

LAB CHRONICLE

OrderID:	Q3165	OrderDate:	9/22/2025 4:07:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3165-01	BP-VPB-184-TB-2025 0919	Water			09/19/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-02	VPB184-HYD-202509 19	Water			09/19/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-03	BP-VPB-184-GW-240- 242	Water			09/19/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-04	BP-VPB-184-GW-260- 262	Water			09/19/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-05	BP-VPB-184-GW-280- 282	Water			09/22/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-06	BP-VPB-184-DUP-202 50922	Water			09/22/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-07	BP-VPB-184-GW-300- 302	Water			09/22/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-08	BP-VPB-184-GW-320- 322	Water			09/22/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	

Hit Summary Sheet
SW-846

SDG No.: Q3165
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	BP-VPB-184-GW-240-242								
Q3165-03	BP-VPB-184-GW-2 Water	Chloromethane		0.67	J	0.32	0.50	1.00	ug/L
Q3165-03	BP-VPB-184-GW-2 Water	Acetone		10.8		1.50	3.80	5.00	ug/L
Q3165-03	BP-VPB-184-GW-2 Water	Carbon Disulfide		0.60	J	0.21	0.75	1.00	ug/L
		Total Voc :		12.1					
		Total Concentration:		12.1					
Client ID:	BP-VPB-184-GW-260-262								
Q3165-04	BP-VPB-184-GW-2 Water	Acetone		8.30		1.50	3.80	5.00	ug/L
Q3165-04	BP-VPB-184-GW-2 Water	Carbon Disulfide		0.33	J	0.21	0.75	1.00	ug/L
		Total Voc :		8.63					
		Total Concentration:		8.63					
Client ID:	BP-VPB-184-GW-280-282								
Q3165-05	BP-VPB-184-GW-2 Water	Chloromethane		0.57	J	0.32	0.50	1.00	ug/L
Q3165-05	BP-VPB-184-GW-2 Water	Acetone		9.40		1.50	3.80	5.00	ug/L
Q3165-05	BP-VPB-184-GW-2 Water	Carbon Disulfide		0.74	J	0.21	0.75	1.00	ug/L
Q3165-05	BP-VPB-184-GW-2 Water	2-Butanone		2.00	J	0.98	2.50	5.00	ug/L
		Total Voc :		12.7					
		Total Concentration:		12.7					
Client ID:	BP-VPB-184-DUP-20250922								
Q3165-06	BP-VPB-184-DUP- Water	Chloromethane		0.63	J	0.32	0.50	1.00	ug/L
Q3165-06	BP-VPB-184-DUP- Water	Acetone		9.50		1.50	3.80	5.00	ug/L
Q3165-06	BP-VPB-184-DUP- Water	Carbon Disulfide		0.80	J	0.21	0.75	1.00	ug/L
		Total Voc :		10.9					
		Total Concentration:		10.9					
Client ID:	BP-VPB-184-GW-300-302								
Q3165-07	BP-VPB-184-GW-3 Water	Chloromethane		0.74	J	0.32	0.50	1.00	ug/L
Q3165-07	BP-VPB-184-GW-3 Water	Acetone		16.2		1.50	3.80	5.00	ug/L
Q3165-07	BP-VPB-184-GW-3 Water	Carbon Disulfide		0.71	J	0.21	0.75	1.00	ug/L
Q3165-07	BP-VPB-184-GW-3 Water	2-Butanone		3.50	J	0.98	2.50	5.00	ug/L
		Total Voc :		21.1					
		Total Concentration:		21.1					
Client ID:	BP-VPB-184-GW-320-322								
Q3165-08	BP-VPB-184-GW-3 Water	Chloromethane		0.46	J	0.32	0.50	1.00	ug/L
Q3165-08	BP-VPB-184-GW-3 Water	Acetone		8.70		1.50	3.80	5.00	ug/L
Q3165-08	BP-VPB-184-GW-3 Water	Carbon Disulfide		0.40	J	0.21	0.75	1.00	ug/L
		Total Voc :		9.56					
		Total Concentration:		9.56					



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-TB-20250919		SDG No.:	Q3165	
Lab Sample ID:	Q3165-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047801.D	1	09/25/25 11:24	VX092525

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-TB-20250919	SDG No.:	Q3165
Lab Sample ID:	Q3165-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047801.D	1	09/25/25 11:24	VX092525

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-TB-20250919		SDG No.:	Q3165	
Lab Sample ID:	Q3165-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047801.D	1	09/25/25 11:24	VX092525

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	VPB184-HYD-20250919		SDG No.:	Q3165	
Lab Sample ID:	Q3165-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047800.D	1	09/25/25 11:03	VX092525

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	VPB184-HYD-20250919	SDG No.:	Q3165
Lab Sample ID:	Q3165-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047800.D	1	09/25/25 11:03	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.537				
540-36-3	1,4-Difluorobenzene	251000	6.745				
3114-55-4	Chlorobenzene-d5	253000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	VPB184-HYD-20250919		SDG No.:	Q3165
Lab Sample ID:	Q3165-02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047800.D	1	09/25/25 11:03	VX092525

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-240-242		SDG No.:	Q3165	
Lab Sample ID:	Q3165-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047802.D	1	09/25/25 11:46	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.67	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	10.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.60	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-240-242	SDG No.:	Q3165
Lab Sample ID:	Q3165-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047802.D	1	09/25/25 11:46	VX092525

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-240-242		SDG No.:	Q3165	
Lab Sample ID:	Q3165-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047802.D	1	09/25/25 11:46	VX092525

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-260-262		SDG No.:	Q3165	
Lab Sample ID:	Q3165-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047803.D	1	09/25/25 12:07	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	8.30		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.33	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-260-262	SDG No.:	Q3165
Lab Sample ID:	Q3165-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047803.D	1	09/25/25 12:07	VX092525

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-260-262		SDG No.:	Q3165
Lab Sample ID:	Q3165-04		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047803.D	1	09/25/25 12:07	VX092525

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-280-282		SDG No.:	Q3165	
Lab Sample ID:	Q3165-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047804.D	1	09/25/25 12:28	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.57	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	9.40		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.74	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.00	J	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-280-282			SDG No.:	Q3165
Lab Sample ID:	Q3165-05			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047804.D	1	09/25/25 12:28	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.544				
540-36-3	1,4-Difluorobenzene	261000	6.751				
3114-55-4	Chlorobenzene-d5	267000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	135000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-280-282		SDG No.:	Q3165	
Lab Sample ID:	Q3165-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047804.D	1	09/25/25 12:28	VX092525

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-DUP-20250922		SDG No.:	Q3165	
Lab Sample ID:	Q3165-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047805.D	1	09/25/25 12:49	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.63	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	9.50		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.80	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-DUP-20250922			SDG No.:	Q3165
Lab Sample ID:	Q3165-06			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047805.D	1	09/25/25 12:49	VX092525

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-DUP-20250922		SDG No.:	Q3165
Lab Sample ID:	Q3165-06		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047805.D	1	09/25/25 12:49	VX092525

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-300-302		SDG No.:	Q3165	
Lab Sample ID:	Q3165-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047806.D	1	09/25/25 13:10	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.74	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	16.2		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.71	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	3.50	J	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-300-302	SDG No.:	Q3165
Lab Sample ID:	Q3165-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047806.D	1	09/25/25 13:10	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.9		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.544				
540-36-3	1,4-Difluorobenzene	254000	6.745				
3114-55-4	Chlorobenzene-d5	262000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	127000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-300-302		SDG No.:	Q3165	
Lab Sample ID:	Q3165-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047806.D	1	09/25/25 13:10	VX092525

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322		SDG No.:	Q3165	
Lab Sample ID:	Q3165-08		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047820.D	1	09/25/25 18:06	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.46	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	8.70		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.40	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	UM	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	UM	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	UM	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	UM	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	UM	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	UM	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UM	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	UM	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	UM	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	UM	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-320-322	SDG No.:	Q3165
Lab Sample ID:	Q3165-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047820.D	1	09/25/25 18:06	VX092525

[illegible]

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-320-322		SDG No.:	Q3165
Lab Sample ID:	Q3165-08		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047820.D	1	09/25/25 18:06	VX092525

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3165**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3165-01	BP-VPB-184-TB-20250919	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	47.9	96		89	112
		4-Bromofluorobenzene	50	52.4	105		85	114
Q3165-02	VPB184-HYD-20250919	1,2-Dichloroethane-d4	50	49.7	99		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	52.8	106		85	114
Q3165-03	BP-VPB-184-GW-240-242	1,2-Dichloroethane-d4	50	49.8	100		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	47.4	95		89	112
		4-Bromofluorobenzene	50	51.6	103		85	114
Q3165-04	BP-VPB-184-GW-260-262	1,2-Dichloroethane-d4	50	54.7	109		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	56.7	113		85	114
Q3165-05	BP-VPB-184-GW-280-282	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	48.6	97		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	54.3	109		85	114
Q3165-06	BP-VPB-184-DUP-20250922	1,2-Dichloroethane-d4	50	54.4	109		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q3165-07	BP-VPB-184-GW-300-302	1,2-Dichloroethane-d4	50	52.9	106		81	118
		Dibromofluoromethane	50	49.7	99		80	119
		Toluene-d8	50	49.6	99		89	112
		4-Bromofluorobenzene	50	54.3	109		85	114
Q3165-08	BP-VPB-184-GW-320-322	1,2-Dichloroethane-d4	50	53.9	108		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	55.6	111		85	114
Q3165-09MS	BP-VPB-184-GW-320-322MS	1,2-Dichloroethane-d4	50	57.0	114		81	118
		Dibromofluoromethane	50	53.2	106		80	119
		Toluene-d8	50	50.7	101		89	112
		4-Bromofluorobenzene	50	53.3	107		85	114
Q3165-10MSD	BP-VPB-184-GW-320-322MSD	1,2-Dichloroethane-d4	50	61.8	124	*	81	118
		Dibromofluoromethane	50	56.6	113		80	119
		Toluene-d8	50	49.9	100		89	112
		4-Bromofluorobenzene	50	46.0	92		85	114
VX0925WBL01	VX0925WBL01	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	53.3	107		85	114
VX0925WBS01	VX0925WBS01	1,2-Dichloroethane-d4	50	53.3	107		81	118
		Dibromofluoromethane	50	52.0	104		80	119
		Toluene-d8	50	50.2	100		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method:

SW8260-Low

Client: Tetra Tech NUS, Inc.

Datafile :

VX047821.D

		Sample				Rec	RPD	Limits			
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3165-09MS	Client Sample ID :	BP-VPB-184-GW-320-322MS								
Dichlorodifluoromethane	50	0	54.6	ug/L	109				32	152	
Chloromethane	50	0.46	53.5	ug/L	106				50	139	
Vinyl chloride	50	0	54.3	ug/L	109				58	137	
Bromomethane	50	0	51.5	ug/L	103				53	141	
Chloroethane	50	0	52.9	ug/L	106				60	138	
Trichlorofluoromethane	50	0	51.7	ug/L	103				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	48.6	ug/L	97				70	136	
1,1-Dichloroethene	50	0	51.8	ug/L	104				71	131	
Acetone	250	8.70	240	ug/L	93				39	160	
Carbon disulfide	50	0.40	51.7	ug/L	103				64	133	
Methyl tert-butyl Ether	50	0	52.5	ug/L	105				71	124	
Methyl Acetate	50	0	41.6	ug/L	83				56	136	
Methylene Chloride	50	0	52.6	ug/L	105				74	124	
trans-1,2-Dichloroethene	50	0	53.5	ug/L	107				75	124	
1,1-Dichloroethane	50	0	53.4	ug/L	107				77	125	
Cyclohexane	50	0	46.7	ug/L	93				71	130	
2-Butanone	250	0	270	ug/L	108				56	143	
Carbon Tetrachloride	50	0	46.4	ug/L	93				72	136	
cis-1,2-Dichloroethene	50	0	52.3	ug/L	105				78	123	
Bromochloromethane	50	0	56.6	ug/L	113				78	123	
Chloroform	50	0	53.8	ug/L	108				79	124	
1,1,1-Trichloroethane	50	0	50.8	ug/L	102				74	131	
Methylcyclohexane	50	0	40.4	ug/L	81				72	132	
Benzene	50	0	49.7	ug/L	99				79	120	
1,2-Dichloroethane	50	0	48.4	ug/L	97				73	128	
Trichloroethene	50	0	48.2	ug/L	96				79	123	
1,2-Dichloropropane	50	0	50.2	ug/L	100				78	122	
Bromodichloromethane	50	0	50.0	ug/L	100				79	125	
4-Methyl-2-Pentanone	250	0	280	ug/L	112				67	130	
Toluene	50	0	48.9	ug/L	98				80	121	
t-1,3-Dichloropropene	50	0	40.7	ug/L	81				73	127	
cis-1,3-Dichloropropene	50	0	41.0	ug/L	82				75	124	
1,1,2-Trichloroethane	50	0	51.5	ug/L	103				80	119	
2-Hexanone	250	0	260	ug/L	104				57	139	
Dibromochloromethane	50	0	51.3	ug/L	103				74	126	
1,2-Dibromoethane	50	0	53.0	ug/L	106				77	121	
Tetrachloroethene	50	0	42.4	ug/L	85				74	129	
Chlorobenzene	50	0	45.7	ug/L	91				82	118	
Ethyl Benzene	50	0	44.9	ug/L	90				79	121	
m/p-Xylenes	100	0	90.5	ug/L	91				80	121	
o-Xylene	50	0	45.5	ug/L	91				78	122	
Styrene	50	0	42.5	ug/L	85				78	123	
Bromoform	50	0	47.8	ug/L	96				66	130	
Isopropylbenzene	50	0	42.3	ug/L	85				72	131	
1,1,2,2-Tetrachloroethane	50	0	48.3	ug/L	97				71	121	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method: SW8260-Low

Client: Tetra Tech NUS, Inc.

Datafile : VX047821.D

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	42.3	ug/L	85				80	119	
1,4-Dichlorobenzene	50	0	42.3	ug/L	85				79	118	
1,2-Dichlorobenzene	50	0	44.3	ug/L	89				80	119	
1,2-Dibromo-3-Chloropropane	50	0	46.4	ug/L	93				62	128	
1,2,4-Trichlorobenzene	50	0	39.1	ug/L	78				69	130	
1,2,3-Trichlorobenzene	50	0	41.1	ug/L	82				69	129	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method: SW8260-Low

Client: Tetra Tech NUS, Inc.

Datafile : VX047822.D

Parameter	Spike	Sample	Result	Units	Rec		RPD		Limits		RPD
		Result			Qual	RPD	Qual	Low	High		
Lab Sample ID :	Q3165-10MSD	Client Sample ID :	BP-VPB-184-GW-320-322MSD								
Dichlorodifluoromethane	50	0	53.8	ug/L	108		1		32	152	20
Chloromethane	50	0.46	68.2	ug/L	135		24	*	50	139	20
Vinyl chloride	50	0	63.8	ug/L	128		16		58	137	20
Bromomethane	50	0	65.0	ug/L	130		23	*	53	141	20
Chloroethane	50	0	66.2	ug/L	132		22	*	60	138	20
Trichlorofluoromethane	50	0	52.9	ug/L	106		2		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	41.7	ug/L	83		15		70	136	20
1,1-Dichloroethene	50	0	61.8	ug/L	124		18		71	131	20
Acetone	250	8.70	300	ug/L	117		23	*	39	160	20
Carbon disulfide	50	0.40	44.3	ug/L	88		16		64	133	20
Methyl tert-butyl Ether	50	0	68.1	ug/L	136	*	26	*	71	124	20
Methyl Acetate	50	0	56.1	ug/L	112		30	*	56	136	20
Methylene Chloride	50	0	67.0	ug/L	134	*	24	*	74	124	20
trans-1,2-Dichloroethene	50	0	57.7	ug/L	115		8		75	124	20
1,1-Dichloroethane	50	0	65.2	ug/L	130	*	20		77	125	20
Cyclohexane	50	0	37.5	ug/L	75		22	*	71	130	20
2-Butanone	250	0	360	ug/L	144	*	29	*	56	143	20
Carbon Tetrachloride	50	0	35.6	ug/L	71	*	26	*	72	136	20
cis-1,2-Dichloroethene	50	0	63.6	ug/L	127	*	19		78	123	20
Bromochloromethane	50	0	66.6	ug/L	133	*	16		78	123	20
Chloroform	50	0	69.3	ug/L	139	*	25	*	79	124	20
1,1,1-Trichloroethane	50	0	58.7	ug/L	117		14		74	131	20
Methylcyclohexane	50	0	27.2	ug/L	54	*	39	*	72	132	20
Benzene	50	0	58.2	ug/L	116		16		79	120	20
1,2-Dichloroethane	50	0	59.7	ug/L	119		21	*	73	128	20
Trichloroethene	50	0	56.2	ug/L	112		15		79	123	20
1,2-Dichloropropane	50	0	61.1	ug/L	122		20		78	122	20
Bromodichloromethane	50	0	44.8	ug/L	90		11		79	125	20
4-Methyl-2-Pentanone	250	0	350	ug/L	140	*	22	*	67	130	20
Toluene	50	0	53.2	ug/L	106		8		80	121	20
t-1,3-Dichloropropene	50	0	42.1	ug/L	84		3		73	127	20
cis-1,3-Dichloropropene	50	0	42.4	ug/L	85		3		75	124	20
1,1,2-Trichloroethane	50	0	64.7	ug/L	129	*	23	*	80	119	20
2-Hexanone	250	0	340	ug/L	136		27	*	57	139	20
Dibromochloromethane	50	0	44.0	ug/L	88		15		74	126	20
1,2-Dibromoethane	50	0	63.4	ug/L	127	*	18		77	121	20
Tetrachloroethene	50	0	49.7	ug/L	99		16		74	129	20
Chlorobenzene	50	0	53.9	ug/L	108		16		82	118	20
Ethyl Benzene	50	0	49.0	ug/L	98		9		79	121	20
m/p-Xylenes	100	0	97.5	ug/L	98		7		80	121	20
o-Xylene	50	0	51.7	ug/L	103		13		78	122	20
Styrene	50	0	42.3	ug/L	85		0		78	123	20
Bromoform	50	0	43.1	ug/L	86		10		66	130	20
Isopropylbenzene	50	0	50.2	ug/L	100		17		72	131	20
1,1,2,2-Tetrachloroethane	50	0	76.6	ug/L	153	*	45	*	71	121	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method: SW8260-Low

Client: Tetra Tech NUS, Inc.

Datafile : VX047822.D

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
1,3-Dichlorobenzene	50	0	51.1	ug/L	102		19		80	119	20
1,4-Dichlorobenzene	50	0	50.8	ug/L	102		18		79	118	20
1,2-Dichlorobenzene	50	0	55.9	ug/L	112		23	*	80	119	20
1,2-Dibromo-3-Chloropropane	50	0	68.7	ug/L	137	*	39	*	62	128	20
1,2,4-Trichlorobenzene	50	0	42.8	ug/L	86		9		69	130	20
1,2,3-Trichlorobenzene	50	0	48.3	ug/L	97		16		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3165</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047798.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0925WBS01	Dichlorodifluoromethane	20	22.1	ug/L	111			32	152	
	Chloromethane	20	20.6	ug/L	103			50	139	
	Vinyl chloride	20	20.6	ug/L	103			58	137	
	Bromomethane	20	20.8	ug/L	104			53	141	
	Chloroethane	20	20.2	ug/L	101			60	138	
	Trichlorofluoromethane	20	19.8	ug/L	99			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102			70	136	
	1,1-Dichloroethene	20	19.3	ug/L	97			71	131	
	Acetone	100	96.4	ug/L	96			39	160	
	Carbon disulfide	20	19.6	ug/L	98			64	133	
	Methyl tert-butyl Ether	20	20.0	ug/L	100			71	124	
	Methyl Acetate	20	22.6	ug/L	113			56	136	
	Methylene Chloride	20	20.6	ug/L	103			74	124	
	trans-1,2-Dichloroethene	20	20.2	ug/L	101			75	124	
	1,1-Dichloroethane	20	20.4	ug/L	102			77	125	
	Cyclohexane	20	19.2	ug/L	96			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	18.2	ug/L	91			72	136	
	cis-1,2-Dichloroethene	20	20.3	ug/L	102			78	123	
	Bromochloromethane	20	20.0	ug/L	100			78	123	
	Chloroform	20	20.7	ug/L	104			79	124	
	1,1,1-Trichloroethane	20	19.8	ug/L	99			74	131	
	Methylcyclohexane	20	17.8	ug/L	89			72	132	
	Benzene	20	19.9	ug/L	100			79	120	
	1,2-Dichloroethane	20	19.5	ug/L	98			73	128	
	Trichloroethene	20	19.7	ug/L	99			79	123	
	1,2-Dichloropropane	20	20.1	ug/L	101			78	122	
	Bromodichloromethane	20	19.5	ug/L	98			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			73	127	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			75	124	
	1,1,2-Trichloroethane	20	21.0	ug/L	105			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.5	ug/L	103			74	126	
	1,2-Dibromoethane	20	20.8	ug/L	104			77	121	
	Tetrachloroethene	20	18.7	ug/L	94			74	129	
	Chlorobenzene	20	19.0	ug/L	95			82	118	
	Ethyl Benzene	20	18.1	ug/L	91			79	121	
	m/p-Xylenes	40	37.6	ug/L	94			80	121	
	o-Xylene	20	18.5	ug/L	93			78	122	
	Styrene	20	18.9	ug/L	95			78	123	
	Bromoform	20	19.6	ug/L	98			66	130	
	Isopropylbenzene	20	16.8	ug/L	84			72	131	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/L	95			71	121	
	1,3-Dichlorobenzene	20	17.5	ug/L	88			80	119	
	1,4-Dichlorobenzene	20	17.8	ug/L	89			79	118	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

		SW-846	
SDG No.:	<u>Q3165</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047798.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0925WBS01	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			62	128	
	1,2,4-Trichlorobenzene	20	16.2	ug/L	81			69	130	
	1,2,3-Trichlorobenzene	20	16.9	ug/L	85			69	129	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0925WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3165

Lab File ID: VX047797.D

Lab Sample ID: VX0925WBL01

Date Analyzed: 09/25/2025

Time Analyzed: 09:46

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
VX0925WBS01	VX0925WBS01	VX047798.D	09/25/2025
VPB184-HYD-20250919	Q3165-02	VX047800.D	09/25/2025
BP-VPB-184-TB-20250919	Q3165-01	VX047801.D	09/25/2025
BP-VPB-184-GW-240-242	Q3165-03	VX047802.D	09/25/2025
BP-VPB-184-GW-260-262	Q3165-04	VX047803.D	09/25/2025
BP-VPB-184-GW-280-282	Q3165-05	VX047804.D	09/25/2025
BP-VPB-184-DUP-20250922	Q3165-06	VX047805.D	09/25/2025
BP-VPB-184-GW-300-302	Q3165-07	VX047806.D	09/25/2025
BP-VPB-184-GW-320-322	Q3165-08	VX047820.D	09/25/2025
BP-VPB-184-GW-320-322MS	Q3165-09MS	VX047821.D	09/25/2025
BP-VPB-184-GW-320-322MSD	Q3165-10MSD	VX047822.D	09/25/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

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

Contract: TETR06
SDG NO.: Q3165
BFB Injection Date: 09/16/2025
BFB Injection Time: 08:56
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX047585.D	09/16/2025	09:23
VSTDIC005	VSTDIC005	VX047586.D	09/16/2025	10:16
VSTDIC020	VSTDIC020	VX047587.D	09/16/2025	10:37
VSTDIC050	VSTDIC050	VX047588.D	09/16/2025	10:58
VSTDIC100	VSTDIC100	VX047589.D	09/16/2025	11:40
VSTDIC150	VSTDIC150	VX047590.D	09/16/2025	12:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3165

Lab File ID: VX047794.D

BFB Injection Date: 09/25/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:24

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	20.1
75	30.0 - 60.0% of mass 95	52
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	69.9
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	67 (95.7) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047795.D	09/25/2025	08:56
VX0925WBL01	VX0925WBL01	VX047797.D	09/25/2025	09:46
VX0925WBS01	VX0925WBS01	VX047798.D	09/25/2025	10:13
VPB184-HYD-20250919	Q3165-02	VX047800.D	09/25/2025	11:03
BP-VPB-184-TB-20250919	Q3165-01	VX047801.D	09/25/2025	11:24
BP-VPB-184-GW-240-242	Q3165-03	VX047802.D	09/25/2025	11:46
BP-VPB-184-GW-260-262	Q3165-04	VX047803.D	09/25/2025	12:07
BP-VPB-184-GW-280-282	Q3165-05	VX047804.D	09/25/2025	12:28
BP-VPB-184-DUP-20250922	Q3165-06	VX047805.D	09/25/2025	12:49
BP-VPB-184-GW-300-302	Q3165-07	VX047806.D	09/25/2025	13:10
BP-VPB-184-GW-320-322	Q3165-08	VX047820.D	09/25/2025	18:06
BP-VPB-184-GW-320-322MS	Q3165-09MS	VX047821.D	09/25/2025	18:27
BP-VPB-184-GW-320-322MSD	Q3165-10MSD	VX047822.D	09/25/2025	18:48
VSTDCCC050EC	VSTDCCC050	VX047823.D	09/25/2025	19:09

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3165</u>
Lab File ID:	<u>VX047795.D</u>	Date Analyzed:	<u>09/25/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:56</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	136107	5.53	245940	6.75	220262	10.04
UPPER LIMIT	272214	6.032	491880	7.245	440524	10.537
LOWER LIMIT	68053.5	5.032	122970	6.245	110131	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20250919	119517	5.54	255275	6.75	257309	10.04
VPB184-HYD-20250919	120300	5.54	251100	6.75	252620	10.04
BP-VPB-184-GW-240-242	123778	5.54	260434	6.75	265025	10.04
BP-VPB-184-GW-260-262	129350	5.54	276238	6.75	289210	10.04
BP-VPB-184-GW-280-282	122004	5.54	260982	6.75	266894	10.04
BP-VPB-184-DUP-20250922	118043	5.54	252631	6.74	261796	10.04
BP-VPB-184-GW-300-302	119390	5.54	254220	6.75	261705	10.04
BP-VPB-184-GW-320-322	130467	5.54	276215	6.75	285610	10.04
BP-VPB-184-GW-320-322MS	135494	5.54	257414	6.75	243581	10.04
BP-VPB-184-GW-320-322MSD	107908	5.54	210706	6.75	179962	10.04
VX0925WBL01	117291	5.54	245721	6.75	251657	10.04
VX0925WBS01	146604	5.54	268605	6.75	252515	10.04

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3165</u>
Lab File ID:	<u>VX047795.D</u>	Date Analyzed:	<u>09/25/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:56</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	107538	12.00€				
UPPER LIMIT	215076	12.50€				
LOWER LIMIT	53769	11.50€				
EPA SAMPLE NO.						
BP-VPB-184-TB-20250919	127824	12.01				
VPB184-HYD-20250919	124631	12.01				
BP-VPB-184-GW-240-242	130114	12.01				
BP-VPB-184-GW-260-262	151799	12.01				
BP-VPB-184-GW-280-282	134705	12.01				
BP-VPB-184-DUP-20250922	135087	12.01				
BP-VPB-184-GW-300-302	127218	12.01				
BP-VPB-184-GW-320-322	145772	12.01				
BP-VPB-184-GW-320-322MS	121955	12.01				
BP-VPB-184-GW-320-322MSD	77374	12.01				
VX0925WBL01	126490	12.01				
VX0925WBS01	131521	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBL01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047797.D	1	09/25/25 09:46	VX092525

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBL01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047797.D	1	09/25/25 09:46	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	117000	5.538				
540-36-3	1,4-Difluorobenzene	246000	6.745				
3114-55-4	Chlorobenzene-d5	252000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	126000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBL01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047797.D	1	09/25/25 09:46	VX092525

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBS01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047798.D	1	09/25/25 10:13	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	22.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	20.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	20.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	96.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.2		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.2		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.0		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.7		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.8		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.0		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBS01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047798.D	1	09/25/25 10:13	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	18.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	16.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.9		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.9		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147000	5.538				
540-36-3	1,4-Difluorobenzene	269000	6.745				
3114-55-4	Chlorobenzene-d5	253000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	132000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBS01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047798.D	1	09/25/25 10:13	VX092525

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322MS		SDG No.:	Q3165	
Lab Sample ID:	Q3165-09MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047821.D	1	09/25/25 18:27	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	54.6		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	53.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	54.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	51.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	52.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	51.7		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	240		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	51.7		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	52.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	41.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	52.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	53.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	46.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	270		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	46.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	52.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	56.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	53.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	40.4		0.16	0.50	1.00	ug/L
71-43-2	Benzene	49.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	48.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	48.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	50.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.68	2.50	5.00	ug/L
108-88-3	Toluene	48.9		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322MS		SDG No.:	Q3165	
Lab Sample ID:	Q3165-09MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047821.D	1	09/25/25 18:27	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	40.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	41.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	51.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	260		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	51.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.0		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	42.4		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	45.7		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	44.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	90.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	45.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	42.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	47.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	42.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	48.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	42.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	44.3		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	46.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	39.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	41.1		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.0		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	135000	5.538				
540-36-3	1,4-Difluorobenzene	257000	6.751				
3114-55-4	Chlorobenzene-d5	244000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322MS		SDG No.:	Q3165	
Lab Sample ID:	Q3165-09MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047821.D	1	09/25/25 18:27	VX092525

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322MSD		SDG No.:	Q3165	
Lab Sample ID:	Q3165-10MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047822.D	1	09/25/25 18:48	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	53.8		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	68.2		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	63.8		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	65.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	66.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	52.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	41.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	61.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	300		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	44.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	68.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	56.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	67.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	57.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	65.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	37.5		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	360		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	35.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	63.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	66.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	69.3		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	58.7		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	27.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	58.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	59.7		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	56.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	61.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	44.8		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	350		0.68	2.50	5.00	ug/L
108-88-3	Toluene	53.2		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322MSD		SDG No.:	Q3165	
Lab Sample ID:	Q3165-10MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047822.D	1	09/25/25 18:48	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	42.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	64.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	340		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	44.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	63.4		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	49.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	53.9		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	49.0		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	97.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	51.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	42.3		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	43.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	50.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	76.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	51.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	55.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	68.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	48.3		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.8	*	81 - 118		124%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		80 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	108000	5.544				
540-36-3	1,4-Difluorobenzene	211000	6.751				
3114-55-4	Chlorobenzene-d5	180000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	77400	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-320-322MSD		SDG No.:	Q3165
Lab Sample ID:	Q3165-10MSD		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047822.D	1	09/25/25 18:48	VX092525

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

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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>TETR06</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3165</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:23</u> <u>12:01</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/25/2025 08:56</u>
Lab File ID:	<u>VX047795.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.627		21.04	20
Chloromethane	0.680	0.789	0.1	16.03	20
Vinyl Chloride	0.666	0.779		16.97	20
Bromomethane	0.422	0.471		11.61	20
Chloroethane	0.445	0.495		11.24	20
Trichlorofluoromethane	0.989	1.083		9.51	20
1,1,2-Trichlorotrifluoroethane	0.578	0.618		6.92	20
1,1-Dichloroethene	0.594	0.663		11.62	20
Acetone	0.346	0.336		-2.89	20
Carbon Disulfide	1.626	1.765		8.55	20
Methyl tert-butyl Ether	2.169	2.414		11.3	20
Methyl Acetate	0.770	0.985		27.92	20
Methylene Chloride	0.732	0.817		11.61	20
trans-1,2-Dichloroethene	0.640	0.703		9.84	20
1,1-Dichloroethane	1.263	1.370	0.1	8.47	20
Cyclohexane	1.052	1.056		0.38	20
2-Butanone	0.432	0.496		14.81	20
Carbon Tetrachloride	0.532	0.538		1.13	20
cis-1,2-Dichloroethene	0.783	0.854		9.07	20
Bromochloromethane	0.551	0.621		12.7	20
Chloroform	1.276	1.421		11.36	20
1,1,1-Trichloroethane	1.082	1.142		5.55	20
Methylcyclohexane	0.556	0.530		-4.68	20
Benzene	1.488	1.598		7.39	20
1,2-Dichloroethane	0.566	0.594		4.95	20
Trichloroethene	0.360	0.380		5.56	20
1,2-Dichloropropane	0.381	0.418		9.71	20
Bromodichloromethane	0.572	0.613		7.17	20
4-Methyl-2-Pentanone	0.477	0.566		18.66	20
Toluene	0.917	0.962		4.91	20
t-1,3-Dichloropropene	0.584	0.544		-6.85	20
cis-1,3-Dichloropropene	0.624	0.601		-3.69	20
1,1,2-Trichloroethane	0.354	0.390		10.17	20
2-Hexanone	0.343	0.392		14.29	20
Dibromochloromethane	0.407	0.449		10.32	20
1,2-Dibromoethane	0.360	0.409		13.61	20
Tetrachloroethene	0.326	0.353		8.28	20
Chlorobenzene	1.136	1.192	0.3	4.93	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/25/2025</u> <u>08:56</u>
Lab File ID:	<u>VX047795.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.012		2.65	20
m/p-Xylenes	0.729	0.757		3.84	20
o-Xylene	0.706	0.737		4.39	20
Styrene	1.236	1.303		5.42	20
Bromoform	0.293	0.318	0.1	8.53	20
Isopropylbenzene	3.801	3.828		0.71	20
1,1,2,2-Tetrachloroethane	1.150	1.273	0.3	10.7	20
1,3-Dichlorobenzene	1.739	1.748		0.52	20
1,4-Dichlorobenzene	1.785	1.750		-1.96	20
1,2-Dichlorobenzene	1.657	1.689		1.93	20
1,2-Dibromo-3-Chloropropane	0.233	0.250		7.3	20
1,2,4-Trichlorobenzene	1.077	1.039		-3.53	20
1,2,3-Trichlorobenzene	1.002	1.016		1.4	20
1,2-Dichloroethane-d4	0.796	0.817		2.64	20
Dibromofluoromethane	0.335	0.351		4.78	20
Toluene-d8	1.160	1.182		1.9	20
4-Bromofluorobenzene	0.440	0.443		0.68	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/25/2025 19:09</u>
Lab File ID:	<u>VX047823.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.570		10.04	50
Chloromethane	0.680	0.706	0.1	3.82	50
Vinyl Chloride	0.666	0.715		7.36	50
Bromomethane	0.422	0.476		12.8	50
Chloroethane	0.445	0.468		5.17	50
Trichlorofluoromethane	0.989	1.012		2.33	50
1,1,2-Trichlorotrifluoroethane	0.578	0.582		0.69	50
1,1-Dichloroethene	0.594	0.611		2.86	50
Acetone	0.346	0.295		-14.74	50
Carbon Disulfide	1.626	1.666		2.46	50
Methyl tert-butyl Ether	2.169	2.267		4.52	50
Methyl Acetate	0.770	0.897		16.49	50
Methylene Chloride	0.732	0.760		3.83	50
trans-1,2-Dichloroethene	0.640	0.669		4.53	50
1,1-Dichloroethane	1.263	1.314	0.1	4.04	50
Cyclohexane	1.052	1.017		-3.33	50
2-Butanone	0.432	0.457		5.79	50
Carbon Tetrachloride	0.532	0.519		-2.44	50
cis-1,2-Dichloroethene	0.783	0.823		5.11	50
Bromochloromethane	0.551	0.605		9.8	50
Chloroform	1.276	1.355		6.19	50
1,1,1-Trichloroethane	1.082	1.111		2.68	50
Methylcyclohexane	0.556	0.527		-5.22	50
Benzene	1.488	1.537		3.29	50
1,2-Dichloroethane	0.566	0.566		0	50
Trichloroethene	0.360	0.370		2.78	50
1,2-Dichloropropane	0.381	0.403		5.77	50
Bromodichloromethane	0.572	0.597		4.37	50
4-Methyl-2-Pentanone	0.477	0.541		13.42	50
Toluene	0.917	0.955		4.14	50
t-1,3-Dichloropropene	0.584	0.574		-1.71	50
cis-1,3-Dichloropropene	0.624	0.627		0.48	50
1,1,2-Trichloroethane	0.354	0.385		8.76	50
2-Hexanone	0.343	0.377		9.91	50
Dibromochloromethane	0.407	0.444		9.09	50
1,2-Dibromoethane	0.360	0.402		11.67	50
Tetrachloroethene	0.326	0.327		0.31	50
Chlorobenzene	1.136	1.165	0.3	2.55	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/25/2025 19:09</u>
Lab File ID:	<u>VX047823.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.999		1.99	50
m/p-Xylenes	0.729	0.748		2.61	50
o-Xylene	0.706	0.733		3.82	50
Styrene	1.236	1.280		3.56	50
Bromoform	0.293	0.319	0.1	8.87	50
Isopropylbenzene	3.801	3.759		-1.11	50
1,1,2,2-Tetrachloroethane	1.150	1.240	0.3	7.83	50
1,3-Dichlorobenzene	1.739	1.729		-0.57	50
1,4-Dichlorobenzene	1.785	1.757		-1.57	50
1,2-Dichlorobenzene	1.657	1.693		2.17	50
1,2-Dibromo-3-Chloropropane	0.233	0.237		1.72	50
1,2,4-Trichlorobenzene	1.077	1.045		-2.97	50
1,2,3-Trichlorobenzene	1.002	1.018		1.6	50
1,2-Dichloroethane-d4	0.796	0.769		-3.39	50
Dibromofluoromethane	0.335	0.335		0	50
Toluene-d8	1.160	1.142		-1.55	50
4-Bromofluorobenzene	0.440	0.431		-2.05	50

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

LAB CHRONICLE

OrderID:	Q3165	OrderDate:	9/22/2025 4:07:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3165-02	VPB184-HYD-20250919	Water			09/19/25			09/22/25
			SVOC-SIMGroup1	8270-Modified		09/25/25	09/29/25	
Q3165-04	BP-VPB-184-GW-260-262	Water			09/19/25			09/22/25
			SVOC-SIMGroup1	8270-Modified		09/25/25	09/29/25	
Q3165-07	BP-VPB-184-GW-300-302	Water			09/22/25			09/22/25
			SVOC-SIMGroup1	8270-Modified		09/25/25	09/29/25	



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

Hit Summary Sheet SW-846

SDG No.: Q3165

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : BP-VPB-184-GW-260-262								
Q3165-04	BP-VPB-184-GW-260-262 WATER	1,4-Dioxane	0.430		0.08	0.24	0.24	ug/L
		Total Svoc :		0.43				
		Total Concentration:		0.43				
Client ID : BP-VPB-184-GW-300-302								
Q3165-07	BP-VPB-184-GW-300-302 WATER	1,4-Dioxane	0.210	J	0.09	0.26	0.26	ug/L
		Total Svoc :		0.21				
		Total Concentration:		0.21				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	VPB184-HYD-20250919	SDG No.:	Q3165
Lab Sample ID:	Q3165-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	900 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037935.D	1	09/25/25 11:00	09/29/25 13:55	PB169839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.22	U	0.070	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.0060	*	30 - 150		1%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.065	*	30 - 150		16%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		94%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		114%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8470	7.818				
1146-65-2	Naphthalene-d8	24200	10.616				
15067-26-2	Acenaphthene-d10	12400	14.473				
1517-22-2	Phenanthrene-d10	25700	17.223				
1719-03-5	Chrysene-d12	20800	21.402				
1520-96-3	Perylene-d12	17200	23.724				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-260-262	SDG No.:	Q3165
Lab Sample ID:	Q3165-04	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	840 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037936.D	1	09/25/25 11:00	09/29/25 14:32	PB169839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.43		0.080	0.24	0.24	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		85%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		108%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9860	7.818				
1146-65-2	Naphthalene-d8	30100	10.616				
15067-26-2	Acenaphthene-d10	16700	14.473				
1517-22-2	Phenanthrene-d10	35400	17.211				
1719-03-5	Chrysene-d12	36100	21.393				
1520-96-3	Perylene-d12	36300	23.721				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-300-302	SDG No.:	Q3165
Lab Sample ID:	Q3165-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	760 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037937.D	1	09/25/25 11:00	09/29/25 15:08	PB169839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	J	0.090	0.26	0.26	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		85%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.45		30 - 150		113%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8450	7.818				
1146-65-2	Naphthalene-d8	25700	10.616				
15067-26-2	Acenaphthene-d10	14600	14.473				
1517-22-2	Phenanthrene-d10	31200	17.211				
1719-03-5	Chrysene-d12	32100	21.402				
1520-96-3	Perylene-d12	35200	23.724				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3165

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169839BL	PB169839BL	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.38	94		53	106
		Terphenyl-d14	0.4	0.43	106		58	132
PB169839BS	PB169839BS	2-Methylnaphthalene-d10	0.4	0.37	91		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
PB169839BSD	PB169839BSD	2-Methylnaphthalene-d10	0.4	0.36	91		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
Q3165-02	VPB184-HYD-20250919	2-Methylnaphthalene-d10	0.4	0.0060	1	*	30	150
		Fluoranthene-d10	0.4	0.065	16	*	30	150
		Nitrobenzene-d5	0.4	0.38	94		55	111
		2-Fluorobiphenyl	0.4	0.36	91		53	106
		Terphenyl-d14	0.4	0.46	114		58	132
Q3165-04	BP-VPB-184-GW-260-262	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
		Fluoranthene-d10	0.4	0.46	115		30	150
		Nitrobenzene-d5	0.4	0.32	81		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.43	108		58	132
Q3165-07	BP-VPB-184-GW-300-302	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
		Fluoranthene-d10	0.4	0.45	113		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.42	105		58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN037933.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169839BS	1,4-Dioxane	0.4	0.31	ug/L	78				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN037934.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169839BSD	1,4-Dioxane	0.4	0.31	ug/L	78	3			70	130	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169839BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3165

Lab File ID: BN037932.D

Lab Sample ID: PB169839BL

Instrument ID: BNA_N

Date Extracted: 09/25/2025

Matrix: (soil/water) Water

Date Analyzed: 09/29/2025

Level: (low/med) LOW

Time Analyzed: 12:06

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169839BS	PB169839BS	BN037933.D	09/29/2025
PB169839BSD	PB169839BSD	BN037934.D	09/29/2025
VPB184-HYD-20250919	Q3165-02	BN037935.D	09/29/2025
BP-VPB-184-GW-260-262	Q3165-04	BN037936.D	09/29/2025
BP-VPB-184-GW-300-302	Q3165-07	BN037937.D	09/29/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037860.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3165
DFTPP Injection Date: 09/23/2025
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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037930.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3165
DFTPP Injection Date: 09/29/2025
DFTPP Injection Time: 10:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (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	3.4
441	Present, but less than mass 443	81.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.1 (20) 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	BN037931.D	09/29/2025	11:30
PB169839BL	PB169839BL	BN037932.D	09/29/2025	12:06
PB169839BS	PB169839BS	BN037933.D	09/29/2025	12:43
PB169839BSD	PB169839BSD	BN037934.D	09/29/2025	13:19
VPB184-HYD-20250919	Q3165-02	BN037935.D	09/29/2025	13:55
BP-VPB-184-GW-260-262	Q3165-04	BN037936.D	09/29/2025	14:32
BP-VPB-184-GW-300-302	Q3165-07	BN037937.D	09/29/2025	15:08
SSTDCCC0.4EC	SSTDCCC0.4	BN037941.D	09/29/2025	18:46

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3165

Client ID : SSTDCCC0.4

Date Analyzed: 09/29/2025

Lab File ID: BN037931.D

Time Analyzed: 11:30

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	9694	7.818	28657	10.62	15093	14.47
UPPER LIMIT	19388	8.318	57314	11.116	30186	14.973
LOWER LIMIT	4847	7.318	14328.5	10.116	7546.5	13.973
EPA SAMPLE NO.						
01 PB169839BL	8651	7.82	24367	10.62	11932	14.47
02 PB169839BS	7496	7.82	21013	10.62	10987	14.47
03 PB169839BSD	7869	7.82	22045	10.62	11433	14.47
04 VPB184-HYD-20250919	8469	7.82	24220	10.62	12389	14.47
05 BP-VPB-184-GW-260-262	9861	7.82	30069	10.62	16737	14.47
06 BP-VPB-184-GW-300-302	8452	7.82	25701	10.62	14574	14.47

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3165

Client ID: SSTDCCC0.4

Date Analyzed: 09/29/2025

Lab File ID: BN037931.D

Time Analyzed: 11:30

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	28466	17.211	20163	21.402	15946	23.724
UPPER LIMIT	56932	17.711	40326	21.902	31892	24.224
LOWER LIMIT	14233	16.711	10081.5	20.902	7973	23.224
EPA SAMPLE NO.						
01 PB169839BL	23393	17.22	17581	21.40	14270	23.72
02 PB169839BS	21519	17.21	19399	21.40	17959	23.73
03 PB169839BSD	22296	17.22	19503	21.40	17544	23.73
04 VPB184-HYD-20250919	25703	17.22	20793	21.40	17157	23.72
05 BP-VPB-184-GW-260-262	35434	17.21	36101	21.39	36307 *	23.72
06 BP-VPB-184-GW-300-302	31224	17.21	32073	21.40	35207 *	23.72

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB169839BL		SDG No.:	Q3165
Lab Sample ID:	PB169839BL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037932.D	1	09/25/25 11:00	09/29/25 12:06	PB169839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		106%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8650	7.818				
1146-65-2	Naphthalene-d8	24400	10.616				
15067-26-2	Acenaphthene-d10	11900	14.473				
1517-22-2	Phenanthrene-d10	23400	17.223				
1719-03-5	Chrysene-d12	17600	21.402				
1520-96-3	Perylene-d12	14300	23.724				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB169839BS		SDG No.:	Q3165
Lab Sample ID:	PB169839BS		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037933.D	1	09/25/25 11:00	09/29/25 12:43	PB169839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30 - 150		91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7500	7.818				
1146-65-2	Naphthalene-d8	21000	10.616				
15067-26-2	Acenaphthene-d10	11000	14.473				
1517-22-2	Phenanthrene-d10	21500	17.211				
1719-03-5	Chrysene-d12	19400	21.402				
1520-96-3	Perylene-d12	18000	23.727				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB169839BSD		SDG No.:	Q3165
Lab Sample ID:	PB169839BSD		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037934.D	1	09/25/25 11:00	09/29/25 13:19	PB169839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7870	7.818				
1146-65-2	Naphthalene-d8	22000	10.616				
15067-26-2	Acenaphthene-d10	11400	14.473				
1517-22-2	Phenanthrene-d10	22300	17.223				
1719-03-5	Chrysene-d12	19500	21.402				
1520-96-3	Perylene-d12	17500	23.73				

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

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) SURR2	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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06
 Lab Code: ACE SDG No.: Q3165
 Instrument ID: BNA_N Calibration Date/Time: 09/29/2025 11:30
 Lab File ID: BN037931.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	0.515		-7.4	20.0
Fluoranthene-d10	1.006	0.853		-15.2	20.0
2-Fluorophenol	0.913	0.894		-2.1	20.0
Phenol-d6	1.199	1.159		-3.3	20.0
Nitrobenzene-d5	0.305	0.277		-9.2	20.0
2-Fluorobiphenyl	1.638	1.554		-5.1	20.0
2,4,6-Tribromophenol	0.152	0.134		-11.8	20.0
Terphenyl-d14	0.797	0.840		5.4	20.0
1,4-Dioxane	0.406	0.433		6.7	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>09/29/2025 18:46</u>
Lab File ID:	<u>BN037941.D</u>	Init. Calib. Date(s):	<u>09/23/2025 09/23/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4EC</u>	Init. Calib. Time(s):	<u>12:13 15:51</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.556	0.490		-11.9	50.0
Fluoranthene-d10	1.006	0.914		-9.1	50.0
2-Fluorophenol	0.913	0.907		-0.7	50.0
Phenol-d6	1.199	1.110		-7.4	50.0
Nitrobenzene-d5	0.305	0.282		-7.5	50.0
2-Fluorobiphenyl	1.638	1.513		-7.6	50.0
2,4,6-Tribromophenol	0.152	0.142		-6.6	50.0
Terphenyl-d14	0.797	0.716		-10.2	50.0
1,4-Dioxane	0.406	0.382		-5.9	50.0

All other compounds must meet a minimum RRF of 0.010.