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

LAB CHRONICLE

OrderID:	Q3371	**OrderDate:**	10/16/2025 4:13:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3371-01	**BP-VPB-184-TB-20251010**	**Water**			**10/10/25**			**10/16/25**
			VOC-TCLVOA-10	8260-Low			10/21/25	
Q3371-02	**BP-VPB-184-EB-20251016**	**Water**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260-Low			10/21/25	
Q3371-03	**VPB184-HYD-20251010**	**Water**			**10/10/25**			**10/16/25**
			VOC-TCLVOA-10	8260-Low			10/21/25	
Q3371-04	**BP-VPB-184-GW-915-917**	**Water**			**10/15/25**			**10/16/25**
			VOC-TCLVOA-10	8260-Low			10/20/25	
Q3371-05	**BP-VPB-184-GW-920-922**	**Water**			**10/15/25**			**10/16/25**
			VOC-TCLVOA-10	8260-Low			10/20/25	
Q3371-06	**VPB184-HYD-20251016**	**Water**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260-Low			10/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3371

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-184-EB-20251016**								
Q3371-02	BP-VPB-184-EB-2(	Water	Acetone	6.80		1.50	3.80	5.00	ug/L
			Total Voc :	6.80					
			Total Concentration:	6.80					
Client ID:	**BP-VPB-184-GW-915-917**								
Q3371-04	BP-VPB-184-GW-9	Water	Acetone	64.0		1.50	3.80	5.00	ug/L
Q3371-04	BP-VPB-184-GW-9	Water	Carbon Disulfide	0.36	J	0.21	0.75	1.00	ug/L
Q3371-04	BP-VPB-184-GW-9	Water	2-Butanone	12.5		0.98	2.50	5.00	ug/L
			Total Voc :	76.9					
			Total Concentration:	76.9					

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-TB-20251010	SDG No.:	Q3371
Lab Sample ID:	Q3371-01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:15	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 11:15	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 11:15	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 11:15	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 11:15	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 11:15	VX102125
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/21/25 11:15	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 11:15	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 11:15	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 11:15	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:15	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 11:15	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 11:15	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:15	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 11:15	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:15	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:15	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:15	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:15	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:15	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 11:15	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:15	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 11:15	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 11:15	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 11:15	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 11:15	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 11:15	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 11:15	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:15	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:15	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:15	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 11:15	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 11:15	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:15	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:15	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:15	VX102125

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-TB-20251010	SDG No.:	Q3371
Lab Sample ID:	Q3371-01	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:15	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 11:15	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:15	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:15	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 11:15	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:15	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 11:15	VX102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	52.4			81 - 118		105%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.8			80 - 119		94%	SPK: 50		
2037-26-5	Toluene-d8	45.6			89 - 112		91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.0			85 - 114		106%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	105000								
540-36-3	1,4-Difluorobenzene	207000								
3114-55-4	Chlorobenzene-d5	215000								
3855-82-1	1,4-Dichlorobenzene-d4	110000								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-EB-20251016	SDG No.:	Q3371
Lab Sample ID:	Q3371-02	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:35	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 11:35	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 11:35	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 11:35	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 11:35	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 11:35	VX102125
67-64-1	Acetone	6.80		1	1.50	3.80	5.00	ug/L	10/21/25 11:35	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 11:35	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 11:35	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 11:35	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:35	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 11:35	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 11:35	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:35	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 11:35	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:35	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:35	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:35	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:35	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:35	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 11:35	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:35	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 11:35	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 11:35	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 11:35	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 11:35	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 11:35	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 11:35	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:35	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:35	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:35	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 11:35	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 11:35	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:35	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:35	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:35	VX102125

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-EB-20251016	SDG No.:	Q3371
Lab Sample ID:	Q3371-02	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:35	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 11:35	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:35	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:35	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 11:35	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:35	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 11:35	VX102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	54.7			81 - 118		109%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.5			80 - 119		99%	SPK: 50		
2037-26-5	Toluene-d8	47.2			89 - 112		94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.2			85 - 114		110%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	100000								
540-36-3	1,4-Difluorobenzene	197000								
3114-55-4	Chlorobenzene-d5	211000								
3855-82-1	1,4-Dichlorobenzene-d4	109000								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	VPB184-HYD-20251010	SDG No.:	Q3371
Lab Sample ID:	Q3371-03	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 10:54	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 10:54	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 10:54	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 10:54	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 10:54	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 10:54	VX102125
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/21/25 10:54	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 10:54	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 10:54	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 10:54	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 10:54	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 10:54	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 10:54	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 10:54	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 10:54	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 10:54	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 10:54	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 10:54	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 10:54	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 10:54	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 10:54	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 10:54	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 10:54	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 10:54	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 10:54	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 10:54	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 10:54	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 10:54	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 10:54	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 10:54	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 10:54	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 10:54	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 10:54	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 10:54	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 10:54	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 10:54	VX102125

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	VPB184-HYD-20251010	SDG No.:	Q3371
Lab Sample ID:	Q3371-03	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 10:54	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 10:54	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 10:54	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 10:54	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 10:54	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 10:54	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 10:54	VX102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	48.4			81 - 118		97%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.4			80 - 119		93%	SPK: 50		
2037-26-5	Toluene-d8	44.9			89 - 112		90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.7			85 - 114		101%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	90600								
540-36-3	1,4-Difluorobenzene	172000								
3114-55-4	Chlorobenzene-d5	177000								
3855-82-1	1,4-Dichlorobenzene-d4	86200								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-GW-915-917	SDG No.:	Q3371
Lab Sample ID:	Q3371-04	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 17:41	VX102025
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/20/25 17:41	VX102025
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/20/25 17:41	VX102025
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/20/25 17:41	VX102025
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/20/25 17:41	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/20/25 17:41	VX102025
67-64-1	Acetone	64.0		1	1.50	3.80	5.00	ug/L	10/20/25 17:41	VX102025
75-15-0	Carbon Disulfide	0.36	J	1	0.21	0.75	1.00	ug/L	10/20/25 17:41	VX102025
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/20/25 17:41	VX102025
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/20/25 17:41	VX102025
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 17:41	VX102025
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/20/25 17:41	VX102025
78-93-3	2-Butanone	12.5		1	0.98	2.50	5.00	ug/L	10/20/25 17:41	VX102025
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 17:41	VX102025
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/20/25 17:41	VX102025
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 17:41	VX102025
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 17:41	VX102025
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 17:41	VX102025
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 17:41	VX102025
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 17:41	VX102025
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/20/25 17:41	VX102025
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 17:41	VX102025
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/20/25 17:41	VX102025
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/20/25 17:41	VX102025
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/20/25 17:41	VX102025
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/20/25 17:41	VX102025
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/20/25 17:41	VX102025
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/20/25 17:41	VX102025
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 17:41	VX102025
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 17:41	VX102025
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 17:41	VX102025
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/20/25 17:41	VX102025
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/20/25 17:41	VX102025
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 17:41	VX102025
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 17:41	VX102025
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 17:41	VX102025

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-GW-915-917	SDG No.:	Q3371
Lab Sample ID:	Q3371-04	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 17:41	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/20/25 17:41	VX102025
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 17:41	VX102025
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 17:41	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/20/25 17:41	VX102025
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 17:41	VX102025
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/20/25 17:41	VX102025
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	51.0			81 - 118		102%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.4			80 - 119		97%	SPK: 50		
2037-26-5	Toluene-d8	47.1			89 - 112		94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.0			85 - 114		90%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	107000								
540-36-3	1,4-Difluorobenzene	184000								
3114-55-4	Chlorobenzene-d5	170000								
3855-82-1	1,4-Dichlorobenzene-d4	81000								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-GW-920-922	SDG No.:	Q3371
Lab Sample ID:	Q3371-05	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 18:02	VX102025
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/20/25 18:02	VX102025
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/20/25 18:02	VX102025
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/20/25 18:02	VX102025
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/20/25 18:02	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/20/25 18:02	VX102025
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/20/25 18:02	VX102025
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/20/25 18:02	VX102025
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/20/25 18:02	VX102025
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/20/25 18:02	VX102025
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 18:02	VX102025
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/20/25 18:02	VX102025
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/20/25 18:02	VX102025
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 18:02	VX102025
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/20/25 18:02	VX102025
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 18:02	VX102025
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 18:02	VX102025
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 18:02	VX102025
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 18:02	VX102025
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 18:02	VX102025
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/20/25 18:02	VX102025
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 18:02	VX102025
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/20/25 18:02	VX102025
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/20/25 18:02	VX102025
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/20/25 18:02	VX102025
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/20/25 18:02	VX102025
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/20/25 18:02	VX102025
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/20/25 18:02	VX102025
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 18:02	VX102025
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 18:02	VX102025
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 18:02	VX102025
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/20/25 18:02	VX102025
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/20/25 18:02	VX102025
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 18:02	VX102025
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 18:02	VX102025
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 18:02	VX102025

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-GW-920-922	SDG No.:	Q3371
Lab Sample ID:	Q3371-05	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 18:02	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/20/25 18:02	VX102025
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 18:02	VX102025
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 18:02	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/20/25 18:02	VX102025
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 18:02	VX102025
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/20/25 18:02	VX102025
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	55.9			81 - 118		112%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.2			80 - 119		106%	SPK: 50		
2037-26-5	Toluene-d8	51.4			89 - 112		103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.7			85 - 114		97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	122000								
540-36-3	1,4-Difluorobenzene	210000								
3114-55-4	Chlorobenzene-d5	194000								
3855-82-1	1,4-Dichlorobenzene-d4	92900								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	VPB184-HYD-20251016	SDG No.:	Q3371
Lab Sample ID:	Q3371-06	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:56	VX102125
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/21/25 11:56	VX102125
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/21/25 11:56	VX102125
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/21/25 11:56	VX102125
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/21/25 11:56	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/21/25 11:56	VX102125
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/21/25 11:56	VX102125
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/21/25 11:56	VX102125
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/21/25 11:56	VX102125
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/21/25 11:56	VX102125
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:56	VX102125
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/21/25 11:56	VX102125
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/21/25 11:56	VX102125
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:56	VX102125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/21/25 11:56	VX102125
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:56	VX102125
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/21/25 11:56	VX102125
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:56	VX102125
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:56	VX102125
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:56	VX102125
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/21/25 11:56	VX102125
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/21/25 11:56	VX102125
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/21/25 11:56	VX102125
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/21/25 11:56	VX102125
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/21/25 11:56	VX102125
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/21/25 11:56	VX102125
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/21/25 11:56	VX102125
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/21/25 11:56	VX102125
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:56	VX102125
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/21/25 11:56	VX102125
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:56	VX102125
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/21/25 11:56	VX102125
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/21/25 11:56	VX102125
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:56	VX102125
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/21/25 11:56	VX102125
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:56	VX102125

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	VPB184-HYD-20251016	SDG No.:	Q3371
Lab Sample ID:	Q3371-06	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 11:56	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 11:56	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 11:56	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 11:56	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 11:56	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 11:56	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 11:56	VX102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	54.8			81 - 118		110%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.2			80 - 119		94%	SPK: 50		
2037-26-5	Toluene-d8	46.8			89 - 112		94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.5			85 - 114		111%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	106000								
540-36-3	1,4-Difluorobenzene	214000								
3114-55-4	Chlorobenzene-d5	228000								
3855-82-1	1,4-Dichlorobenzene-d4	118000								
TENTATIVE IDENTIFIED COMPOUNDS										
75-43-4	Dichlorofluoromethane	N.D								

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

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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3371

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3371-01	BP-VPB-184-TB-20251010	1,2-Dichloroethane-d4	50	52.4	105		81	118
		Dibromofluoromethane	50	46.8	94		80	119
		Toluene-d8	50	45.6	91		89	112
		4-Bromofluorobenzene	50	53.0	106		85	114
Q3371-02	BP-VPB-184-EB-20251016	1,2-Dichloroethane-d4	50	54.7	109		81	118
		Dibromofluoromethane	50	49.5	99		80	119
		Toluene-d8	50	47.2	94		89	112
		4-Bromofluorobenzene	50	55.2	110		85	114
Q3371-03	VPB184-HYD-20251010	1,2-Dichloroethane-d4	50	48.4	97		81	118
		Dibromofluoromethane	50	46.4	93		80	119
		Toluene-d8	50	44.9	90		89	112
		4-Bromofluorobenzene	50	50.7	101		85	114
Q3371-04	BP-VPB-184-GW-915-917	1,2-Dichloroethane-d4	50	51.0	102		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	47.1	94		89	112
		4-Bromofluorobenzene	50	45.0	90		85	114
Q3371-05	BP-VPB-184-GW-920-922	1,2-Dichloroethane-d4	50	55.9	112		81	118
		Dibromofluoromethane	50	53.2	106		80	119
		Toluene-d8	50	51.4	103		89	112
		4-Bromofluorobenzene	50	48.7	97		85	114
Q3371-06	VPB184-HYD-20251016	1,2-Dichloroethane-d4	50	54.8	110		81	118
		Dibromofluoromethane	50	47.2	94		80	119
		Toluene-d8	50	46.8	94		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
VX1020WBL01	VX1020WBL01	1,2-Dichloroethane-d4	50	56.9	114		81	118
		Dibromofluoromethane	50	53.0	106		80	119
		Toluene-d8	50	51.2	102		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
VX1020WBS01	VX1020WBS01	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	51.2	102		80	119
		Toluene-d8	50	51.9	104		89	112
		4-Bromofluorobenzene	50	51.1	102		85	114
VX1020WBSD0	VX1020WBSD01	1,2-Dichloroethane-d4	50	57.5	115		81	118
		Dibromofluoromethane	50	53.2	106		80	119
		Toluene-d8	50	51.9	104		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
VX1021WBL01	VX1021WBL01	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	46.4	93		89	112
		4-Bromofluorobenzene	50	52.6	105		85	114
VX1021WBS01	VX1021WBS01	1,2-Dichloroethane-d4	50	49.2	98		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	49.7	99		85	114

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3371 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX048240.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1020WBS01	Dichlorodifluoromethane	20	17.8	ug/L	89			32	152	
	Chloromethane	20	19.4	ug/L	97			50	139	
	Vinyl chloride	20	19.2	ug/L	96			58	137	
	Bromomethane	20	21.5	ug/L	108			53	141	
	Chloroethane	20	21.1	ug/L	106			60	138	
	Trichlorofluoromethane	20	18.7	ug/L	94			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92			70	136	
	1,1-Dichloroethene	20	19.3	ug/L	97			71	131	
	Acetone	100	85.7	ug/L	86			39	160	
	Carbon disulfide	20	17.9	ug/L	90			64	133	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			71	124	
	Methyl Acetate	20	19.7	ug/L	99			56	136	
	Methylene Chloride	20	19.9	ug/L	100			74	124	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			75	124	
	1,1-Dichloroethane	20	18.8	ug/L	94			77	125	
	Cyclohexane	20	18.7	ug/L	94			71	130	
	2-Butanone	100	92.0	ug/L	92			56	143	
	Carbon Tetrachloride	20	17.6	ug/L	88			72	136	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			78	123	
	Bromochloromethane	20	21.4	ug/L	107			78	123	
	Chloroform	20	19.3	ug/L	97			79	124	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			74	131	
	Methylcyclohexane	20	17.3	ug/L	86			72	132	
	Benzene	20	18.8	ug/L	94			79	120	
	1,2-Dichloroethane	20	18.8	ug/L	94			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	19.4	ug/L	97			78	122	
	Bromodichloromethane	20	18.9	ug/L	95			79	125	
	4-Methyl-2-Pentanone	100	94.8	ug/L	95			67	130	
	Toluene	20	19.3	ug/L	97			80	121	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			73	127	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			75	124	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			80	119	
	2-Hexanone	100	94.6	ug/L	95			57	139	
	Dibromochloromethane	20	18.5	ug/L	93			74	126	
	1,2-Dibromoethane	20	19.1	ug/L	96			77	121	
	Tetrachloroethene	20	17.7	ug/L	89			74	129	
	Chlorobenzene	20	19.0	ug/L	95			82	118	
	Ethyl Benzene	20	18.5	ug/L	93			79	121	
	m/p-Xylenes	40	38.5	ug/L	96			80	121	
	o-Xylene	20	18.7	ug/L	94			78	122	
	Styrene	20	19.1	ug/L	96			78	123	
	Bromoform	20	18.6	ug/L	93			66	130	
	Isopropylbenzene	20	18.3	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95			71	121	
	1,3-Dichlorobenzene	20	18.0	ug/L	90			80	119	
	1,4-Dichlorobenzene	20	17.9	ug/L	90			79	118	
	1,2-Dichlorobenzene	20	18.3	ug/L	92			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3371**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX048240.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1020WBS01	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			62	128	
	1,2,4-Trichlorobenzene	20	16.1	ug/L	81			69	130	
	1,2,3-Trichlorobenzene	20	16.8	ug/L	84			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3371 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX048247.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1020WBSD01	Dichlorodifluoromethane	20	17.4	ug/L	87	2		32	152	20
	Chloromethane	20	20.9	ug/L	104	7		50	139	20
	Vinyl chloride	20	19.4	ug/L	97	1		58	137	20
	Bromomethane	20	21.5	ug/L	108	0		53	141	20
	Chloroethane	20	19.9	ug/L	100	6		60	138	20
	Trichlorofluoromethane	20	18.3	ug/L	92	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	3		70	136	20
	1,1-Dichloroethene	20	18.3	ug/L	92	5		71	131	20
	Acetone	100	86.3	ug/L	86	0		39	160	20
	Carbon disulfide	20	17.2	ug/L	86	5		64	133	20
	Methyl tert-butyl Ether	20	20.4	ug/L	102	8		71	124	20
	Methyl Acetate	20	20.2	ug/L	101	2		56	136	20
	Methylene Chloride	20	21.7	ug/L	109	9		74	124	20
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	3		75	124	20
	1,1-Dichloroethane	20	19.5	ug/L	98	4		77	125	20
	Cyclohexane	20	18.1	ug/L	91	3		71	130	20
	2-Butanone	100	98.7	ug/L	99	7		56	143	20
	Carbon Tetrachloride	20	17.1	ug/L	86	2		72	136	20
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	4		78	123	20
	Bromochloromethane	20	23.6	ug/L	118	10		78	123	20
	Chloroform	20	20.7	ug/L	104	7		79	124	20
	1,1,1-Trichloroethane	20	18.8	ug/L	94	0		74	131	20
	Methylcyclohexane	20	16.4	ug/L	82	5		72	132	20
	Benzene	20	18.9	ug/L	95	1		79	120	20
	1,2-Dichloroethane	20	20.1	ug/L	101	7		73	128	20
	Trichloroethene	20	18.2	ug/L	91	5		79	123	20
	1,2-Dichloropropane	20	20.4	ug/L	102	5		78	122	20
	Bromodichloromethane	20	19.8	ug/L	99	4		79	125	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	5		67	130	20
	Toluene	20	18.7	ug/L	94	3		80	121	20
	t-1,3-Dichloropropene	20	19.9	ug/L	100	5		73	127	20
	cis-1,3-Dichloropropene	20	19.4	ug/L	97	2		75	124	20
	1,1,2-Trichloroethane	20	21.1	ug/L	106	8		80	119	20
	2-Hexanone	100	100	ug/L	100	5		57	139	20
	Dibromochloromethane	20	20.9	ug/L	104	11		74	126	20
	1,2-Dibromoethane	20	21.4	ug/L	107	11		77	121	20
	Tetrachloroethene	20	17.0	ug/L	85	5		74	129	20
	Chlorobenzene	20	19.0	ug/L	95	0		82	118	20
	Ethyl Benzene	20	17.8	ug/L	89	4		79	121	20
	m/p-Xylenes	40	36.6	ug/L	92	4		80	121	20
	o-Xylene	20	18.4	ug/L	92	2		78	122	20
	Styrene	20	19.1	ug/L	96	0		78	123	20
	Bromoform	20	19.7	ug/L	99	6		66	130	20
	Isopropylbenzene	20	17.5	ug/L	88	4		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102	7		71	121	20
	1,3-Dichlorobenzene	20	18.0	ug/L	90	0		80	119	20
	1,4-Dichlorobenzene	20	17.7	ug/L	89	1		79	118	20
	1,2-Dichlorobenzene	20	18.3	ug/L	92	0		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3371 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX048247.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1020WBSD01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93	6		62	128	20
	1,2,4-Trichlorobenzene	20	16.5	ug/L	83	2		69	130	20
	1,2,3-Trichlorobenzene	20	17.0	ug/L	85	1		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3371 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX048255.D

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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3371**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX048255.D

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

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1020WBL01

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3371

Lab File ID: VX048239.D | Lab Sample ID: VX1020WBL01

Date Analyzed: 10/20/2025 | Time Analyzed: 15:23

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
VX1020WBS01	VX1020WBS01	VX048240.D	10/20/2025
BP-VPB-184-GW-915-917	Q3371-04	VX048245.D	10/20/2025
BP-VPB-184-GW-920-922	Q3371-05	VX048246.D	10/20/2025
VX1020WBSD01	VX1020WBSD01	VX048247.D	10/20/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1021WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3371

Lab File ID: VX048254.D Lab Sample ID: VX1021WBL01

Date Analyzed: 10/21/2025 Time Analyzed: 09:40

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025
VPB184-HYD-20251010	Q3371-03	VX048257.D	10/21/2025
BP-VPB-184-TB-20251010	Q3371-01	VX048258.D	10/21/2025
BP-VPB-184-EB-20251016	Q3371-02	VX048259.D	10/21/2025
VPB184-HYD-20251016	Q3371-06	VX048260.D	10/21/2025

COMMENTS:

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A B C D E F G

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3371

Lab File ID: VX048226.D | BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:15

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX048229.D	10/20/2025	10:59
VSTDICC020	VSTDICC020	VX048231.D	10/20/2025	11:40
VSTDICCC050	VSTDICCC050	VX048232.D	10/20/2025	12:01
VSTDICC100	VSTDICC100	VX048233.D	10/20/2025	12:22
VSTDICC150	VSTDICC150	VX048234.D	10/20/2025	12:43
VSTDICC005	VSTDICC005	VX048236.D	10/20/2025	13:49
VX1020WBL01	VX1020WBL01	VX048239.D	10/20/2025	15:23
VX1020WBS01	VX1020WBS01	VX048240.D	10/20/2025	15:50
BP-VPB-184-GW-915-917	Q3371-04	VX048245.D	10/20/2025	17:41
BP-VPB-184-GW-920-922	Q3371-05	VX048246.D	10/20/2025	18:02
VX1020WBSD01	VX1020WBSD01	VX048247.D	10/20/2025	18:22
VSTDCCC050EC	VSTDCCC050	VX048250.D	10/20/2025	19:25

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3371

Lab File ID: VX048251.D | BFB Injection Date: 10/21/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:12

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

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048252.D	10/21/2025	08:43
VX1021WBL01	VX1021WBL01	VX048254.D	10/21/2025	09:40
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025	10:06
VPB184-HYD-20251010	Q3371-03	VX048257.D	10/21/2025	10:54
BP-VPB-184-TB-20251010	Q3371-01	VX048258.D	10/21/2025	11:15
BP-VPB-184-EB-20251016	Q3371-02	VX048259.D	10/21/2025	11:35
VPB184-HYD-20251016	Q3371-06	VX048260.D	10/21/2025	11:56
VSTDCCC050EC	VSTDCCC050	VX048278.D	10/21/2025	18:09

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3371

Lab File ID: VX048232.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_X Time Analyzed: 12:01

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	124491	5.54	201906	6.75	184494	10.04
UPPER LIMIT	248982	6.04	403812	7.25	368988	10.54
LOWER LIMIT	62245.5	5.04	100953	6.25	92247	9.54
EPA SAMPLE NO.						
BP-VPB-184-GW-915-917	107423	5.54	183824	6.75	169870	10.04
BP-VPB-184-GW-920-922	122446	5.54	210478	6.75	193818	10.04
VX1020WBL01	127705	5.53	221220	6.74	203730	10.04
VX1020WBS01	134660	5.54	221833	6.74	200515	10.04
VX1020WBSD01	114781	5.54	195841	6.75	183563	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3371

Lab File ID: VX048232.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_X Time Analyzed: 12:01

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	92693	12.01				
UPPER LIMIT	185386	12.51				
LOWER LIMIT	46346.5	11.51				
EPA SAMPLE NO.						
BP-VPB-184-GW-915-917	81048	12.01				
BP-VPB-184-GW-920-922	92863	12.01				
VX1020WBL01	106522	12.01				
VX1020WBS01	101575	12.01				
VX1020WBSD01	92655	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3371

Lab File ID: VX048252.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_X Time Analyzed: 08:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	144122	5.53	227103	6.74	197016	10.04
UPPER LIMIT	288244	6.031	454206	7.238	394032	10.537
LOWER LIMIT	72061	5.031	113552	6.238	98508	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20251010	104796	5.54	206666	6.75	215259	10.04
BP-VPB-184-EB-20251016	100347	5.54	196629	6.75	210531	10.04
VPB184-HYD-20251010	90641	5.54	171684	6.75	176825	10.04
VPB184-HYD-20251016	105728	5.54	214439	6.75	228141	10.04
VX1021WBL01	121915	5.53	240535	6.75	247603	10.04
VX1021WBS01	141199	5.54	230109	6.74	212342	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3371

Lab File ID: VX048252.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_X Time Analyzed: 08:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	96991	12.006				
UPPER LIMIT	193982	12.506				
LOWER LIMIT	48495.5	11.506				
EPA SAMPLE NO.						
BP-VPB-184-TB-20251010	110449	12.01				
BP-VPB-184-EB-20251016	109203	12.01				
VPB184-HYD-20251010	86166	12.01				
VPB184-HYD-20251016	117921	12.01				
VX1021WBL01	126551	12.01				
VX1021WBS01	110789	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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1020WBL01	SDG No.:	Q3371
Lab Sample ID:	VX1020WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 15:23	VX102025
74-87-3	Chloromethane	0.50	U	1	0.32	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/20/25 15:23	VX102025
74-83-9	Bromomethane	3.80	U	1	1.40	3.80	5.00	ug/L	10/20/25 15:23	VX102025
75-00-3	Chloroethane	0.75	U	1	0.47	0.75	1.00	ug/L	10/20/25 15:23	VX102025
75-69-4	Trichlorofluoromethane	0.50	U	1	0.33	0.50	1.00	ug/L	10/20/25 15:23	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/20/25 15:23	VX102025
67-64-1	Acetone	3.80	U	1	1.50	3.80	5.00	ug/L	10/20/25 15:23	VX102025
75-15-0	Carbon Disulfide	0.75	U	1	0.21	0.75	1.00	ug/L	10/20/25 15:23	VX102025
1634-04-4	Methyl tert-butyl Ether	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
79-20-9	Methyl Acetate	0.75	U	1	0.27	0.75	1.00	ug/L	10/20/25 15:23	VX102025
75-09-2	Methylene Chloride	0.50	U	1	0.28	0.50	1.00	ug/L	10/20/25 15:23	VX102025
156-60-5	trans-1,2-Dichloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-34-3	1,1-Dichloroethane	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 15:23	VX102025
110-82-7	Cyclohexane	2.50	U	1	1.50	2.50	5.00	ug/L	10/20/25 15:23	VX102025
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/20/25 15:23	VX102025
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 15:23	VX102025
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.19	0.75	1.00	ug/L	10/20/25 15:23	VX102025
74-97-5	Bromochloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 15:23	VX102025
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/20/25 15:23	VX102025
71-55-6	1,1,1-Trichloroethane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 15:23	VX102025
108-87-2	Methylcyclohexane	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 15:23	VX102025
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 15:23	VX102025
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/20/25 15:23	VX102025
78-87-5	1,2-Dichloropropane	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-27-4	Bromodichloromethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/20/25 15:23	VX102025
108-10-1	4-Methyl-2-Pentanone	2.50	U	1	0.68	2.50	5.00	ug/L	10/20/25 15:23	VX102025
108-88-3	Toluene	0.50	U	1	0.14	0.50	1.00	ug/L	10/20/25 15:23	VX102025
10061-02-6	t-1,3-Dichloropropene	0.50	U	1	0.17	0.50	1.00	ug/L	10/20/25 15:23	VX102025
10061-01-5	cis-1,3-Dichloropropene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
79-00-5	1,1,2-Trichloroethane	0.50	U	1	0.21	0.50	1.00	ug/L	10/20/25 15:23	VX102025
591-78-6	2-Hexanone	2.50	U	1	0.89	2.50	5.00	ug/L	10/20/25 15:23	VX102025
124-48-1	Dibromochloromethane	0.50	U	1	0.18	0.50	1.00	ug/L	10/20/25 15:23	VX102025
106-93-4	1,2-Dibromoethane	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 15:23	VX102025
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/20/25 15:23	VX102025
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 15:23	VX102025
100-41-4	Ethyl Benzene	0.50	U	1	0.13	0.50	1.00	ug/L	10/20/25 15:23	VX102025
179601-23-1	m/p-Xylenes	1.00	U	1	0.24	1.00	2.00	ug/L	10/20/25 15:23	VX102025
95-47-6	o-Xylene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 15:23	VX102025
100-42-5	Styrene	0.50	U	1	0.15	0.50	1.00	ug/L	10/20/25 15:23	VX102025
75-25-2	Bromoform	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 15:23	VX102025

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1020WBL01	SDG No.:	Q3371
Lab Sample ID:	VX1020WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/20/25 15:23	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/20/25 15:23	VX102025
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/20/25 15:23	VX102025
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/20/25 15:23	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/20/25 15:23	VX102025
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/20/25 15:23	VX102025
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/20/25 15:23	VX102025
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	56.9			81 - 118		114%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.0			80 - 119		106%	SPK: 50		
2037-26-5	Toluene-d8	51.2			89 - 112		102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.1			85 - 114		104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	128000								
540-36-3	1,4-Difluorobenzene	221000								
3114-55-4	Chlorobenzene-d5	204000								
3855-82-1	1,4-Dichlorobenzene-d4	107000								

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1021WBL01	SDG No.:	Q3371
Lab Sample ID:	VX1021WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1021WBL01	SDG No.:	Q3371
Lab Sample ID:	VX1021WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/21/25 09:40	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	1	0.26	0.50	1.00	ug/L	10/21/25 09:40	VX102125
541-73-1	1,3-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
106-46-7	1,4-Dichlorobenzene	0.50	U	1	0.19	0.50	1.00	ug/L	10/21/25 09:40	VX102125
95-50-1	1,2-Dichlorobenzene	0.50	U	1	0.16	0.50	1.00	ug/L	10/21/25 09:40	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	1	0.53	0.75	1.00	ug/L	10/21/25 09:40	VX102125
120-82-1	1,2,4-Trichlorobenzene	0.50	U	1	0.20	0.50	1.00	ug/L	10/21/25 09:40	VX102125
87-61-6	1,2,3-Trichlorobenzene	0.75	U	1	0.20	0.75	1.00	ug/L	10/21/25 09:40	VX102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	52.5			81 - 118		105%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.1			80 - 119		94%	SPK: 50		
2037-26-5	Toluene-d8	46.4			89 - 112		93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.7			85 - 114		105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	122000								
540-36-3	1,4-Difluorobenzene	241000								
3114-55-4	Chlorobenzene-d5	248000								
3855-82-1	1,4-Dichlorobenzene-d4	127000								

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1020WBS01	SDG No.:	Q3371
Lab Sample ID:	VX1020WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	17.8		1	0.22	0.50	1.00	ug/L	10/20/25 15:50	VX102025
74-87-3	Chloromethane	19.4		1	0.32	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-01-4	Vinyl Chloride	19.2		1	0.26	0.75	1.00	ug/L	10/20/25 15:50	VX102025
74-83-9	Bromomethane	21.5		1	1.40	3.80	5.00	ug/L	10/20/25 15:50	VX102025
75-00-3	Chloroethane	21.1		1	0.47	0.75	1.00	ug/L	10/20/25 15:50	VX102025
75-69-4	Trichlorofluoromethane	18.7		1	0.33	0.50	1.00	ug/L	10/20/25 15:50	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		1	0.25	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-35-4	1,1-Dichloroethene	19.3		1	0.23	0.75	1.00	ug/L	10/20/25 15:50	VX102025
67-64-1	Acetone	85.7		1	1.50	3.80	5.00	ug/L	10/20/25 15:50	VX102025
75-15-0	Carbon Disulfide	17.9		1	0.21	0.75	1.00	ug/L	10/20/25 15:50	VX102025
1634-04-4	Methyl tert-butyl Ether	18.7		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
79-20-9	Methyl Acetate	19.7		1	0.27	0.75	1.00	ug/L	10/20/25 15:50	VX102025
75-09-2	Methylene Chloride	19.9		1	0.28	0.50	1.00	ug/L	10/20/25 15:50	VX102025
156-60-5	trans-1,2-Dichloroethene	19.5		1	0.23	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-34-3	1,1-Dichloroethane	18.8		1	0.23	0.50	1.00	ug/L	10/20/25 15:50	VX102025
110-82-7	Cyclohexane	18.7		1	1.50	2.50	5.00	ug/L	10/20/25 15:50	VX102025
78-93-3	2-Butanone	92.0		1	0.98	2.50	5.00	ug/L	10/20/25 15:50	VX102025
56-23-5	Carbon Tetrachloride	17.6		1	0.25	0.50	1.00	ug/L	10/20/25 15:50	VX102025
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.19	0.75	1.00	ug/L	10/20/25 15:50	VX102025
74-97-5	Bromochloromethane	21.4		1	0.22	0.50	1.00	ug/L	10/20/25 15:50	VX102025
67-66-3	Chloroform	19.3		1	0.25	0.50	1.00	ug/L	10/20/25 15:50	VX102025
71-55-6	1,1,1-Trichloroethane	18.8		1	0.20	0.50	1.00	ug/L	10/20/25 15:50	VX102025
108-87-2	Methylcyclohexane	17.3		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
71-43-2	Benzene	18.8		1	0.15	0.50	1.00	ug/L	10/20/25 15:50	VX102025
107-06-2	1,2-Dichloroethane	18.8		1	0.22	0.50	1.00	ug/L	10/20/25 15:50	VX102025
79-01-6	Trichloroethene	19.2		1	0.090	0.75	1.00	ug/L	10/20/25 15:50	VX102025
78-87-5	1,2-Dichloropropane	19.4		1	0.20	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-27-4	Bromodichloromethane	18.9		1	0.22	0.50	1.00	ug/L	10/20/25 15:50	VX102025
108-10-1	4-Methyl-2-Pentanone	94.8		1	0.68	2.50	5.00	ug/L	10/20/25 15:50	VX102025
108-88-3	Toluene	19.3		1	0.14	0.50	1.00	ug/L	10/20/25 15:50	VX102025
10061-02-6	t-1,3-Dichloropropene	18.9		1	0.17	0.50	1.00	ug/L	10/20/25 15:50	VX102025
10061-01-5	cis-1,3-Dichloropropene	19.0		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
79-00-5	1,1,2-Trichloroethane	19.5		1	0.21	0.50	1.00	ug/L	10/20/25 15:50	VX102025
591-78-6	2-Hexanone	94.6		1	0.89	2.50	5.00	ug/L	10/20/25 15:50	VX102025
124-48-1	Dibromochloromethane	18.5		1	0.18	0.50	1.00	ug/L	10/20/25 15:50	VX102025
106-93-4	1,2-Dibromoethane	19.1		1	0.15	0.50	1.00	ug/L	10/20/25 15:50	VX102025
127-18-4	Tetrachloroethene	17.7		1	0.23	0.50	1.00	ug/L	10/20/25 15:50	VX102025
108-90-7	Chlorobenzene	19.0		1	0.12	0.50	1.00	ug/L	10/20/25 15:50	VX102025
100-41-4	Ethyl Benzene	18.5		1	0.13	0.50	1.00	ug/L	10/20/25 15:50	VX102025
179601-23-1	m/p-Xylenes	38.5		1	0.24	1.00	2.00	ug/L	10/20/25 15:50	VX102025
95-47-6	o-Xylene	18.7		1	0.12	0.50	1.00	ug/L	10/20/25 15:50	VX102025
100-42-5	Styrene	19.1		1	0.15	0.50	1.00	ug/L	10/20/25 15:50	VX102025
75-25-2	Bromoform	18.6		1	0.19	0.50	1.00	ug/L	10/20/25 15:50	VX102025

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1020WBS01	SDG No.:	Q3371
Lab Sample ID:	VX1020WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	18.3		1	0.12	0.50	1.00	ug/L	10/20/25 15:50	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1	0.26	0.50	1.00	ug/L	10/20/25 15:50	VX102025
541-73-1	1,3-Dichlorobenzene	18.0		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
106-46-7	1,4-Dichlorobenzene	17.9		1	0.19	0.50	1.00	ug/L	10/20/25 15:50	VX102025
95-50-1	1,2-Dichlorobenzene	18.3		1	0.16	0.50	1.00	ug/L	10/20/25 15:50	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		1	0.53	0.75	1.00	ug/L	10/20/25 15:50	VX102025
120-82-1	1,2,4-Trichlorobenzene	16.1		1	0.20	0.50	1.00	ug/L	10/20/25 15:50	VX102025
87-61-6	1,2,3-Trichlorobenzene	16.8		1	0.20	0.75	1.00	ug/L	10/20/25 15:50	VX102025
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	51.7			81 - 118		103%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			80 - 119		102%	SPK: 50		
2037-26-5	Toluene-d8	51.9			89 - 112		104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.1			85 - 114		102%	SPK: 50		

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	135000
540-36-3	1,4-Difluorobenzene	222000
3114-55-4	Chlorobenzene-d5	201000
3855-82-1	1,4-Dichlorobenzene-d4	102000

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1021WBS01	SDG No.:	Q3371
Lab Sample ID:	VX1021WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1021WBS01	SDG No.:	Q3371
Lab Sample ID:	VX1021WBS01	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1020WBSD01	SDG No.:	Q3371
Lab Sample ID:	VX1020WBSD01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	17.4		1	0.22	0.50	1.00	ug/L	10/20/25 18:22	VX102025
74-87-3	Chloromethane	20.9		1	0.32	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-01-4	Vinyl Chloride	19.4		1	0.26	0.75	1.00	ug/L	10/20/25 18:22	VX102025
74-83-9	Bromomethane	21.5		1	1.40	3.80	5.00	ug/L	10/20/25 18:22	VX102025
75-00-3	Chloroethane	19.9		1	0.47	0.75	1.00	ug/L	10/20/25 18:22	VX102025
75-69-4	Trichlorofluoromethane	18.3		1	0.33	0.50	1.00	ug/L	10/20/25 18:22	VX102025
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-35-4	1,1-Dichloroethene	18.3		1	0.23	0.75	1.00	ug/L	10/20/25 18:22	VX102025
67-64-1	Acetone	86.3		1	1.50	3.80	5.00	ug/L	10/20/25 18:22	VX102025
75-15-0	Carbon Disulfide	17.2		1	0.21	0.75	1.00	ug/L	10/20/25 18:22	VX102025
1634-04-4	Methyl tert-butyl Ether	20.4		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
79-20-9	Methyl Acetate	20.2		1	0.27	0.75	1.00	ug/L	10/20/25 18:22	VX102025
75-09-2	Methylene Chloride	21.7		1	0.28	0.50	1.00	ug/L	10/20/25 18:22	VX102025
156-60-5	trans-1,2-Dichloroethene	19.0		1	0.23	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-34-3	1,1-Dichloroethane	19.5		1	0.23	0.50	1.00	ug/L	10/20/25 18:22	VX102025
110-82-7	Cyclohexane	18.1		1	1.50	2.50	5.00	ug/L	10/20/25 18:22	VX102025
78-93-3	2-Butanone	98.7		1	0.98	2.50	5.00	ug/L	10/20/25 18:22	VX102025
56-23-5	Carbon Tetrachloride	17.1		1	0.25	0.50	1.00	ug/L	10/20/25 18:22	VX102025
156-59-2	cis-1,2-Dichloroethene	19.9		1	0.19	0.75	1.00	ug/L	10/20/25 18:22	VX102025
74-97-5	Bromochloromethane	23.6		1	0.22	0.50	1.00	ug/L	10/20/25 18:22	VX102025
67-66-3	Chloroform	20.7		1	0.25	0.50	1.00	ug/L	10/20/25 18:22	VX102025
71-55-6	1,1,1-Trichloroethane	18.8		1	0.20	0.50	1.00	ug/L	10/20/25 18:22	VX102025
108-87-2	Methylcyclohexane	16.4		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
71-43-2	Benzene	18.9		1	0.15	0.50	1.00	ug/L	10/20/25 18:22	VX102025
107-06-2	1,2-Dichloroethane	20.1		1	0.22	0.50	1.00	ug/L	10/20/25 18:22	VX102025
79-01-6	Trichloroethene	18.2		1	0.090	0.75	1.00	ug/L	10/20/25 18:22	VX102025
78-87-5	1,2-Dichloropropane	20.4		1	0.20	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-27-4	Bromodichloromethane	19.8		1	0.22	0.50	1.00	ug/L	10/20/25 18:22	VX102025
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	2.50	5.00	ug/L	10/20/25 18:22	VX102025
108-88-3	Toluene	18.7		1	0.14	0.50	1.00	ug/L	10/20/25 18:22	VX102025
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.17	0.50	1.00	ug/L	10/20/25 18:22	VX102025
10061-01-5	cis-1,3-Dichloropropene	19.4		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
79-00-5	1,1,2-Trichloroethane	21.1		1	0.21	0.50	1.00	ug/L	10/20/25 18:22	VX102025
591-78-6	2-Hexanone	100		1	0.89	2.50	5.00	ug/L	10/20/25 18:22	VX102025
124-48-1	Dibromochloromethane	20.9		1	0.18	0.50	1.00	ug/L	10/20/25 18:22	VX102025
106-93-4	1,2-Dibromoethane	21.4		1	0.15	0.50	1.00	ug/L	10/20/25 18:22	VX102025
127-18-4	Tetrachloroethene	17.0		1	0.23	0.50	1.00	ug/L	10/20/25 18:22	VX102025
108-90-7	Chlorobenzene	19.0		1	0.12	0.50	1.00	ug/L	10/20/25 18:22	VX102025
100-41-4	Ethyl Benzene	17.8		1	0.13	0.50	1.00	ug/L	10/20/25 18:22	VX102025
179601-23-1	m/p-Xylenes	36.6		1	0.24	1.00	2.00	ug/L	10/20/25 18:22	VX102025
95-47-6	o-Xylene	18.4		1	0.12	0.50	1.00	ug/L	10/20/25 18:22	VX102025
100-42-5	Styrene	19.1		1	0.15	0.50	1.00	ug/L	10/20/25 18:22	VX102025
75-25-2	Bromoform	19.7		1	0.19	0.50	1.00	ug/L	10/20/25 18:22	VX102025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1020WBSD01	SDG No.:	Q3371
Lab Sample ID:	VX1020WBSD01	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	17.5		1	0.12	0.50	1.00	ug/L	10/20/25 18:22	VX102025
79-34-5	1,1,2,2-Tetrachloroethane	20.4		1	0.26	0.50	1.00	ug/L	10/20/25 18:22	VX102025
541-73-1	1,3-Dichlorobenzene	18.0		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
106-46-7	1,4-Dichlorobenzene	17.7		1	0.19	0.50	1.00	ug/L	10/20/25 18:22	VX102025
95-50-1	1,2-Dichlorobenzene	18.3		1	0.16	0.50	1.00	ug/L	10/20/25 18:22	VX102025
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		1	0.53	0.75	1.00	ug/L	10/20/25 18:22	VX102025
120-82-1	1,2,4-Trichlorobenzene	16.5		1	0.20	0.50	1.00	ug/L	10/20/25 18:22	VX102025
87-61-6	1,2,3-Trichlorobenzene	17.0		1	0.20	0.75	1.00	ug/L	10/20/25 18:22	VX102025
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	57.5			81 - 118		115%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.2			80 - 119		106%	SPK: 50		
2037-26-5	Toluene-d8	51.9			89 - 112		104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.1			85 - 114		104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	115000								
540-36-3	1,4-Difluorobenzene	196000								
3114-55-4	Chlorobenzene-d5	184000								
3855-82-1	1,4-Dichlorobenzene-d4	92700								

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3371

Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49

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

LAB FILE ID: RRF001 = VX048229.D RRF020 = VX048231.D RRF050 = VX048232.D
RRF100 = VX048233.D RRF150 = VX048234.D RRF005 = VX048236.D

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

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3371

Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49

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

LAB FILE ID: RRF001 = VX048229.D RRF020 = VX048231.D RRF050 = VX048232.D
RRF100 = VX048233.D RRF150 = VX048234.D RRF005 = VX048236.D

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

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3371
Instrument ID: MSVOA_X
Calibration Date/Time: 10/20/2025 19:25
Lab File ID: VX048250.D
Init. Calib. Date(s): 10/20/2025 10/20/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 10:59 13:49
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.390		-24.13	50
Chloromethane	0.480	0.382	0.1	-20.42	50
Vinyl Chloride	0.444	0.366		-17.57	50
Bromomethane	0.302	0.257		-14.9	50
Chloroethane	0.261	0.226		-13.41	50
Trichlorofluoromethane	0.852	0.698		-18.08	50
1,1,2-Trichlorotrifluoroethane	0.540	0.436		-19.26	50
1,1-Dichloroethene	0.525	0.438		-16.57	50
Acetone	0.240	0.168		-30	50
Carbon Disulfide	1.654	1.268		-23.34	50
Methyl tert-butyl Ether	1.791	1.597		-10.83	50
Methyl Acetate	0.502	0.453		-9.76	50
Methylene Chloride	0.586	0.524		-10.58	50
trans-1,2-Dichloroethene	0.577	0.499		-13.52	50
1,1-Dichloroethane	1.051	0.916	0.1	-12.85	50
Cyclohexane	0.870	0.750		-13.79	50
2-Butanone	0.304	0.257		-15.46	50
Carbon Tetrachloride	0.599	0.454		-24.21	50
cis-1,2-Dichloroethene	0.673	0.594		-11.74	50
Bromochloromethane	0.436	0.446		2.29	50
Chloroform	1.123	0.970		-13.62	50
1,1,1-Trichloroethane	1.035	0.882		-14.78	50
Methylcyclohexane	0.573	0.450		-21.47	50
Benzene	1.409	1.178		-16.4	50
1,2-Dichloroethane	0.520	0.431		-17.11	50
Trichloroethene	0.372	0.306		-17.74	50
1,2-Dichloropropane	0.335	0.289		-13.73	50
Bromodichloromethane	0.563	0.468		-16.87	50
4-Methyl-2-Pentanone	0.381	0.326		-14.44	50
Toluene	0.895	0.741		-17.21	50
t-1,3-Dichloropropene	0.543	0.460		-15.28	50
cis-1,3-Dichloropropene	0.586	0.492		-16.04	50
1,1,2-Trichloroethane	0.333	0.282		-15.31	50
2-Hexanone	0.266	0.224		-15.79	50
Dibromochloromethane	0.447	0.366		-18.12	50
1,2-Dibromoethane	0.355	0.301		-15.21	50
Tetrachloroethene	0.373	0.280		-24.93	50
Chlorobenzene	1.125	0.895	0.3	-20.44	50

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3371

Instrument ID: MSVOA_X Calibration Date/Time: 10/20/2025 19:25

Lab File ID: VX048250.D Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.531		-20.05	50
m/p-Xylenes	0.712	0.582		-18.26	50
o-Xylene	0.687	0.558		-18.78	50
Styrene	1.170	0.976		-16.58	50
Bromoform	0.330	0.259	0.1	-21.51	50
Isopropylbenzene	3.652	2.868		-21.47	50
1,1,2,2-Tetrachloroethane	0.997	0.804	0.3	-19.36	50
1,3-Dichlorobenzene	1.726	1.338		-22.48	50
1,4-Dichlorobenzene	1.788	1.344		-24.83	50
1,2-Dichlorobenzene	1.621	1.253		-22.7	50
1,2-Dibromo-3-Chloropropane	0.202	0.163		-19.31	50
1,2,4-Trichlorobenzene	1.096	0.800		-27.01	50
1,2,3-Trichlorobenzene	1.006	0.753		-25.15	50
1,2-Dichloroethane-d4	0.701	0.653		-6.85	50
Dibromofluoromethane	0.341	0.312		-8.5	50
Toluene-d8	1.196	1.070		-10.53	50
4-Bromofluorobenzene	0.455	0.424		-6.81	50

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3371
Instrument ID: MSVOA_X
Calibration Date/Time: 10/21/2025 08:43
Lab File ID: VX048252.D
Init. Calib. Date(s): 10/20/2025 10/20/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 10:59 13:49
GC Column: DB-624UI ID: 0.18 (mm)

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

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3371

Instrument ID: MSVOA_X Calibration Date/Time: 10/21/2025 08:43

Lab File ID: VX048252.D Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49

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

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

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3371

Instrument ID: MSVOA_X Calibration Date/Time: 10/21/2025 18:09

Lab File ID: VX048278.D Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49

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

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

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3371

Instrument ID: MSVOA_X Calibration Date/Time: 10/21/2025 18:09

Lab File ID: VX048278.D Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49

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

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

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

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LAB CHRONICLE

OrderID:	Q3371	**OrderDate:**	10/16/2025 4:13:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3371-02	**BP-VPB-184-EB-20251016**	**Water**			**10/16/25**			**10/16/25**
			SVOC-SIMGroup1	8270-Modified		10/20/25	10/20/25	
Q3371-03	**VPB184-HYD-20251010**	**Water**			**10/10/25**			**10/16/25**
			SVOC-SIMGroup1	8270-Modified		10/20/25	10/20/25	
Q3371-05	**BP-VPB-184-GW-920-922**	**Water**			**10/15/25**			**10/16/25**
			SVOC-SIMGroup1	8270-Modified		10/20/25	10/20/25	
Q3371-06	**VPB184-HYD-202510 16**	**Water**			**10/16/25**			**10/16/25**
			SVOC-SIMGroup1	8270-Modified		10/20/25	10/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3371

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : BP-VPB-184-EB-20251016								
Q3371-02	BP-VPB-184-EB-202510 WATER	1,4-Dioxane	0.090	J	0.07	0.22	0.22	ug/L
		Total Svoc :			**0.09**			
		Total Concentration:			**0.09**			
Client ID : VPB184-HYD-20251016								
Q3371-06	VPB184-HYD-20251016 WATER	1,4-Dioxane	0.070	J	0.07	0.2	0.2	ug/L
		Total Svoc :			**0.07**			
		Total Concentration:			**0.07**			

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-EB-20251016	SDG No.:	Q3371
Lab Sample ID:	Q3371-02	Matrix:	Water
Analytical Method:	SW8270ESIM Level : LOW	% Solid:	0
Sample Wt/Vol:	900 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.090	J	1	0.070	0.22	0.22	ug/L	10/20/25 19:45	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.30			30 - 150		76%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.42			30 - 150		105%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			55 - 111		91%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.35			53 - 106		87%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.55	*		58 - 132		137%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	6200								
1146-65-2	Naphthalene-d8	16000								
15067-26-2	Acenaphthene-d10	8400								
1517-22-2	Phenanthrene-d10	17100								
1719-03-5	Chrysene-d12	15000								
1520-96-3	Perylene-d12	14500								

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	VPB184-HYD-20251010	SDG No.:	Q3371
Lab Sample ID:	Q3371-03	Matrix:	Water
Analytical Method:	SW8270ESIM Level : LOW	% Solid:	0
Sample Wt/Vol:	970 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.21	U	1	0.070	0.21	0.21	ug/L	10/20/25 20:21	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.016	*		30 - 150		4%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.042	*		30 - 150		10%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			55 - 111		86%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.34			53 - 106		84%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.55	*		58 - 132		137%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	7050								
1146-65-2	Naphthalene-d8	18600								
15067-26-2	Acenaphthene-d10	9630								
1517-22-2	Phenanthrene-d10	18000								
1719-03-5	Chrysene-d12	14000								
1520-96-3	Perylene-d12	12700								

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	BP-VPB-184-GW-920-922	SDG No.:	Q3371
Lab Sample ID:	Q3371-05	Matrix:	Water
Analytical Method:	SW8270ESIM Level : LOW	% Solid:	0
Sample Wt/Vol:	790 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.25	U	1	0.080	0.25	0.25	ug/L	10/20/25 20:58	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.29			30 - 150		73%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.41			30 - 150		101%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.35			55 - 111		88%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.33			53 - 106		83%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.55	*		58 - 132		137%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	7240								
1146-65-2	Naphthalene-d8	19100								
15067-26-2	Acenaphthene-d10	10100								
1517-22-2	Phenanthrene-d10	20200								
1719-03-5	Chrysene-d12	17500								
1520-96-3	Perylene-d12	17400								

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/16/25
Client Sample ID:	VPB184-HYD-20251016	SDG No.:	Q3371
Lab Sample ID:	Q3371-06	Matrix:	Water
Analytical Method:	SW8270ESIM Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.070	J	1	0.070	0.20	0.20	ug/L	10/20/25 21:34	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.014	*		30 - 150		4%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.043	*		30 - 150		11%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.31			55 - 111		77%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.32			53 - 106		79%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.52			58 - 132		131%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	7490								
1146-65-2	Naphthalene-d8	19900								
15067-26-2	Acenaphthene-d10	10200								
1517-22-2	Phenanthrene-d10	19700								
1719-03-5	Chrysene-d12	16600								
1520-96-3	Perylene-d12	14800								

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

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Surrogate Summary

SW-846

SDG No.: Q3371

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170167BL	PB170167BL	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
PB170167BS	PB170167BS	2-Methylnaphthalene-d10	0.4	0.40	99		30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.42	104		55	111
		2-Fluorobiphenyl	0.4	0.44	111	*	53	106
		Terphenyl-d14	0.4	0.51	127		58	132
PB170167BSD	PB170167BSD	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.31	78		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.42	105		53	106
		Terphenyl-d14	0.4	0.47	117		58	132
Q3371-02	BP-VPB-184-EB-20251016	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
		Fluoranthene-d10	0.4	0.42	105		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.55	137	*	58	132
Q3371-03	VPB184-HYD-20251010	2-Methylnaphthalene-d10	0.4	0.016	4	*	30	150
		Fluoranthene-d10	0.4	0.042	10	*	30	150
		Nitrobenzene-d5	0.4	0.34	86		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.55	137	*	58	132
Q3371-05	BP-VPB-184-GW-920-922	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.55	137	*	58	132
Q3371-06	VPB184-HYD-20251016	2-Methylnaphthalene-d10	0.4	0.014	4	*	30	150
		Fluoranthene-d10	0.4	0.043	11	*	30	150
		Nitrobenzene-d5	0.4	0.31	77		55	111
		2-Fluorobiphenyl	0.4	0.32	79		53	106
		Terphenyl-d14	0.4	0.52	131		58	132

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3371 **Analytical Method:** 8270-Modified

Client: Tetra Tech NUS, Inc. **DataFile:** BN038103.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170167BS	1,4-Dioxane	0.4	0.38	ug/L	95				70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3371 **Analytical Method:** 8270-Modified

Client: Tetra Tech NUS, Inc. **DataFile:** BN038104.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170167BSD	1,4-Dioxane	0.4	0.35	ug/L	88	8			70	130	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170167BL

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3371

Lab File ID: BN038102.D | Lab Sample ID: PB170167BL

Instrument ID: BNA_N | Date Extracted: 10/20/2025

Matrix: (soil/water) Water | Date Analyzed: 10/20/2025

Level: (low/med) LOW | Time Analyzed: 17:56

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170167BS	PB170167BS	BN038103.D	10/20/2025
PB170167BSD	PB170167BSD	BN038104.D	10/20/2025
BP-VPB-184-EB-20251016	Q3371-02	BN038105.D	10/20/2025
VPB184-HYD-20251010	Q3371-03	BN038106.D	10/20/2025
BP-VPB-184-GW-920-922	Q3371-05	BN038107.D	10/20/2025
VPB184-HYD-20251016	Q3371-06	BN038108.D	10/20/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3371

Lab File ID: BN037860.D | DFTPP Injection Date: 09/23/2025

Instrument ID: BNA_N | DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	72.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (20.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037861.D	09/23/2025	12:13
SSTDICC0.2	SSTDICC0.2	BN037862.D	09/23/2025	12:49
SSTDICCC0.4	SSTDICCC0.4	BN037863.D	09/23/2025	13:25
SSTDICC0.8	SSTDICC0.8	BN037864.D	09/23/2025	14:02
SSTDICC1.6	SSTDICC1.6	BN037865.D	09/23/2025	14:38
SSTDICC3.2	SSTDICC3.2	BN037866.D	09/23/2025	15:15
SSTDICC5.0	SSTDICC5.0	BN037867.D	09/23/2025	15:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3371

Lab File ID: BN038100.D | DFTPP Injection Date: 10/20/2025

Instrument ID: BNA_N | DFTPP Injection Time: 16:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	82.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038101.D	10/20/2025	17:20
PB170167BL	PB170167BL	BN038102.D	10/20/2025	17:56
PB170167BS	PB170167BS	BN038103.D	10/20/2025	18:33
PB170167BSD	PB170167BSD	BN038104.D	10/20/2025	19:09
BP-VPB-184-EB-20251016	Q3371-02	BN038105.D	10/20/2025	19:45
VPB184-HYD-20251010	Q3371-03	BN038106.D	10/20/2025	20:21
BP-VPB-184-GW-920-922	Q3371-05	BN038107.D	10/20/2025	20:58
VPB184-HYD-20251016	Q3371-06	BN038108.D	10/20/2025	21:34
SSTDCCC0.4EC	SSTDCCC0.4	BN038109.D	10/20/2025	22:10

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3371

Client ID : SSTDCCC0.4 Date Analyzed: 10/20/2025

Lab File ID: BN038101.D Time Analyzed: 17:20

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	8494	7.789	23762	10.58	12771	14.44
	UPPER LIMIT	16988	8.289	47524	11.084	25542	14.941
	LOWER LIMIT	4247	7.289	11881	10.084	6385.5	13.941
	EPA SAMPLE NO.						
01	PB170167BL	8486	7.79	21914	10.59	10397	14.45
02	PB170167BS	7519	7.79	19915	10.58	9572	14.44
03	PB170167BSD	15910	7.79	42753	10.58	20532	14.44
04	BP-VPB-184-EB-20251016	6197	7.79	16002	10.58	8401	14.44
05	VPB184-HYD-20251010	7049	7.79	18584	10.58	9633	14.44
06	BP-VPB-184-GW-920-922	7237	7.79	19084	10.58	10109	14.44
07	VPB184-HYD-20251016	7491	7.79	19850	10.58	10193	14.44

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3371

Client ID: SSTDCCC0.4 Date Analyzed: 10/20/2025

Lab File ID: BN038101.D Time Analyzed: 17:20

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	22871	17.198	16306	21.384	14546	23.701
	UPPER LIMIT	45742	17.698	32612	21.884	29092	24.201
	LOWER LIMIT	11435.5	16.698	8153	20.884	7273	23.201
	EPA SAMPLE NO.						
01	PB170167BL	17174	17.20	12295	21.38	12453	23.70
02	PB170167BS	16635	17.20	10986	21.38	10158	23.70
03	PB170167BSD	36706	17.20	24714	21.38	22637	23.70
04	BP-VPB-184-EB-20251016	17071	17.20	15030	21.38	14485	23.70
05	VPB184-HYD-20251010	18045	17.20	14009	21.38	12701	23.70
06	BP-VPB-184-GW-920-922	20161	17.20	17522	21.38	17404	23.69
07	VPB184-HYD-20251016	19689	17.20	16604	21.38	14840	23.69

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB170167BL	SDG No.:	Q3371
Lab Sample ID:	PB170167BL	Matrix:	Water
Analytical Method:	SW8270ESIM Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.20	U	1	0.070	0.20	0.20	ug/L	10/20/25 17:56	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.34			30 - 150		85%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.33			30 - 150		83%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			55 - 111		90%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.39			53 - 106		98%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.45			58 - 132		113%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	8490								
1146-65-2	Naphthalene-d8	21900								
15067-26-2	Acenaphthene-d10	10400								
1517-22-2	Phenanthrene-d10	17200								
1719-03-5	Chrysene-d12	12300								
1520-96-3	Perylene-d12	12500								

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB170167BS	SDG No.:	Q3371
Lab Sample ID:	PB170167BS	Matrix:	Water
Analytical Method:	SW8270ESIM Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.38		1	0.070	0.20	0.20	ug/L	10/20/25 18:33	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.40			30 - 150		99%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.34			30 - 150		85%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.42			55 - 111		104%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.44	*		53 - 106		111%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.51			58 - 132		127%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	7520								
1146-65-2	Naphthalene-d8	19900								
15067-26-2	Acenaphthene-d10	9570								
1517-22-2	Phenanthrene-d10	16600								
1719-03-5	Chrysene-d12	11000								
1520-96-3	Perylene-d12	10200								

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
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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB170167BSD	SDG No.:	Q3371
Lab Sample ID:	PB170167BSD	Matrix:	Water
Analytical Method:	SW8270ESIM Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.35		1	0.070	0.20	0.20	ug/L	10/20/25 19:09	PB170167
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.36			30 - 150		90%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.31			30 - 150		78%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.38			55 - 111		95%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.42			53 - 106		105%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.47			58 - 132		117%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	15900								
1146-65-2	Naphthalene-d8	42800								
15067-26-2	Acenaphthene-d10	20500								
1517-22-2	Phenanthrene-d10	36700								
1719-03-5	Chrysene-d12	24700								
1520-96-3	Perylene-d12	22600								

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 24 11:00:01 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037861.D 0.2 =BN037862.D 0.4 =BN037863.D 0.8 =BN037864.D 1.6 =BN037865.D 3.2 =BN037866.D 5 =BN037867.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.413	0.410	0.403	0.425	0.410	0.376	0.406	4.04	
3)		n-Nitrosodimet...	0.541	0.517	0.526	0.561	0.549	0.547	0.540	3.03	
4)	S	2-Fluorophenol	0.944	0.921	0.856	0.839	0.908	0.923	0.998	0.913	5.84
5)	S	Phenol-d6	1.190	1.200	1.118	1.088	1.211	1.236	1.353	1.199	7.15
6)		bis(2-Chloroet...	1.133	1.096	1.082	1.066	1.150	1.124	1.143	1.113	2.89
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.299	0.289	0.289	0.290	0.310	0.320	0.338	0.305	6.14
9)		Naphthalene	1.105	1.089	1.048	1.051	1.123	1.137	1.160	1.102	3.84
10)		Hexachlorobuta...	0.198	0.184	0.182	0.183	0.192	0.188	0.188	0.188	2.94
11)	SURR	2-Methylnaphth...	0.515	0.518	0.499	0.504	0.553	0.587	0.714	0.556	13.74
12)		2-Methylnaphth...	0.678	0.681	0.668	0.682	0.754	0.775	0.802	0.720	7.68
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.148	0.142	0.135	0.139	0.163	0.184		0.152	12.15
15)	S	2-Fluorobiphenyl	1.660	1.631	1.559	1.547	1.654	1.650	1.762	1.638	4.36
16)		Acenaphthylene	1.698	1.721	1.663	1.680	1.907	1.951	2.094	1.816	9.23
17)		Acenaphthene	1.262	1.230	1.198	1.208	1.351	1.371	1.437	1.294	7.16
18)		Fluorene	1.455	1.455	1.452	1.466	1.664	1.717	1.748	1.565	8.77
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.041	0.044	0.046	0.058	0.071	0.084	0.057	29.75	
21)		4-Bromophenyl-...	0.252	0.247	0.244	0.244	0.272	0.275	0.291	0.261	7.07
22)		Hexachlorobenzene	0.317	0.312	0.305	0.300	0.324	0.323	0.332	0.316	3.53
23)		Atrazine	0.180	0.181	0.172	0.178	0.205	0.224	0.249	0.199	14.70
24)		Pentachlorophenol	0.101	0.092	0.097	0.116	0.136		0.108	16.50	
25)		Phenanthrene	1.301	1.271	1.230	1.224	1.358	1.379	1.452	1.316	6.37
26)		Anthracene	1.034	1.035	1.023	1.057	1.209	1.275	1.361	1.142	12.10
27)	SURR	Fluoranthene-d10	0.880	0.918	0.887	0.900	1.004	1.085	1.370	1.006	17.59
28)		Fluoranthene	1.278	1.315	1.311	1.358	1.555	1.617	1.713	1.450	12.07
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.576	1.600	1.521	1.476	1.607	1.595	1.679	1.579	4.12
31)	S	Terphenyl-d14	0.799	0.791	0.753	0.735	0.798	0.809	0.893	0.797	6.34
32)		Benzo(a)anthra...	1.376	1.359	1.294	1.285	1.423	1.483	1.567	1.398	7.27
33)		Chrysene	1.508	1.526	1.462	1.446	1.559	1.512	1.569	1.512	3.03
34)		Bis(2-ethylhex...	0.592	0.487	0.476	0.518	0.569	0.676	0.553	13.57	
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN092325.M

36)		Indeno(1,2,3-c...	1.715	1.672	1.658	1.707	1.887	1.996	2.159	1.828	10.52
37)		Benzo(b)fluora...	1.599	1.606	1.641	1.590	1.810	1.848	1.981	1.725	8.95
38)		Benzo(k)fluora...	1.620	1.586	1.597	1.628	1.875	1.917	1.926	1.736	9.26
39)	C	Benzo(a)pyrene	1.254	1.296	1.231	1.254	1.413	1.492	1.610	1.364	10.61
40)		Dibenzo(a,h)an...	1.285	1.283	1.303	1.333	1.495	1.587	1.705	1.427	11.87
41)		Benzo(g,h,i)pe...	1.407	1.381	1.404	1.397	1.521	1.613	1.773	1.499	9.85

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3371

Instrument ID: BNA_N Calibration Date/Time: 10/20/2025 17:20

Lab File ID: BN038101.D Init. Calib. Date(s): 09/23/2025 09/23/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:13 15:51

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.539		-3.1	20.0
Fluoranthene-d10	1.006	0.870		-13.5	20.0
2-Fluorophenol	0.913	0.879		-3.7	20.0
Phenol-d6	1.199	1.019		-15.0	20.0
Nitrobenzene-d5	0.305	0.277		-9.2	20.0
2-Fluorobiphenyl	1.638	1.602		-2.2	20.0
2,4,6-Tribromophenol	0.152	0.135		-11.2	20.0
Terphenyl-d14	0.797	0.829		4.0	20.0
1,4-Dioxane	0.406	0.472		16.3	20.0

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3371

Instrument ID: BNA_N Calibration Date/Time: 10/20/2025 22:10

Lab File ID: BN038109.D Init. Calib. Date(s): 09/23/2025 09/23/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 12:13 15:51

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.519		-6.7	50.0
Fluoranthene-d10	1.006	0.890		-11.5	50.0
2-Fluorophenol	0.913	0.912		-0.1	50.0
Phenol-d6	1.199	1.015		-15.3	50.0
Nitrobenzene-d5	0.305	0.273		-10.5	50.0
2-Fluorobiphenyl	1.638	1.528		-6.7	50.0
2,4,6-Tribromophenol	0.152	0.126		-17.1	50.0
Terphenyl-d14	0.797	0.855		7.3	50.0
1,4-Dioxane	0.406	0.486		19.7	50.0

All other compounds must meet a minimum RRF of 0.010.