

LAB CHRONICLE

OrderID:	Q3246	OrderDate:	9/29/2025 4:03:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3246-01	BP-VPB-184-TB-2025 0925	Water			09/25/25			09/29/25
			VOC-TCLVOA-10	8260-Low			10/02/25	
Q3246-02	BP-VPB-184-GW-460- 462	Water			09/25/25			09/29/25
			VOC-TCLVOA-10	8260-Low			10/02/25	
Q3246-03	BP-VPB-184-GW-480- 482	Water			09/25/25			09/29/25
			VOC-TCLVOA-10	8260-Low			10/02/25	
Q3246-04	BP-VPB-184-GW-500- 502	Water			09/25/25			09/29/25
			VOC-TCLVOA-10	8260-Low			10/02/25	
Q3246-05	BP-VPB-184-DUP-202 50925	Water			09/25/25			09/29/25
			VOC-TCLVOA-10	8260-Low			10/02/25	
Q3246-06	BP-VPB-184-GW-520- 522	Water			09/29/25			09/29/25
			VOC-TCLVOA-10	8260-Low			10/02/25	
Q3246-07	BP-VPB-184-GW-540- 542	Water			09/29/25			09/29/25
			VOC-TCLVOA-10	8260-Low			10/02/25	

Hit Summary Sheet
SW-846

SDG No.: Q3246
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: Q3246-02	BP-VPB-184-GW-460-462 BP-VPB-184-GW-4 Water	Acetone		5.00		1.50	3.80	5.00	ug/L
		Total Voc :		5.00					
		Total Concentration:		5.00					
Client ID: Q3246-03	BP-VPB-184-GW-480-482 BP-VPB-184-GW-4 Water	Chloromethane		0.32	J	0.32	0.50	1.00	ug/L
Q3246-03	BP-VPB-184-GW-4 Water	Acetone		4.00	J	1.50	3.80	5.00	ug/L
Q3246-03	BP-VPB-184-GW-4 Water	Carbon Disulfide		0.57	J	0.21	0.75	1.00	ug/L
		Total Voc :		4.89					
		Total Concentration:		4.89					
Client ID: Q3246-04	BP-VPB-184-GW-500-502 BP-VPB-184-GW-5 Water	Chloromethane		0.67	J	0.32	0.50	1.00	ug/L
Q3246-04	BP-VPB-184-GW-5 Water	Acetone		10.8		1.50	3.80	5.00	ug/L
Q3246-04	BP-VPB-184-GW-5 Water	2-Butanone		2.20	J	0.98	2.50	5.00	ug/L
		Total Voc :		13.7					
		Total Concentration:		13.7					
Client ID: Q3246-05	BP-VPB-184-DUP-20250925 BP-VPB-184-DUP- Water	Acetone		4.10	J	1.50	3.80	5.00	ug/L
		Total Voc :		4.10					
		Total Concentration:		4.10					
Client ID: Q3246-06	BP-VPB-184-GW-520-522 BP-VPB-184-GW-5 Water	Acetone		4.90	J	1.50	3.80	5.00	ug/L
		Total Voc :		4.90					
		Total Concentration:		4.90					
Client ID: Q3246-07	BP-VPB-184-GW-540-542 BP-VPB-184-GW-5 Water	Chloromethane		0.47	J	0.32	0.50	1.00	ug/L
Q3246-07	BP-VPB-184-GW-5 Water	Acetone		7.30		1.50	3.80	5.00	ug/L
Q3246-07	BP-VPB-184-GW-5 Water	Methyl tert-butyl Ether		3.70		0.16	0.50	1.00	ug/L
		Total Voc :		11.5					
		Total Concentration:		11.5					



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-TB-20250925		SDG No.:	Q3246	
Lab Sample ID:	Q3246-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047959.D	1	10/02/25 12:05	VX100225

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/25/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/29/25
Client Sample ID:	BP-VPB-184-TB-20250925	SDG No.:	Q3246
Lab Sample ID:	Q3246-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047959.D	1	10/02/25 12:05	VX100225

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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25
Client Sample ID:	BP-VPB-184-TB-20250925		SDG No.:	Q3246
Lab Sample ID:	Q3246-01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047959.D	1	10/02/25 12:05	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-460-462		SDG No.:	Q3246	
Lab Sample ID:	Q3246-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047957.D	1	10/02/25 11:24	VX100225

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	09/25/25
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	09/29/25
Client Sample ID:	BP-VPB-184-GW-460-462			SDG No.:	Q3246
Lab Sample ID:	Q3246-02			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047957.D	1	10/02/25 11:24	VX100225

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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-460-462		SDG No.:	Q3246	
Lab Sample ID:	Q3246-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047957.D	1	10/02/25 11:24	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
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J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-480-482		SDG No.:	Q3246	
Lab Sample ID:	Q3246-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047960.D	1	10/02/25 12:26	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.32	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.00	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.57	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/25/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/29/25
Client Sample ID:	BP-VPB-184-GW-480-482	SDG No.:	Q3246
Lab Sample ID:	Q3246-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047960.D	1	10/02/25 12:26	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.8		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	162000	5.544				
540-36-3	1,4-Difluorobenzene	334000	6.751				
3114-55-4	Chlorobenzene-d5	337000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	169000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-480-482		SDG No.:	Q3246	
Lab Sample ID:	Q3246-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047960.D	1	10/02/25 12:26	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-500-502		SDG No.:	Q3246	
Lab Sample ID:	Q3246-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047961.D	1	10/02/25 12:46	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.67	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	10.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.20	J	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/25/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/29/25
Client Sample ID:	BP-VPB-184-GW-500-502	SDG No.:	Q3246
Lab Sample ID:	Q3246-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047961.D	1	10/02/25 12:46	VX100225

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-500-502		SDG No.:	Q3246	
Lab Sample ID:	Q3246-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047961.D	1	10/02/25 12:46	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-DUP-20250925		SDG No.:	Q3246	
Lab Sample ID:	Q3246-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047962.D	1	10/02/25 13:07	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.10	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	09/25/25
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	09/29/25
Client Sample ID:	BP-VPB-184-DUP-20250925			SDG No.:	Q3246
Lab Sample ID:	Q3246-05			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047962.D	1	10/02/25 13:07	VX100225

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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/25/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-DUP-20250925		SDG No.:	Q3246	
Lab Sample ID:	Q3246-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047962.D	1	10/02/25 13:07	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/29/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-520-522		SDG No.:	Q3246	
Lab Sample ID:	Q3246-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047963.D	1	10/02/25 13:27	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.90	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/29/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/29/25
Client Sample ID:	BP-VPB-184-GW-520-522	SDG No.:	Q3246
Lab Sample ID:	Q3246-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047963.D	1	10/02/25 13:27	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.8		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	152000	5.543				
540-36-3	1,4-Difluorobenzene	317000	6.75				
3114-55-4	Chlorobenzene-d5	332000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	167000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/29/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-520-522		SDG No.:	Q3246	
Lab Sample ID:	Q3246-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047963.D	1	10/02/25 13:27	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/29/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-540-542		SDG No.:	Q3246	
Lab Sample ID:	Q3246-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047964.D	1	10/02/25 13:48	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.47	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	7.30		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	3.70		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	09/29/25
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	09/29/25
Client Sample ID:	BP-VPB-184-GW-540-542			SDG No.:	Q3246
Lab Sample ID:	Q3246-07			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047964.D	1	10/02/25 13:48	VX100225

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/29/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25	
Client Sample ID:	BP-VPB-184-GW-540-542		SDG No.:	Q3246	
Lab Sample ID:	Q3246-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047964.D	1	10/02/25 13:48	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3246**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3246-01	BP-VPB-184-TB-20250925	1,2-Dichloroethane-d4	50	49.9	100		81	118
		Dibromofluoromethane	50	48.8	98		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	54.8	110		85	114
Q3246-02	BP-VPB-184-GW-460-462	1,2-Dichloroethane-d4	50	47.1	94		81	118
		Dibromofluoromethane	50	47.7	95		80	119
		Toluene-d8	50	47.4	95		89	112
		4-Bromofluorobenzene	50	51.6	103		85	114
Q3246-03	BP-VPB-184-GW-480-482	1,2-Dichloroethane-d4	50	50.8	102		81	118
		Dibromofluoromethane	50	48.5	97		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	55.2	110		85	114
Q3246-04	BP-VPB-184-GW-500-502	1,2-Dichloroethane-d4	50	54.7	109		81	118
		Dibromofluoromethane	50	50.2	100		80	119
		Toluene-d8	50	49.1	98		89	112
		4-Bromofluorobenzene	50	56.6	113		85	114
Q3246-05	BP-VPB-184-DUP-20250925	1,2-Dichloroethane-d4	50	54.8	110		81	118
		Dibromofluoromethane	50	49.7	99		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	56.4	113		85	114
Q3246-06	BP-VPB-184-GW-520-522	1,2-Dichloroethane-d4	50	53.8	108		81	118
		Dibromofluoromethane	50	49.5	99		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	56.3	113		85	114
Q3246-07	BP-VPB-184-GW-540-542	1,2-Dichloroethane-d4	50	53.2	106		81	118
		Dibromofluoromethane	50	48.8	98		80	119
		Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	55.0	110		85	114
VX1002WBL01	VX1002WBL01	1,2-Dichloroethane-d4	50	53.9	108		81	118
		Dibromofluoromethane	50	50.6	101		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	56.7	113		85	114
VX1002WBS01	VX1002WBS01	1,2-Dichloroethane-d4	50	46.4	93		81	118
		Dibromofluoromethane	50	51.8	104		80	119
		Toluene-d8	50	52.5	105		89	112
		4-Bromofluorobenzene	50	52.0	104		85	114
VX1002WBSD0	VX1002WBSD01	1,2-Dichloroethane-d4	50	46.8	94		81	118
		Dibromofluoromethane	50	52.2	104		80	119
		Toluene-d8	50	51.8	104		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3246</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047956.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1002WBS01	Dichlorodifluoromethane	20	19.3	ug/L	97			32	152	
	Chloromethane	20	15.7	ug/L	79			50	139	
	Vinyl chloride	20	17.6	ug/L	88			58	137	
	Bromomethane	20	19.0	ug/L	95			53	141	
	Chloroethane	20	17.5	ug/L	88			60	138	
	Trichlorofluoromethane	20	19.0	ug/L	95			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99			70	136	
	1,1-Dichloroethene	20	17.4	ug/L	87			71	131	
	Acetone	100	70.9	ug/L	71			39	160	
	Carbon disulfide	20	16.2	ug/L	81			64	133	
	Methyl tert-butyl Ether	20	15.7	ug/L	79			71	124	
	Methyl Acetate	20	15.5	ug/L	78			56	136	
	Methylene Chloride	20	16.8	ug/L	84			74	124	
	trans-1,2-Dichloroethene	20	17.3	ug/L	86			75	124	
	1,1-Dichloroethane	20	17.4	ug/L	87			77	125	
	Cyclohexane	20	17.6	ug/L	88			71	130	
	2-Butanone	100	69.4	ug/L	69			56	143	
	Carbon Tetrachloride	20	18.8	ug/L	94			72	136	
	cis-1,2-Dichloroethene	20	16.9	ug/L	85			78	123	
	Bromochloromethane	20	19.6	ug/L	98			78	123	
	Chloroform	20	18.1	ug/L	91			79	124	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			74	131	
	Methylcyclohexane	20	18.2	ug/L	91			72	132	
	Benzene	20	18.3	ug/L	92			79	120	
	1,2-Dichloroethane	20	17.3	ug/L	86			73	128	
	Trichloroethene	20	18.3	ug/L	92			79	123	
	1,2-Dichloropropane	20	18.0	ug/L	90			78	122	
	Bromodichloromethane	20	18.4	ug/L	92			79	125	
	4-Methyl-2-Pentanone	100	77.3	ug/L	77			67	130	
	Toluene	20	18.3	ug/L	92			80	121	
	t-1,3-Dichloropropene	20	17.3	ug/L	86			73	127	
	cis-1,3-Dichloropropene	20	17.9	ug/L	90			75	124	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			80	119	
	2-Hexanone	100	74.2	ug/L	74			57	139	
	Dibromochloromethane	20	18.4	ug/L	92			74	126	
	1,2-Dibromoethane	20	17.7	ug/L	89			77	121	
	Tetrachloroethene	20	18.8	ug/L	94			74	129	
	Chlorobenzene	20	18.4	ug/L	92			82	118	
	Ethyl Benzene	20	18.1	ug/L	91			79	121	
	m/p-Xylenes	40	37.1	ug/L	93			80	121	
	o-Xylene	20	18.1	ug/L	91			78	122	
	Styrene	20	18.0	ug/L	90			78	123	
	Bromoform	20	17.8	ug/L	89			66	130	
	Isopropylbenzene	20	17.5	ug/L	88			72	131	
	1,1,2,2-Tetrachloroethane	20	16.1	ug/L	81			71	121	
	1,3-Dichlorobenzene	20	17.6	ug/L	88			80	119	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			79	118	
	1,2-Dichlorobenzene	20	17.0	ug/L	85			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3246</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047956.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1002WBS01	1,2-Dibromo-3-Chloropropane	20	13.4	ug/L	67			62	128	
	1,2,4-Trichlorobenzene	20	15.5	ug/L	78			69	130	
	1,2,3-Trichlorobenzene	20	15.7	ug/L	79			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:		Q3246	SW-846		Analytical Method:		SW8260-Low
Client:		Tetra Tech NUS, Inc.	Datafile :		VX047958.D		

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1002WBSD01	Dichlorodifluoromethane	20	20.0	ug/L	100	3		32	152	20
	Chloromethane	20	16.5	ug/L	83	5		50	139	20
	Vinyl chloride	20	19.0	ug/L	95	8		58	137	20
	Bromomethane	20	19.4	ug/L	97	2		53	141	20
	Chloroethane	20	18.9	ug/L	95	8		60	138	20
	Trichlorofluoromethane	20	19.8	ug/L	99	4		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101	2		70	136	20
	1,1-Dichloroethene	20	18.4	ug/L	92	6		71	131	20
	Acetone	100	73.6	ug/L	74	4		39	160	20
	Carbon disulfide	20	17.2	ug/L	86	6		64	133	20
	Methyl tert-butyl Ether	20	17.2	ug/L	86	8		71	124	20
	Methyl Acetate	20	17.1	ug/L	86	10		56	136	20
	Methylene Chloride	20	18.0	ug/L	90	7		74	124	20
	trans-1,2-Dichloroethene	20	18.3	ug/L	92	7		75	124	20
	1,1-Dichloroethane	20	18.8	ug/L	94	8		77	125	20
	Cyclohexane	20	17.8	ug/L	89	1		71	130	20
	2-Butanone	100	78.6	ug/L	79	14		56	143	20
	Carbon Tetrachloride	20	20.3	ug/L	102	8		72	136	20
	cis-1,2-Dichloroethene	20	18.8	ug/L	94	10		78	123	20
	Bromochloromethane	20	21.9	ug/L	110	12		78	123	20
	Chloroform	20	18.9	ug/L	95	4		79	124	20
	1,1,1-Trichloroethane	20	19.3	ug/L	97	6		74	131	20
	Methylcyclohexane	20	18.7	ug/L	94	3		72	132	20
	Benzene	20	19.4	ug/L	97	5		79	120	20
	1,2-Dichloroethane	20	18.9	ug/L	95	10		73	128	20
	Trichloroethene	20	19.9	ug/L	100	8		79	123	20
	1,2-Dichloropropane	20	20.1	ug/L	101	12		78	122	20
	Bromodichloromethane	20	19.8	ug/L	99	7		79	125	20
	4-Methyl-2-Pentanone	100	89.4	ug/L	89	14		67	130	20
	Toluene	20	19.7	ug/L	99	7		80	121	20
	t-1,3-Dichloropropene	20	18.7	ug/L	94	9		73	127	20
	cis-1,3-Dichloropropene	20	19.2	ug/L	96	6		75	124	20
	1,1,2-Trichloroethane	20	20.3	ug/L	102	13		80	119	20
	2-Hexanone	100	85.0	ug/L	85	14		57	139	20
	Dibromochloromethane	20	20.3	ug/L	102	10		74	126	20
	1,2-Dibromoethane	20	19.5	ug/L	98	10		77	121	20
	Tetrachloroethene	20	20.1	ug/L	101	7		74	129	20
	Chlorobenzene	20	19.8	ug/L	99	7		82	118	20
	Ethyl Benzene	20	19.5	ug/L	98	7		79	121	20
	m/p-Xylenes	40	39.4	ug/L	99	6		80	121	20
	o-Xylene	20	19.5	ug/L	98	7		78	122	20
	Styrene	20	19.5	ug/L	98	9		78	123	20
	Bromoform	20	19.3	ug/L	97	9		66	130	20
	Isopropylbenzene	20	18.7	ug/L	94	7		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.2	ug/L	91	12		71	121	20
	1,3-Dichlorobenzene	20	18.5	ug/L	93	6		80	119	20
	1,4-Dichlorobenzene	20	18.4	ug/L	92	4		79	118	20
	1,2-Dichlorobenzene	20	18.7	ug/L	94	10		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3246</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047958.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1002WBSD01	1,2-Dibromo-3-Chloropropane	20	15.2	ug/L	76	13		62	128	20
	1,2,4-Trichlorobenzene	20	16.5	ug/L	83	6		69	130	20
	1,2,3-Trichlorobenzene	20	16.9	ug/L	85	7		69	129	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1002WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3246

Lab File ID: VX047955.D

Lab Sample ID: VX1002WBL01

Date Analyzed: 10/02/2025

Time Analyzed: 10:09

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
VX1002WBS01	VX1002WBS01	VX047956.D	10/02/2025
BP-VPB-184-GW-460-462	Q3246-02	VX047957.D	10/02/2025
VX1002WBSD01	VX1002WBSD01	VX047958.D	10/02/2025
BP-VPB-184-TB-20250925	Q3246-01	VX047959.D	10/02/2025
BP-VPB-184-GW-480-482	Q3246-03	VX047960.D	10/02/2025
BP-VPB-184-GW-500-502	Q3246-04	VX047961.D	10/02/2025
BP-VPB-184-DUP-20250925	Q3246-05	VX047962.D	10/02/2025
BP-VPB-184-GW-520-522	Q3246-06	VX047963.D	10/02/2025
BP-VPB-184-GW-540-542	Q3246-07	VX047964.D	10/02/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX047584.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: TETR06
SDG NO.: Q3246
BFB Injection Date: 09/16/2025
BFB Injection Time: 08:56
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 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	VX047585.D	09/16/2025	09:23
VSTDIC005	VSTDIC005	VX047586.D	09/16/2025	10:16
VSTDIC020	VSTDIC020	VX047587.D	09/16/2025	10:37
VSTDIC050	VSTDIC050	VX047588.D	09/16/2025	10:58
VSTDIC100	VSTDIC100	VX047589.D	09/16/2025	11:40
VSTDIC150	VSTDIC150	VX047590.D	09/16/2025	12:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3246

Lab File ID: VX047952.D

BFB Injection Date: 10/02/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:18

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.8) 1
174	50.0 - 100.0% of mass 95	68.6
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	65.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.6 (7) 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	VX047953.D	10/02/2025	08:50
VX1002WBL01	VX1002WBL01	VX047955.D	10/02/2025	10:09
VX1002WBS01	VX1002WBS01	VX047956.D	10/02/2025	11:04
BP-VPB-184-GW-460-462	Q3246-02	VX047957.D	10/02/2025	11:24
VX1002WBSD01	VX1002WBSD01	VX047958.D	10/02/2025	11:45
BP-VPB-184-TB-20250925	Q3246-01	VX047959.D	10/02/2025	12:05
BP-VPB-184-GW-480-482	Q3246-03	VX047960.D	10/02/2025	12:26
BP-VPB-184-GW-500-502	Q3246-04	VX047961.D	10/02/2025	12:46
BP-VPB-184-DUP-20250925	Q3246-05	VX047962.D	10/02/2025	13:07
BP-VPB-184-GW-520-522	Q3246-06	VX047963.D	10/02/2025	13:27
BP-VPB-184-GW-540-542	Q3246-07	VX047964.D	10/02/2025	13:48
VSTDCCC050EC	VSTDCCC050	VX047979.D	10/02/2025	18:58

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3246
Lab File ID: VX047953.D Date Analyzed: 10/02/2025
Instrument ID: MSVOA_X Time Analyzed: 08:50
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	140837	5.53	255190	6.74	226757	10.04
UPPER LIMIT	281674	6.032	510380	7.239	453514	10.537
LOWER LIMIT	70418.5	5.032	127595	6.239	113379	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20250925	174165	5.54	359369	6.75	363916	10.04
BP-VPB-184-GW-460-462	127914	5.54	256538	6.75	255834	10.04
BP-VPB-184-GW-480-482	162247	5.54	333521	6.75	336858	10.04
BP-VPB-184-GW-500-502	143047	5.54	293439	6.75	309899	10.04
BP-VPB-184-DUP-20250925	135174	5.54	286335	6.75	299172	10.04
BP-VPB-184-GW-520-522	151967	5.54	317249	6.75	332386	10.04
BP-VPB-184-GW-540-542	131720	5.54	271856	6.75	280780	10.04
VX1002WBL01	148697	5.53	307294	6.75	316597	10.04
VX1002WBS01	151041	5.54	257081	6.75	229930	10.04
VX1002WBSD01	152089	5.54	257772	6.75	231464	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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3246</u>
Lab File ID:	<u>VX047953.D</u>	Date Analyzed:	<u>10/02/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:50</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	107762	12				
UPPER LIMIT	215524	12.5				
LOWER LIMIT	53881	11.5				
EPA SAMPLE NO.						
BP-VPB-184-TB-20250925	177276	12.01				
BP-VPB-184-GW-460-462	122681	12.01				
BP-VPB-184-GW-480-482	168922	12.01				
BP-VPB-184-GW-500-502	156960	12.01				
BP-VPB-184-DUP-20250925	150587	12.01				
BP-VPB-184-GW-520-522	167184	12.01				
BP-VPB-184-GW-540-542	143261	12.01				
VX1002WBL01	160196	12.01				
VX1002WBS01	117908	12.01				
VX1002WBSD01	118503	12.01				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX1002WBL01		SDG No.:	Q3246
Lab Sample ID:	VX1002WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047955.D	1	10/02/25 10:09	VX100225

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX1002WBL01		SDG No.:	Q3246
Lab Sample ID:	VX1002WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047955.D	1	10/02/25 10:09	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	149000	5.531				
540-36-3	1,4-Difluorobenzene	307000	6.745				
3114-55-4	Chlorobenzene-d5	317000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	160000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX1002WBL01		SDG No.:	Q3246
Lab Sample ID:	VX1002WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047955.D	1	10/02/25 10:09	VX100225

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX1002WBS01		SDG No.:	Q3246
Lab Sample ID:	VX1002WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047956.D	1	10/02/25 11:04	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	15.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.23	0.75	1.00	ug/L
67-64-1	Acetone	70.9		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	15.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	15.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	16.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.3		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	69.4		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	16.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.1		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.3		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.0		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.4		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	77.3		0.68	2.50	5.00	ug/L
108-88-3	Toluene	18.3		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX1002WBS01		SDG No.:	Q3246
Lab Sample ID:	VX1002WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047956.D	1	10/02/25 11:04	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.9		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	74.2		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.1		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	18.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	17.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.5		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	16.1		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	13.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.5		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.4		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.5		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151000	5.537				
540-36-3	1,4-Difluorobenzene	257000	6.745				
3114-55-4	Chlorobenzene-d5	230000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX1002WBS01		SDG No.:	Q3246
Lab Sample ID:	VX1002WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047956.D	1	10/02/25 11:04	VX100225

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX1002WBSD01		SDG No.:	Q3246
Lab Sample ID:	VX1002WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047958.D	1	10/02/25 11:45	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.4		0.23	0.75	1.00	ug/L
67-64-1	Acetone	73.6		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	17.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.8		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	78.6		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.9		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	89.4		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.7		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX1002WBSD01		SDG No.:	Q3246
Lab Sample ID:	VX1002WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047958.D	1	10/02/25 11:45	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	85.0		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.1		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.4		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.3		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.2		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.7		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.2		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.5		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.9		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.8		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	152000	5.544				
540-36-3	1,4-Difluorobenzene	258000	6.745				
3114-55-4	Chlorobenzene-d5	231000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	119000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX1002WBSD01		SDG No.:	Q3246
Lab Sample ID:	VX1002WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047958.D	1	10/02/25 11:45	VX100225

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

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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3246</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

LAB FILE ID:		RRF001 = VX047585.D		RRF005 = VX047586.D		RRF020 = VX047587.D		
		RRF050 = VX047588.D		RRF100 = VX047589.D		RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3246</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u> ID: <u>0.18</u> (mm)		

LAB FILE ID:		RRF001 = VX047585.D		RRF005 = VX047586.D		RRF020 = VX047587.D		
		RRF050 = VX047588.D		RRF100 = VX047589.D		RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

* 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>Q3246</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/02/2025 08:50</u>
Lab File ID:	<u>VX047953.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.607		17.18	20
Chloromethane	0.680	0.738	0.1	8.53	20
Vinyl Chloride	0.666	0.774		16.22	20
Bromomethane	0.422	0.529		25.35	20
Chloroethane	0.445	0.513		15.28	20
Trichlorofluoromethane	0.989	1.180		19.31	20
1,1,2-Trichlorotrifluoroethane	0.578	0.646		11.77	20
1,1-Dichloroethene	0.594	0.675		13.64	20
Acetone	0.346	0.274		-20.81	20
Carbon Disulfide	1.626	1.707		4.98	20
Methyl tert-butyl Ether	2.169	2.401		10.7	20
Methyl Acetate	0.770	0.848		10.13	20
Methylene Chloride	0.732	0.839		14.62	20
trans-1,2-Dichloroethene	0.640	0.711		11.09	20
1,1-Dichloroethane	1.263	1.477	0.1	16.94	20
Cyclohexane	1.052	1.032		-1.9	20
2-Butanone	0.432	0.387		-10.42	20
Carbon Tetrachloride	0.532	0.571		7.33	20
cis-1,2-Dichloroethene	0.783	0.887		13.28	20
Bromochloromethane	0.551	0.627		13.79	20
Chloroform	1.276	1.505		17.95	20
1,1,1-Trichloroethane	1.082	1.237		14.32	20
Methylcyclohexane	0.556	0.506		-8.99	20
Benzene	1.488	1.617		8.67	20
1,2-Dichloroethane	0.566	0.622		9.89	20
Trichloroethene	0.360	0.385		6.94	20
1,2-Dichloropropane	0.381	0.427		12.07	20
Bromodichloromethane	0.572	0.652		13.99	20
4-Methyl-2-Pentanone	0.477	0.456		-4.4	20
Toluene	0.917	0.976		6.43	20
t-1,3-Dichloropropene	0.584	0.570		-2.4	20
cis-1,3-Dichloropropene	0.624	0.626		0.32	20
1,1,2-Trichloroethane	0.354	0.383		8.19	20
2-Hexanone	0.343	0.298		-13.12	20
Dibromochloromethane	0.407	0.471		15.73	20
1,2-Dibromoethane	0.360	0.384		6.67	20
Tetrachloroethene	0.326	0.351		7.67	20
Chlorobenzene	1.136	1.219	0.3	7.31	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>Q3246</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/02/2025</u> <u>08:50</u>
Lab File ID:	<u>VX047953.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.066		5.41	20
m/p-Xylenes	0.729	0.771		5.76	20
o-Xylene	0.706	0.750		6.23	20
Styrene	1.236	1.323		7.04	20
Bromoform	0.293	0.312	0.1	6.49	20
Isopropylbenzene	3.801	3.997		5.16	20
1,1,2,2-Tetrachloroethane	1.150	1.175	0.3	2.17	20
1,3-Dichlorobenzene	1.739	1.803		3.68	20
1,4-Dichlorobenzene	1.785	1.819		1.9	20
1,2-Dichlorobenzene	1.657	1.757		6.03	20
1,2-Dibromo-3-Chloropropane	0.233	0.205		-12.02	20
1,2,4-Trichlorobenzene	1.077	0.986		-8.45	20
1,2,3-Trichlorobenzene	1.002	0.942		-5.99	20
1,2-Dichloroethane-d4	0.796	0.847		6.41	20
Dibromofluoromethane	0.335	0.369		10.15	20
Toluene-d8	1.160	1.220		5.17	20
4-Bromofluorobenzene	0.440	0.443		0.68	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>Q3246</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/02/2025 18:58</u>
Lab File ID:	<u>VX047979.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.504		-2.7	50
Chloromethane	0.680	0.565	0.1	-16.91	50
Vinyl Chloride	0.666	0.606		-9.01	50
Bromomethane	0.422	0.397		-5.92	50
Chloroethane	0.445	0.403		-9.44	50
Trichlorofluoromethane	0.989	0.943		-4.65	50
1,1,2-Trichlorotrifluoroethane	0.578	0.576		-0.35	50
1,1-Dichloroethene	0.594	0.555		-6.57	50
Acetone	0.346	0.233		-32.66	50
Carbon Disulfide	1.626	1.369		-15.81	50
Methyl tert-butyl Ether	2.169	1.936		-10.74	50
Methyl Acetate	0.770	0.739		-4.03	50
Methylene Chloride	0.732	0.653		-10.79	50
trans-1,2-Dichloroethene	0.640	0.580		-9.38	50
1,1-Dichloroethane	1.263	1.188	0.1	-5.94	50
Cyclohexane	1.052	0.923		-12.26	50
2-Butanone	0.432	0.356		-17.59	50
Carbon Tetrachloride	0.532	0.512		-3.76	50
cis-1,2-Dichloroethene	0.783	0.717		-8.43	50
Bromochloromethane	0.551	0.552		0.18	50
Chloroform	1.276	1.229		-3.68	50
1,1,1-Trichloroethane	1.082	1.053		-2.68	50
Methylcyclohexane	0.556	0.527		-5.22	50
Benzene	1.488	1.435		-3.56	50
1,2-Dichloroethane	0.566	0.530		-6.36	50
Trichloroethene	0.360	0.351		-2.5	50
1,2-Dichloropropane	0.381	0.380		-0.26	50
Bromodichloromethane	0.572	0.568		-0.7	50
4-Methyl-2-Pentanone	0.477	0.455		-4.61	50
Toluene	0.917	0.896		-2.29	50
t-1,3-Dichloropropene	0.584	0.560		-4.11	50
cis-1,3-Dichloropropene	0.624	0.603		-3.37	50
1,1,2-Trichloroethane	0.354	0.355		0.28	50
2-Hexanone	0.343	0.312		-9.04	50
Dibromochloromethane	0.407	0.417		2.46	50
1,2-Dibromoethane	0.360	0.365		1.39	50
Tetrachloroethene	0.326	0.310		-4.91	50
Chlorobenzene	1.136	1.099	0.3	-3.26	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>Q3246</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/02/2025</u> <u>18:58</u>
Lab File ID:	<u>VX047979.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.899		-3.11	50
m/p-Xylenes	0.729	0.712		-2.33	50
o-Xylene	0.706	0.685		-2.97	50
Styrene	1.236	1.215		-1.7	50
Bromoform	0.293	0.285	0.1	-2.73	50
Isopropylbenzene	3.801	3.548		-6.66	50
1,1,2,2-Tetrachloroethane	1.150	1.078	0.3	-6.26	50
1,3-Dichlorobenzene	1.739	1.605		-7.71	50
1,4-Dichlorobenzene	1.785	1.628		-8.8	50
1,2-Dichlorobenzene	1.657	1.520		-8.27	50
1,2-Dibromo-3-Chloropropane	0.233	0.198		-15.02	50
1,2,4-Trichlorobenzene	1.077	0.969		-10.03	50
1,2,3-Trichlorobenzene	1.002	0.923		-7.88	50
1,2-Dichloroethane-d4	0.796	0.736		-7.54	50
Dibromofluoromethane	0.335	0.338		0.9	50
Toluene-d8	1.160	1.196		3.1	50
4-Bromofluorobenzene	0.440	0.452		2.73	50

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