

Report of Analysis

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

Level: LOW
Final Vol: 5000 uL

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

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

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Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/20/25
Client Sample ID:	BP-VPB-184-TB-20251017	SDG No.:	Q3413
Lab Sample ID:	Q3413-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC-TCLVOA-10
	Level : LOW		
	Final Vol: 5000 uL		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products