

LAB CHRONICLE

OrderID:	Q3017	OrderDate:	9/4/2025 10:17:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3017-01	BP-TB-20250903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25
Q3017-02	TT-076-IDWGW-2025 0903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25
Q3017-03	TT-077-IDWGW-2025 0903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25
Q3017-04	TT-078-IDWGW-2025 0903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25
Q3017-05	TT-079-IDWGW-2025 0903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25



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

Hit Summary Sheet
SW-846

SDG No.: Q3017
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	TT-076-IDWGW-20250903							
Q3017-02	TT-076-IDWGW-20250903	Water	Trichloroethene	6.70		0.49	5.00	ug/L
			Total Voc :	6.70				
			Total Concentration:	6.70				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	BP-TB-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087718.D	1	09/04/25 13:35	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
67-64-1	Acetone	4.60	U	4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	U	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	BP-TB-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087718.D	1	09/04/25 13:35	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	30.4		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.3		63 - 112	84%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	25000	7.8			
540-36-3	1,4-Difluorobenzene	131000	9.082			
3114-55-4	Chlorobenzene-d5	117000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	BP-TB-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087718.D	1	09/04/25 13:35	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-076-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-02		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087719.D	1	09/04/25 13:56	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
67-64-1	Acetone	4.60	U	4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	U	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	6.70		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-076-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-02		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087719.D	1	09/04/25 13:56	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.8		91 - 110	99%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.4		63 - 112	85%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	31600	7.794			
540-36-3	1,4-Difluorobenzene	160000	9.082			
3114-55-4	Chlorobenzene-d5	142000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-076-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-02		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087719.D	1	09/04/25 13:56	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-077-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-03		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087722.D	1	09/04/25 14:58	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
67-64-1	Acetone	4.60	U	4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	U	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-077-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-03		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087722.D	1	09/04/25 14:58	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.4		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	29.4		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.0		63 - 112	80%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	42000	7.794			
540-36-3	1,4-Difluorobenzene	226000	9.082			
3114-55-4	Chlorobenzene-d5	201000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-077-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-03		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087722.D	1	09/04/25 14:58	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-078-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-04		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087720.D	1	09/04/25 14:16	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
67-64-1	Acetone	4.60	U	4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	U	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-078-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-04		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087720.D	1	09/04/25 14:16	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.2		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	29.4		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.5		63 - 112	85%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	36200	7.8			
540-36-3	1,4-Difluorobenzene	190000	9.082			
3114-55-4	Chlorobenzene-d5	168000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-078-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-04		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087720.D	1	09/04/25 14:16	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-079-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-05		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087721.D	1	09/04/25 14:37	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
67-64-1	Acetone	4.60	U	4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	U	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-079-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-05		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087721.D	1	09/04/25 14:37	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.4		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	30.7		91 - 112	102%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.4		63 - 112	85%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	39100	7.794			
540-36-3	1,4-Difluorobenzene	203000	9.083			
3114-55-4	Chlorobenzene-d5	175000	11.841			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-079-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-05		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087721.D	1	09/04/25 14:37	VN090425

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

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



QC SUMMARY

Surrogate Summary

SDG No.: Q3017

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3017-01	BP-TB-20250903	1,2-Dichloroethane-d4	30	30.0	100		91	110
		Toluene-d8	30	30.4	101		91	112
		4-Bromofluorobenzene	30	25.3	84		63	112
Q3017-02	TT-076-IDWGW-20250903	1,2-Dichloroethane-d4	30	29.8	99		91	110
		Toluene-d8	30	29.5	98		91	112
		4-Bromofluorobenzene	30	25.4	85		63	112
Q3017-03	TT-077-IDWGW-20250903	1,2-Dichloroethane-d4	30	29.4	98		91	110
		Toluene-d8	30	29.4	98		91	112
		4-Bromofluorobenzene	30	24.0	80		63	112
Q3017-04	TT-078-IDWGW-20250903	1,2-Dichloroethane-d4	30	29.2	97		91	110
		Toluene-d8	30	29.4	98		91	112
		4-Bromofluorobenzene	30	25.5	85		63	112
Q3017-05	TT-079-IDWGW-20250903	1,2-Dichloroethane-d4	30	29.4	98		91	110
		Toluene-d8	30	30.7	102		91	112
		4-Bromofluorobenzene	30	25.4	85		63	112
VN0904WBL01	VN0904WBL01	1,2-Dichloroethane-d4	30	30.5	102		91	110
		Toluene-d8	30	30.1	100		91	112
		4-Bromofluorobenzene	30	25.9	86		63	112
VN0904WBS01	VN0904WBS01	1,2-Dichloroethane-d4	30	28.6	95		91	110
		Toluene-d8	30	30.1	100		91	112
		4-Bromofluorobenzene	30	27.6	92		63	112
VN0904WBSD0	VN0904WBSD01	1,2-Dichloroethane-d4	30	27.8	93		91	110
		Toluene-d8	30	29.7	99		91	112
		4-Bromofluorobenzene	30	28.5	95		63	112

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3017	SW-846	Analytical Method:	SW624.1
Client:	Tetra Tech NUS, Inc.	Datafile :	VN087715.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0904WBS01	Dichlorodifluoromethane	20	19.4	ug/L	97			72	118	
	Chloromethane	20	18.8	ug/L	94			1	205	
	Vinyl Chloride	20	20.2	ug/L	101			5	195	
	Bromomethane	20	26.2	ug/L	131			15	185	
	Chloroethane	20	20.8	ug/L	104			40	160	
	Trichlorofluoromethane	20	22.0	ug/L	110			50	150	
	1,1,2-Trichlorotrifluoroethane	20	23.3	ug/L	117			64	127	
	1,1-Dichloroethene	20	22.5	ug/L	113			50	150	
	Acetone	100	100	ug/L	100			41	148	
	Carbon disulfide	20	18.1	ug/L	91			76	107	
	Methyl tert-butyl Ether	20	17.1	ug/L	86			82	114	
	Methyl Acetate	20	21.8	ug/L	109			63	139	
	Methylene Chloride	20	18.9	ug/L	95			60	140	
	trans-1,2-Dichloroethene	20	18.1	ug/L	91			70	130	
	1,1-Dichloroethane	20	18.9	ug/L	95			70	130	
	Cyclohexane	20	17.4	ug/L	87			79	113	
	2-Butanone	100	91.6	ug/L	92			69	129	
	Carbon Tetrachloride	20	19.5	ug/L	98			70	130	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			81	112	
	Chloroform	20	18.9	ug/L	95			70	135	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			70	130	
	Methylcyclohexane	20	17.6	ug/L	88			79	112	
	Benzene	20	19.1	ug/L	96			65	135	
	1,2-Dichloroethane	20	18.3	ug/L	92			70	130	
	Trichloroethene	20	19.3	ug/L	97			65	135	
	1,2-Dichloropropane	20	19.5	ug/L	98			35	165	
	Bromodichloromethane	20	18.9	ug/L	95			65	135	
	4-Methyl-2-Pentanone	100	91.2	ug/L	91			73	131	
	Toluene	20	19.0	ug/L	95			70	130	
	t-1,3-Dichloropropene	20	17.7	ug/L	89			50	150	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			25	175	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			70	130	
	2-Hexanone	100	83.6	ug/L	84			72	128	
	Dibromochloromethane	20	18.8	ug/L	94			70	135	
	1,2-Dibromoethane	20	19.4	ug/L	97			86	114	
	Tetrachloroethene	20	20.2	ug/L	101			70	130	
	Chlorobenzene	20	19.2	ug/L	96			65	135	
	Ethyl Benzene	20	18.4	ug/L	92			60	140	
	m/p-Xylenes	40	37.6	ug/L	94			87	111	
	o-Xylene	20	17.9	ug/L	90			87	111	
	Styrene	20	18.0	ug/L	90			85	106	
	Bromoform	20	18.0	ug/L	90			70	130	
	Isopropylbenzene	20	18.5	ug/L	93			86	112	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			60	140	
	1,3,5-Trimethylbenzene	20	18.3	ug/L	92			66	139	
	1,3-Dichlorobenzene	20	19.4	ug/L	97			70	130	
	1,4-Dichlorobenzene	20	19.7	ug/L	99			65	135	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			65	135	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3017</u>	Analytical Method:	<u>SW624.1</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VN087715.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0904WBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/L	91			69	122	
	1,2,4-Trichlorobenzene	20	18.5	ug/L	93			61	118	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			38	159	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3017	SW-846	Analytical Method:	SW624.1
Client:	Tetra Tech NUS, Inc.	Datafile :	VN087716.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0904WBSD01	Dichlorodifluoromethane	20	20.4	ug/L	102	5		72	118	20
	Chloromethane	20	19.1	ug/L	96	2		1	205	20
	Vinyl Chloride	20	20.8	ug/L	104	3		5	195	20
	Bromomethane	20	26.7	ug/L	134	2		15	185	20
	Chloroethane	20	21.7	ug/L	109	5		40	160	20
	Trichlorofluoromethane	20	22.5	ug/L	113	3		50	150	20
	1,1,2-Trichlorotrifluoroethane	20	25.1	ug/L	126	7		64	127	20
	1,1-Dichloroethene	20	22.0	ug/L	110	3		50	150	20
	Acetone	100	96.3	ug/L	96	4		41	148	20
	Carbon disulfide	20	18.3	ug/L	92	1		76	107	20
	Methyl tert-butyl Ether	20	17.9	ug/L	90	5		82	114	20
	Methyl Acetate	20	23.1	ug/L	116	6		63	139	20
	Methylene Chloride	20	19.7	ug/L	99	4		60	140	20
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	4		70	130	20
	1,1-Dichloroethane	20	18.7	ug/L	94	1		70	130	20
	Cyclohexane	20	18.2	ug/L	91	4		79	113	20
	2-Butanone	100	98.4	ug/L	98	6		69	129	20
	Carbon Tetrachloride	20	20.9	ug/L	104	6		70	130	20
	cis-1,2-Dichloroethene	20	18.8	ug/L	94	2		81	112	20
	Chloroform	20	19.6	ug/L	98	3		70	135	20
	1,1,1-Trichloroethane	20	21.0	ug/L	105	5		70	130	20
	Methylcyclohexane	20	19.1	ug/L	96	9		79	112	20
	Benzene	20	20.1	ug/L	101	5		65	135	20
	1,2-Dichloroethane	20	19.2	ug/L	96	4		70	130	20
	Trichloroethene	20	20.9	ug/L	104	7		65	135	20
	1,2-Dichloropropane	20	21.1	ug/L	106	8		35	165	20
	Bromodichloromethane	20	20.1	ug/L	101	6		65	135	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	9		73	131	20
	Toluene	20	20.5	ug/L	103	8		70	130	20
	t-1,3-Dichloropropene	20	19.3	ug/L	97	9		50	150	20
	cis-1,3-Dichloropropene	20	19.5	ug/L	98	6		25	175	20
	1,1,2-Trichloroethane	20	22.1	ug/L	111	11		70	130	20
	2-Hexanone	100	92.7	ug/L	93	10		72	128	20
	Dibromochloromethane	20	21.1	ug/L	106	12		70	135	20
	1,2-Dibromoethane	20	20.2	ug/L	101	4		86	114	20
	Tetrachloroethene	20	21.9	ug/L	110	9		70	130	20
	Chlorobenzene	20	20.4	ug/L	102	6		65	135	20
	Ethyl Benzene	20	19.8	ug/L	99	7		60	140	20
	m/p-Xylenes	40	39.4	ug/L	99	5		87	111	20
	o-Xylene	20	19.3	ug/L	97	7		87	111	20
	Styrene	20	19.3	ug/L	97	7		85	106	20
	Bromoform	20	20.0	ug/L	100	11		70	130	20
	Isopropylbenzene	20	20.3	ug/L	102	9		86	112	20
	1,1,2,2-Tetrachloroethane	20	21.2	ug/L	106	7		60	140	20
	1,3,5-Trimethylbenzene	20	20.1	ug/L	101	9		66	139	20
	1,3-Dichlorobenzene	20	21.7	ug/L	109	12		70	130	20
	1,4-Dichlorobenzene	20	20.7	ug/L	104	5		65	135	20
	1,2-Dichlorobenzene	20	21.6	ug/L	108	9		65	135	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3017</u>	Analytical Method:	<u>SW624.1</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VN087716.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0904WBSD01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96	5		69	122	20
	1,2,4-Trichlorobenzene	20	20.8	ug/L	104	11		61	118	20
	1,2,3-Trichlorobenzene	20	20.8	ug/L	104	11		38	159	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VN0904WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Lab File ID: VN087717.D

Lab Sample ID: VN0904WBL01

Date Analyzed: 09/04/2025

Time Analyzed: 12:59

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0904WBS01	VN0904WBS01	VN087715.D	09/04/2025
VN0904WBSD01	VN0904WBSD01	VN087716.D	09/04/2025
BP-TB-20250903	Q3017-01	VN087718.D	09/04/2025
TT-076-IDWGW-20250903	Q3017-02	VN087719.D	09/04/2025
TT-078-IDWGW-20250903	Q3017-04	VN087720.D	09/04/2025
TT-079-IDWGW-20250903	Q3017-05	VN087721.D	09/04/2025
TT-077-IDWGW-20250903	Q3017-03	VN087722.D	09/04/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Lab File ID: VN087447.D

BFB Injection Date: 08/05/2025

Instrument ID: MSVOA_N

BFB Injection Time: 09:27

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	58.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.5) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	4.8 (7.2) 1
176	95.0 - 101.0% of mass 174	65.2 (97.7) 1
177	5.0 - 9.0% of mass 176	4.8 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC005	VSTDICCC005	VN087452.D	08/05/2025	13:37
VSTDICCC020	VSTDICCC020	VN087453.D	08/05/2025	13:58
VSTDICCC050	VSTDICCC050	VN087454.D	08/05/2025	14:19
VSTDICCC100	VSTDICCC100	VN087455.D	08/05/2025	14:40
VSTDICCC150	VSTDICCC150	VN087456.D	08/05/2025	15:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Lab File ID: VN087713.D

BFB Injection Date: 09/04/2025

Instrument ID: MSVOA_N

BFB Injection Time: 10:10

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	57.3
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	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	67
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	65.8 (98.3) 1
177	5.0 - 9.0% of mass 176	4.7 (7.1) 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
VSTDCCC020	VSTDCCC020	VN087714.D	09/04/2025	10:54
VN0904WBS01	VN0904WBS01	VN087715.D	09/04/2025	12:04
VN0904WBSD01	VN0904WBSD01	VN087716.D	09/04/2025	12:38
VN0904WBL01	VN0904WBL01	VN087717.D	09/04/2025	12:59
BP-TB-20250903	Q3017-01	VN087718.D	09/04/2025	13:35
TT-076-IDWG-20250903	Q3017-02	VN087719.D	09/04/2025	13:56
TT-078-IDWG-20250903	Q3017-04	VN087720.D	09/04/2025	14:16
TT-079-IDWG-20250903	Q3017-05	VN087721.D	09/04/2025	14:37
TT-077-IDWG-20250903	Q3017-03	VN087722.D	09/04/2025	14:58
VSTDCCC020EC	VSTDCCC020	VN087723.D	09/04/2025	15:21

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3017
Lab File ID: VN087714.D Date Analyzed: 09/04/2025
Instrument ID: MSVOA_N Time Analyzed: 10:54
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	48350	7.80	251837	9.08	230082	11.85
UPPER LIMIT	96700	8.3	503674	9.583	460164	12.347
LOWER LIMIT	24175	7.3	125919	8.583	115041	11.347
EPA SAMPLE NO.						
BP-TB-20250903	24981	7.80	130931	9.08	117412	11.85
TT-076-IDWGW-20250903	31627	7.79	160432	9.08	142263	11.85
TT-077-IDWGW-20250903	41995	7.79	225576	9.08	201361	11.85
TT-078-IDWGW-20250903	36172	7.80	190299	9.08	168068	11.85
TT-079-IDWGW-20250903	39130	7.79	202717	9.08	174966	11.84
VN0904WBL01	37882	7.79	207176	9.08	183441	11.85
VN0904WBS01	43425	7.79	231247	9.08	210355	11.85
VN0904WBSD01	46987	7.79	246294	9.08	222512	11.85

IS1 = Bromochloromethane
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.



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBL01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBL01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087717.D	1	09/04/25 12:59	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
67-64-1	Acetone	4.60	U	4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	U	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBL01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBL01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087717.D	1	09/04/25 12:59	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.5		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	30.1		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.9		63 - 112	86%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	37900	7.794			
540-36-3	1,4-Difluorobenzene	207000	9.082			
3114-55-4	Chlorobenzene-d5	183000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBL01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBL01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087717.D	1	09/04/25 12:59	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	VN0904WBS01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBS01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087715.D	1	09/04/25 12:04	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		0.77	5.00	ug/L
74-87-3	Chloromethane	18.8		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	20.2		0.83	5.00	ug/L
74-83-9	Bromomethane	26.2		0.80	5.00	ug/L
75-00-3	Chloroethane	20.8		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	22.0		0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	23.3		0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	22.5		0.76	5.00	ug/L
67-64-1	Acetone	100		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	18.1		0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	17.1		0.77	5.00	ug/L
79-20-9	Methyl Acetate	21.8		0.91	5.00	ug/L
75-09-2	Methylene Chloride	18.9		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.1		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.9		0.68	5.00	ug/L
110-82-7	Cyclohexane	17.4		0.92	5.00	ug/L
78-93-3	2-Butanone	91.6		2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.80	5.00	ug/L
67-66-3	Chloroform	18.9		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		0.63	5.00	ug/L
108-87-2	Methylcyclohexane	17.6		0.73	5.00	ug/L
71-43-2	Benzene	19.1		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.50	5.00	ug/L
79-01-6	Trichloroethene	19.3		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.2		3.00	25.0	ug/L
108-88-3	Toluene	19.0		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.7		0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBS01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBS01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087715.D	1	09/04/25 12:04	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	18.4		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.45	5.00	ug/L
591-78-6	2-Hexanone	83.6		3.20	25.0	ug/L
124-48-1	Dibromochloromethane	18.8		0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.56	5.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.84	5.00	ug/L
108-90-7	Chlorobenzene	19.2		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	18.4		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	37.6		1.30	10.0	ug/L
95-47-6	o-Xylene	17.9		0.67	5.00	ug/L
100-42-5	Styrene	18.0		0.72	5.00	ug/L
75-25-2	Bromoform	18.0		0.94	5.00	ug/L
98-82-8	Isopropylbenzene	18.5		0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	18.3		0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.5		1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.5		1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.6		91 - 110	95%	SPK: 30
2037-26-5	Toluene-d8	30.1		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.6		63 - 112	92%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	43400	7.794			
540-36-3	1,4-Difluorobenzene	231000	9.082			
3114-55-4	Chlorobenzene-d5	210000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBS01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBS01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087715.D	1	09/04/25 12:04	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	VN0904WBSD01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBSD01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087716.D	1	09/04/25 12:38	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		0.77	5.00	ug/L
74-87-3	Chloromethane	19.1		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	20.8		0.83	5.00	ug/L
74-83-9	Bromomethane	26.7		0.80	5.00	ug/L
75-00-3	Chloroethane	21.7		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	22.5		0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	25.1		0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	22.0		0.76	5.00	ug/L
67-64-1	Acetone	96.3		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	18.3		0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	17.9		0.77	5.00	ug/L
79-20-9	Methyl Acetate	23.1		0.91	5.00	ug/L
75-09-2	Methylene Chloride	19.7		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.68	5.00	ug/L
110-82-7	Cyclohexane	18.2		0.92	5.00	ug/L
78-93-3	2-Butanone	98.4		2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.80	5.00	ug/L
67-66-3	Chloroform	19.6		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.63	5.00	ug/L
108-87-2	Methylcyclohexane	19.1		0.73	5.00	ug/L
71-43-2	Benzene	20.1		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.50	5.00	ug/L
79-01-6	Trichloroethene	20.9		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	20.1		0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		3.00	25.0	ug/L
108-88-3	Toluene	20.5		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBSD01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBSD01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087716.D	1	09/04/25 12:38	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	19.5		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.1		0.45	5.00	ug/L
591-78-6	2-Hexanone	92.7		3.20	25.0	ug/L
124-48-1	Dibromochloromethane	21.1		0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.2		0.56	5.00	ug/L
127-18-4	Tetrachloroethene	21.9		0.84	5.00	ug/L
108-90-7	Chlorobenzene	20.4		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	39.4		1.30	10.0	ug/L
95-47-6	o-Xylene	19.3		0.67	5.00	ug/L
100-42-5	Styrene	19.3		0.72	5.00	ug/L
75-25-2	Bromoform	20.0		0.94	5.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.2		0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	20.1		0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.7		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.7		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.6		0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.8		1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.8		1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	27.8		91 - 110	93%	SPK: 30
2037-26-5	Toluene-d8	29.7		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.5		63 - 112	95%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	47000	7.794			
540-36-3	1,4-Difluorobenzene	246000	9.082			
3114-55-4	Chlorobenzene-d5	223000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBSD01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBSD01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087716.D	1	09/04/25 12:38	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	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>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date(s):	<u>08/05/2025</u> <u>08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>13:37</u> <u>15:01</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID: RRF005 = VN087452.D RRF020 = VN087453.D RRF050 = VN087454.D RRF100 = VN087455.D RRF150 = VN087456.D RRF =								
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
Dichlorodifluoromethane	1.779	2.065	1.842	2.012	2.094		1.959	7.1
Chloromethane	1.994	2.165	1.805	1.983	2.101		2.010	6.8
Vinyl Chloride	2.092	2.289	1.905	2.161	2.210		2.131	6.8
Bromomethane	1.027	1.160	1.070	1.220	1.291		1.154	9.3
Chloroethane	1.413	1.441	1.211	1.381	1.427		1.374	6.8
Trichlorofluoromethane	3.231	3.208	2.715	3.043	3.141		3.067	6.9
1,1,2-Trichlorotrifluoroethane	1.716	1.591	1.388	1.528	1.598		1.564	7.7
1,1-Dichloroethene	1.704	1.730	1.440	1.616	1.725		1.643	7.5
Acetone	0.421	0.418	0.335	0.356	0.361		0.378	10.3
Carbon Disulfide	5.413	5.176	4.534	5.095	5.266		5.097	6.6
Methyl tert-Butyl Ether	7.611	7.656	6.765	7.529	7.874		7.487	5.7
Methyl Acetate	2.942	3.094	2.763	3.128	3.234		3.032	6.1
Methylene Chloride	2.274	2.168	1.887	2.100	2.148		2.115	6.7
trans-1,2-Dichloroethene	2.081	2.014	1.729	1.927	2.019		1.954	7
1,1-Dichloroethane	3.979	4.147	3.567	3.949	4.076		3.944	5.7
Cyclohexane	0.573	0.582	0.517	0.581	0.581		0.567	4.9
2-Butanone	0.377	0.365	0.334	0.365	0.363		0.361	4.5
Carbon Tetrachloride	0.536	0.520	0.474	0.527	0.535		0.518	4.9
cis-1,2-Dichloroethene	2.477	2.499	2.149	2.403	2.493		2.404	6.1
Chloroform	4.236	4.223	3.738	4.105	4.280		4.116	5.4
1,1,1-Trichloroethane	0.651	0.618	0.571	0.636	0.645		0.624	5.2
Methylcyclohexane	0.603	0.572	0.512	0.576	0.575		0.568	5.9
Benzene	1.608	1.540	1.410	1.580	1.584		1.545	5.1
1,2-Dichloroethane	0.661	0.636	0.564	0.626	0.634		0.624	5.8
Trichloroethene	0.355	0.345	0.311	0.344	0.346		0.340	5
1,2-Dichloropropane	0.422	0.401	0.358	0.399	0.400		0.396	6
Bromodichloromethane	0.662	0.606	0.561	0.623	0.634		0.617	6
4-Methyl-2-Pentanone	0.813	0.802	0.713	0.780	0.751		0.772	5.3
Toluene	1.975	1.905	1.689	1.854	1.835		1.852	5.7
t-1,3-Dichloropropene	0.676	0.663	0.618	0.700	0.702		0.672	5.1

* 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>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date(s):	<u>08/05/2025</u> <u>08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>13:37</u> <u>15:01</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID: RRF005 = VN087452.D RRF020 = VN087453.D RRF050 = VN087454.D RRF100 = VN087455.D RRF150 = VN087456.D RRF =								
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
cis-1,3-Dichloropropene	0.687	0.664	0.629	0.696	0.704		0.676	4.5
1,1,2-Trichloroethane	0.385	0.375	0.344	0.386	0.388		0.375	4.9
2-Hexanone	0.484	0.527	0.504	0.561	0.545		0.524	5.9
Dibromochloromethane	0.427	0.424	0.402	0.455	0.460		0.434	5.5
1,2-Dibromoethane	0.401	0.400	0.364	0.414	0.413		0.399	5.1
Tetrachloroethene	0.320	0.292	0.270	0.290	0.289		0.292	6.1
Chlorobenzene	1.218	1.156	1.030	1.149	1.135		1.138	6
Ethyl Benzene	2.154	2.115	1.892	2.094	2.064		2.064	4.9
m/p-Xylenes	0.796	0.768	0.702	0.768	0.753		0.758	4.6
o-Xylene	0.791	0.754	0.681	0.756	0.745		0.745	5.4
Styrene	1.257	1.295	1.182	1.323	1.307		1.273	4.4
Bromoform	0.268	0.276	0.268	0.310	0.312		0.287	7.8
Isopropylbenzene	1.938	1.936	1.729	1.947	1.916		1.893	4.9
1,1,2,2-Tetrachloroethane	0.692	0.679	0.590	0.654	0.628		0.649	6.3
1,3,5-Trimethylbenzene	1.705	1.661	1.495	1.646	1.599		1.621	4.9
1,3-Dichlorobenzene	0.874	0.853	0.777	0.847	0.828		0.836	4.4
1,4-Dichlorobenzene	0.884	0.870	0.790	0.858	0.835		0.847	4.4
1,2-Dichlorobenzene	0.812	0.819	0.750	0.814	0.794		0.798	3.6
1,2-Dibromo-3-Chloropropane	0.173	0.170	0.149	0.166	0.164		0.164	5.7
1,2,4-Trichlorobenzene	0.495	0.478	0.435	0.486	0.490		0.477	5
1,2,3-Trichlorobenzene	0.495	0.478	0.435	0.486	0.490		0.477	5
1,2-Dichloroethane-d4	2.772	2.838	2.776	2.704	2.746		2.767	1.8
Toluene-d8	1.413	1.382	1.386	1.386	1.336		1.380	2
4-Bromofluorobenzene	0.512	0.520	0.522	0.520	0.508		0.516	1.1

* 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>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/04/2025 10:54</u>
Lab File ID:	<u>VN087714.D</u>	Init. Calib. Date(s):	<u>08/05/2025 08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:37 15:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.959	1.866		-4.75	
Chloromethane	2.010	1.986		-1.19	
Vinyl Chloride	2.131	2.243	0.1	5.26	
Bromomethane	1.154	1.401	0.1	21.4	
Chloroethane	1.374	1.554		13.1	
Trichlorofluoromethane	3.067	3.309		7.89	
1,1,2-Trichlorotrifluoroethane	1.564	1.932		23.53	
1,1-Dichloroethene	1.643	1.813	0.1	10.35	
Acetone	0.378	0.415		9.79	
Carbon Disulfide	5.097	4.692		-7.95	
Methyl tert-Butyl Ether	7.487	6.633		-11.41	
Methyl Acetate	3.032	3.414		12.6	
Methylene Chloride	2.115	2.111		-0.19	
trans-1,2-Dichloroethene	1.954	1.795		-8.14	
1,1-Dichloroethane	3.944	3.822	0.2	-3.09	
Cyclohexane	0.567	0.533		-6	
2-Butanone	0.361	0.349		-3.32	
Carbon Tetrachloride	0.518	0.535	0.1	3.28	
cis-1,2-Dichloroethene	2.404	2.299		-4.37	
Chloroform	4.116	4.110	0.2	-0.15	
1,1,1-Trichloroethane	0.624	0.649	0.1	4.01	
Methylcyclohexane	0.568	0.516		-9.15	
Benzene	1.545	1.589	0.5	2.85	
1,2-Dichloroethane	0.624	0.634	0.1	1.6	
Trichloroethene	0.340	0.353	0.3	3.82	
1,2-Dichloropropane	0.396	0.424		7.07	
Bromodichloromethane	0.617	0.630	0.2	2.11	
4-Methyl-2-Pentanone	0.772	0.767		-0.65	
Toluene	1.852	1.893	0.4	2.21	
t-1,3-Dichloropropene	0.672	0.655	0.1	-2.53	
cis-1,3-Dichloropropene	0.676	0.679	0.2	0.44	
1,1,2-Trichloroethane	0.375	0.414	0.1	10.4	
2-Hexanone	0.524	0.501		-4.39	
Dibromochloromethane	0.434	0.444	0.1	2.3	
1,2-Dibromoethane	0.399	0.402		0.75	
Tetrachloroethene	0.292	0.310	0.2	6.16	
Chlorobenzene	1.138	1.183	0.5	3.95	
Ethyl Benzene	2.064	2.036	0.1	-1.36	

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>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/04/2025</u> <u>10:54</u>
Lab File ID:	<u>VN087714.D</u>	Init. Calib. Date(s):	<u>08/05/2025</u> <u>08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:37</u> <u>15:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
m/p-Xylenes	0.758	0.763	0.3	0.66	
o-Xylene	0.745	0.703	0.3	-5.64	
Styrene	1.273	1.239	0.3	-2.67	
Bromoform	0.287	0.279	0.1	-2.79	
Isopropylbenzene	1.893	1.852		-2.17	
1,1,2,2-Tetrachloroethane	0.649	0.708	0.3	9.09	
1,3,5-Trimethylbenzene	1.621	1.616		-0.31	
1,3-Dichlorobenzene	0.836	0.893	0.2	6.82	
1,4-Dichlorobenzene	0.847	0.928	0.2	9.56	
1,2-Dichlorobenzene	0.798	0.850	0.2	6.52	
1,2-Dibromo-3-Chloropropane	0.164	0.148		-9.76	
1,2,4-Trichlorobenzene	0.477	0.473	0.2	-0.84	
1,2,3-Trichlorobenzene	0.477	0.473		-0.84	
1,2-Dichloroethane-d4	2.767	2.576	0.01	-6.9	
Toluene-d8	1.380	1.399	0.01	1.38	
4-Bromofluorobenzene	0.516	0.504	0.2	-2.33	

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>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/04/2025 15:21</u>
Lab File ID:	<u>VN087723.D</u>	Init. Calib. Date(s):	<u>08/05/2025 08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:37 15:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.959	1.834		-6.38	50
Chloromethane	2.010	1.897		-5.62	50
Vinyl Chloride	2.131	2.066	0.1	-3.05	50
Bromomethane	1.154	1.459	0.1	26.43	50
Chloroethane	1.374	1.536		11.79	50
Trichlorofluoromethane	3.067	3.312		7.99	50
1,1,2-Trichlorotrifluoroethane	1.564	1.899		21.42	50
1,1-Dichloroethene	1.643	1.893	0.1	15.22	50
Acetone	0.378	0.360		-4.76	50
Carbon Disulfide	5.097	4.471		-12.28	50
Methyl tert-Butyl Ether	7.487	6.600		-11.85	50
Methyl Acetate	3.032	3.303		8.94	50
Methylene Chloride	2.115	2.044		-3.36	50
trans-1,2-Dichloroethene	1.954	1.833		-6.19	50
1,1-Dichloroethane	3.944	3.832	0.2	-2.84	50
Cyclohexane	0.567	0.572		0.88	50
2-Butanone	0.361	0.359		-0.55	50
Carbon Tetrachloride	0.518	0.552	0.1	6.56	50
cis-1,2-Dichloroethene	2.404	2.228		-7.32	50
Chloroform	4.116	4.038	0.2	-1.89	50
1,1,1-Trichloroethane	0.624	0.682	0.1	9.3	50
Methylcyclohexane	0.568	0.521		-8.27	50
Benzene	1.545	1.651	0.5	6.86	50
1,2-Dichloroethane	0.624	0.631	0.1	1.12	50
Trichloroethene	0.340	0.381	0.3	12.06	50
1,2-Dichloropropane	0.396	0.430		8.59	50
Bromodichloromethane	0.617	0.664	0.2	7.62	50
4-Methyl-2-Pentanone	0.772	0.785		1.68	50
Toluene	1.852	1.895	0.4	2.32	50
t-1,3-Dichloropropene	0.672	0.654	0.1	-2.68	50
cis-1,3-Dichloropropene	0.676	0.678	0.2	0.3	50
1,1,2-Trichloroethane	0.375	0.420	0.1	12	50
2-Hexanone	0.524	0.496		-5.34	50
Dibromochloromethane	0.434	0.481	0.1	10.83	50
1,2-Dibromoethane	0.399	0.423		6.01	50
Tetrachloroethene	0.292	0.328	0.2	12.33	50
Chlorobenzene	1.138	1.179	0.5	3.6	50
Ethyl Benzene	2.064	2.011	0.1	-2.57	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>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/04/2025 15:21</u>
Lab File ID:	<u>VN087723.D</u>	Init. Calib. Date(s):	<u>08/05/2025 08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:37 15:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
m/p-Xylenes	0.758	0.747	0.3	-1.45	50
o-Xylene	0.745	0.743	0.3	-0.27	50
Styrene	1.273	1.265	0.3	-0.63	50
Bromoform	0.287	0.293	0.1	2.09	50
Isopropylbenzene	1.893	1.855		-2.01	50
1,1,2,2-Tetrachloroethane	0.649	0.703	0.3	8.32	50
1,3,5-Trimethylbenzene	1.621	1.619		-0.12	50
1,3-Dichlorobenzene	0.836	0.917	0.2	9.69	50
1,4-Dichlorobenzene	0.847	0.935	0.2	10.39	50
1,2-Dichlorobenzene	0.798	0.896	0.2	12.28	50
1,2-Dibromo-3-Chloropropane	0.164	0.157		-4.27	50
1,2,4-Trichlorobenzene	0.477	0.493	0.2	3.35	50
1,2,3-Trichlorobenzene	0.477	0.493		3.35	50
1,2-Dichloroethane-d4	2.767	2.506	0.01	-9.43	50
Toluene-d8	1.380	1.388	0.01	0.58	50
4-Bromofluorobenzene	0.516	0.489	0.2	-5.23	50

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