123	20
	1,2-Dichloropropane	20	19.8	ug/L	99	2		78	122	20
	Bromodichloromethane	20	18.8	ug/L	94	1		79	125	20
	4-Methyl-2-Pentanone	100	89.0	ug/L	89	2		67	130	20
	Toluene	20	18.9	ug/L	95	1		80	121	20
	t-1,3-Dichloropropene	20	18.5	ug/L	93	1		73	127	20
	cis-1,3-Dichloropropene	20	18.5	ug/L	93	1		75	124	20
	1,1,2-Trichloroethane	20	19.3	ug/L	97	1		80	119	20
	2-Hexanone	100	87.8	ug/L	88	2		57	139	20
	Dibromochloromethane	20	18.3	ug/L	92	1		74	126	20
	1,2-Dibromoethane	20	18.6	ug/L	93	0		77	121	20
	Tetrachloroethene	20	17.5	ug/L	88	3		74	129	20
	Chlorobenzene	20	18.9	ug/L	95	5		82	118	20
	Ethyl Benzene	20	18.3	ug/L	92	3		79	121	20
	m/p-Xylenes	40	37.5	ug/L	94	2		80	121	20
	o-Xylene	20	18.5	ug/L	93	2		78	122	20
	Styrene	20	19.2	ug/L	96	2		78	123	20
	Bromoform	20	17.7	ug/L	89	5		66	130	20
	Isopropylbenzene	20	18.5	ug/L	93	8		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92	7		71	121	20
	1,3-Dichlorobenzene	20	18.2	ug/L	91	6		80	119	20
	1,4-Dichlorobenzene	20	18.2	ug/L	91	9		79	118	20
	1,2-Dichlorobenzene	20	18.6	ug/L	93	8		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3413</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX048256.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1021WBSD01	1,2-Dibromo-3-Chloropropane	20	16.9	ug/L	85	18		62	128	20
	1,2,4-Trichlorobenzene	20	16.8	ug/L	84	10		69	130	20
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	10		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3413	Analytical Method:	SW8260D
Client:	Tetra Tech NUS, Inc.	Datafile :	VY023561.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1024SBS01	Dichlorodifluoromethane	20	18.6	ug/Kg	93			29	149	
	Chloromethane	20	17.3	ug/Kg	86			50	136	
	Vinyl chloride	20	18.0	ug/Kg	90			56	135	
	Bromomethane	20	20.6	ug/Kg	103			53	143	
	Chloroethane	20	18.5	ug/Kg	93			59	139	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			62	140	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100			66	136	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			70	131	
	Acetone	100	130	ug/Kg	130			36	164	
	Carbon disulfide	20	18.4	ug/Kg	92			63	132	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			73	125	
	Methyl Acetate	20	17.2	ug/Kg	86			53	144	
	Methylene Chloride	20	18.5	ug/Kg	93			70	128	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			74	125	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			76	125	
	Cyclohexane	20	18.3	ug/Kg	92			67	131	
	2-Butanone	100	110	ug/Kg	110			51	148	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			70	135	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			77	123	
	Bromochloromethane	20	18.9	ug/Kg	95			78	125	
	Chloroform	20	20.4	ug/Kg	102			78	123	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			73	130	
	Methylcyclohexane	20	20.0	ug/Kg	100			66	133	
	Benzene	20	20.7	ug/Kg	104			77	121	
	1,2-Dichloroethane	20	19.6	ug/Kg	98			73	128	
	Trichloroethene	20	21.4	ug/Kg	107			77	123	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			76	123	
	Bromodichloromethane	20	20.8	ug/Kg	104			75	127	
	4-Methyl-2-Pentanone	100	96.4	ug/Kg	96			65	135	
	Toluene	20	21.3	ug/Kg	106			77	121	
	t-1,3-Dichloropropene	20	20.3	ug/Kg	102			71	130	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			74	126	
	1,1,2-Trichloroethane	20	21.6	ug/Kg	108			78	121	
	2-Hexanone	100	110	ug/Kg	110			53	145	
	Dibromochloromethane	20	21.3	ug/Kg	106			74	126	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			78	122	
	Tetrachloroethene	20	20.6	ug/Kg	103			73	128	
	Chlorobenzene	20	20.9	ug/Kg	104			79	120	
	Ethyl Benzene	20	20.5	ug/Kg	103			76	122	
	m/p-Xylenes	40	42.3	ug/Kg	106			77	124	
	o-Xylene	20	21.1	ug/Kg	106			77	123	
	Styrene	20	20.9	ug/Kg	104			76	124	
	Bromoform	20	20.9	ug/Kg	104			67	132	
	Isopropylbenzene	20	20.6	ug/Kg	103			68	134	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/Kg	102			70	124	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			77	121	
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103			75	120	
	1,2-Dichlorobenzene	20	20.4	ug/Kg	102			78	121	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3413</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VY023561.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VY1024SBS01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96			61	132	
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100			67	129	
	1,2,3-Trichlorobenzene	20	19.6	ug/Kg	98			66	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3413	Analytical Method:	SW8260D
Client:	Tetra Tech NUS, Inc.	Datafile :	VY023562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1024SBSD01	Dichlorodifluoromethane	20	19.0	ug/Kg	95	2		29	149	20
	Chloromethane	20	17.9	ug/Kg	90	5		50	136	20
	Vinyl chloride	20	18.8	ug/Kg	94	4		56	135	20
	Bromomethane	20	21.4	ug/Kg	107	4		53	143	20
	Chloroethane	20	19.6	ug/Kg	98	5		59	139	20
	Trichlorofluoromethane	20	20.3	ug/Kg	102	7		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106	6		66	136	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	5		70	131	20
	Acetone	100	130	ug/Kg	130	0		36	164	20
	Carbon disulfide	20	19.0	ug/Kg	95	3		63	132	20
	Methyl tert-butyl Ether	20	21.1	ug/Kg	106	6		73	125	20
	Methyl Acetate	20	17.5	ug/Kg	88	2		53	144	20
	Methylene Chloride	20	19.3	ug/Kg	97	4		70	128	20
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106	5		74	125	20
	1,1-Dichloroethane	20	20.6	ug/Kg	103	4		76	125	20
	Cyclohexane	20	19.2	ug/Kg	96	4		67	131	20
	2-Butanone	100	120	ug/Kg	120	9		51	148	20
	Carbon Tetrachloride	20	21.4	ug/Kg	107	4		70	135	20
	cis-1,2-Dichloroethene	20	21.7	ug/Kg	109	5		77	123	20
	Bromochloromethane	20	20.0	ug/Kg	100	5		78	125	20
	Chloroform	20	21.3	ug/Kg	106	4		78	123	20
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106	3		73	130	20
	Methylcyclohexane	20	20.7	ug/Kg	104	4		66	133	20
	Benzene	20	21.3	ug/Kg	106	2		77	121	20
	1,2-Dichloroethane	20	20.4	ug/Kg	102	4		73	128	20
	Trichloroethene	20	21.9	ug/Kg	110	3		77	123	20
	1,2-Dichloropropane	20	21.0	ug/Kg	105	3		76	123	20
	Bromodichloromethane	20	21.6	ug/Kg	108	4		75	127	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	4		65	135	20
	Toluene	20	21.9	ug/Kg	110	4		77	121	20
	t-1,3-Dichloropropene	20	21.3	ug/Kg	106	4		71	130	20
	cis-1,3-Dichloropropene	20	21.8	ug/Kg	109	6		74	126	20
	1,1,2-Trichloroethane	20	23.0	ug/Kg	115	6		78	121	20
	2-Hexanone	100	120	ug/Kg	120	9		53	145	20
	Dibromochloromethane	20	22.7	ug/Kg	114	7		74	126	20
	1,2-Dibromoethane	20	22.5	ug/Kg	113	5		78	122	20
	Tetrachloroethene	20	21.3	ug/Kg	106	3		73	128	20
	Chlorobenzene	20	21.9	ug/Kg	110	6		79	120	20
	Ethyl Benzene	20	21.5	ug/Kg	108	5		76	122	20
	m/p-Xylenes	40	44.4	ug/Kg	111	5		77	124	20
	o-Xylene	20	22.0	ug/Kg	110	4		77	123	20
	Styrene	20	21.9	ug/Kg	110	6		76	124	20
	Bromoform	20	22.6	ug/Kg	113	8		67	132	20
	Isopropylbenzene	20	21.8	ug/Kg	109	6		68	134	20
	1,1,2,2-Tetrachloroethane	20	22.4	ug/Kg	112	9		70	124	20
	1,3-Dichlorobenzene	20	22.0	ug/Kg	110	8		77	121	20
	1,4-Dichlorobenzene	20	21.8	ug/Kg	109	6		75	120	20
	1,2-Dichlorobenzene	20	22.3	ug/Kg	112	9		78	121	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3413</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VY023562.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1024SBSD01	1,2-Dibromo-3-Chloropropane	20	22.0	ug/Kg	110	14		61	132	20
	1,2,4-Trichlorobenzene	20	21.9	ug/Kg	110	10		67	129	20
	1,2,3-Trichlorobenzene	20	21.4	ug/Kg	107	9		66	130	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1021WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3413

Lab File ID: VX048254.D

Lab Sample ID: VX1021WBL01

Date Analyzed: 10/21/2025

Time Analyzed: 09:40

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025
VX1021WBSD01	VX1021WBSD01	VX048256.D	10/21/2025
BP-VPB-184-TB-20251017	Q3413-02	VX048261.D	10/21/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1024SBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3413

Lab File ID: VY023560.D

Lab Sample ID: VY1024SBL01

Date Analyzed: 10/24/2025

Time Analyzed: 09:24

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1024SBS01	VY1024SBS01	VY023561.D	10/24/2025
VY1024SBSD01	VY1024SBSD01	VY023562.D	10/24/2025
BP-VPB-184-GW-980-982	Q3413-01	VY023564.D	10/24/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3413

Lab File ID: VX048226.D

BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:15

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	17.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX048229.D	10/20/2025	10:59
VSTDIC020	VSTDIC020	VX048231.D	10/20/2025	11:40
VSTDIC050	VSTDIC050	VX048232.D	10/20/2025	12:01
VSTDIC100	VSTDIC100	VX048233.D	10/20/2025	12:22
VSTDIC150	VSTDIC150	VX048234.D	10/20/2025	12:43
VSTDIC005	VSTDIC005	VX048236.D	10/20/2025	13:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048251.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: TETR06
SDG NO.: Q3413
BFB Injection Date: 10/21/2025
BFB Injection Time: 08:12
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	5.5 (7.2) 1
176	95.0 - 101.0% of mass 174	72.8 (96.1) 1
177	5.0 - 9.0% of mass 176	5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048252.D	10/21/2025	08:43
VX1021WBL01	VX1021WBL01	VX048254.D	10/21/2025	09:40
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025	10:06
VX1021WBSD01	VX1021WBSD01	VX048256.D	10/21/2025	10:33
BP-VPB-184-TB-20251017	Q3413-02	VX048261.D	10/21/2025	12:17
VSTDCCC050EC	VSTDCCC050	VX048278.D	10/21/2025	18:09

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3413

Lab File ID: VY023383.D

BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:43

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 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	VY023384.D	10/07/2025	09:17
VSTDIC010	VSTDIC010	VY023385.D	10/07/2025	10:02
VSTDIC020	VSTDIC020	VY023386.D	10/07/2025	11:24
VSTDIC050	VSTDIC050	VY023387.D	10/07/2025	11:47
VSTDIC100	VSTDIC100	VY023388.D	10/07/2025	12:09
VSTDIC150	VSTDIC150	VY023389.D	10/07/2025	12:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3413

Lab File ID: VY023558.D

BFB Injection Date: 10/24/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 07:47

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	47.4
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	1.1 (1.1) 1
174	50.0 - 100.0% of mass 95	98.2
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	96.3 (98) 1
177	5.0 - 9.0% of mass 176	6.4 (6.6) 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	VY023559.D	10/24/2025	08:56
VY1024SBL01	VY1024SBL01	VY023560.D	10/24/2025	09:24
VY1024SBS01	VY1024SBS01	VY023561.D	10/24/2025	09:52
VY1024SBSD01	VY1024SBSD01	VY023562.D	10/24/2025	10:14
BP-VPB-184-GW-980-982	Q3413-01	VY023564.D	10/24/2025	11:21
VSTDCCC050EC	VSTDCCC050	VY023583.D	10/24/2025	19:06

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3413
Lab File ID: VX048252.D Date Analyzed: 10/21/2025
Instrument ID: MSVOA_X Time Analyzed: 08:43
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	144122	5.53	227103	6.74	197016	10.04
UPPER LIMIT	288244	6.031	454206	7.238	394032	10.537
LOWER LIMIT	72061	5.031	113552	6.238	98508	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20251017	110202	5.54	219240	6.75	229169	10.04
VX1021WBL01	121915	5.53	240535	6.75	247603	10.04
VX1021WBS01	141199	5.54	230109	6.74	212342	10.04
VX1021WBSD01	137604	5.53	224103	6.74	203364	10.04

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3413
Lab File ID: VX048252.D Date Analyzed: 10/21/2025
Instrument ID: MSVOA_X Time Analyzed: 08:43
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	96991	12.00€				
UPPER LIMIT	193982	12.50€				
LOWER LIMIT	48495.5	11.50€				
EPA SAMPLE NO.						
BP-VPB-184-TB-20251017	116744	12.01				
VX1021WBL01	126551	12.01				
VX1021WBS01	110789	12.01				
VX1021WBSD01	101316	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3413
Lab File ID: VY023559.D Date Analyzed: 10/24/2025
Instrument ID: MSVOA_Y Time Analyzed: 08:56
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	558901	7.71	809883	8.62	712621	11.41
UPPER LIMIT	1117800	8.213	1619770	9.115	1425240	11.914
LOWER LIMIT	279451	7.213	404942	8.115	356311	10.914
EPA SAMPLE NO.						
BP-VPB-184-GW-980-982	812743	7.71	1310630	8.62	1133524	11.41
VY1024SBL01	898566	7.71	1421897	8.62	1164716	11.41
VY1024SBS01	551537	7.71	799010	8.62	709717	11.41
VY1024SBSD01	536786	7.71	783587	8.62	686581	11.41

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.: Q3413
 Lab File ID: VY023559.D Date Analyzed: 10/24/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:56
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	380279	13.346				
UPPER LIMIT	760558	13.846				
LOWER LIMIT	190140	12.846				
EPA SAMPLE NO.						
BP-VPB-184-GW-980-982	486654	13.35				
VY1024SBL01	469443	13.35				
VY1024SBS01	380713	13.35				
VY1024SBSD01	360721	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

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

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

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

SURROGATES

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

INTERNAL STANDARDS

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VY1024SBL01
Lab Sample ID: VY1024SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	4.00	U	1	1.10	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425
74-87-3	Chloromethane	2.50	U	1	1.10	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
75-01-4	Vinyl Chloride	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
74-83-9	Bromomethane	4.00	U	1	1.10	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425
75-00-3	Chloroethane	2.50	U	1	1.30	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
75-69-4	Trichlorofluoromethane	4.00	U	1	1.20	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1	1.10	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
75-35-4	1,1-Dichloroethene	2.50	U	1	1.00	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
67-64-1	Acetone	20.0	U	1	4.70	20.0	25.0	ug/Kg	10/24/25 09:24	VY102425
75-15-0	Carbon Disulfide	4.00	U	1	1.10	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425
1634-04-4	Methyl tert-butyl Ether	2.50	U	1	0.73	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
79-20-9	Methyl Acetate	4.00	U	1	1.50	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425
75-09-2	Methylene Chloride	8.00	U	1	3.50	8.00	10.0	ug/Kg	10/24/25 09:24	VY102425
156-60-5	trans-1,2-Dichloroethene	2.50	U	1	0.86	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
75-34-3	1,1-Dichloroethane	2.50	U	1	0.80	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
110-82-7	Cyclohexane	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
78-93-3	2-Butanone	20.0	U	1	6.50	20.0	25.0	ug/Kg	10/24/25 09:24	VY102425
56-23-5	Carbon Tetrachloride	2.50	U	1	0.97	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
156-59-2	cis-1,2-Dichloroethene	2.50	U	1	0.75	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
74-97-5	Bromochloromethane	4.00	U	1	1.20	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425
67-66-3	Chloroform	4.00	U	1	0.84	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425
71-55-6	1,1,1-Trichloroethane	2.50	U	1	0.93	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
108-87-2	Methylcyclohexane	2.50	U	1	0.91	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
71-43-2	Benzene	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
107-06-2	1,2-Dichloroethane	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
79-01-6	Trichloroethene	2.50	U	1	0.81	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
78-87-5	1,2-Dichloropropane	2.50	U	1	0.91	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
75-27-4	Bromodichloromethane	2.50	U	1	0.78	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
108-10-1	4-Methyl-2-Pentanone	12.5	U	1	3.60	12.5	25.0	ug/Kg	10/24/25 09:24	VY102425
108-88-3	Toluene	2.50	U	1	0.78	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
10061-02-6	t-1,3-Dichloropropene	2.50	U	1	0.65	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
10061-01-5	cis-1,3-Dichloropropene	2.50	U	1	0.62	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
79-00-5	1,1,2-Trichloroethane	2.50	U	1	0.92	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
591-78-6	2-Hexanone	12.5	U	1	3.70	12.5	25.0	ug/Kg	10/24/25 09:24	VY102425
124-48-1	Dibromochloromethane	2.50	U	1	0.87	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
106-93-4	1,2-Dibromoethane	2.50	U	1	0.88	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
127-18-4	Tetrachloroethene	2.50	U	1	1.10	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
108-90-7	Chlorobenzene	2.50	U	1	0.91	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
100-41-4	Ethyl Benzene	2.50	U	1	0.67	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
179601-23-1	m/p-Xylenes	5.00	U	1	1.20	5.00	10.0	ug/Kg	10/24/25 09:24	VY102425
95-47-6	o-Xylene	2.50	U	1	0.82	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
100-42-5	Styrene	2.50	U	1	0.71	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
75-25-2	Bromoform	2.50	U	1	0.86	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VY1024SBL01
Lab Sample ID: VY1024SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.50	U	1	0.78	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1	1.20	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
541-73-1	1,3-Dichlorobenzene	2.50	U	1	1.70	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
106-46-7	1,4-Dichlorobenzene	2.50	U	1	1.60	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
95-50-1	1,2-Dichlorobenzene	2.50	U	1	1.50	2.50	5.00	ug/Kg	10/24/25 09:24	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	1	1.80	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425
120-82-1	1,2,4-Trichlorobenzene	4.00	U	1	3.00	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425
87-61-6	1,2,3-Trichlorobenzene	4.00	U	1	3.20	4.00	5.00	ug/Kg	10/24/25 09:24	VY102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	44.4			71 - 136	89%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7			78 - 119	97%	SPK: 50
2037-26-5	Toluene-d8	47.7			85 - 116	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.6			79 - 119	81%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	899000
540-36-3	1,4-Difluorobenzene	1420000
3114-55-4	Chlorobenzene-d5	1160000
3855-82-1	1,4-Dichlorobenzene-d4	469000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

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

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VY1024SBS01
Lab Sample ID: VY1024SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	18.6		1	1.10	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
74-87-3	Chloromethane	17.3		1	1.10	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-01-4	Vinyl Chloride	18.0		1	0.79	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
74-83-9	Bromomethane	20.6		1	1.10	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
75-00-3	Chloroethane	18.5		1	1.30	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-69-4	Trichlorofluoromethane	19.0		1	1.20	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1	1.10	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-35-4	1,1-Dichloroethene	19.8		1	1.00	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
67-64-1	Acetone	130		1	4.70	20.0	25.0	ug/Kg	10/24/25 09:52	VY102425
75-15-0	Carbon Disulfide	18.4		1	1.10	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
1634-04-4	Methyl tert-butyl Ether	20.0		1	0.73	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
79-20-9	Methyl Acetate	17.2		1	1.50	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
75-09-2	Methylene Chloride	18.5		1	3.50	8.00	10.0	ug/Kg	10/24/25 09:52	VY102425
156-60-5	trans-1,2-Dichloroethene	20.1		1	0.86	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-34-3	1,1-Dichloroethane	19.8		1	0.80	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
110-82-7	Cyclohexane	18.3		1	0.79	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
78-93-3	2-Butanone	110		1	6.50	20.0	25.0	ug/Kg	10/24/25 09:52	VY102425
56-23-5	Carbon Tetrachloride	20.6		1	0.97	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
156-59-2	cis-1,2-Dichloroethene	20.9		1	0.75	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
74-97-5	Bromochloromethane	18.9		1	1.20	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
67-66-3	Chloroform	20.4		1	0.84	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
71-55-6	1,1,1-Trichloroethane	20.5		1	0.93	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
108-87-2	Methylcyclohexane	20.0		1	0.91	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
71-43-2	Benzene	20.7		1	0.79	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
107-06-2	1,2-Dichloroethane	19.6		1	0.79	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
79-01-6	Trichloroethene	21.4		1	0.81	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
78-87-5	1,2-Dichloropropane	20.3		1	0.91	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-27-4	Bromodichloromethane	20.8		1	0.78	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
108-10-1	4-Methyl-2-Pentanone	96.4		1	3.60	12.5	25.0	ug/Kg	10/24/25 09:52	VY102425
108-88-3	Toluene	21.3		1	0.78	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
10061-02-6	t-1,3-Dichloropropene	20.3		1	0.65	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
10061-01-5	cis-1,3-Dichloropropene	20.6		1	0.62	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
79-00-5	1,1,2-Trichloroethane	21.6		1	0.92	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
591-78-6	2-Hexanone	110		1	3.70	12.5	25.0	ug/Kg	10/24/25 09:52	VY102425
124-48-1	Dibromochloromethane	21.3		1	0.87	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
106-93-4	1,2-Dibromoethane	21.4		1	0.88	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
127-18-4	Tetrachloroethene	20.6		1	1.10	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
108-90-7	Chlorobenzene	20.9		1	0.91	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
100-41-4	Ethyl Benzene	20.5		1	0.67	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
179601-23-1	m/p-Xylenes	42.3		1	1.20	5.00	10.0	ug/Kg	10/24/25 09:52	VY102425
95-47-6	o-Xylene	21.1		1	0.82	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
100-42-5	Styrene	20.9		1	0.71	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-25-2	Bromoform	20.9		1	0.86	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VY1024SBS01
Lab Sample ID: VY1024SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.6		1	0.78	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	20.3		1	1.20	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
95-50-1	1,2-Dichlorobenzene	20.4		1	1.50	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1	1.80	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
87-61-6	1,2,3-Trichlorobenzene	19.6		1	3.20	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	44.2			71 - 136		88%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5			78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.4			85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3			79 - 119		99%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	552000
540-36-3	1,4-Difluorobenzene	799000
3114-55-4	Chlorobenzene-d5	710000
3855-82-1	1,4-Dichlorobenzene-d4	381000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1021WBSD01
Lab Sample ID: VX1021WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	18.0		1	0.22	0.50	1.00	ug/L	10/21/25 10:33	VX102125
74-87-3	Chloromethane	17.3		1	0.32	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-01-4	Vinyl Chloride	16.9		1	0.26	0.75	1.00	ug/L	10/21/25 10:33	VX102125
74-83-9	Bromomethane	19.0		1	1.40	3.80	5.00	ug/L	10/21/25 10:33	VX102125
75-00-3	Chloroethane	19.0		1	0.47	0.75	1.00	ug/L	10/21/25 10:33	VX102125
75-69-4	Trichlorofluoromethane	17.9		1	0.33	0.50	1.00	ug/L	10/21/25 10:33	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-35-4	1,1-Dichloroethene	17.9		1	0.23	0.75	1.00	ug/L	10/21/25 10:33	VX102125
67-64-1	Acetone	81.6		1	1.50	3.80	5.00	ug/L	10/21/25 10:33	VX102125
75-15-0	Carbon Disulfide	16.9		1	0.21	0.75	1.00	ug/L	10/21/25 10:33	VX102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
79-20-9	Methyl Acetate	16.9		1	0.27	0.75	1.00	ug/L	10/21/25 10:33	VX102125
75-09-2	Methylene Chloride	18.5		1	0.28	0.50	1.00	ug/L	10/21/25 10:33	VX102125
156-60-5	trans-1,2-Dichloroethene	18.8		1	0.23	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-34-3	1,1-Dichloroethane	18.8		1	0.23	0.50	1.00	ug/L	10/21/25 10:33	VX102125
110-82-7	Cyclohexane	18.4		1	1.50	2.50	5.00	ug/L	10/21/25 10:33	VX102125
78-93-3	2-Butanone	85.7		1	0.98	2.50	5.00	ug/L	10/21/25 10:33	VX102125
56-23-5	Carbon Tetrachloride	17.2		1	0.25	0.50	1.00	ug/L	10/21/25 10:33	VX102125
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.19	0.75	1.00	ug/L	10/21/25 10:33	VX102125
74-97-5	Bromochloromethane	21.3		1	0.22	0.50	1.00	ug/L	10/21/25 10:33	VX102125
67-66-3	Chloroform	19.0		1	0.25	0.50	1.00	ug/L	10/21/25 10:33	VX102125
71-55-6	1,1,1-Trichloroethane	18.3		1	0.20	0.50	1.00	ug/L	10/21/25 10:33	VX102125
108-87-2	Methylcyclohexane	18.2		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
71-43-2	Benzene	18.8		1	0.15	0.50	1.00	ug/L	10/21/25 10:33	VX102125
107-06-2	1,2-Dichloroethane	18.5		1	0.22	0.50	1.00	ug/L	10/21/25 10:33	VX102125
79-01-6	Trichloroethene	18.3		1	0.090	0.75	1.00	ug/L	10/21/25 10:33	VX102125
78-87-5	1,2-Dichloropropane	19.8		1	0.20	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-27-4	Bromodichloromethane	18.8		1	0.22	0.50	1.00	ug/L	10/21/25 10:33	VX102125
108-10-1	4-Methyl-2-Pentanone	89.0		1	0.68	2.50	5.00	ug/L	10/21/25 10:33	VX102125
108-88-3	Toluene	18.9		1	0.14	0.50	1.00	ug/L	10/21/25 10:33	VX102125
10061-02-6	t-1,3-Dichloropropene	18.5		1	0.17	0.50	1.00	ug/L	10/21/25 10:33	VX102125
10061-01-5	cis-1,3-Dichloropropene	18.5		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
79-00-5	1,1,2-Trichloroethane	19.3		1	0.21	0.50	1.00	ug/L	10/21/25 10:33	VX102125
591-78-6	2-Hexanone	87.8		1	0.89	2.50	5.00	ug/L	10/21/25 10:33	VX102125
124-48-1	Dibromochloromethane	18.3		1	0.18	0.50	1.00	ug/L	10/21/25 10:33	VX102125
106-93-4	1,2-Dibromoethane	18.6		1	0.15	0.50	1.00	ug/L	10/21/25 10:33	VX102125
127-18-4	Tetrachloroethene	17.5		1	0.23	0.50	1.00	ug/L	10/21/25 10:33	VX102125
108-90-7	Chlorobenzene	18.9		1	0.12	0.50	1.00	ug/L	10/21/25 10:33	VX102125
100-41-4	Ethyl Benzene	18.3		1	0.13	0.50	1.00	ug/L	10/21/25 10:33	VX102125
179601-23-1	m/p-Xylenes	37.5		1	0.24	1.00	2.00	ug/L	10/21/25 10:33	VX102125
95-47-6	o-Xylene	18.5		1	0.12	0.50	1.00	ug/L	10/21/25 10:33	VX102125
100-42-5	Styrene	19.2		1	0.15	0.50	1.00	ug/L	10/21/25 10:33	VX102125
75-25-2	Bromoform	17.7		1	0.19	0.50	1.00	ug/L	10/21/25 10:33	VX102125

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VX1021WBSD01
Lab Sample ID: VX1021WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	18.5		1	0.12	0.50	1.00	ug/L	10/21/25 10:33	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1	0.26	0.50	1.00	ug/L	10/21/25 10:33	VX102125
541-73-1	1,3-Dichlorobenzene	18.2		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
106-46-7	1,4-Dichlorobenzene	18.2		1	0.19	0.50	1.00	ug/L	10/21/25 10:33	VX102125
95-50-1	1,2-Dichlorobenzene	18.6		1	0.16	0.50	1.00	ug/L	10/21/25 10:33	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		1	0.53	0.75	1.00	ug/L	10/21/25 10:33	VX102125
120-82-1	1,2,4-Trichlorobenzene	16.8		1	0.20	0.50	1.00	ug/L	10/21/25 10:33	VX102125
87-61-6	1,2,3-Trichlorobenzene	17.3		1	0.20	0.75	1.00	ug/L	10/21/25 10:33	VX102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46.5			81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0			80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	47.9			89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3			85 - 114		95%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	138000
540-36-3	1,4-Difluorobenzene	224000
3114-55-4	Chlorobenzene-d5	203000
3855-82-1	1,4-Dichlorobenzene-d4	101000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VY1024SBSD01
Lab Sample ID: VY1024SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	19.0		1	1.10	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
74-87-3	Chloromethane	17.9		1	1.10	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
75-01-4	Vinyl Chloride	18.8		1	0.79	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
74-83-9	Bromomethane	21.4		1	1.10	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
75-00-3	Chloroethane	19.6		1	1.30	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
75-69-4	Trichlorofluoromethane	20.3		1	1.20	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1	1.10	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
75-35-4	1,1-Dichloroethene	20.8		1	1.00	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
67-64-1	Acetone	130		1	4.70	20.0	25.0	ug/Kg	10/24/25 10:14	VY102425
75-15-0	Carbon Disulfide	19.0		1	1.10	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
1634-04-4	Methyl tert-butyl Ether	21.1		1	0.73	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
79-20-9	Methyl Acetate	17.5		1	1.50	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
75-09-2	Methylene Chloride	19.3		1	3.50	8.00	10.0	ug/Kg	10/24/25 10:14	VY102425
156-60-5	trans-1,2-Dichloroethene	21.1		1	0.86	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
75-34-3	1,1-Dichloroethane	20.6		1	0.80	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
110-82-7	Cyclohexane	19.2		1	0.79	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
78-93-3	2-Butanone	120		1	6.50	20.0	25.0	ug/Kg	10/24/25 10:14	VY102425
56-23-5	Carbon Tetrachloride	21.4		1	0.97	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
156-59-2	cis-1,2-Dichloroethene	21.7		1	0.75	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
74-97-5	Bromochloromethane	20.0		1	1.20	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
67-66-3	Chloroform	21.3		1	0.84	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
71-55-6	1,1,1-Trichloroethane	21.2		1	0.93	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
108-87-2	Methylcyclohexane	20.7		1	0.91	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
71-43-2	Benzene	21.3		1	0.79	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
107-06-2	1,2-Dichloroethane	20.4		1	0.79	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
79-01-6	Trichloroethene	21.9		1	0.81	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
78-87-5	1,2-Dichloropropane	21.0		1	0.91	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
75-27-4	Bromodichloromethane	21.6		1	0.78	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	12.5	25.0	ug/Kg	10/24/25 10:14	VY102425
108-88-3	Toluene	21.9		1	0.78	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
10061-02-6	t-1,3-Dichloropropene	21.3		1	0.65	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
10061-01-5	cis-1,3-Dichloropropene	21.8		1	0.62	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
79-00-5	1,1,2-Trichloroethane	23.0		1	0.92	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
591-78-6	2-Hexanone	120		1	3.70	12.5	25.0	ug/Kg	10/24/25 10:14	VY102425
124-48-1	Dibromochloromethane	22.7		1	0.87	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
106-93-4	1,2-Dibromoethane	22.5		1	0.88	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
127-18-4	Tetrachloroethene	21.3		1	1.10	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
108-90-7	Chlorobenzene	21.9		1	0.91	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
100-41-4	Ethyl Benzene	21.5		1	0.67	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
179601-23-1	m/p-Xylenes	44.4		1	1.20	5.00	10.0	ug/Kg	10/24/25 10:14	VY102425
95-47-6	o-Xylene	22.0		1	0.82	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
100-42-5	Styrene	21.9		1	0.71	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
75-25-2	Bromoform	22.6		1	0.86	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VY1024SBSD01
Lab Sample ID: VY1024SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.8		1	0.78	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1	1.20	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
541-73-1	1,3-Dichlorobenzene	22.0		1	1.70	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
106-46-7	1,4-Dichlorobenzene	21.8		1	1.60	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
95-50-1	1,2-Dichlorobenzene	22.3		1	1.50	2.50	5.00	ug/Kg	10/24/25 10:14	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	22.0		1	1.80	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
120-82-1	1,2,4-Trichlorobenzene	21.9		1	3.00	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
87-61-6	1,2,3-Trichlorobenzene	21.4		1	3.20	4.00	5.00	ug/Kg	10/24/25 10:14	VY102425
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	44.4			71 - 136		89%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.4			78 - 119		99%	SPK: 50		
2037-26-5	Toluene-d8	47.6			85 - 116		95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.8			79 - 119		96%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	537000								
540-36-3	1,4-Difluorobenzene	784000								
3114-55-4	Chlorobenzene-d5	687000								
3855-82-1	1,4-Dichlorobenzene-d4	361000								

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: <u>Alliance</u>	Contract: <u>TETR06</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3413</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>10:59</u> <u>13:49</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG No.: Q3413
Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025
Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49
GC Column: DB-624UI ID: 0.18 (mm)

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG No.: Q3413

Instrument ID: MSVOA_Y

Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 09:17 12:32

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

LAB FILE ID:		RRF005 = VY023384.D		RRF010 = VY023385.D		RRF020 = VY023386.D			
		RRF050 = VY023387.D		RRF100 = VY023388.D		RRF150 = VY023389.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12	
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4	
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6	
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4	
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7	
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5	
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6	
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1	
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7	
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7	
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3	
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6	
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4	
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9	
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9	
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3	
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6	
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1	
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8	
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2	
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5	
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1	
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7	
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2	
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6	
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8	
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9	
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7	
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6	
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5	

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG No.: Q3413

Instrument ID: MSVOA_Y

Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 09:17 12:32

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

LAB FILE ID:								
RRF005 = VY023384.D			RRF010 = VY023385.D			RRF020 = VY023386.D		
RRF050 = VY023387.D			RRF100 = VY023388.D			RRF150 = VY023389.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3413</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025 08:43</u>
Lab File ID:	<u>VX048252.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.496		-3.5	20
Chloromethane	0.480	0.468	0.1	-2.5	20
Vinyl Chloride	0.444	0.448		0.9	20
Bromomethane	0.302	0.299		-0.99	20
Chloroethane	0.261	0.261		0	20
Trichlorofluoromethane	0.852	0.813		-4.58	20
1,1,2-Trichlorotrifluoroethane	0.540	0.513		-5	20
1,1-Dichloroethene	0.525	0.498		-5.14	20
Acetone	0.240	0.230		-4.17	20
Carbon Disulfide	1.654	1.439		-13	20
Methyl tert-butyl Ether	1.791	1.576		-12	20
Methyl Acetate	0.502	0.411		-18.13	20
Methylene Chloride	0.586	0.556		-5.12	20
trans-1,2-Dichloroethene	0.577	0.538		-6.76	20
1,1-Dichloroethane	1.051	0.952	0.1	-9.42	20
Cyclohexane	0.870	0.788		-9.43	20
2-Butanone	0.304	0.260		-14.47	20
Carbon Tetrachloride	0.599	0.533		-11.02	20
cis-1,2-Dichloroethene	0.673	0.610		-9.36	20
Bromochloromethane	0.436	0.435		-0.23	20
Chloroform	1.123	1.006		-10.42	20
1,1,1-Trichloroethane	1.035	0.920		-11.11	20
Methylcyclohexane	0.573	0.510		-10.99	20
Benzene	1.409	1.280		-9.15	20
1,2-Dichloroethane	0.520	0.466		-10.39	20
Trichloroethene	0.372	0.337		-9.41	20
1,2-Dichloropropane	0.335	0.305		-8.95	20
Bromodichloromethane	0.563	0.510		-9.41	20
4-Methyl-2-Pentanone	0.381	0.302		-20.74	20
Toluene	0.895	0.795		-11.17	20
t-1,3-Dichloropropene	0.543	0.493		-9.21	20
cis-1,3-Dichloropropene	0.586	0.529		-9.73	20
1,1,2-Trichloroethane	0.333	0.291		-12.61	20
2-Hexanone	0.266	0.227		-14.66	20
Dibromochloromethane	0.447	0.388		-13.2	20
1,2-Dibromoethane	0.355	0.307		-13.52	20
Tetrachloroethene	0.373	0.325		-12.87	20
Chlorobenzene	1.125	1.025	0.3	-8.89	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3413</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025 08:43</u>
Lab File ID:	<u>VX048252.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.738		-9.24	20
m/p-Xylenes	0.712	0.666		-6.46	20
o-Xylene	0.687	0.625		-9.02	20
Styrene	1.170	1.107		-5.39	20
Bromoform	0.330	0.283	0.1	-14.24	20
Isopropylbenzene	3.652	3.379		-7.47	20
1,1,2,2-Tetrachloroethane	0.997	0.857	0.3	-14.04	20
1,3-Dichlorobenzene	1.726	1.555		-9.91	20
1,4-Dichlorobenzene	1.788	1.551		-13.26	20
1,2-Dichlorobenzene	1.621	1.416		-12.65	20
1,2-Dibromo-3-Chloropropane	0.202	0.163		-19.31	20
1,2,4-Trichlorobenzene	1.096	0.885		-19.25	20
1,2,3-Trichlorobenzene	1.006	0.834		-17.1	20
1,2-Dichloroethane-d4	0.701	0.658		-6.13	20
Dibromofluoromethane	0.341	0.340		-0.29	20
Toluene-d8	1.196	1.150		-3.85	20
4-Bromofluorobenzene	0.455	0.419		-7.91	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3413</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>18:09</u>
Lab File ID:	<u>VX048278.D</u>	Init. Calib. Date(s):	<u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59</u> <u>13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.469		-8.76	50
Chloromethane	0.480	0.395	0.1	-17.71	50
Vinyl Chloride	0.444	0.366		-17.57	50
Bromomethane	0.302	0.258		-14.57	50
Chloroethane	0.261	0.231		-11.49	50
Trichlorofluoromethane	0.852	0.801		-5.99	50
1,1,2-Trichlorotrifluoroethane	0.540	0.479		-11.3	50
1,1-Dichloroethene	0.525	0.490		-6.67	50
Acetone	0.240	0.185		-22.92	50
Carbon Disulfide	1.654	1.375		-16.87	50
Methyl tert-butyl Ether	1.791	1.749		-2.35	50
Methyl Acetate	0.502	0.451		-10.16	50
Methylene Chloride	0.586	0.564		-3.75	50
trans-1,2-Dichloroethene	0.577	0.537		-6.93	50
1,1-Dichloroethane	1.051	0.987	0.1	-6.09	50
Cyclohexane	0.870	0.770		-11.49	50
2-Butanone	0.304	0.262		-13.82	50
Carbon Tetrachloride	0.599	0.547		-8.68	50
cis-1,2-Dichloroethene	0.673	0.652		-3.12	50
Bromochloromethane	0.436	0.416		-4.59	50
Chloroform	1.123	1.104		-1.69	50
1,1,1-Trichloroethane	1.035	1.009		-2.51	50
Methylcyclohexane	0.573	0.489		-14.66	50
Benzene	1.409	1.285		-8.8	50
1,2-Dichloroethane	0.520	0.519		-0.19	50
Trichloroethene	0.372	0.348		-6.45	50
1,2-Dichloropropane	0.335	0.311		-7.16	50
Bromodichloromethane	0.563	0.545		-3.2	50
4-Methyl-2-Pentanone	0.381	0.346		-9.19	50
Toluene	0.895	0.860		-3.91	50
t-1,3-Dichloropropene	0.543	0.540		-0.55	50
cis-1,3-Dichloropropene	0.586	0.561		-4.27	50
1,1,2-Trichloroethane	0.333	0.324		-2.7	50
2-Hexanone	0.266	0.244		-8.27	50
Dibromochloromethane	0.447	0.441		-1.34	50
1,2-Dibromoethane	0.355	0.344		-3.1	50
Tetrachloroethene	0.373	0.316		-15.28	50
Chlorobenzene	1.125	1.027	0.3	-8.71	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3413</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>18:09</u>
Lab File ID:	<u>VX048278.D</u>	Init. Calib. Date(s):	<u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59</u> <u>13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.736		-9.35	50
m/p-Xylenes	0.712	0.662		-7.02	50
o-Xylene	0.687	0.645		-6.11	50
Styrene	1.170	1.126		-3.76	50
Bromoform	0.330	0.304	0.1	-7.88	50
Isopropylbenzene	3.652	3.018		-17.36	50
1,1,2,2-Tetrachloroethane	0.997	0.843	0.3	-15.45	50
1,3-Dichlorobenzene	1.726	1.412		-18.19	50
1,4-Dichlorobenzene	1.788	1.440		-19.46	50
1,2-Dichlorobenzene	1.621	1.364		-15.85	50
1,2-Dibromo-3-Chloropropane	0.202	0.166		-17.82	50
1,2,4-Trichlorobenzene	1.096	0.844		-22.99	50
1,2,3-Trichlorobenzene	1.006	0.810		-19.48	50
1,2-Dichloroethane-d4	0.701	0.787		12.27	50
Dibromofluoromethane	0.341	0.360		5.57	50
Toluene-d8	1.196	1.238		3.51	50
4-Bromofluorobenzene	0.455	0.547		20.22	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3413</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/24/2025 08:56</u>
Lab File ID:	<u>VY023559.D</u>	Init. Calib. Date(s):	<u>10/07/2025 10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17 12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.296		-17.78	20
Chloromethane	0.490	0.393	0.1	-19.8	20
Vinyl Chloride	0.639	0.540		-15.49	20
Bromomethane	0.536	0.487		-9.14	20
Chloroethane	0.435	0.389		-10.57	20
Trichlorofluoromethane	0.887	0.844		-4.85	20
1,1,2-Trichlorotrifluoroethane	0.460	0.472		2.61	20
1,1-Dichloroethene	0.446	0.451		1.12	20
Acetone	0.100	0.101		1	20
Carbon Disulfide	1.277	1.159		-9.24	20
Methyl tert-butyl Ether	1.072	1.188		10.82	20
Methyl Acetate	0.261	0.280		7.28	20
Methylene Chloride	0.538	0.506		-5.95	20
trans-1,2-Dichloroethene	0.491	0.511		4.07	20
1,1-Dichloroethane	0.796	0.814	0.1	2.26	20
Cyclohexane	0.696	0.644		-7.47	20
2-Butanone	0.122	0.124		1.64	20
Carbon Tetrachloride	0.493	0.528		7.1	20
cis-1,2-Dichloroethene	0.567	0.623		9.88	20
Bromochloromethane	0.297	0.248		-16.5	20
Chloroform	0.875	0.933		6.63	20
1,1,1-Trichloroethane	0.795	0.836		5.16	20
Methylcyclohexane	0.530	0.561		5.85	20
Benzene	1.288	1.380		7.14	20
1,2-Dichloroethane	0.332	0.338		1.81	20
Trichloroethene	0.377	0.413		9.55	20
1,2-Dichloropropane	0.285	0.304		6.67	20
Bromodichloromethane	0.453	0.497		9.71	20
4-Methyl-2-Pentanone	0.166	0.181		9.04	20
Toluene	0.836	0.928		11.01	20
t-1,3-Dichloropropene	0.394	0.436		10.66	20
cis-1,3-Dichloropropene	0.465	0.520		11.83	20
1,1,2-Trichloroethane	0.242	0.275		13.64	20
2-Hexanone	0.119	0.131		10.08	20
Dibromochloromethane	0.339	0.389		14.75	20
1,2-Dibromoethane	0.231	0.263		13.85	20
Tetrachloroethene	0.516	0.576		11.63	20
Chlorobenzene	1.087	1.224	0.3	12.6	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>Q3413</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/24/2025</u> <u>08:56</u>
Lab File ID:	<u>VY023559.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.991		13.13	20
m/p-Xylenes	0.706	0.816		15.58	20
o-Xylene	0.662	0.779		17.67	20
Styrene	1.089	1.285		18	20
Bromoform	0.240	0.278	0.1	15.83	20
Isopropylbenzene	3.295	3.754		13.93	20
1,1,2,2-Tetrachloroethane	0.539	0.600	0.3	11.32	20
1,3-Dichlorobenzene	1.706	1.896		11.14	20
1,4-Dichlorobenzene	1.685	1.876		11.34	20
1,2-Dichlorobenzene	1.496	1.689		12.9	20
1,2-Dibromo-3-Chloropropane	0.088	0.093		5.68	20
1,2,4-Trichlorobenzene	0.932	1.065		14.27	20
1,2,3-Trichlorobenzene	0.808	0.912		12.87	20
1,2-Dichloroethane-d4	0.418	0.374		-10.53	20
Dibromofluoromethane	0.307	0.304		-0.98	20
Toluene-d8	1.144	1.115		-2.54	20
4-Bromofluorobenzene	0.378	0.376		-0.53	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>Q3413</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/24/2025</u> <u>19:06</u>
Lab File ID:	<u>VY023583.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.285		-20.83	50
Chloromethane	0.490	0.394	0.1	-19.59	50
Vinyl Chloride	0.639	0.539		-15.65	50
Bromomethane	0.536	0.462		-13.81	50
Chloroethane	0.435	0.394		-9.43	50
Trichlorofluoromethane	0.887	0.797		-10.15	50
1,1,2-Trichlorotrifluoroethane	0.460	0.447		-2.83	50
1,1-Dichloroethene	0.446	0.430		-3.59	50
Acetone	0.100	0.074		-26	50
Carbon Disulfide	1.277	1.114		-12.76	50
Methyl tert-butyl Ether	1.072	1.114		3.92	50
Methyl Acetate	0.261	0.325		24.52	50
Methylene Chloride	0.538	0.509		-5.39	50
trans-1,2-Dichloroethene	0.491	0.500		1.83	50
1,1-Dichloroethane	0.796	0.793	0.1	-0.38	50
Cyclohexane	0.696	0.608		-12.64	50
2-Butanone	0.122	0.106		-13.11	50
Carbon Tetrachloride	0.493	0.504		2.23	50
cis-1,2-Dichloroethene	0.567	0.605		6.7	50
Bromochloromethane	0.297	0.261		-12.12	50
Chloroform	0.875	0.915		4.57	50
1,1,1-Trichloroethane	0.795	0.815		2.52	50
Methylcyclohexane	0.530	0.521		-1.7	50
Benzene	1.288	1.333		3.49	50
1,2-Dichloroethane	0.332	0.332		0	50
Trichloroethene	0.377	0.395		4.78	50
1,2-Dichloropropane	0.285	0.298		4.56	50
Bromodichloromethane	0.453	0.482		6.4	50
4-Methyl-2-Pentanone	0.166	0.170		2.41	50
Toluene	0.836	0.897		7.3	50
t-1,3-Dichloropropene	0.394	0.409		3.81	50
cis-1,3-Dichloropropene	0.465	0.485		4.3	50
1,1,2-Trichloroethane	0.242	0.264		9.09	50
2-Hexanone	0.119	0.115		-3.36	50
Dibromochloromethane	0.339	0.375		10.62	50
1,2-Dibromoethane	0.231	0.251		8.66	50
Tetrachloroethene	0.516	0.567		9.88	50
Chlorobenzene	1.087	1.141	0.3	4.97	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>Q3413</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/24/2025</u> <u>19:06</u>
Lab File ID:	<u>VY023583.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.865		5.97	50
m/p-Xylenes	0.706	0.753		6.66	50
o-Xylene	0.662	0.715		8.01	50
Styrene	1.089	1.196		9.83	50
Bromoform	0.240	0.256	0.1	6.67	50
Isopropylbenzene	3.295	3.440		4.4	50
1,1,2,2-Tetrachloroethane	0.539	0.541	0.3	0.37	50
1,3-Dichlorobenzene	1.706	1.741		2.05	50
1,4-Dichlorobenzene	1.685	1.692		0.41	50
1,2-Dichlorobenzene	1.496	1.536		2.67	50
1,2-Dibromo-3-Chloropropane	0.088	0.082		-6.82	50
1,2,4-Trichlorobenzene	0.932	0.908		-2.58	50
1,2,3-Trichlorobenzene	0.808	0.780		-3.46	50
1,2-Dichloroethane-d4	0.418	0.388		-7.18	50
Dibromofluoromethane	0.307	0.308		0.33	50
Toluene-d8	1.144	1.127		-1.49	50
4-Bromofluorobenzene	0.378	0.380		0.53	50

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



SHIPPING DOCUMENTS

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Chemtech Project Number:

Q3413

COC Number:

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PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage

PROJECT #: 112G08005-WE13 LOCATION: VPB-184

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BILLING INFORMATION

BILL TO: SEE CONTRACT

PO#

ADDRESS:

CITY:

STATE: ZIP:

ATTENTION:

PHONE:

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*

HARD COPY: 2 & 10 DAYS*

EDD 2 & 10 DAYS*

* TO BE APPROVED BY CHEMTECH

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ 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

ANALYSIS

VOC(SW846-8260B)

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		A									
1.	BP-VPB-184-TB-20251017	QA		X	10/17/25	9:00	2	2									Trip Blank
2.	BP-VPB-184-GW-980-982	AQ		X	10/17/25	10:05	6	6									
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION 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 3.1C MeOH extraction requires an additional 4oz. Jar for percent solid Cooler?: Comments: 2 Day TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list 10-DAY TAT - For 1,4 Dioxane (8270 SIM)
1.	10-20-2025 1450	1.	
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.	10-20-2025 1754	3.	

Page 1 of 1

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.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3413	TETR06	Order Date : 10/21/2025 10:51:00 AM	Project Mgr :
Client Name : Tetra Tech NUS, Inc.		Project Name : NWIRP Bethpage 112G080	Report Type : Level 4
Client Contact : Ernie Wu		Receive DateTime : 10/20/2025 5:54:00 PM	EDD Type : ADAPT
Invoice Name : Tetra Tech NUS, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Ernie Wu			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3413-01	BP-VPB-184-GW-980-982	Solid	10/17/2025	10:05					
					VOC-TCLVOA-10		8260D	2 Bus. Days	
Q3413-02	BP-VPB-184-TB-20251017	Water	10/17/2025	09:00					
					VOC-TCLVOA-10		8260-Low	2 Bus. Days	

Relinquished By :

Date / Time :


10/21/25 1120

Received By :

Date / Time :


10/21/25 1120

Storage Area : VOA Refridgerator Room