

LAB CHRONICLE

OrderID:	Q2186	OrderDate:	6/2/2025 4:04:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	N13,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2186-01	BP-VPB-182-TB-2025 0530	Water			05/30/25			06/02/25
			VOCMS Group1	8260-Low			06/03/25	
Q2186-02	BP-VPB-182-GW-670- 672	Water			05/30/25			06/02/25
			VOCMS Group1	8260-Low			06/03/25	
Q2186-03	BP-VPB-182-GW-680- 682	Water			05/30/25			06/02/25
			VOCMS Group1	8260-Low			06/03/25	
Q2186-06	BP-VPB-182-GW-705- 707	Water			06/02/25			06/02/25
			VOCMS Group1	8260-Low			06/03/25	
Q2186-07	BP-VPB-182-GW-720- 722	Water			06/02/25			06/02/25
			VOCMS Group1	8260-Low			06/03/25	
Q2186-08	BP-VPB-182-DUP-202 50602	Water			06/02/25			06/02/25
			VOCMS Group1	8260-Low			06/03/25	
Q2186-09	VPB182-HYD-202505 30	Water			05/30/25			06/02/25
			VOCMS Group1	8260-Low			06/03/25	

Hit Summary Sheet
SW-846

SDG No.: Q2186
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	BP-VPB-182-TB-20250530								
Q2186-01	BP-VPB-182-TB-20 Water	Acetone		1.70	J	1.50	3.80	5.00	ug/L
		Total Voc :		1.70					
		Total Concentration:		1.70					
Client ID:	BP-VPB-182-GW-670-672								
Q2186-02	BP-VPB-182-GW-6 Water	Acetone		15.2		1.50	3.80	5.00	ug/L
Q2186-02	BP-VPB-182-GW-6 Water	Carbon Disulfide		1.00		0.21	0.75	1.00	ug/L
		Total Voc :		16.2					
		Total Concentration:		16.2					
Client ID:	BP-VPB-182-GW-680-682								
Q2186-03	BP-VPB-182-GW-6 Water	Acetone		7.30		1.50	3.80	5.00	ug/L
		Total Voc :		7.30					
		Total Concentration:		7.30					
Client ID:	BP-VPB-182-GW-705-707								
Q2186-06	BP-VPB-182-GW-7 Water	Acetone		7.00		1.50	3.80	5.00	ug/L
		Total Voc :		7.00					
		Total Concentration:		7.00					
Client ID:	BP-VPB-182-GW-720-722								
Q2186-07	BP-VPB-182-GW-7 Water	Acetone		6.30		1.50	3.80	5.00	ug/L
		Total Voc :		6.30					
		Total Concentration:		6.30					
Client ID:	BP-VPB-182-DUP-20250602								
Q2186-08	BP-VPB-182-DUP- Water	Acetone		7.20		1.50	3.80	5.00	ug/L
		Total Voc :		7.20					
		Total Concentration:		7.20					
Client ID:	VPB182-HYD-20250530								
Q2186-09	VPB182-HYD-2025 Water	Acetone		2.50	J	1.50	3.80	5.00	ug/L
Q2186-09	VPB182-HYD-2025 Water	Dibromochloromethane		1.70		0.18	0.50	1.00	ug/L
		Total Voc :		4.20					
		Total Concentration:		4.20					



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-TB-20250530		SDG No.:	Q2186	
Lab Sample ID:	Q2186-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046466.D	1		06/03/25 12:36	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
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	1.70	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-TB-20250530		SDG No.:	Q2186	
Lab Sample ID:	Q2186-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046466.D	1		06/03/25 12:36	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	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
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.0		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	73100	5.543				
540-36-3	1,4-Difluorobenzene	148000	6.757				
3114-55-4	Chlorobenzene-d5	139000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	59400	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-TB-20250530		SDG No.:	Q2186	
Lab Sample ID:	Q2186-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046466.D	1		06/03/25 12:36	VX060325

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:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-670-672		SDG No.:	Q2186	
Lab Sample ID:	Q2186-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046467.D	1		06/03/25 12:59	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
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	15.2		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	1.00		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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-670-672		SDG No.:	Q2186	
Lab Sample ID:	Q2186-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046467.D	1		06/03/25 12:59	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	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
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70400	5.544				
540-36-3	1,4-Difluorobenzene	140000	6.757				
3114-55-4	Chlorobenzene-d5	131000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	57200	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-670-672		SDG No.:	Q2186	
Lab Sample ID:	Q2186-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046467.D	1		06/03/25 12:59	VX060325

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:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-680-682		SDG No.:	Q2186	
Lab Sample ID:	Q2186-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046468.D	1		06/03/25 13:23	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
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	7.30		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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-680-682		SDG No.:	Q2186	
Lab Sample ID:	Q2186-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046468.D	1		06/03/25 13:23	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	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
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.3		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70000	5.55				
540-36-3	1,4-Difluorobenzene	138000	6.757				
3114-55-4	Chlorobenzene-d5	131000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	57400	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-680-682		SDG No.:	Q2186	
Lab Sample ID:	Q2186-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046468.D	1		06/03/25 13:23	VX060325

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:	06/02/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-705-707		SDG No.:	Q2186	
Lab Sample ID:	Q2186-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046469.D	1		06/03/25 13:46	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
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	7.00		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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/02/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-705-707		SDG No.:	Q2186	
Lab Sample ID:	Q2186-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046469.D	1		06/03/25 13:46	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	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
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.1		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68400	5.544				
540-36-3	1,4-Difluorobenzene	138000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	56100	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/02/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-705-707		SDG No.:	Q2186	
Lab Sample ID:	Q2186-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046469.D	1		06/03/25 13:46	VX060325

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:	06/02/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-720-722		SDG No.:	Q2186	
Lab Sample ID:	Q2186-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046470.D	1		06/03/25 14:09	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
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	6.30		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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/02/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-720-722		SDG No.:	Q2186	
Lab Sample ID:	Q2186-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046470.D	1		06/03/25 14:09	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	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
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65900	5.55				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	50700	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/02/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-GW-720-722		SDG No.:	Q2186	
Lab Sample ID:	Q2186-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046470.D	1		06/03/25 14:09	VX060325

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:	06/02/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-DUP-20250602		SDG No.:	Q2186	
Lab Sample ID:	Q2186-08		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046471.D	1		06/03/25 14:33	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
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	7.20		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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/02/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-DUP-20250602		SDG No.:	Q2186	
Lab Sample ID:	Q2186-08		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046471.D	1		06/03/25 14:33	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	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
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68700	5.55				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	130000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	55400	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/02/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	BP-VPB-182-DUP-20250602		SDG No.:	Q2186	
Lab Sample ID:	Q2186-08		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046471.D	1		06/03/25 14:33	VX060325

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:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	VPB182-HYD-20250530		SDG No.:	Q2186	
Lab Sample ID:	Q2186-09		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046465.D	1		06/03/25 12:13	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
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	2.50	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	VPB182-HYD-20250530		SDG No.:	Q2186	
Lab Sample ID:	Q2186-09		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046465.D	1		06/03/25 12:13	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.70		0.18	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
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72300	5.544				
540-36-3	1,4-Difluorobenzene	144000	6.757				
3114-55-4	Chlorobenzene-d5	137000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	61100	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	05/30/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/02/25	
Client Sample ID:	VPB182-HYD-20250530		SDG No.:	Q2186	
Lab Sample ID:	Q2186-09		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046465.D	1		06/03/25 12:13	VX060325

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



QC SUMMARY

Surrogate Summary

SDG No.: **Q2186**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2186-01	BP-VPB-182-TB-20250530	1,2-Dichloroethane-d4	50	51.0	102	81	118
		Dibromofluoromethane	50	48.6	97	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
Q2186-02	BP-VPB-182-GW-670-672	1,2-Dichloroethane-d4	50	51.7	103	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114
Q2186-03	BP-VPB-182-GW-680-682	1,2-Dichloroethane-d4	50	51.3	103	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	51.8	104	85	114
Q2186-06	BP-VPB-182-GW-705-707	1,2-Dichloroethane-d4	50	52.1	104	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	50.2	100	89	112
		4-Bromofluorobenzene	50	52.1	104	85	114
Q2186-07	BP-VPB-182-GW-720-722	1,2-Dichloroethane-d4	50	52.2	104	81	118
		Dibromofluoromethane	50	48.7	97	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	49.7	99	85	114
Q2186-08	BP-VPB-182-DUP-20250602	1,2-Dichloroethane-d4	50	52.5	105	81	118
		Dibromofluoromethane	50	49.0	98	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114
Q2186-09	VPB182-HYD-20250530	1,2-Dichloroethane-d4	50	51.2	102	81	118
		Dibromofluoromethane	50	49.3	98	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	53.0	106	85	114
VX0603WBL01	VX0603WBL01	1,2-Dichloroethane-d4	50	51.5	103	81	118
		Dibromofluoromethane	50	49.1	98	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
VX0603WBS01	VX0603WBS01	1,2-Dichloroethane-d4	50	48.8	98	81	118
		Dibromofluoromethane	50	50.4	101	80	119
		Toluene-d8	50	47.8	96	89	112
		4-Bromofluorobenzene	50	50.6	101	85	114
VX0603WBSD0	VX0603WBSD01	1,2-Dichloroethane-d4	50	50.4	101	81	118
		Dibromofluoromethane	50	51.6	103	80	119
		Toluene-d8	50	48.2	96	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2186

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX046463.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0603WBS01	Chloromethane	20	17.0	ug/L	85			50	139	
	Vinyl chloride	20	16.6	ug/L	83			58	137	
	Bromomethane	20	16.9	ug/L	85			53	141	
	Chloroethane	20	19.1	ug/L	96			60	138	
	Trichlorofluoromethane	20	18.8	ug/L	94			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94			70	136	
	1,1-Dichloroethene	20	17.9	ug/L	90			71	131	
	Acetone	100	100	ug/L	100			39	160	
	Carbon disulfide	20	13.3	ug/L	67			64	133	
	Methyl tert-butyl Ether	20	20.3	ug/L	102			71	124	
	Methylene Chloride	20	18.4	ug/L	92			74	124	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			75	124	
	1,1-Dichloroethane	20	20.5	ug/L	103			77	125	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	18.5	ug/L	93			72	136	
	cis-1,2-Dichloroethene	20	20.4	ug/L	102			78	123	
	Chloroform	20	20.9	ug/L	104			79	124	
	1,1,1-Trichloroethane	20	20.1	ug/L	101			74	131	
	Methylcyclohexane	20	17.7	ug/L	89			72	132	
	Benzene	20	19.5	ug/L	98			79	120	
	1,2-Dichloroethane	20	20.2	ug/L	101			73	128	
	Trichloroethene	20	18.9	ug/L	95			79	123	
	1,2-Dichloropropane	20	20.9	ug/L	104			78	122	
	Bromodichloromethane	20	20.0	ug/L	100			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	19.9	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	19.2	ug/L	96			73	127	
	cis-1,3-Dichloropropene	20	19.9	ug/L	100			75	124	
	1,1,2-Trichloroethane	20	21.5	ug/L	108			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.5	ug/L	103			74	126	
	Tetrachloroethene	20	19.8	ug/L	99			74	129	
	Chlorobenzene	20	20.2	ug/L	101			82	118	
	Ethyl Benzene	20	20.4	ug/L	102			79	121	
	m/p-Xylenes	40	40.4	ug/L	101			80	121	
	o-Xylene	20	21.0	ug/L	105			78	122	
	Styrene	20	21.2	ug/L	106			78	123	
	Bromoform	20	19.9	ug/L	100			66	130	
	Isopropylbenzene	20	21.1	ug/L	106			72	131	
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107			71	121	
	1,3-Dichlorobenzene	20	20.1	ug/L	101			80	119	
	1,4-Dichlorobenzene	20	19.6	ug/L	98			79	118	
	1,2-Dichlorobenzene	20	21.3	ug/L	106			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2186

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX046464.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0603WBSD01	Chloromethane	20	16.4	ug/L	82	4		50	139	20
	Vinyl chloride	20	16.0	ug/L	80	4		58	137	20
	Bromomethane	20	16.8	ug/L	84	1		53	141	20
	Chloroethane	20	17.8	ug/L	89	8		60	138	20
	Trichlorofluoromethane	20	18.1	ug/L	91	3		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96	2		70	136	20
	1,1-Dichloroethene	20	17.8	ug/L	89	1		71	131	20
	Acetone	100	110	ug/L	110	10		39	160	20
	Carbon disulfide	20	13.3	ug/L	67	0		64	133	20
	Methyl tert-butyl Ether	20	21.5	ug/L	108	6		71	124	20
	Methylene Chloride	20	18.3	ug/L	92	0		74	124	20
	trans-1,2-Dichloroethene	20	18.0	ug/L	90	0		75	124	20
	1,1-Dichloroethane	20	20.1	ug/L	101	2		77	125	20
	2-Butanone	100	110	ug/L	110	0		56	143	20
	Carbon Tetrachloride	20	18.6	ug/L	93	0		72	136	20
	cis-1,2-Dichloroethene	20	20.1	ug/L	101	1		78	123	20
	Chloroform	20	20.7	ug/L	104	0		79	124	20
	1,1,1-Trichloroethane	20	19.1	ug/L	96	5		74	131	20
	Methylcyclohexane	20	17.5	ug/L	88	1		72	132	20
	Benzene	20	19.4	ug/L	97	1		79	120	20
	1,2-Dichloroethane	20	20.9	ug/L	104	3		73	128	20
	Trichloroethene	20	19.2	ug/L	96	1		79	123	20
	1,2-Dichloropropane	20	21.1	ug/L	106	2		78	122	20
	Bromodichloromethane	20	20.9	ug/L	104	4		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		67	130	20
	Toluene	20	19.7	ug/L	99	1		80	121	20
	t-1,3-Dichloropropene	20	19.7	ug/L	99	3		73	127	20
	cis-1,3-Dichloropropene	20	20.5	ug/L	103	3		75	124	20
	1,1,2-Trichloroethane	20	22.2	ug/L	111	3		80	119	20
	2-Hexanone	100	110	ug/L	110	0		57	139	20
	Dibromochloromethane	20	21.0	ug/L	105	2		74	126	20
	Tetrachloroethene	20	19.4	ug/L	97	2		74	129	20
	Chlorobenzene	20	20.0	ug/L	100	1		82	118	20
	Ethyl Benzene	20	20.4	ug/L	102	0		79	121	20
	m/p-Xylenes	40	40.2	ug/L	101	0		80	121	20
	o-Xylene	20	21.4	ug/L	107	2		78	122	20
	Styrene	20	21.2	ug/L	106	0		78	123	20
	Bromoform	20	20.6	ug/L	103	3		66	130	20
	Isopropylbenzene	20	21.0	ug/L	105	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106	1		71	121	20
	1,3-Dichlorobenzene	20	20.2	ug/L	101	0		80	119	20
	1,4-Dichlorobenzene	20	20.2	ug/L	101	3		79	118	20
	1,2-Dichlorobenzene	20	21.2	ug/L	106	0		80	119	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0603WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2186

SAS No.: Q2186 SDG NO.: Q2186

Lab File ID: VX046462.D

Lab Sample ID: VX0603WBL01

Date Analyzed: 06/03/2025

Time Analyzed: 11:01

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
VX0603WBS01	VX0603WBS01	VX046463.D	06/03/2025
VX0603WBSD01	VX0603WBSD01	VX046464.D	06/03/2025
VPB182-HYD-20250530	Q2186-09	VX046465.D	06/03/2025
BP-VPB-182-TB-20250530	Q2186-01	VX046466.D	06/03/2025
BP-VPB-182-GW-670-672	Q2186-02	VX046467.D	06/03/2025
BP-VPB-182-GW-680-682	Q2186-03	VX046468.D	06/03/2025
BP-VPB-182-GW-705-707	Q2186-06	VX046469.D	06/03/2025
BP-VPB-182-GW-720-722	Q2186-07	VX046470.D	06/03/2025
BP-VPB-182-DUP-20250602	Q2186-08	VX046471.D	06/03/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186
Lab File ID: VX046038.D BFB Injection Date: 05/05/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:37
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	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC020	VSTDIC020	VX046041.D	05/05/2025	11:35
VSTDIC050	VSTDIC050	VX046042.D	05/05/2025	11:58
VSTDIC100	VSTDIC100	VX046043.D	05/05/2025	12:21
VSTDIC150	VSTDIC150	VX046044.D	05/05/2025	12:45
VSTDIC005	VSTDIC005	VX046046.D	05/05/2025	16:04
VSTDIC001	VSTDIC001	VX046047.D	05/05/2025	16:27

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186
Lab File ID: VX046459.D BFB Injection Date: 06/03/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:40
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	22.5
75	30.0 - 60.0% of mass 95	56.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1.1) 1
174	50.0 - 100.0% of mass 95	69.6
175	5.0 - 9.0% of mass 174	5.1 (7.3) 1
176	95.0 - 101.0% of mass 174	66.3 (95.2) 1
177	5.0 - 9.0% of mass 176	4.1 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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
VSTDCCC050	VSTDCCC050	VX046460.D	06/03/2025	10:10
VX0603WBL01	VX0603WBL01	VX046462.D	06/03/2025	11:01
VX0603WBS01	VX0603WBS01	VX046463.D	06/03/2025	11:24
VX0603WBSD01	VX0603WBSD01	VX046464.D	06/03/2025	11:50
VPB182-HYD-20250530	Q2186-09	VX046465.D	06/03/2025	12:13
BP-VPB-182-TB-20250530	Q2186-01	VX046466.D	06/03/2025	12:36
BP-VPB-182-GW-670-672	Q2186-02	VX046467.D	06/03/2025	12:59
BP-VPB-182-GW-680-682	Q2186-03	VX046468.D	06/03/2025	13:23
BP-VPB-182-GW-705-707	Q2186-06	VX046469.D	06/03/2025	13:46
BP-VPB-182-GW-720-722	Q2186-07	VX046470.D	06/03/2025	14:09
BP-VPB-182-DUP-20250602	Q2186-08	VX046471.D	06/03/2025	14:33
VSTDCCC050EC	VSTDCCC050	VX046486.D	06/03/2025	20:25

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186
Lab File ID: VX046460.D Date Analyzed: 06/03/2025
Instrument ID: MSVOA_X Time Analyzed: 10:10
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	97221	5.54	166757	6.75	142113	10.05
UPPER LIMIT	194442	6.038	333514	7.251	284226	10.549
LOWER LIMIT	48610.5	5.038	83378.5	6.251	71056.5	9.549
EPA SAMPLE NO.						
BP-VPB-182-TB-20250530	73085	5.54	148251	6.76	138870	10.06
BP-VPB-182-GW-670-672	70404	5.54	140445	6.76	131337	10.05
BP-VPB-182-GW-680-682	70004	5.55	138414	6.76	130629	10.05
BP-VPB-182-GW-705-707	68425	5.54	137561	6.76	128221	10.05
BP-VPB-182-GW-720-722	65938	5.55	133475	6.76	122673	10.06
BP-VPB-182-DUP-20250602	68690	5.55	138832	6.76	129871	10.05
VPB182-HYD-20250530	72286	5.54	144078	6.76	137138	10.05
VX0603WBL01	73151	5.55	147671	6.76	138701	10.05
VX0603WBS01	89858	5.54	159016	6.76	137079	10.05
VX0603WBSD01	86032	5.54	150958	6.76	130475	10.05

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: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186
Lab File ID: VX046460.D Date Analyzed: 06/03/2025
Instrument ID: MSVOA_X Time Analyzed: 10:10
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	69603	12.018				
UPPER LIMIT	139206	12.518				
LOWER LIMIT	34801.5	11.518				
EPA SAMPLE NO.						
BP-VPB-182-TB-20250530	59352	12.02				
BP-VPB-182-GW-670-672	57166	12.02				
BP-VPB-182-GW-680-682	57376	12.02				
BP-VPB-182-GW-705-707	56111	12.02				
BP-VPB-182-GW-720-722	50694	12.02				
BP-VPB-182-DUP-20250602	55355	12.02				
VPB182-HYD-20250530	61107	12.02				
VX0603WBL01	60850	12.02				
VX0603WBS01	65270	12.02				
VX0603WBSD01	62365	12.02				

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:	VX0603WBL01		SDG No.:	Q2186
Lab Sample ID:	VX0603WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046462.D	1		06/03/25 11:01	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0603WBL01		SDG No.:	Q2186
Lab Sample ID:	VX0603WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046462.D	1		06/03/25 11:01	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	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
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	73200	5.55				
540-36-3	1,4-Difluorobenzene	148000	6.757				
3114-55-4	Chlorobenzene-d5	139000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	60900	12.018				

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:	VX0603WBS01		SDG No.:	Q2186
Lab Sample ID:	VX0603WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046463.D	1		06/03/25 11:24	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	16.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.1		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	100		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.5		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.4		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	20.9		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		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	19.9		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0603WBS01		SDG No.:	Q2186
Lab Sample ID:	VX0603WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046463.D	1		06/03/25 11:24	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.4		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	21.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.3		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.8		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	89900	5.544				
540-36-3	1,4-Difluorobenzene	159000	6.757				
3114-55-4	Chlorobenzene-d5	137000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	65300	12.018				

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:	VX0603WBSD01		SDG No.:	Q2186
Lab Sample ID:	VX0603WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046464.D	1		06/03/25 11:50	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.0		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	16.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.8		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	110		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.5		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.3		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.19	0.75	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	19.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		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	19.7		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.5		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0603WBSD01		SDG No.:	Q2186
Lab Sample ID:	VX0603WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046464.D	1		06/03/25 11:50	VX060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	21.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.4		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	21.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.2		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.2		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	86000	5.544				
540-36-3	1,4-Difluorobenzene	151000	6.757				
3114-55-4	Chlorobenzene-d5	130000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	62400	12.018				

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>CHEMTECH</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2186</u>
Instrument ID:	<u>MSVOA_X</u>	SAS No.:	<u>Q2186</u>
Heated Purge: (Y/N)	<u>N</u>	SDG No.:	<u>Q2186</u>
GC Column:	<u>DB-624UI</u>	Calibration Date(s):	<u>05/05/2025</u>
ID:	<u>0.18 (mm)</u>	Calibration Time(s):	<u>11:35</u>
			<u>16:27</u>

LAB FILE ID:	RRF020 = VX046041.D	RRF050 = VX046042.D	RRF100 = VX046043.D	RRF150 = VX046044.D	RRF005 = VX046046.D	RRF001 = VX046047.D		
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7

* 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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID:		RRF020 = VX046041.D		RRF050 = VX046042.D		RRF100 = VX046043.D			
		RRF150 = VX046044.D		RRF005 = VX046046.D		RRF001 = VX046047.D			
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD	
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3	
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8	
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7	
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2	
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2	
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7	
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6	
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2	
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7	
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7	
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7	
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6	
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3	
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6	
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7	
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2	
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4	

* 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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA_X Calibration Date/Time: 06/03/2025 10:10

Lab File ID: VX046460.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.742	0.736	0.1	-0.81	20
Vinyl Chloride	0.691	0.673		-2.61	20
Bromomethane	0.320	0.292		-8.75	20
Chloroethane	0.369	0.371		0.54	20
Trichlorofluoromethane	1.021	1.024		0.29	20
1,1,2-Trichlorotrifluoroethane	0.632	0.643		1.74	20
1,1-Dichloroethene	0.593	0.595		0.34	20
Acetone	0.374	0.443		18.45	20
Carbon Disulfide	1.406	1.272		-9.53	20
Methyl tert-butyl Ether	2.079	2.188		5.24	20
Methylene Chloride	0.716	0.695		-2.93	20
trans-1,2-Dichloroethene	0.596	0.602		1.01	20
1,1-Dichloroethane	1.219	1.266	0.1	3.86	20
2-Butanone	0.543	0.573		5.53	20
Carbon Tetrachloride	0.544	0.550		1.1	20
cis-1,2-Dichloroethene	0.718	0.743		3.48	20
Chloroform	1.271	1.297		2.05	20
1,1,1-Trichloroethane	1.101	1.123		2	20
Methylcyclohexane	0.623	0.640		2.73	20
Benzene	1.417	1.465		3.39	20
1,2-Dichloroethane	0.612	0.633		3.43	20
Trichloroethene	0.341	0.351		2.93	20
1,2-Dichloropropane	0.352	0.380		7.95	20
Bromodichloromethane	0.547	0.587		7.31	20
4-Methyl-2-Pentanone	0.605	0.632		4.46	20
Toluene	0.869	0.896		3.11	20
t-1,3-Dichloropropene	0.487	0.526		8.01	20
cis-1,3-Dichloropropene	0.538	0.583		8.36	20
1,1,2-Trichloroethane	0.343	0.357		4.08	20
2-Hexanone	0.448	0.479		6.92	20
Dibromochloromethane	0.376	0.403		7.18	20
Tetrachloroethene	0.354	0.378		6.78	20
Chlorobenzene	1.094	1.132	0.3	3.47	20
Ethyl Benzene	1.929	2.094		8.55	20
m/p-Xylenes	0.706	0.754		6.8	20
o-Xylene	0.688	0.747		8.58	20
Styrene	1.127	1.256		11.45	20
Bromoform	0.281	0.299	0.1	6.41	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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA_X Calibration Date/Time: 06/03/2025 10:10

Lab File ID: VX046460.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.893	4.081		4.83	20
1,1,2,2-Tetrachloroethane	1.364	1.325	0.3	-2.93	20
1,3-Dichlorobenzene	1.649	1.704		3.34	20
1,4-Dichlorobenzene	1.684	1.703		1.13	20
1,2-Dichlorobenzene	1.655	1.679		1.45	20
1,2-Dichloroethane-d4	0.932	0.859		-7.83	20
Dibromofluoromethane	0.360	0.352		-2.22	20
Toluene-d8	1.246	1.151		-7.62	20
4-Bromofluorobenzene	0.478	0.460		-3.77	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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA_X Calibration Date/Time: 06/03/2025 20:25

Lab File ID: VX046486.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.742	0.594	0.1	-19.95	50
Vinyl Chloride	0.691	0.576		-16.64	50
Bromomethane	0.320	0.228		-28.75	50
Chloroethane	0.369	0.340		-7.86	50
Trichlorofluoromethane	1.021	0.901		-11.75	50
1,1,2-Trichlorotrifluoroethane	0.632	0.578		-8.54	50
1,1-Dichloroethene	0.593	0.534		-9.95	50
Acetone	0.374	0.407		8.82	50
Carbon Disulfide	1.406	0.941		-33.07	50
Methyl tert-butyl Ether	2.079	2.323		11.74	50
Methylene Chloride	0.716	0.657		-8.24	50
trans-1,2-Dichloroethene	0.596	0.545		-8.56	50
1,1-Dichloroethane	1.219	1.253	0.1	2.79	50
2-Butanone	0.543	0.635		16.94	50
Carbon Tetrachloride	0.544	0.515		-5.33	50
cis-1,2-Dichloroethene	0.718	0.723		0.7	50
Chloroform	1.271	1.332		4.8	50
1,1,1-Trichloroethane	1.101	1.145		4	50
Methylcyclohexane	0.623	0.554		-11.07	50
Benzene	1.417	1.402		-1.06	50
1,2-Dichloroethane	0.612	0.615		0.49	50
Trichloroethene	0.341	0.334		-2.05	50
1,2-Dichloropropane	0.352	0.382		8.52	50
Bromodichloromethane	0.547	0.572		4.57	50
4-Methyl-2-Pentanone	0.605	0.712		17.69	50
Toluene	0.869	0.878		1.04	50
t-1,3-Dichloropropene	0.487	0.523		7.39	50
cis-1,3-Dichloropropene	0.538	0.572		6.32	50
1,1,2-Trichloroethane	0.343	0.374		9.04	50
2-Hexanone	0.448	0.545		21.65	50
Dibromochloromethane	0.376	0.410		9.04	50
Tetrachloroethene	0.354	0.323		-8.76	50
Chlorobenzene	1.094	1.090	0.3	-0.37	50
Ethyl Benzene	1.929	1.971		2.18	50
m/p-Xylenes	0.706	0.715		1.27	50
o-Xylene	0.688	0.736		6.98	50
Styrene	1.127	1.222		8.43	50
Bromoform	0.281	0.305	0.1	8.54	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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA_X Calibration Date/Time: 06/03/2025 20:25

Lab File ID: VX046486.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.893	4.049		4.01	50
1,1,2,2-Tetrachloroethane	1.364	1.472	0.3	7.92	50
1,3-Dichlorobenzene	1.649	1.715		4	50
1,4-Dichlorobenzene	1.684	1.700		0.95	50
1,2-Dichlorobenzene	1.655	1.774		7.19	50
1,2-Dichloroethane-d4	0.932	0.900		-3.43	50
Dibromofluoromethane	0.360	0.356		-1.11	50
Toluene-d8	1.246	1.176		-5.62	50
4-Bromofluorobenzene	0.478	0.493		3.14	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:	Q2186	OrderDate:	6/2/2025 4:04:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	N13,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2186-03	BP-VPB-182-GW-680-682	Water			05/30/25			06/02/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2186-07	BP-VPB-182-GW-720-722	Water			06/02/25			06/02/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2186-09	VPB182-HYD-20250530	Water			05/30/25			06/02/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2186
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :				0.000					
Total Svoc :					0.00				
Total Concentration:					0.00				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/02/25
Client Sample ID:	BP-VPB-182-GW-680-682	SDG No.:	Q2186
Lab Sample ID:	Q2186-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	390 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
BN037174.D	1	06/04/25 11:46	06/05/25 10:55	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.51	U	0.17	0.51	0.51	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.27		30 - 150		67%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.31		58 - 132		77%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2110	7.589				
1146-65-2	Naphthalene-d8	5410	10.372				
15067-26-2	Acenaphthene-d10	3090	14.235				
1517-22-2	Phenanthrene-d10	5640	16.984				
1719-03-5	Chrysene-d12	4230	21.18				
1520-96-3	Perylene-d12	4430	23.374				

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:	06/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/02/25
Client Sample ID:	BP-VPB-182-GW-720-722	SDG No.:	Q2186
Lab Sample ID:	Q2186-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	870 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
BN037175.D	1	06/04/25 11:46	06/05/25 11:31	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.23	U	0.080	0.23	0.23	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		109%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2570	7.589				
1146-65-2	Naphthalene-d8	6340	10.372				
15067-26-2	Acenaphthene-d10	3150	14.235				
1517-22-2	Phenanthrene-d10	5450	16.984				
1719-03-5	Chrysene-d12	3970	21.18				
1520-96-3	Perylene-d12	3880	23.371				

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:	05/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/02/25
Client Sample ID:	VPB182-HYD-20250530	SDG No.:	Q2186
Lab Sample ID:	Q2186-09	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	890 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
BN037176.D	1	06/04/25 11:46	06/05/25 12:08	PB168286

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	0.028	*	30 - 150		7%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.17		30 - 150		41%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		104%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2280	7.589				
1146-65-2	Naphthalene-d8	5470	10.372				
15067-26-2	Acenaphthene-d10	2730	14.234				
1517-22-2	Phenanthrene-d10	4700	16.984				
1719-03-5	Chrysene-d12	3530	21.18				
1520-96-3	Perylene-d12	3290	23.374				

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.: **Q2186**

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

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168286BL	PB168286BL	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.37	91		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
PB168286BS	PB168286BS	2-Methylnaphthalene-d10	0.4	0.39	97		30	150
		Fluoranthene-d10	0.4	0.30	76		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.38	94		53	106
		Terphenyl-d14	0.4	0.37	91		58	132
PB168286BSD	PB168286BSD	2-Methylnaphthalene-d10	0.4	0.41	101		30	150
		Fluoranthene-d10	0.4	0.32	79		30	150
		Nitrobenzene-d5	0.4	0.36	89		55	111
		2-Fluorobiphenyl	0.4	0.38	96		53	106
		Terphenyl-d14	0.4	0.38	94		58	132
Q2186-03	BP-VPB-182-GW-680-682	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.27	67		30	150
		Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.31	77		58	132
Q2186-07	BP-VPB-182-GW-720-722	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.38	95		53	106
		Terphenyl-d14	0.4	0.44	109		58	132
Q2186-09	VPB182-HYD-20250530	2-Methylnaphthalene-d10	0.4	0.028	7	*	30	150
		Fluoranthene-d10	0.4	0.17	41		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.42	104		53	106
		Terphenyl-d14	0.4	0.45	112		58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2186

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037182.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB168286BS	1,4-Dioxane	0.4	0.40	ug/L	100				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2186

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037186.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB168286BSD	1,4-Dioxane	0.4	0.40	ug/L	100	0			70	130	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168286BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2186

SAS No.: Q2186 SDG NO.: Q2186

Lab File ID: BN037173.D

Lab Sample ID: PB168286BL

Instrument ID: BNA_N

Date Extracted: 06/04/2025

Matrix: (soil/water) Water

Date Analyzed: 06/05/2025

Level: (low/med) LOW

Time Analyzed: 10:19

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168286BS	PB168286BS	BN037182.D	06/05/2025
BP-VPB-182-GW-680-682	Q2186-03	BN037174.D	06/05/2025
BP-VPB-182-GW-720-722	Q2186-07	BN037175.D	06/05/2025
VPB182-HYD-20250530	Q2186-09	BN037176.D	06/05/2025
PB168286BSD	PB168286BSD	BN037186.D	06/05/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2186 SDG NO.: Q2186

Lab File ID: BN037142.D

DFTPP Injection Date: 06/03/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	58.7
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	53.9
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
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.1 (19.8) 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	BN037143.D	06/03/2025	11:39
SSTDICC0.2	SSTDICC0.2	BN037144.D	06/03/2025	12:15
SSTDICCC0.4	SSTDICCC0.4	BN037145.D	06/03/2025	12:51
SSTDICC0.8	SSTDICC0.8	BN037146.D	06/03/2025	13:26
SSTDICC1.6	SSTDICC1.6	BN037147.D	06/03/2025	14:02
SSTDICC3.2	SSTDICC3.2	BN037148.D	06/03/2025	14:38
SSTDICC5.0	SSTDICC5.0	BN037149.D	06/03/2025	15:14

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2186

SDG NO.: Q2186

Lab File ID: BN037171.D

DFTPP Injection Date: 06/05/2025

Instrument ID: BNA_N

DFTPP Injection Time: 09:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	74.9
68	Less than 2.0% of mass 69	0.4 (0.7) 1
69	Mass 69 relative abundance	60.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	54.1
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
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	8.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.3 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037172.D	06/05/2025	09:42
PB168286BL	PB168286BL	BN037173.D	06/05/2025	10:19
BP-VPB-182-GW-680-682	Q2186-03	BN037174.D	06/05/2025	10:55
BP-VPB-182-GW-720-722	Q2186-07	BN037175.D	06/05/2025	11:31
VPB182-HYD-20250530	Q2186-09	BN037176.D	06/05/2025	12:08
PB168286BS	PB168286BS	BN037182.D	06/05/2025	16:21
PB168286BSD	PB168286BSD	BN037186.D	06/05/2025	18:46
SSTDCCC0.4EC	SSTDCCC0.4	BN037187.D	06/05/2025	19:22

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/05/2025

Lab File ID: BN037172.D Time Analyzed: 09:42

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	2188	7.589	5634	10.37	3073	14.23
UPPER LIMIT	4376	8.089	11268	10.872	6146	14.734
LOWER LIMIT	1094	7.089	2817	9.872	1536.5	13.734
EPA SAMPLE NO.						
01 PB168286BL	1976	7.59	4795	10.37	2582	14.25
02 PB168286BS	2072	7.59	5107	10.37	2443	14.24
03 PB168286BSD	1756	7.59	4279	10.37	2046	14.24
04 BP-VPB-182-GW-680-682	2112	7.59	5405	10.37	3092	14.24
05 BP-VPB-182-GW-720-722	2566	7.59	6337	10.37	3154	14.24
06 VPB182-HYD-20250530	2282	7.59	5466	10.37	2730	14.23

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: CHEMTECH

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/05/2025

Lab File ID: BN037172.D Time Analyzed: 09:42

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	5620	16.984	3619	21.188	3205	23.374
UPPER LIMIT	11240	17.484	7238	21.688	6410	23.874
LOWER LIMIT	2810	16.484	1809.5	20.688	1602.5	22.874
EPA SAMPLE NO.						
01 PB168286BL	4632	17.00	2959	21.19	2743	23.38
02 PB168286BS	4074	16.98	2362	21.19	2229	23.38
03 PB168286BSD	3397	16.98	1984	21.18	1936	23.38
04 BP-VPB-182-GW-680-682	5642	16.98	4233	21.18	4432	23.37
05 BP-VPB-182-GW-720-722	5452	16.98	3972	21.18	3875	23.37
06 VPB182-HYD-20250530	4699	16.98	3527	21.18	3289	23.37

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:	PB168286BL		SDG No.:	Q2186
Lab Sample ID:	PB168286BL		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
BN037173.D	1	06/04/25 11:46	06/05/25 10:19	PB168286

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	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1980	7.589				
1146-65-2	Naphthalene-d8	4800	10.372				
15067-26-2	Acenaphthene-d10	2580	14.245				
1517-22-2	Phenanthrene-d10	4630	16.996				
1719-03-5	Chrysene-d12	2960	21.188				
1520-96-3	Perylene-d12	2740	23.377				

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:	PB168286BS		SDG No.:	Q2186
Lab Sample ID:	PB168286BS		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
BN037182.D	1	06/04/25 11:46	06/05/25 16:21	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		91%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2070	7.589				
1146-65-2	Naphthalene-d8	5110	10.372				
15067-26-2	Acenaphthene-d10	2440	14.235				
1517-22-2	Phenanthrene-d10	4070	16.984				
1719-03-5	Chrysene-d12	2360	21.189				
1520-96-3	Perylene-d12	2230	23.377				

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:	PB168286BSD		SDG No.:	Q2186	
Lab Sample ID:	PB168286BSD		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
BN037186.D	1	06/04/25 11:46	06/05/25 18:46	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.41		30 - 150		101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		79%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		94%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1760	7.589				
1146-65-2	Naphthalene-d8	4280	10.372				
15067-26-2	Acenaphthene-d10	2050	14.235				
1517-22-2	Phenanthrene-d10	3400	16.984				
1719-03-5	Chrysene-d12	1980	21.18				
1520-96-3	Perylene-d12	1940	23.377				

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-BN060325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 04 01:52:03 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037143.D 0.2 =BN037144.D 0.4 =BN037145.D 0.8 =BN037146.D 1.6 =BN037147.D 3.2 =BN037148.D 5.0 =BN037149.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.598	0.657	0.510	0.506	0.526	0.477	0.458	0.533	13.16
3)	n-Nitrosodimet...	1.098	1.031	1.061	1.067	1.163	1.061	1.012	1.071	4.60
4) S	2-Fluorophenol	1.027	1.017	0.940	0.945	1.036	0.984	0.975	0.989	3.91
5) S	Phenol-d6	1.156	1.144	1.127	1.126	1.293	1.261	1.285	1.199	6.42
6)	bis(2-Chloroet...	1.138	1.139	1.128	1.089	1.223	1.146	1.146	1.144	3.51
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.393	0.383	0.421	0.407	0.455	0.450	0.446	0.422	6.86
9)	Naphthalene	1.183	1.125	1.119	1.111	1.215	1.165	1.160	1.154	3.31
10)	Hexachlorobuta...	0.253	0.249	0.261	0.247	0.266	0.246	0.238	0.251	3.81
11) SURR	2-Methylnaphth...	0.520	0.515	0.562	0.536	0.598	0.577	0.588	0.557	5.97
12)	2-Methylnaphth...	0.704	0.680	0.691	0.719	0.809	0.783	0.793	0.740	7.22
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.124	0.147	0.146	0.157	0.185	0.182	0.186	0.161	15.03
15) S	2-Fluorobiphenyl	1.722	1.691	1.626	1.654	1.814	1.706	1.725	1.705	3.52
16)	Acenaphthylene	1.946	1.905	1.768	1.871	2.112	2.050	2.075	1.961	6.32
17)	Acenaphthene	1.290	1.253	1.159	1.212	1.370	1.309	1.320	1.273	5.59
18)	Fluorene	1.701	1.577	1.518	1.611	1.823	1.736	1.752	1.674	6.48
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.039	0.050	0.067	0.090	0.102	0.114	0.077		38.58
21)	4-Bromophenyl-...	0.256	0.253	0.244	0.254	0.281	0.276	0.271	0.262	5.32
22)	Hexachlorobenzene	0.289	0.284	0.269	0.279	0.301	0.284	0.274	0.283	3.72
23)	Atrazine	0.194	0.200	0.187	0.209	0.241	0.238	0.247	0.216	11.42
24)	Pentachlorophenol	0.086	0.092	0.107	0.140	0.153	0.165	0.124		26.72
25)	Phenanthrene	1.285	1.242	1.193	1.248	1.386	1.357	1.361	1.296	5.64
26)	Anthracene	1.098	1.099	1.036	1.143	1.294	1.290	1.317	1.183	9.71
27) SURR	Fluoranthene-d10	0.969	0.937	0.975	0.956	1.092	1.071	1.114	1.016	7.22
28)	Fluoranthene	1.339	1.294	1.277	1.365	1.579	1.563	1.605	1.432	10.09
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	2.051	1.974	1.827	1.928	2.048	1.955	1.885	1.953	4.20
31) S	Terphenyl-d14	0.964	0.909	0.896	0.941	1.006	0.952	0.923	0.942	3.96
32)	Benzo(a)anthra...	1.369	1.367	1.291	1.404	1.582	1.553	1.570	1.448	8.15
33)	Chrysene	1.755	1.636	1.473	1.582	1.698	1.584	1.556	1.612	5.81
34)	Bis(2-ethylhex...	1.032	0.859	0.774	0.858	0.956	0.914	1.002	0.914	9.90
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN060325.M

36)	Indeno(1,2,3-c...	1.443	1.605	1.501	1.526	1.695	1.673	1.697	1.591	6.44
37)	Benzo(b)fluora...	1.529	1.520	1.421	1.575	1.763	1.713	1.781	1.615	8.58
38)	Benzo(k)fluora...	1.576	1.565	1.461	1.612	1.777	1.743	1.805	1.648	7.79
39) C	Benzo(a)pyrene	1.310	1.287	1.219	1.294	1.451	1.426	1.481	1.352	7.32
40)	Dibenzo(a,h)an...	1.074	1.167	1.160	1.196	1.333	1.332	1.328	1.227	8.48
41)	Benzo(g,h,i)pe...	1.368	1.450	1.351	1.372	1.477	1.424	1.425	1.410	3.33

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: BNA_N Calibration Date/Time: 06/05/2025 09:42

Lab File ID: BN037172.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.553		-0.7	20.0
Fluoranthene-d10	1.016	0.921		-9.4	20.0
2-Fluorophenol	0.989	0.924		-6.6	20.0
Phenol-d6	1.199	1.117		-6.8	20.0
Nitrobenzene-d5	0.422	0.422		0.0	20.0
2-Fluorobiphenyl	1.705	1.677		-1.6	20.0
2,4,6-Tribromophenol	0.161	0.143		-11.2	20.0
Terphenyl-d14	0.942	0.898		-4.7	20.0
1,4-Dioxane	0.533	0.502		-5.8	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: BNA_N Calibration Date/Time: 06/05/2025 19:22

Lab File ID: BN037187.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.568		2.0	50.0
Fluoranthene-d10	1.016	0.933		-8.2	50.0
2-Fluorophenol	0.989	0.947		-4.2	50.0
Phenol-d6	1.199	1.170		-2.4	50.0
Nitrobenzene-d5	0.422	0.423		0.2	50.0
2-Fluorobiphenyl	1.705	1.588		-6.9	50.0
2,4,6-Tribromophenol	0.161	0.150		-6.8	50.0
Terphenyl-d14	0.942	0.931		-1.2	50.0
1,4-Dioxane	0.533	0.497		-6.8	50.0

All other compounds must meet a minimum RRF of 0.010.