

LAB CHRONICLE

OrderID:	Q3213	OrderDate:	9/25/2025 2:33:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	A12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3213-01	BP-VPB-184-TB-2025 0923	Water			09/23/25			09/25/25
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-02	VPB184-HYD-202509 24	Water			09/24/25			09/25/25
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-03	BP-VPB-184-GW-340- 342	Water			09/23/25			09/25/25
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-04	BP-VPB-184-GW-360- 362	Water			09/23/25			09/25/25
			VOC-TCLVOA-10	8260-Low			09/30/25	
Q3213-05	BP-VPB-184-GW-380- 382	Water			09/23/25			09/25/25
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-07	BP-VPB-184-GW-400- 402	Water			09/24/25			09/25/25
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-08	BP-VPB-184-GW-420- 422	Water			09/24/25			09/25/25
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-09	BP-VPB-184-GW-440- 442	Water			09/24/25			09/25/25
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-10	BP-VPB-184-EB-2025 0923	Water			09/23/25			09/25/25
			VOC-TCLVOA-10	8260-Low			09/30/25	

Hit Summary Sheet SW-846

SDG No.: Q3213
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	VPB184-HYD-20250924								
Q3213-02	VPB184-HYD-2025 Water	Chloromethane		0.54	J	0.32	0.50	1.00	ug/L
Q3213-02	VPB184-HYD-2025 Water	Bromodichloromethane		0.32	J	0.22	0.50	1.00	ug/L
Q3213-02	VPB184-HYD-2025 Water	Dibromochloromethane		0.75	J	0.18	0.50	1.00	ug/L
Q3213-02	VPB184-HYD-2025 Water	Bromoform		0.53	J	0.19	0.50	1.00	ug/L
		Total Voc :		2.14					
		Total Concentration:		2.14					
Client ID:	BP-VPB-184-GW-340-342								
Q3213-03	BP-VPB-184-GW-3 Water	Chloromethane		0.49	J	0.32	0.50	1.00	ug/L
Q3213-03	BP-VPB-184-GW-3 Water	Acetone		7.10		1.50	3.80	5.00	ug/L
Q3213-03	BP-VPB-184-GW-3 Water	Carbon Disulfide		0.48	J	0.21	0.75	1.00	ug/L
		Total Voc :		8.07					
		Total Concentration:		8.07					
Client ID:	BP-VPB-184-GW-360-362								
Q3213-04	BP-VPB-184-GW-3 Water	Acetone		13.8		1.50	3.80	5.00	ug/L
Q3213-04	BP-VPB-184-GW-3 Water	2-Butanone		3.80	J	0.98	2.50	5.00	ug/L
		Total Voc :		17.6					
		Total Concentration:		17.6					
Client ID:	BP-VPB-184-GW-380-382								
Q3213-05	BP-VPB-184-GW-3 Water	Chloromethane		0.59	J	0.32	0.50	1.00	ug/L
Q3213-05	BP-VPB-184-GW-3 Water	Acetone		6.40		1.50	3.80	5.00	ug/L
Q3213-05	BP-VPB-184-GW-3 Water	Carbon Disulfide		0.24	J	0.21	0.75	1.00	ug/L
		Total Voc :		7.23					
		Total Concentration:		7.23					
Client ID:	BP-VPB-184-GW-400-402								
Q3213-07	BP-VPB-184-GW-4 Water	Acetone		4.30	J	1.50	3.80	5.00	ug/L
		Total Voc :		4.30					
		Total Concentration:		4.30					
Client ID:	BP-VPB-184-GW-420-422								
Q3213-08	BP-VPB-184-GW-4 Water	Chloromethane		0.63	J	0.32	0.50	1.00	ug/L
Q3213-08	BP-VPB-184-GW-4 Water	Acetone		14.8		1.50	3.80	5.00	ug/L
Q3213-08	BP-VPB-184-GW-4 Water	Methyl tert-butyl Ether		0.28	J	0.16	0.50	1.00	ug/L
Q3213-08	BP-VPB-184-GW-4 Water	2-Butanone		3.20	J	0.98	2.50	5.00	ug/L
		Total Voc :		18.9					
		Total Concentration:		18.9					
Client ID:	BP-VPB-184-GW-440-442								
Q3213-09	BP-VPB-184-GW-4 Water	Chloromethane		0.46	J	0.32	0.50	1.00	ug/L
Q3213-09	BP-VPB-184-GW-4 Water	Acetone		5.40		1.50	3.80	5.00	ug/L
		Total Voc :		5.86					
		Total Concentration:		5.86					

Hit Summary Sheet
SW-846

SDG No.: Q3213

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: BP-VPB-184-EB-20250923									
Q3213-10	BP-VPB-184-EB-20	Water	Acetone	64.3		1.50	3.80	5.00	ug/L
Q3213-10	BP-VPB-184-EB-20	Water	Carbon Disulfide	1.30		0.21	0.75	1.00	ug/L
Q3213-10	BP-VPB-184-EB-20	Water	2-Butanone	8.50		0.98	2.50	5.00	ug/L
Total Voc :				74.1					
Total Concentration:				74.1					



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/23/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-TB-20250923		SDG No.:	Q3213	
Lab Sample ID:	Q3213-01		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
VX047885.D	1	09/29/25 15:41	VX092925

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:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-TB-20250923	SDG No.:	Q3213
Lab Sample ID:	Q3213-01	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
VX047885.D	1	09/29/25 15:41	VX092925

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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/23/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-TB-20250923		SDG No.:	Q3213	
Lab Sample ID:	Q3213-01		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
VX047885.D	1	09/29/25 15:41	VX092925

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:	09/24/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	VPB184-HYD-20250924		SDG No.:	Q3213	
Lab Sample ID:	Q3213-02		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
VX047884.D	1	09/29/25 15:20	VX092925

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	0.54	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	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	0.32	J	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:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	VPB184-HYD-20250924	SDG No.:	Q3213
Lab Sample ID:	Q3213-02	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
VX047884.D	1	09/29/25 15:20	VX092925

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	0.75	J	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	0.53	J	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.544				
540-36-3	1,4-Difluorobenzene	288000	6.745				
3114-55-4	Chlorobenzene-d5	303000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	155000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25
Client Sample ID:	VPB184-HYD-20250924		SDG No.:	Q3213
Lab Sample ID:	Q3213-02		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
VX047884.D	1	09/29/25 15:20	VX092925

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:	09/23/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-GW-340-342		SDG No.:	Q3213	
Lab Sample ID:	Q3213-03		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
VX047886.D	1	09/29/25 16:02	VX092925

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	0.49	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	7.10		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.48	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:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-340-342	SDG No.:	Q3213
Lab Sample ID:	Q3213-03	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
VX047886.D	1	09/29/25 16:02	VX092925

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-340-342		SDG No.:	Q3213
Lab Sample ID:	Q3213-03		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
VX047886.D	1	09/29/25 16:02	VX092925

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:	09/23/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-GW-360-362		SDG No.:	Q3213	
Lab Sample ID:	Q3213-04		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
VX047900.D	1	09/30/25 11:27	VX093025

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	13.8		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	3.80	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:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-360-362	SDG No.:	Q3213
Lab Sample ID:	Q3213-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047900.D	1	09/30/25 11:27	VX093025

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/23/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-GW-360-362		SDG No.:	Q3213	
Lab Sample ID:	Q3213-04		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
VX047900.D	1	09/30/25 11:27	VX093025

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:	09/23/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-GW-380-382		SDG No.:	Q3213	
Lab Sample ID:	Q3213-05		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
VX047888.D	1	09/29/25 16:44	VX092925

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	0.59	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	6.40		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.24	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:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-380-382	SDG No.:	Q3213
Lab Sample ID:	Q3213-05	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
VX047888.D	1	09/29/25 16:44	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.544				
540-36-3	1,4-Difluorobenzene	285000	6.751				
3114-55-4	Chlorobenzene-d5	296000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	153000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/23/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-GW-380-382		SDG No.:	Q3213	
Lab Sample ID:	Q3213-05		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
VX047888.D	1	09/29/25 16:44	VX092925

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:	09/24/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-GW-400-402		SDG No.:	Q3213	
Lab Sample ID:	Q3213-07		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
VX047889.D	1	09/29/25 17:05	VX092925

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	4.30	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:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-400-402			SDG No.:	Q3213
Lab Sample ID:	Q3213-07			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
VX047889.D	1	09/29/25 17:05	VX092925

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-400-402		SDG No.:	Q3213
Lab Sample ID:	Q3213-07		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
VX047889.D	1	09/29/25 17:05	VX092925

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:	09/24/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-GW-420-422		SDG No.:	Q3213	
Lab Sample ID:	Q3213-08		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
VX047890.D	1	09/29/25 17:26	VX092925

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	0.63	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	14.8		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	0.28	J	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	3.20	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:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-420-422	SDG No.:	Q3213
Lab Sample ID:	Q3213-08	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
VX047890.D	1	09/29/25 17:26	VX092925

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	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	265000	6.751				
3114-55-4	Chlorobenzene-d5	273000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-420-422		SDG No.:	Q3213
Lab Sample ID:	Q3213-08		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
VX047890.D	1	09/29/25 17:26	VX092925

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:	09/24/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-GW-440-442		SDG No.:	Q3213	
Lab Sample ID:	Q3213-09		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
VX047891.D	1	09/29/25 17:46	VX092925

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	0.46	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	5.40		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:	09/24/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-GW-440-442		SDG No.:	Q3213	
Lab Sample ID:	Q3213-09		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
VX047891.D	1	09/29/25 17:46	VX092925

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	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.55				
540-36-3	1,4-Difluorobenzene	265000	6.751				
3114-55-4	Chlorobenzene-d5	273000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	137000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-440-442		SDG No.:	Q3213
Lab Sample ID:	Q3213-09		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
VX047891.D	1	09/29/25 17:46	VX092925

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:	09/23/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25	
Client Sample ID:	BP-VPB-184-EB-20250923		SDG No.:	Q3213	
Lab Sample ID:	Q3213-10		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
VX047902.D	1	09/30/25 12:09	VX093025

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	64.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	1.30		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	8.50		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:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-EB-20250923	SDG No.:	Q3213
Lab Sample ID:	Q3213-10	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
VX047902.D	1	09/30/25 12:09	VX093025

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-EB-20250923		SDG No.:	Q3213
Lab Sample ID:	Q3213-10		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
VX047902.D	1	09/30/25 12:09	VX093025

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.: **Q3213**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3213-01	BP-VPB-184-TB-20250923	1,2-Dichloroethane-d4	50	55.1	110		81	118
		Dibromofluoromethane	50	50.8	102		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	56.2	112		85	114
Q3213-02	VPB184-HYD-20250924	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	55.9	112		85	114
Q3213-03	BP-VPB-184-GW-340-342	1,2-Dichloroethane-d4	50	50.1	100		81	118
		Dibromofluoromethane	50	47.6	95		80	119
		Toluene-d8	50	47.9	96		89	112
		4-Bromofluorobenzene	50	51.5	103		85	114
Q3213-04	BP-VPB-184-GW-360-362	1,2-Dichloroethane-d4	50	46.9	94		81	118
		Dibromofluoromethane	50	47.4	95		80	119
		Toluene-d8	50	47.3	95		89	112
		4-Bromofluorobenzene	50	51.5	103		85	114
Q3213-05	BP-VPB-184-GW-380-382	1,2-Dichloroethane-d4	50	57.1	114		81	118
		Dibromofluoromethane	50	50.5	101		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	56.4	113		85	114
Q3213-07	BP-VPB-184-GW-400-402	1,2-Dichloroethane-d4	50	53.0	106		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	49.7	99		89	112
		4-Bromofluorobenzene	50	54.9	110		85	114
Q3213-08	BP-VPB-184-GW-420-422	1,2-Dichloroethane-d4	50	51.5	103		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q3213-09	BP-VPB-184-GW-440-442	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114
Q3213-10	BP-VPB-184-EB-20250923	1,2-Dichloroethane-d4	50	48.3	97		81	118
		Dibromofluoromethane	50	47.6	95		80	119
		Toluene-d8	50	47.6	95		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
VX0929WBL01	VX0929WBL01	1,2-Dichloroethane-d4	50	49.3	99		81	118
		Dibromofluoromethane	50	48.8	98		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114
VX0929WBS01	VX0929WBS01	1,2-Dichloroethane-d4	50	48.8	98		81	118
		Dibromofluoromethane	50	52.9	106		80	119
		Toluene-d8	50	52.3	105		89	112
		4-Bromofluorobenzene	50	52.9	106		85	114
VX0929WBSD0	VX0929WBSD01	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	54.3	109		80	119
		Toluene-d8	50	53.0	106		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
VX0930WBL01	VX0930WBL01	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	50.4	101		80	119

Surrogate Summary

SDG No.: Q3213

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX0930WBL01	VX0930WBL01	Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	56.0	112		85	114
VX0930WBS01	VX0930WBS01	1,2-Dichloroethane-d4	50	50.0	100		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	51.0	102		89	112
		4-Bromofluorobenzene	50	51.6	103		85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3213</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047871.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0929WBS01	Dichlorodifluoromethane	20	22.3	ug/L	112			32	152	
	Chloromethane	20	18.8	ug/L	94			50	139	
	Vinyl chloride	20	20.3	ug/L	102			58	137	
	Bromomethane	20	22.0	ug/L	110			53	141	
	Chloroethane	20	19.7	ug/L	99			60	138	
	Trichlorofluoromethane	20	20.4	ug/L	102			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/L	106			70	136	
	1,1-Dichloroethene	20	19.9	ug/L	100			71	131	
	Acetone	100	99.4	ug/L	99			39	160	
	Carbon disulfide	20	19.5	ug/L	98			64	133	
	Methyl tert-butyl Ether	20	19.3	ug/L	97			71	124	
	Methyl Acetate	20	21.4	ug/L	107			56	136	
	Methylene Chloride	20	19.5	ug/L	98			74	124	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			75	124	
	1,1-Dichloroethane	20	19.9	ug/L	100			77	125	
	Cyclohexane	20	19.5	ug/L	98			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	20.6	ug/L	103			72	136	
	cis-1,2-Dichloroethene	20	19.7	ug/L	99			78	123	
	Bromochloromethane	20	18.3	ug/L	92			78	123	
	Chloroform	20	20.5	ug/L	103			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	20.2	ug/L	101			72	132	
	Benzene	20	20.4	ug/L	102			79	120	
	1,2-Dichloroethane	20	19.8	ug/L	99			73	128	
	Trichloroethene	20	20.6	ug/L	103			79	123	
	1,2-Dichloropropane	20	20.8	ug/L	104			78	122	
	Bromodichloromethane	20	20.6	ug/L	103			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.8	ug/L	104			80	121	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			73	127	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			75	124	
	1,1,2-Trichloroethane	20	21.4	ug/L	107			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.6	ug/L	108			74	126	
	1,2-Dibromoethane	20	21.6	ug/L	108			77	121	
	Tetrachloroethene	20	21.0	ug/L	105			74	129	
	Chlorobenzene	20	20.2	ug/L	101			82	118	
	Ethyl Benzene	20	19.6	ug/L	98			79	121	
	m/p-Xylenes	40	41.0	ug/L	103			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	20.0	ug/L	100			78	123	
	Bromoform	20	21.7	ug/L	109			66	130	
	Isopropylbenzene	20	19.2	ug/L	96			72	131	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103			71	121	
	1,3-Dichlorobenzene	20	19.8	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3213</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047871.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0929WBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/L	99			62	128	
	1,2,4-Trichlorobenzene	20	18.6	ug/L	93			69	130	
	1,2,3-Trichlorobenzene	20	19.3	ug/L	97			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:		Q3213	SW-846		Analytical Method:		SW8260-Low
Client:		Tetra Tech NUS, Inc.	Datafile :		VX047873.D		

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0929WBSD01	Dichlorodifluoromethane	20	20.7	ug/L	104	7		32	152	20
	Chloromethane	20	18.0	ug/L	90	4		50	139	20
	Vinyl chloride	20	19.6	ug/L	98	4		58	137	20
	Bromomethane	20	21.2	ug/L	106	4		53	141	20
	Chloroethane	20	18.9	ug/L	95	4		60	138	20
	Trichlorofluoromethane	20	19.6	ug/L	98	4		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100	6		70	136	20
	1,1-Dichloroethene	20	19.3	ug/L	97	3		71	131	20
	Acetone	100	92.5	ug/L	93	6		39	160	20
	Carbon disulfide	20	18.5	ug/L	93	5		64	133	20
	Methyl tert-butyl Ether	20	19.7	ug/L	99	2		71	124	20
	Methyl Acetate	20	23.5	ug/L	117	9		56	136	20
	Methylene Chloride	20	19.6	ug/L	98	0		74	124	20
	trans-1,2-Dichloroethene	20	19.4	ug/L	97	4		75	124	20
	1,1-Dichloroethane	20	19.3	ug/L	97	3		77	125	20
	Cyclohexane	20	18.4	ug/L	92	6		71	130	20
	2-Butanone	100	110	ug/L	110	10		56	143	20
	Carbon Tetrachloride	20	19.1	ug/L	96	7		72	136	20
	cis-1,2-Dichloroethene	20	19.4	ug/L	97	2		78	123	20
	Bromochloromethane	20	18.7	ug/L	94	2		78	123	20
	Chloroform	20	20.0	ug/L	100	3		79	124	20
	1,1,1-Trichloroethane	20	19.6	ug/L	98	4		74	131	20
	Methylcyclohexane	20	18.7	ug/L	94	7		72	132	20
	Benzene	20	19.6	ug/L	98	4		79	120	20
	1,2-Dichloroethane	20	19.4	ug/L	97	2		73	128	20
	Trichloroethene	20	19.7	ug/L	99	4		79	123	20
	1,2-Dichloropropane	20	19.8	ug/L	99	5		78	122	20
	Bromodichloromethane	20	19.7	ug/L	99	4		79	125	20
	4-Methyl-2-Pentanone	100	120	ug/L	120	9		67	130	20
	Toluene	20	19.7	ug/L	99	5		80	121	20
	t-1,3-Dichloropropene	20	19.2	ug/L	96	3		73	127	20
	cis-1,3-Dichloropropene	20	19.5	ug/L	98	2		75	124	20
	1,1,2-Trichloroethane	20	21.0	ug/L	105	2		80	119	20
	2-Hexanone	100	110	ug/L	110	0		57	139	20
	Dibromochloromethane	20	21.0	ug/L	105	3		74	126	20
	1,2-Dibromoethane	20	21.6	ug/L	108	0		77	121	20
	Tetrachloroethene	20	19.7	ug/L	99	6		74	129	20
	Chlorobenzene	20	19.0	ug/L	95	6		82	118	20
	Ethyl Benzene	20	18.7	ug/L	94	4		79	121	20
	m/p-Xylenes	40	38.1	ug/L	95	8		80	121	20
	o-Xylene	20	18.8	ug/L	94	7		78	122	20
	Styrene	20	19.0	ug/L	95	5		78	123	20
	Bromoform	20	20.5	ug/L	103	6		66	130	20
	Isopropylbenzene	20	18.3	ug/L	92	4		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103	0		71	121	20
	1,3-Dichlorobenzene	20	18.9	ug/L	95	4		80	119	20
	1,4-Dichlorobenzene	20	18.6	ug/L	93	4		79	118	20
	1,2-Dichlorobenzene	20	18.9	ug/L	95	4		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3213</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047873.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0929WBSD01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/L	100	1		62	128	20
	1,2,4-Trichlorobenzene	20	17.6	ug/L	88	6		69	130	20
	1,2,3-Trichlorobenzene	20	18.3	ug/L	92	5		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3213</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047899.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0930WBS01	Dichlorodifluoromethane	20	21.4	ug/L	107			32	152	
	Chloromethane	20	19.4	ug/L	97			50	139	
	Vinyl chloride	20	20.6	ug/L	103			58	137	
	Bromomethane	20	21.0	ug/L	105			53	141	
	Chloroethane	20	21.1	ug/L	106			60	138	
	Trichlorofluoromethane	20	21.0	ug/L	105			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/L	104			70	136	
	1,1-Dichloroethene	20	20.3	ug/L	102			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	19.3	ug/L	97			64	133	
	Methyl tert-butyl Ether	20	20.7	ug/L	104			71	124	
	Methyl Acetate	20	22.9	ug/L	115			56	136	
	Methylene Chloride	20	21.6	ug/L	108			74	124	
	trans-1,2-Dichloroethene	20	20.5	ug/L	103			75	124	
	1,1-Dichloroethane	20	21.1	ug/L	106			77	125	
	Cyclohexane	20	19.0	ug/L	95			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			78	123	
	Bromochloromethane	20	22.8	ug/L	114			78	123	
	Chloroform	20	22.0	ug/L	110			79	124	
	1,1,1-Trichloroethane	20	20.8	ug/L	104			74	131	
	Methylcyclohexane	20	18.5	ug/L	93			72	132	
	Benzene	20	20.9	ug/L	104			79	120	
	1,2-Dichloroethane	20	20.8	ug/L	104			73	128	
	Trichloroethene	20	20.5	ug/L	103			79	123	
	1,2-Dichloropropane	20	21.3	ug/L	106			78	122	
	Bromodichloromethane	20	21.5	ug/L	108			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.9	ug/L	104			80	121	
	t-1,3-Dichloropropene	20	20.6	ug/L	103			73	127	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			75	124	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	22.2	ug/L	111			74	126	
	1,2-Dibromoethane	20	22.8	ug/L	114			77	121	
	Tetrachloroethene	20	19.6	ug/L	98			74	129	
	Chlorobenzene	20	20.5	ug/L	103			82	118	
	Ethyl Benzene	20	19.8	ug/L	99			79	121	
	m/p-Xylenes	40	40.6	ug/L	102			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	20.5	ug/L	103			78	123	
	Bromoform	20	21.7	ug/L	109			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			71	121	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	19.9	ug/L	100			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3213</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047899.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0930WBS01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94			62	128	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			69	130	
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96			69	129	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0929WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3213

Lab File ID: VX047870.D

Lab Sample ID: VX0929WBL01

Date Analyzed: 09/29/2025

Time Analyzed: 09:48

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
VX0929WBS01	VX0929WBS01	VX047871.D	09/29/2025
VX0929WBSD01	VX0929WBSD01	VX047873.D	09/29/2025
VPB184-HYD-20250924	Q3213-02	VX047884.D	09/29/2025
BP-VPB-184-TB-20250923	Q3213-01	VX047885.D	09/29/2025
BP-VPB-184-GW-340-342	Q3213-03	VX047886.D	09/29/2025
BP-VPB-184-GW-380-382	Q3213-05	VX047888.D	09/29/2025
BP-VPB-184-GW-400-402	Q3213-07	VX047889.D	09/29/2025
BP-VPB-184-GW-420-422	Q3213-08	VX047890.D	09/29/2025
BP-VPB-184-GW-440-442	Q3213-09	VX047891.D	09/29/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0930WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3213

Lab File ID: VX047898.D

Lab Sample ID: VX0930WBL01

Date Analyzed: 09/30/2025

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
VX0930WBS01	VX0930WBS01	VX047899.D	09/30/2025
BP-VPB-184-GW-360-362	Q3213-04	VX047900.D	09/30/2025
BP-VPB-184-EB-20250923	Q3213-10	VX047902.D	09/30/2025

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.: Q3213
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
Lab Code: ACE
Lab File ID: VX047867.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: TETR06
SDG NO.: Q3213
BFB Injection Date: 09/29/2025
BFB Injection Time: 08:29
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	52.7
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	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	69.7
175	5.0 - 9.0% of mass 174	5.3 (7.6) 1
176	95.0 - 101.0% of mass 174	67.3 (96.5) 1
177	5.0 - 9.0% of mass 176	4.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047868.D	09/29/2025	08:59
VX0929WBL01	VX0929WBL01	VX047870.D	09/29/2025	09:48
VX0929WBS01	VX0929WBS01	VX047871.D	09/29/2025	10:44
VX0929WBSD01	VX0929WBSD01	VX047873.D	09/29/2025	11:26
VPB184-HYD-20250924	Q3213-02	VX047884.D	09/29/2025	15:20
BP-VPB-184-TB-20250923	Q3213-01	VX047885.D	09/29/2025	15:41
BP-VPB-184-GW-340-342	Q3213-03	VX047886.D	09/29/2025	16:02
BP-VPB-184-GW-380-382	Q3213-05	VX047888.D	09/29/2025	16:44
BP-VPB-184-GW-400-402	Q3213-07	VX047889.D	09/29/2025	17:05
BP-VPB-184-GW-420-422	Q3213-08	VX047890.D	09/29/2025	17:26
BP-VPB-184-GW-440-442	Q3213-09	VX047891.D	09/29/2025	17:46
VSTDCCC050EC	VSTDCCC050	VX047894.D	09/29/2025	18:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3213

Lab File ID: VX047895.D

BFB Injection Date: 09/30/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:49

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	19.2
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.5 (0.8) 1
174	50.0 - 100.0% of mass 95	68
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	67.8 (99.7) 1
177	5.0 - 9.0% of mass 176	4 (5.9) 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	VX047896.D	09/30/2025	09:20
VX0930WBL01	VX0930WBL01	VX047898.D	09/30/2025	10:09
VX0930WBS01	VX0930WBS01	VX047899.D	09/30/2025	11:06
BP-VPB-184-GW-360-362	Q3213-04	VX047900.D	09/30/2025	11:27
BP-VPB-184-EB-20250923	Q3213-10	VX047902.D	09/30/2025	12:09
VSTDCCC050EC	VSTDCCC050	VX047923.D	09/30/2025	19:30

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
 Lab Code: ACE SDG NO.: Q3213
 Lab File ID: VX047868.D Date Analyzed: 09/29/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:59
 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	185893	5.53	309770	6.74	268975	10.04
UPPER LIMIT	371786	6.031	619540	7.238	537950	10.537
LOWER LIMIT	92946.5	5.031	154885	6.238	134488	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20250923	141653	5.54	299169	6.75	307943	10.04
VPB184-HYD-20250924	137990	5.54	287753	6.75	302814	10.04
BP-VPB-184-GW-340-342	121262	5.54	250493	6.75	252342	10.04
BP-VPB-184-GW-380-382	133701	5.54	285495	6.75	296119	10.04
BP-VPB-184-GW-400-402	187752	5.54	393964	6.75	400100	10.04
BP-VPB-184-GW-420-422	128773	5.54	265004	6.75	273028	10.04
BP-VPB-184-GW-440-442	126934	5.55	264916	6.75	273054	10.04
VX0929WBL01	151039	5.54	304108	6.75	305847	10.04
VX0929WBS01	165805	5.54	286774	6.75	261167	10.04
VX0929WBSD01	159091	5.54	281426	6.75	258238	10.04

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3213
Lab File ID: VX047868.D Date Analyzed: 09/29/2025
Instrument ID: MSVOA_X Time Analyzed: 08:59
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	131495	12.00€				
UPPER LIMIT	262990	12.50€				
LOWER LIMIT	65747.5	11.50€				
EPA SAMPLE NO.						
BP-VPB-184-TB-20250923	161425	12.01				
VPB184-HYD-20250924	155121	12.01				
BP-VPB-184-GW-340-342	126414	12.01				
BP-VPB-184-GW-380-382	153022	12.01				
BP-VPB-184-GW-400-402	194810	12.01				
BP-VPB-184-GW-420-422	140306	12.01				
BP-VPB-184-GW-440-442	137102	12.01				
VX0929WBL01	151711	12.01				
VX0929WBS01	131097	12.01				
VX0929WBSD01	129173	12.01				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3213
Lab File ID: VX047896.D Date Analyzed: 09/30/2025
Instrument ID: MSVOA_X Time Analyzed: 09:20
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	159265	5.53	274684	6.74	247069	10.04
UPPER LIMIT	318530	6.031	549368	7.239	494138	10.537
LOWER LIMIT	79632.5	5.031	137342	6.239	123535	9.537
EPA SAMPLE NO.						
BP-VPB-184-GW-360-362	131080	5.54	265322	6.75	269226	10.04
BP-VPB-184-EB-20250923	127478	5.54	257240	6.75	260569	10.04
VX0930WBL01	126165	5.54	254131	6.75	265110	10.04
VX0930WBS01	139945	5.54	252162	6.74	231700	10.04

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
 Lab Code: ACE SDG NO.: Q3213
 Lab File ID: VX047896.D Date Analyzed: 09/30/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:20
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	121307	12.00€				
UPPER LIMIT	242614	12.50€				
LOWER LIMIT	60653.5	11.50€				
EPA SAMPLE NO.						
BP-VPB-184-GW-360-362	129059	12.01				
BP-VPB-184-EB-20250923	127484	12.01				
VX0930WBL01	133087	12.01				
VX0930WBS01	116962	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:	VX0929WBL01		SDG No.:	Q3213
Lab Sample ID:	VX0929WBL01		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
VX047870.D	1	09/29/25 09:48	VX092925

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:	VX0929WBL01		SDG No.:	Q3213
Lab Sample ID:	VX0929WBL01		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
VX047870.D	1	09/29/25 09:48	VX092925

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	49.3		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151000	5.538				
540-36-3	1,4-Difluorobenzene	304000	6.745				
3114-55-4	Chlorobenzene-d5	306000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0929WBL01		SDG No.:	Q3213
Lab Sample ID:	VX0929WBL01		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
VX047870.D	1	09/29/25 09:48	VX092925

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:	VX0930WBL01		SDG No.:	Q3213
Lab Sample ID:	VX0930WBL01		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
VX047898.D	1	09/30/25 10:09	VX093025

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:	VX0930WBL01		SDG No.:	Q3213
Lab Sample ID:	VX0930WBL01		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
VX047898.D	1	09/30/25 10:09	VX093025

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	52.7		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126000	5.544				
540-36-3	1,4-Difluorobenzene	254000	6.751				
3114-55-4	Chlorobenzene-d5	265000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	133000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0930WBL01		SDG No.:	Q3213
Lab Sample ID:	VX0930WBL01		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
VX047898.D	1	09/30/25 10:09	VX093025

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:	VX0929WBS01		SDG No.:	Q3213
Lab Sample ID:	VX0929WBS01		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
VX047871.D	1	09/29/25 10:44	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	22.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	22.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.7		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	99.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	21.4		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.5		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	18.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.6		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.8		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:	VX0929WBS01		SDG No.:	Q3213
Lab Sample ID:	VX0929WBS01		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
VX047871.D	1	09/29/25 10:44	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.6		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.6		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.0		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.8		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.6		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.3		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.8		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	5.538				
540-36-3	1,4-Difluorobenzene	287000	6.745				
3114-55-4	Chlorobenzene-d5	261000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	131000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0929WBS01		SDG No.:	Q3213
Lab Sample ID:	VX0929WBS01		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
VX047871.D	1	09/29/25 10:44	VX092925

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:	VX0930WBS01		SDG No.:	Q3213
Lab Sample ID:	VX0930WBS01		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
VX047899.D	1	09/30/25 11:06	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	21.4		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	19.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	21.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.1		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	110		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	21.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.0		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	22.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	22.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.3		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.9		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:	VX0930WBS01		SDG No.:	Q3213
Lab Sample ID:	VX0930WBS01		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
VX047899.D	1	09/30/25 11:06	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.6		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	22.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	5.537				
540-36-3	1,4-Difluorobenzene	252000	6.744				
3114-55-4	Chlorobenzene-d5	232000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0930WBS01		SDG No.:	Q3213
Lab Sample ID:	VX0930WBS01		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
VX047899.D	1	09/30/25 11:06	VX093025

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:	VX0929WBSD01		SDG No.:	Q3213
Lab Sample ID:	VX0929WBSD01		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
VX047873.D	1	09/29/25 11:26	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	18.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	21.2		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	19.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	92.5		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	23.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	18.7		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		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	19.6		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		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:	VX0929WBSD01		SDG No.:	Q3213
Lab Sample ID:	VX0929WBSD01		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
VX047873.D	1	09/29/25 11:26	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.6		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.1		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.5		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.6		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.3		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	52.9		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159000	5.538				
540-36-3	1,4-Difluorobenzene	281000	6.751				
3114-55-4	Chlorobenzene-d5	258000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	129000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0929WBSD01		SDG No.:	Q3213
Lab Sample ID:	VX0929WBSD01		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
VX047873.D	1	09/29/25 11:26	VX092925

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
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 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>Q3213</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>Q3213</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>Q3213</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/29/2025 08:59</u>
Lab File ID:	<u>VX047868.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	0.628		21.24	20
Chloromethane	0.680	0.675	0.1	-0.74	20
Vinyl Chloride	0.666	0.730		9.61	20
Bromomethane	0.422	0.465		10.19	20
Chloroethane	0.445	0.457		2.7	20
Trichlorofluoromethane	0.989	1.072		8.39	20
1,1,2-Trichlorotrifluoroethane	0.578	0.644		11.42	20
1,1-Dichloroethene	0.594	0.627		5.56	20
Acetone	0.346	0.389		12.43	20
Carbon Disulfide	1.626	1.666		2.46	20
Methyl tert-butyl Ether	2.169	2.111		-2.67	20
Methyl Acetate	0.770	0.879		14.16	20
Methylene Chloride	0.732	0.706		-3.55	20
trans-1,2-Dichloroethene	0.640	0.655		2.34	20
1,1-Dichloroethane	1.263	1.245	0.1	-1.42	20
Cyclohexane	1.052	0.994		-5.51	20
2-Butanone	0.432	0.483		11.81	20
Carbon Tetrachloride	0.532	0.560		5.26	20
cis-1,2-Dichloroethene	0.783	0.764		-2.43	20
Bromochloromethane	0.551	0.504		-8.53	20
Chloroform	1.276	1.243		-2.59	20
1,1,1-Trichloroethane	1.082	1.078		-0.37	20
Methylcyclohexane	0.556	0.581		4.5	20
Benzene	1.488	1.515		1.82	20
1,2-Dichloroethane	0.566	0.546		-3.53	20
Trichloroethene	0.360	0.377		4.72	20
1,2-Dichloropropane	0.381	0.393		3.15	20
Bromodichloromethane	0.572	0.588		2.8	20
4-Methyl-2-Pentanone	0.477	0.537		12.58	20
Toluene	0.917	0.921		0.44	20
t-1,3-Dichloropropene	0.584	0.574		-1.71	20
cis-1,3-Dichloropropene	0.624	0.621		-0.48	20
1,1,2-Trichloroethane	0.354	0.360		1.7	20
2-Hexanone	0.343	0.390		13.7	20
Dibromochloromethane	0.407	0.432		6.14	20
1,2-Dibromoethane	0.360	0.377		4.72	20
Tetrachloroethene	0.326	0.337		3.37	20
Chlorobenzene	1.136	1.160	0.3	2.11	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>Q3213</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/29/2025 08:59</u>
Lab File ID:	<u>VX047868.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
Ethyl Benzene	1.960	2.015		2.81	20
m/p-Xylenes	0.729	0.761		4.39	20
o-Xylene	0.706	0.715		1.27	20
Styrene	1.236	1.262		2.02	20
Bromoform	0.293	0.328	0.1	11.94	20
Isopropylbenzene	3.801	3.873		1.89	20
1,1,2,2-Tetrachloroethane	1.150	1.232	0.3	7.13	20
1,3-Dichlorobenzene	1.739	1.736		-0.17	20
1,4-Dichlorobenzene	1.785	1.749		-2.02	20
1,2-Dichlorobenzene	1.657	1.661		0.24	20
1,2-Dibromo-3-Chloropropane	0.233	0.253		8.58	20
1,2,4-Trichlorobenzene	1.077	1.056		-1.95	20
1,2,3-Trichlorobenzene	1.002	1.007		0.5	20
1,2-Dichloroethane-d4	0.796	0.699		-12.19	20
Dibromofluoromethane	0.335	0.329		-1.79	20
Toluene-d8	1.160	1.119		-3.53	20
4-Bromofluorobenzene	0.440	0.410		-6.82	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>Q3213</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/29/2025 18:49</u>
Lab File ID:	<u>VX047894.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	0.585		12.93	50
Chloromethane	0.680	0.697	0.1	2.5	50
Vinyl Chloride	0.666	0.724		8.71	50
Bromomethane	0.422	0.458		8.53	50
Chloroethane	0.445	0.479		7.64	50
Trichlorofluoromethane	0.989	1.060		7.18	50
1,1,2-Trichlorotrifluoroethane	0.578	0.619		7.09	50
1,1-Dichloroethene	0.594	0.627		5.56	50
Acetone	0.346	0.297		-14.16	50
Carbon Disulfide	1.626	1.653		1.66	50
Methyl tert-butyl Ether	2.169	2.290		5.58	50
Methyl Acetate	0.770	0.960		24.67	50
Methylene Chloride	0.732	0.780		6.56	50
trans-1,2-Dichloroethene	0.640	0.676		5.63	50
1,1-Dichloroethane	1.263	1.352	0.1	7.05	50
Cyclohexane	1.052	1.001		-4.85	50
2-Butanone	0.432	0.454		5.09	50
Carbon Tetrachloride	0.532	0.535		0.56	50
cis-1,2-Dichloroethene	0.783	0.836		6.77	50
Bromochloromethane	0.551	0.601		9.07	50
Chloroform	1.276	1.393		9.17	50
1,1,1-Trichloroethane	1.082	1.138		5.18	50
Methylcyclohexane	0.556	0.525		-5.58	50
Benzene	1.488	1.545		3.83	50
1,2-Dichloroethane	0.566	0.573		1.24	50
Trichloroethene	0.360	0.370		2.78	50
1,2-Dichloropropane	0.381	0.404		6.04	50
Bromodichloromethane	0.572	0.605		5.77	50
4-Methyl-2-Pentanone	0.477	0.529		10.9	50
Toluene	0.917	0.940		2.51	50
t-1,3-Dichloropropene	0.584	0.573		-1.88	50
cis-1,3-Dichloropropene	0.624	0.619		-0.8	50
1,1,2-Trichloroethane	0.354	0.380		7.34	50
2-Hexanone	0.343	0.362		5.54	50
Dibromochloromethane	0.407	0.447		9.83	50
1,2-Dibromoethane	0.360	0.395		9.72	50
Tetrachloroethene	0.326	0.328		0.61	50
Chlorobenzene	1.136	1.164	0.3	2.46	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>Q3213</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/29/2025 18:49</u>
Lab File ID:	<u>VX047894.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
Ethyl Benzene	1.960	1.962		0.1	50
m/p-Xylenes	0.729	0.744		2.06	50
o-Xylene	0.706	0.720		1.98	50
Styrene	1.236	1.282		3.72	50
Bromoform	0.293	0.316	0.1	7.85	50
Isopropylbenzene	3.801	3.606		-5.13	50
1,1,2,2-Tetrachloroethane	1.150	1.192	0.3	3.65	50
1,3-Dichlorobenzene	1.739	1.659		-4.6	50
1,4-Dichlorobenzene	1.785	1.686		-5.55	50
1,2-Dichlorobenzene	1.657	1.607		-3.02	50
1,2-Dibromo-3-Chloropropane	0.233	0.224		-3.86	50
1,2,4-Trichlorobenzene	1.077	0.969		-10.03	50
1,2,3-Trichlorobenzene	1.002	0.936		-6.59	50
1,2-Dichloroethane-d4	0.796	0.803		0.88	50
Dibromofluoromethane	0.335	0.348		3.88	50
Toluene-d8	1.160	1.168		0.69	50
4-Bromofluorobenzene	0.440	0.447		1.59	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>Q3213</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/30/2025</u> <u>09:20</u>
Lab File ID:	<u>VX047896.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
Dichlorodifluoromethane	0.518	0.609		17.57	20
Chloromethane	0.680	0.711	0.1	4.56	20
Vinyl Chloride	0.666	0.732		9.91	20
Bromomethane	0.422	0.433		2.61	20
Chloroethane	0.445	0.494		11.01	20
Trichlorofluoromethane	0.989	1.083		9.51	20
1,1,2-Trichlorotrifluoroethane	0.578	0.633		9.52	20
1,1-Dichloroethene	0.594	0.627		5.56	20
Acetone	0.346	0.361		4.34	20
Carbon Disulfide	1.626	1.668		2.58	20
Methyl tert-butyl Ether	2.169	2.294		5.76	20
Methyl Acetate	0.770	0.908		17.92	20
Methylene Chloride	0.732	0.791		8.06	20
trans-1,2-Dichloroethene	0.640	0.679		6.09	20
1,1-Dichloroethane	1.263	1.347	0.1	6.57	20
Cyclohexane	1.052	0.974		-7.41	20
2-Butanone	0.432	0.464		7.41	20
Carbon Tetrachloride	0.532	0.552		3.76	20
cis-1,2-Dichloroethene	0.783	0.830		6	20
Bromochloromethane	0.551	0.555		0.73	20
Chloroform	1.276	1.360		6.58	20
1,1,1-Trichloroethane	1.082	1.123		3.79	20
Methylcyclohexane	0.556	0.513		-7.73	20
Benzene	1.488	1.565		5.18	20
1,2-Dichloroethane	0.566	0.594		4.95	20
Trichloroethene	0.360	0.371		3.06	20
1,2-Dichloropropane	0.381	0.413		8.4	20
Bromodichloromethane	0.572	0.622		8.74	20
4-Methyl-2-Pentanone	0.477	0.524		9.85	20
Toluene	0.917	0.954		4.03	20
t-1,3-Dichloropropene	0.584	0.609		4.28	20
cis-1,3-Dichloropropene	0.624	0.659		5.61	20
1,1,2-Trichloroethane	0.354	0.384		8.48	20
2-Hexanone	0.343	0.366		6.71	20
Dibromochloromethane	0.407	0.452		11.06	20
1,2-Dibromoethane	0.360	0.395		9.72	20
Tetrachloroethene	0.326	0.323		-0.92	20
Chlorobenzene	1.136	1.183	0.3	4.14	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>Q3213</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/30/2025</u> <u>09:20</u>
Lab File ID:	<u>VX047896.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	1.981		1.07	20
m/p-Xylenes	0.729	0.744		2.06	20
o-Xylene	0.706	0.723		2.41	20
Styrene	1.236	1.283		3.8	20
Bromoform	0.293	0.323	0.1	10.24	20
Isopropylbenzene	3.801	3.742		-1.55	20
1,1,2,2-Tetrachloroethane	1.150	1.226	0.3	6.61	20
1,3-Dichlorobenzene	1.739	1.708		-1.78	20
1,4-Dichlorobenzene	1.785	1.732		-2.97	20
1,2-Dichlorobenzene	1.657	1.671		0.85	20
1,2-Dibromo-3-Chloropropane	0.233	0.236		1.29	20
1,2,4-Trichlorobenzene	1.077	0.993		-7.8	20
1,2,3-Trichlorobenzene	1.002	0.950		-5.19	20
1,2-Dichloroethane-d4	0.796	0.783		-1.63	20
Dibromofluoromethane	0.335	0.359		7.16	20
Toluene-d8	1.160	1.184		2.07	20
4-Bromofluorobenzene	0.440	0.438		-0.46	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>Q3213</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/30/2025 19:30</u>
Lab File ID:	<u>VX047923.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	0.582		12.35	50
Chloromethane	0.680	0.702	0.1	3.23	50
Vinyl Chloride	0.666	0.724		8.71	50
Bromomethane	0.422	0.460		9.01	50
Chloroethane	0.445	0.493		10.79	50
Trichlorofluoromethane	0.989	1.079		9.1	50
1,1,2-Trichlorotrifluoroethane	0.578	0.633		9.52	50
1,1-Dichloroethene	0.594	0.646		8.75	50
Acetone	0.346	0.315		-8.96	50
Carbon Disulfide	1.626	1.655		1.78	50
Methyl tert-butyl Ether	2.169	2.399		10.6	50
Methyl Acetate	0.770	1.002		30.13	50
Methylene Chloride	0.732	0.814		11.2	50
trans-1,2-Dichloroethene	0.640	0.698		9.06	50
1,1-Dichloroethane	1.263	1.405	0.1	11.24	50
Cyclohexane	1.052	1.031		-2	50
2-Butanone	0.432	0.482		11.57	50
Carbon Tetrachloride	0.532	0.541		1.69	50
cis-1,2-Dichloroethene	0.783	0.858		9.58	50
Bromochloromethane	0.551	0.591		7.26	50
Chloroform	1.276	1.447		13.4	50
1,1,1-Trichloroethane	1.082	1.173		8.41	50
Methylcyclohexane	0.556	0.532		-4.32	50
Benzene	1.488	1.614		8.47	50
1,2-Dichloroethane	0.566	0.612		8.13	50
Trichloroethene	0.360	0.387		7.5	50
1,2-Dichloropropane	0.381	0.430		12.86	50
Bromodichloromethane	0.572	0.640		11.89	50
4-Methyl-2-Pentanone	0.477	0.570		19.5	50
Toluene	0.917	0.985		7.41	50
t-1,3-Dichloropropene	0.584	0.607		3.94	50
cis-1,3-Dichloropropene	0.624	0.661		5.93	50
1,1,2-Trichloroethane	0.354	0.403		13.84	50
2-Hexanone	0.343	0.395		15.16	50
Dibromochloromethane	0.407	0.472		15.97	50
1,2-Dibromoethane	0.360	0.422		17.22	50
Tetrachloroethene	0.326	0.331		1.53	50
Chlorobenzene	1.136	1.178	0.3	3.7	50

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VOLATILE CONTINUING CALIBRATION CHECK

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Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3213</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/30/2025</u> <u>19:30</u>
Lab File ID:	<u>VX047923.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	2.014		2.76	50
m/p-Xylenes	0.729	0.760		4.25	50
o-Xylene	0.706	0.734		3.97	50
Styrene	1.236	1.311		6.07	50
Bromoform	0.293	0.335	0.1	14.33	50
Isopropylbenzene	3.801	3.761		-1.05	50
1,1,2,2-Tetrachloroethane	1.150	1.256	0.3	9.22	50
1,3-Dichlorobenzene	1.739	1.732		-0.4	50
1,4-Dichlorobenzene	1.785	1.749		-2.02	50
1,2-Dichlorobenzene	1.657	1.688		1.87	50
1,2-Dibromo-3-Chloropropane	0.233	0.244		4.72	50
1,2,4-Trichlorobenzene	1.077	1.022		-5.11	50
1,2,3-Trichlorobenzene	1.002	0.979		-2.3	50
1,2-Dichloroethane-d4	0.796	0.844		6.03	50
Dibromofluoromethane	0.335	0.363		8.36	50
Toluene-d8	1.160	1.231		6.12	50
4-Bromofluorobenzene	0.440	0.471		7.05	50

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