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

LAB CHRONICLE

OrderID:	Q1004	**OrderDate:**	1/2/2025 3:42:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1004-01	**BP-VPB-190A-TB-20241230**	**Water**			**12/30/24**			**01/02/25**
			VOCMS Group1	8260-Low			01/06/25	
Q1004-02	**VPB190A-HYD-20241231**	**Water**			**12/31/24**			**01/02/25**
			VOCMS Group1	8260-Low			01/06/25	
Q1004-03	**BP-VPB-190A-EB-20241231**	**Water**			**12/31/24**			**01/02/25**
			VOCMS Group1	8260-Low			01/06/25	
Q1004-04	**BP-VPB-190A-GW-778-780**	**Water**			**12/31/24**			**01/02/25**
			VOCMS Group1	8260-Low			01/07/25	
Q1004-05	**BP-VPB-190A-GW-803-805**	**Water**			**01/02/25**			**01/02/25**
			VOCMS Group1	8260-Low			01/06/25	
Q1004-06	**BP-VPB-190A-GW-818-820**	**Water**			**01/02/25**			**01/02/25**
			VOCMS Group1	8260-Low			01/06/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1004

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**VPB190A-HYD-20241231**								
Q1004-02	VPB190A-HYD-20	Water	Chloromethane	0.48	J	0.35	0.50	1.00	ug/L
Q1004-02	VPB190A-HYD-20	Water	Acetone	2.40	J	1.40	3.80	5.00	ug/L
			Total Voc :	2.88					
			Total Concentration:	2.88					
Client ID:	**BP-VPB-190A-GW-778-780**								
Q1004-04	BP-VPB-190A-GW	Water	Acetone	4.10	J	1.40	3.80	5.00	ug/L
Q1004-04	BP-VPB-190A-GW	Water	Trichloroethene	4.40		0.32	0.75	1.00	ug/L
			Total Voc :	8.50					
			Total Concentration:	8.50					
Client ID:	**BP-VPB-190A-GW-803-805**								
Q1004-05	BP-VPB-190A-GW	Water	Chloromethane	0.37	J	0.35	0.50	1.00	ug/L
Q1004-05	BP-VPB-190A-GW	Water	Acetone	4.20	J	1.40	3.80	5.00	ug/L
Q1004-05	BP-VPB-190A-GW	Water	Carbon Disulfide	0.57	J	0.32	0.75	1.00	ug/L
			Total Voc :	5.14					
			Total Concentration:	5.14					
Client ID:	**BP-VPB-190A-GW-818-820**								
Q1004-06	BP-VPB-190A-GW	Water	Acetone	5.00		1.40	3.80	5.00	ug/L
			Total Voc :	5.00					
			Total Concentration:	5.00					

SAMPLE DATA

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

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/30/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-TB-20241230	SDG No.:	Q1004
Lab Sample ID:	Q1004-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044590.D	1		01/06/25 13:09	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/30/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-TB-20241230	SDG No.:	Q1004
Lab Sample ID:	Q1004-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044590.D	1		01/06/25 13:09	VX010625

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.1		81 - 118		88%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	53.3		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	131000	5.544				
540-36-3	1,4-Difluorobenzene	227000	6.757				
3114-55-4	Chlorobenzene-d5	200000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	105000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D.					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/30/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-TB-20241230	SDG No.:	Q1004
Lab Sample ID:	Q1004-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044590.D	1		01/06/25 13:09	VX010625

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	VPB190A-HYD-20241231	SDG No.:	Q1004
Lab Sample ID:	Q1004-02	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044592.D	1		01/06/25 13:55	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.48	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.40	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	VPB190A-HYD-20241231	SDG No.:	Q1004
Lab Sample ID:	Q1004-02	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044592.D	1		01/06/25 13:55	VX010625

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.5		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	5.544				
540-36-3	1,4-Difluorobenzene	225000	6.757				
3114-55-4	Chlorobenzene-d5	199000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	88100	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D.					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	VPB190A-HYD-20241231	SDG No.:	Q1004
Lab Sample ID:	Q1004-02	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044592.D	1		01/06/25 13:55	VX010625

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-EB-20241231	SDG No.:	Q1004
Lab Sample ID:	Q1004-03	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044591.D	1		01/06/25 13:32	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-EB-20241231	SDG No.:	Q1004
Lab Sample ID:	Q1004-03	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044591.D	1		01/06/25 13:32	VX010625

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.4		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	53.7		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.55				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	199000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	86300	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D.					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-EB-20241231	SDG No.:	Q1004
Lab Sample ID:	Q1004-03	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044591.D	1		01/06/25 13:32	VX010625

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-778-780	SDG No.:	Q1004
Lab Sample ID:	Q1004-04	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044608.D	1		01/07/25 17:42	VX010725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	4.10	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	4.40		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-778-780	SDG No.:	Q1004
Lab Sample ID:	Q1004-04	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044608.D	1		01/07/25 17:42	VX010725

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.8		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172000	5.544				
540-36-3	1,4-Difluorobenzene	314000	6.751				
3114-55-4	Chlorobenzene-d5	283000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D.					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-778-780	SDG No.:	Q1004
Lab Sample ID:	Q1004-04	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044608.D	1		01/07/25 17:42	VX010725

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-803-805	SDG No.:	Q1004
Lab Sample ID:	Q1004-05	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044588.D	1		01/06/25 12:23	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.37	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	4.20	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.57	J	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-803-805	SDG No.:	Q1004
Lab Sample ID:	Q1004-05	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044588.D	1		01/06/25 12:23	VX010625

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.5		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	53.8		89 - 112		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	5.544				
540-36-3	1,4-Difluorobenzene	224000	6.757				
3114-55-4	Chlorobenzene-d5	201000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	86400	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D.					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-803-805	SDG No.:	Q1004
Lab Sample ID:	Q1004-05	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044588.D	1		01/06/25 12:23	VX010625

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-818-820	SDG No.:	Q1004
Lab Sample ID:	Q1004-06	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044589.D	1		01/06/25 12:46	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	5.00		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-818-820	SDG No.:	Q1004
Lab Sample ID:	Q1004-06	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044589.D	1		01/06/25 12:46	VX010625

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.8		81 - 118		88%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	54.6		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.544				
540-36-3	1,4-Difluorobenzene	230000	6.757				
3114-55-4	Chlorobenzene-d5	201000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	84100	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D.					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-818-820	SDG No.:	Q1004
Lab Sample ID:	Q1004-06	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044589.D	1		01/06/25 12:46	VX010625

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

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

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1004

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1004-01	BP-VPB-190A-TB-20241230	1,2-Dichloroethane-d4	50	44.1	88	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	53.3	107	89	112
		4-Bromofluorobenzene	50	54.3	109	85	114
Q1004-02	VPB190A-HYD-20241231	1,2-Dichloroethane-d4	50	43.5	87	81	118
		Dibromofluoromethane	50	50.7	101	80	119
		Toluene-d8	50	50.8	102	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114
Q1004-03	BP-VPB-190A-EB-20241231	1,2-Dichloroethane-d4	50	42.4	85	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	53.7	107	89	112
		4-Bromofluorobenzene	50	49.7	99	85	114
Q1004-04	BP-VPB-190A-GW-778-780	1,2-Dichloroethane-d4	50	49.8	100	81	118
		Dibromofluoromethane	50	46.9	94	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	50.3	101	85	114
Q1004-05	BP-VPB-190A-GW-803-805	1,2-Dichloroethane-d4	50	42.5	85	81	118
		Dibromofluoromethane	50	52.1	104	80	119
		Toluene-d8	50	53.8	108	89	112
		4-Bromofluorobenzene	50	51.2	102	85	114
Q1004-06	BP-VPB-190A-GW-818-820	1,2-Dichloroethane-d4	50	43.8	88	81	118
		Dibromofluoromethane	50	52.7	105	80	119
		Toluene-d8	50	54.6	109	89	112
		4-Bromofluorobenzene	50	49.8	100	85	114
VX0106WBL01	VX0106WBL01	1,2-Dichloroethane-d4	50	43.7	87	81	118
		Dibromofluoromethane	50	49.2	98	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	52.0	104	85	114
VX0106WBS01	VX0106WBS01	1,2-Dichloroethane-d4	50	42.7	85	81	118
		Dibromofluoromethane	50	54.8	110	80	119
		Toluene-d8	50	53.8	108	89	112
		4-Bromofluorobenzene	50	53.9	108	85	114
VX0106WBSD0	VX0106WBSD01	1,2-Dichloroethane-d4	50	46.7	93	81	118
		Dibromofluoromethane	50	53.2	106	80	119
		Toluene-d8	50	53.9	108	89	112
		4-Bromofluorobenzene	50	55.2	110	85	114
VX0107WBL01	VX0107WBL01	1,2-Dichloroethane-d4	50	50.6	101	81	118
		Dibromofluoromethane	50	47.1	94	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	47.6	95	85	114
VX0107WBS02	VX0107WBS02	1,2-Dichloroethane-d4	50	50.2	100	81	118
		Dibromofluoromethane	50	48.5	97	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1004

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0106WBS01	Chloromethane	20	17.8	ug/L	89			50	139	
	Vinyl chloride	20	17.3	ug/L	86			58	137	
	Bromomethane	20	17.2	ug/L	86			53	141	
	Chloroethane	20	18.2	ug/L	91			60	138	
	Trichlorofluoromethane	20	16.5	ug/L	83			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101			70	136	
	1,1-Dichloroethene	20	20.0	ug/L	100			71	131	
	Acetone	100	73.3	ug/L	73			39	160	
	Carbon disulfide	20	20.3	ug/L	102			64	133	
	Methyl tert-butyl Ether	20	17.8	ug/L	89			71	124	
	Methylene Chloride	20	19.7	ug/L	99			74	124	
	trans-1,2-Dichloroethene	20	19.3	ug/L	97			75	124	
	1,1-Dichloroethane	20	18.2	ug/L	91			77	125	
	2-Butanone	100	78.1	ug/L	78			56	143	
	Carbon Tetrachloride	20	22.0	ug/L	110			72	136	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			78	123	
	Chloroform	20	18.0	ug/L	90			79	124	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			74	131	
	Methylcyclohexane	20	22.5	ug/L	113			72	132	
	Benzene	20	21.5	ug/L	108			79	120	
	1,2-Dichloroethane	20	20.7	ug/L	104			73	128	
	Trichloroethene	20	23.5	ug/L	117			79	123	
	1,2-Dichloropropane	20	21.2	ug/L	106			78	122	
	Bromodichloromethane	20	22.5	ug/L	113			79	125	
	4-Methyl-2-Pentanone	100	93.6	ug/L	94			67	130	
	Toluene	20	22.1	ug/L	111			80	121	
	t-1,3-Dichloropropene	20	21.5	ug/L	108			73	127	
	cis-1,3-Dichloropropene	20	22.6	ug/L	113			75	124	
	1,1,2-Trichloroethane	20	22.2	ug/L	111			80	119	
	2-Hexanone	100	92.7	ug/L	93			57	139	
	Dibromochloromethane	20	22.5	ug/L	113			74	126	
	Tetrachloroethene	20	24.5	ug/L	123			74	129	
	Chlorobenzene	20	22.1	ug/L	111			82	118	
	Ethyl Benzene	20	21.4	ug/L	107			79	121	
	m/p-Xylenes	40	45.1	ug/L	113			80	121	
	o-Xylene	20	22.1	ug/L	111			78	122	
	Styrene	20	22.0	ug/L	110			78	123	
	Bromoform	20	23.2	ug/L	116			66	130	
	Isopropylbenzene	20	21.0	ug/L	105			72	131	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			71	121	
	1,3-Dichlorobenzene	20	22.1	ug/L	111			80	119	
	1,4-Dichlorobenzene	20	21.7	ug/L	109			79	118	
	1,2-Dichlorobenzene	20	21.2	ug/L	106			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1004

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0106WBSD01	Chloromethane	20	18.3	ug/L	92	3		50	139	20
	Vinyl chloride	20	17.9	ug/L	90	5		58	137	20
	Bromomethane	20	17.0	ug/L	85	1		53	141	20
	Chloroethane	20	19.0	ug/L	95	4		60	138	20
	Trichlorofluoromethane	20	16.4	ug/L	82	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/L	101	0		70	136	20
	1,1-Dichloroethene	20	20.8	ug/L	104	4		71	131	20
	Acetone	100	78.5	ug/L	79	8		39	160	20
	Carbon disulfide	20	20.8	ug/L	104	2		64	133	20
	Methyl tert-butyl Ether	20	19.1	ug/L	96	8		71	124	20
	Methylene Chloride	20	20.3	ug/L	102	3		74	124	20
	trans-1,2-Dichloroethene	20	20.3	ug/L	102	5		75	124	20
	1,1-Dichloroethane	20	19.9	ug/L	100	9		77	125	20
	2-Butanone	100	86.4	ug/L	86	10		56	143	20
	Carbon Tetrachloride	20	21.8	ug/L	109	1		72	136	20
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	4		78	123	20
	Chloroform	20	19.0	ug/L	95	5		79	124	20
	1,1,1-Trichloroethane	20	19.7	ug/L	99	2		74	131	20
	Methylcyclohexane	20	23.0	ug/L	115	2		72	132	20
	Benzene	20	22.2	ug/L	111	3		79	120	20
	1,2-Dichloroethane	20	21.3	ug/L	106	2		73	128	20
	Trichloroethene	20	23.0	ug/L	115	2		79	123	20
	1,2-Dichloropropane	20	21.5	ug/L	108	2		78	122	20
	Bromodichloromethane	20	22.5	ug/L	113	0		79	125	20
	4-Methyl-2-Pentanone	100	97.7	ug/L	98	4		67	130	20
	Toluene	20	22.3	ug/L	112	1		80	121	20
	t-1,3-Dichloropropene	20	21.6	ug/L	108	0		73	127	20
	cis-1,3-Dichloropropene	20	22.9	ug/L	115	2		75	124	20
	1,1,2-Trichloroethane	20	23.2	ug/L	116	4		80	119	20
	2-Hexanone	100	98.0	ug/L	98	5		57	139	20
	Dibromochloromethane	20	23.2	ug/L	116	3		74	126	20
	Tetrachloroethene	20	25.0	ug/L	125	2		74	129	20
	Chlorobenzene	20	22.8	ug/L	114	3		82	118	20
	Ethyl Benzene	20	21.6	ug/L	108	1		79	121	20
	m/p-Xylenes	40	45.0	ug/L	113	0		80	121	20
	o-Xylene	20	22.4	ug/L	112	1		78	122	20
	Styrene	20	22.7	ug/L	114	4		78	123	20
	Bromoform	20	25.0	ug/L	125	7		66	130	20
	Isopropylbenzene	20	21.1	ug/L	106	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101	5		71	121	20
	1,3-Dichlorobenzene	20	22.9	ug/L	115	4		80	119	20
	1,4-Dichlorobenzene	20	22.7	ug/L	114	4		79	118	20
	1,2-Dichlorobenzene	20	22.6	ug/L	113	6		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1004

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044606.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0107WBS02	Chloromethane	20	17.3	ug/L	86			50	139	
	Vinyl chloride	20	18.2	ug/L	91			58	137	
	Bromomethane	20	18.0	ug/L	90			53	141	
	Chloroethane	20	17.6	ug/L	88			60	138	
	Trichlorofluoromethane	20	19.5	ug/L	98			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			70	136	
	1,1-Dichloroethene	20	17.7	ug/L	89			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	17.6	ug/L	88			64	133	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			71	124	
	Methylene Chloride	20	17.5	ug/L	88			74	124	
	trans-1,2-Dichloroethene	20	17.8	ug/L	89			75	124	
	1,1-Dichloroethane	20	18.0	ug/L	90			77	125	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	17.9	ug/L	90			72	136	
	cis-1,2-Dichloroethene	20	17.6	ug/L	88			78	123	
	Chloroform	20	17.8	ug/L	89			79	124	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			74	131	
	Methylcyclohexane	20	18.7	ug/L	94			72	132	
	Benzene	20	17.6	ug/L	88			79	120	
	1,2-Dichloroethane	20	18.9	ug/L	95			73	128	
	Trichloroethene	20	16.8	ug/L	84			79	123	
	1,2-Dichloropropane	20	18.0	ug/L	90			78	122	
	Bromodichloromethane	20	18.6	ug/L	93			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	18.4	ug/L	92			80	121	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			73	127	
	cis-1,3-Dichloropropene	20	18.6	ug/L	93			75	124	
	1,1,2-Trichloroethane	20	18.3	ug/L	92			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	18.4	ug/L	92			74	126	
	Tetrachloroethene	20	17.3	ug/L	86			74	129	
	Chlorobenzene	20	18.3	ug/L	92			82	118	
	Ethyl Benzene	20	18.8	ug/L	94			79	121	
	m/p-Xylenes	40	38.0	ug/L	95			80	121	
	o-Xylene	20	18.3	ug/L	92			78	122	
	Styrene	20	18.9	ug/L	95			78	123	
	Bromoform	20	17.8	ug/L	89			66	130	
	Isopropylbenzene	20	17.2	ug/L	86			72	131	
	1,1,2,2-Tetrachloroethane	20	17.1	ug/L	86			71	121	
	1,3-Dichlorobenzene	20	18.5	ug/L	93			80	119	
	1,4-Dichlorobenzene	20	17.8	ug/L	89			79	118	
	1,2-Dichlorobenzene	20	18.3	ug/L	92			80	119	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0106WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: VX044585.D Lab Sample ID: VX0106WBL01

Date Analyzed: 01/06/2025 Time Analyzed: 11:07

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
VX0106WBS01	VX0106WBS01	VX044586.D	01/06/2025
VX0106WBSD01	VX0106WBSD01	VX044587.D	01/06/2025
BP-VPB-190A-GW-803-805	Q1004-05	VX044588.D	01/06/2025
BP-VPB-190A-GW-818-820	Q1004-06	VX044589.D	01/06/2025
BP-VPB-190A-TB-20241230	Q1004-01	VX044590.D	01/06/2025
BP-VPB-190A-EB-20241231	Q1004-03	VX044591.D	01/06/2025
VPB190A-HYD-20241231	Q1004-02	VX044592.D	01/06/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0107WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: VX044604.D Lab Sample ID: VX0107WBL01

Date Analyzed: 01/07/2025 Time Analyzed: 16:06

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
VX0107WBS02	VX0107WBS02	VX044606.D	01/07/2025
BP-VPB-190A-GW-778-780	Q1004-04	VX044608.D	01/07/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: VX044218.D BFB Injection Date: 12/11/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:13

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	21.7
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	6.7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.2 (7.3) 1
176	95.0 - 101.0% of mass 174	68.7 (96.6) 1
177	5.0 - 9.0% of mass 176	4.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX044219.D	12/11/2024	10:41
VSTDICC005	VSTDICC005	VX044220.D	12/11/2024	11:27
VSTDICC020	VSTDICC020	VX044221.D	12/11/2024	11:50
VSTDICCC050	VSTDICCC050	VX044222.D	12/11/2024	12:14
VSTDICC100	VSTDICC100	VX044223.D	12/11/2024	12:37
VSTDICC150	VSTDICC150	VX044224.D	12/11/2024	13:00

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A B C D E F G

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: VX044582.D BFB Injection Date: 01/06/2025

Instrument ID: MSVOA_X BFB Injection Time: 07:55

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	83.4
175	5.0 - 9.0% of mass 174	6.3 (7.5) 1
176	95.0 - 101.0% of mass 174	80.9 (97) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 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	VX044583.D	01/06/2025	10:04
VX0106WBL01	VX0106WBL01	VX044585.D	01/06/2025	11:07
VX0106WBS01	VX0106WBS01	VX044586.D	01/06/2025	11:33
VX0106WBSD01	VX0106WBSD01	VX044587.D	01/06/2025	12:00
BP-VPB-190A-GW-803-805	Q1004-05	VX044588.D	01/06/2025	12:23
BP-VPB-190A-GW-818-820	Q1004-06	VX044589.D	01/06/2025	12:46
BP-VPB-190A-TB-20241230	Q1004-01	VX044590.D	01/06/2025	13:09
BP-VPB-190A-EB-20241231	Q1004-03	VX044591.D	01/06/2025	13:32
VPB190A-HYD-20241231	Q1004-02	VX044592.D	01/06/2025	13:55
VSTDCCC050EC	VSTDCCC050	VX044594.D	01/06/2025	15:19

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: VX044595.D BFB Injection Date: 01/07/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:14

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.5
175	5.0 - 9.0% of mass 174	5.7 (8) 1
176	95.0 - 101.0% of mass 174	70.2 (98.2) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX044596.D	01/07/2025	10:06
VSTDICC005	VSTDICC005	VX044597.D	01/07/2025	10:29
VSTDICC020	VSTDICC020	VX044598.D	01/07/2025	10:51
VSTDICCC050	VSTDICCC050	VX044599.D	01/07/2025	11:14
VSTDICC100	VSTDICC100	VX044600.D	01/07/2025	11:37
VSTDICC150	VSTDICC150	VX044601.D	01/07/2025	12:00
VX0107WBL01	VX0107WBL01	VX044604.D	01/07/2025	16:06
VX0107WBS02	VX0107WBS02	VX044606.D	01/07/2025	16:57
BP-VPB-190A-GW-778-780	Q1004-04	VX044608.D	01/07/2025	17:42
VSTDCCC050EC	VSTDCCC050	VX044613.D	01/07/2025	19:37

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: VX044583.D Date Analyzed: 01/06/2025

Instrument ID: MSVOA_X Time Analyzed: 10:04

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	140073	5.54	226822	6.76	192469	10.05
UPPER LIMIT	280146	6.044	453644	7.257	384938	10.549
LOWER LIMIT	70036.5	5.044	113411	6.257	96234.5	9.549
EPA SAMPLE NO.						
BP-VPB-190A-TB-20241230	131304	5.54	227347	6.76	199851	10.06
VPB190A-HYD-20241231	129626	5.54	225020	6.76	199321	10.05
BP-VPB-190A-EB-20241231	133528	5.55	229475	6.76	198904	10.06
BP-VPB-190A-GW-803-805	129615	5.54	224090	6.76	201326	10.05
BP-VPB-190A-GW-818-820	134340	5.54	229618	6.76	200545	10.05
VX0106WBL01	138122	5.55	249283	6.76	219263	10.05
VX0106WBS01	149600	5.54	239169	6.75	210557	10.05
VX0106WBSD01	134840	5.54	227677	6.76	199132	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: VX044583.D Date Analyzed: 01/06/2025

Instrument ID: MSVOA_X Time Analyzed: 10:04

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

	IS4 AREA #	RT #				
12 HOUR STD	96415	12.018				
UPPER LIMIT	192830	12.518				
LOWER LIMIT	48207.5	11.518				
EPA SAMPLE NO.						
BP-VPB-190A-TB-20241230	104847	12.02				
VPB190A-HYD-20241231	88101	12.02				
BP-VPB-190A-EB-20241231	86329	12.02				
BP-VPB-190A-GW-803-805	86406	12.02				
BP-VPB-190A-GW-818-820	84064	12.02				
VX0106WBL01	101513	12.02				
VX0106WBS01	101841	12.02				
VX0106WBSD01	96127	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: VX044599.D Date Analyzed: 01/07/2025

Instrument ID: MSVOA_X Time Analyzed: 11:14

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	173796	5.54	298796	6.76	260263	10.05
UPPER LIMIT	347592	6.044	597592	7.257	520526	10.549
LOWER LIMIT	86898	5.044	149398	6.257	130132	9.549
EPA SAMPLE NO.						
BP-VPB-190A-GW-778-780	172015	5.54	313643	6.75	283361	10.05
VX0107WBL01	173540	5.54	316021	6.75	270881	10.05
VX0107WBS02	220733	5.54	377450	6.75	324333	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: VX044599.D Date Analyzed: 01/07/2025

Instrument ID: MSVOA_X Time Analyzed: 11:14

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

	IS4 AREA #	RT #				
12 HOUR STD	121154	12.018				
UPPER LIMIT	242308	12.518				
LOWER LIMIT	60577	11.518				
EPA SAMPLE NO.						
BP-VPB-190A-GW-778-780	116507	12.02				
VX0107WBL01	109213	12.02				
VX0107WBS02	167120	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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0106WBL01	SDG No.:	Q1004
Lab Sample ID:	VX0106WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044585.D	1		01/06/25 11:07	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	2.50	5.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0106WBL01	SDG No.:	Q1004
Lab Sample ID:	VX0106WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044585.D	1		01/06/25 11:07	VX010625

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.7		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.549				
540-36-3	1,4-Difluorobenzene	249000	6.756				
3114-55-4	Chlorobenzene-d5	219000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	102000	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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0107WBL01	SDG No.:	Q1004
Lab Sample ID:	VX0107WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044604.D	1		01/07/25 16:06	VX010725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	2.50	5.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0107WBL01	SDG No.:	Q1004
Lab Sample ID:	VX0107WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044604.D	1		01/07/25 16:06	VX010725

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	5.544				
540-36-3	1,4-Difluorobenzene	316000	6.751				
3114-55-4	Chlorobenzene-d5	271000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	109000	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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0106WBS01	SDG No.:	Q1004
Lab Sample ID:	VX0106WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044586.D	1		01/06/25 11:33	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.3		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.2		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	73.3		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	20.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.8		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.7		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.2		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	78.1		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	22.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.0		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	22.5		0.19	0.50	1.00	ug/L
71-43-2	Benzene	21.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	23.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.2		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	22.5		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.6		0.75	2.50	5.00	ug/L
108-88-3	Toluene	22.1		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.5		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.6		0.18	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	92.7		1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0106WBS01	SDG No.:	Q1004
Lab Sample ID:	VX0106WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044586.D	1		01/06/25 11:33	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	22.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	24.5		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	22.1		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	21.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	45.1		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	22.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	22.0		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	23.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.0		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	22.1		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.7		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.2		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.7		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	53.8		89 - 112		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	150000	5.544				
540-36-3	1,4-Difluorobenzene	239000	6.751				
3114-55-4	Chlorobenzene-d5	211000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	102000	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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0107WBS02	SDG No.:	Q1004
Lab Sample ID:	VX0107WBS02	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044606.D	1		01/07/25 16:57	VX010725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.6		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.26	0.75	1.00	ug/L
67-64-1	Acetone	110		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.8		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.8		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	17.8		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.19	0.50	1.00	ug/L
71-43-2	Benzene	17.6		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	16.8		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.6		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	18.4		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.6		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0107WBS02	SDG No.:	Q1004
Lab Sample ID:	VX0107WBS02	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044606.D	1		01/07/25 16:57	VX010725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.4		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	17.3		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.0		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	18.9		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.8		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.2		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.1		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.5		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.8		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.3		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	221000	5.538				
540-36-3	1,4-Difluorobenzene	377000	6.751				
3114-55-4	Chlorobenzene-d5	324000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	167000	12.018				

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0106WBSD01	SDG No.:	Q1004
Lab Sample ID:	VX0106WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044587.D	1		01/06/25 12:00	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.9		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.4		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.8		0.26	0.75	1.00	ug/L
67-64-1	Acetone	78.5		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	20.8		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	20.3		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.3		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	86.4		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.0		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	23.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	22.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	23.0		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.5		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	22.5		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	97.7		0.75	2.50	5.00	ug/L
108-88-3	Toluene	22.3		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.6		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.9		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	23.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	98.0		1.10	2.50	5.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0106WBSD01	SDG No.:	Q1004
Lab Sample ID:	VX0106WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX044587.D	1		01/06/25 12:00	VX010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	23.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	25.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	22.8		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	21.6		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	45.0		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	22.4		0.14	0.50	1.00	ug/L
100-42-5	Styrene	22.7		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	25.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.1		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	22.9		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	22.7		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	22.6		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.7		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	53.9		89 - 112		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	135000	5.544				
540-36-3	1,4-Difluorobenzene	228000	6.757				
3114-55-4	Chlorobenzene-d5	199000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	96100	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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date(s): 01/07/2025 01/07/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:06 12:00

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

LAB FILE ID: RRF001 = VX044596.D RRF005 = VX044597.D RRF020 = VX044598.D
RRF050 = VX044599.D RRF100 = VX044600.D RRF150 = VX044601.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.736	0.794	0.736	0.736	0.703	0.621	0.721	7.9
Vinyl Chloride	0.629	0.704	0.696	0.710	0.696	0.624	0.676	5.8
Bromomethane		0.380	0.364	0.369	0.369	0.270	0.350	13
Chloroethane	0.482	0.371	0.371	0.324	0.387		0.387	15.1
Trichlorofluoromethane	0.982	1.037	0.991	1.084	1.092	0.855	1.007	8.7
1,1,2-Trichlorotrifluoroethane	0.557	0.586	0.583	0.588	0.596	0.554	0.577	3.1
1,1-Dichloroethene	0.539	0.587	0.549	0.562	0.565	0.553	0.559	3
Acetone	0.310	0.215	0.270	0.275	0.263	0.192	0.254	17
Carbon Disulfide	0.909	1.045	1.058	1.220	1.356	1.352	1.157	15.7
Methyl tert-butyl Ether	1.768	1.979	1.965	2.051	2.012	1.726	1.917	7.1
Methylene Chloride	0.687	0.657	0.661	0.657	0.629	0.598	0.648	4.7
trans-1,2-Dichloroethene	0.554	0.579	0.580	0.580	0.588	0.562	0.574	2.3
1,1-Dichloroethane	1.017	1.181	1.171	1.182	1.156	0.980	1.114	8.2
2-Butanone	0.295	0.393	0.403	0.409	0.399	0.303	0.367	14.4
Carbon Tetrachloride	0.467	0.457	0.491	0.516	0.534	0.488	0.492	5.9
cis-1,2-Dichloroethene	0.601	0.763	0.715	0.731	0.711	0.679	0.700	7.9
Chloroform	1.142	1.316	1.258	1.253	1.210	1.028	1.201	8.5
1,1,1-Trichloroethane	0.848	1.057	1.051	1.087	1.084	0.939	1.011	9.5
Methylcyclohexane	0.512	0.566	0.572	0.580	0.592	0.571	0.566	4.9
Benzene	1.291	1.449	1.463	1.448	1.399	1.324	1.396	5.2
1,2-Dichloroethane	0.473	0.586	0.603	0.599	0.577	0.437	0.546	13.2
Trichloroethene	0.355	0.364	0.358	0.349	0.353	0.362	0.357	1.6
1,2-Dichloropropane	0.314	0.340	0.363	0.362	0.353	0.310	0.340	6.9
Bromodichloromethane	0.401	0.472	0.503	0.524	0.530	0.459	0.482	10
4-Methyl-2-Pentanone	0.361	0.455	0.486	0.491	0.477	0.354	0.437	14.4
Toluene	0.736	0.867	0.896	0.878	0.865	0.811	0.842	7
t-1,3-Dichloropropene	0.330	0.416	0.486	0.519	0.537	0.473	0.460	16.6
cis-1,3-Dichloropropene	0.426	0.480	0.533	0.570	0.575	0.521	0.517	11
1,1,2-Trichloroethane	0.308	0.345	0.349	0.345	0.326	0.308	0.330	5.7
2-Hexanone	0.232	0.310	0.348	0.359	0.348	0.259	0.309	17.1

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date(s): 01/07/2025 01/07/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:06 12:00

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

LAB FILE ID: RRF001 = VX044596.D RRF005 = VX044597.D RRF020 = VX044598.D
RRF050 = VX044599.D RRF100 = VX044600.D RRF150 = VX044601.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.231	0.305	0.339	0.368	0.371	0.362	0.329	16.4
Tetrachloroethene	0.360	0.370	0.362	0.346	0.338	0.345	0.354	3.5
Chlorobenzene	0.977	1.089	1.086	1.088	1.063	1.065	1.061	4
Ethyl Benzene	1.555	1.854	1.919	1.928	1.895	1.783	1.822	7.8
m/p-Xylenes	0.518	0.677	0.713	0.715	0.711	0.684	0.670	11.4
o-Xylene	0.636	0.650	0.696	0.696	0.693	0.683	0.676	3.8
Styrene	0.790	1.026	1.156	1.187	1.181	1.145	1.081	14.3
Bromoform	0.153	0.200	0.225	0.248	0.271	0.293	0.232	21.9
Isopropylbenzene	3.392	3.801	3.892	3.885	3.740	3.516	3.704	5.6
1,1,2,2-Tetrachloroethane	1.145	1.320	1.227	1.255	1.166	1.051	1.194	7.9
1,3-Dichlorobenzene	1.456	1.659	1.683	1.688	1.629	1.653	1.628	5.4
1,4-Dichlorobenzene	1.762	1.780	1.665	1.685	1.637	1.646	1.696	3.6
1,2-Dichlorobenzene	1.560	1.699	1.669	1.699	1.612	1.630	1.645	3.3
1,2-Dichloroethane-d4		0.919	0.850	0.817	0.819	0.626	0.806	13.5
Dibromofluoromethane		0.354	0.347	0.335	0.348	0.330	0.343	3
Toluene-d8		1.192	1.213	1.156	1.185	1.109	1.171	3.5
4-Bromofluorobenzene		0.404	0.416	0.415	0.432	0.400	0.413	3

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:41 13:00

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

LAB FILE ID: RRF001 = VX044219.D RRF005 = VX044220.D RRF020 = VX044221.D
RRF050 = VX044222.D RRF100 = VX044223.D RRF150 = VX044224.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.743	0.747	0.735	0.756	0.715	0.740	0.739	1.8
Vinyl Chloride	0.805	0.790	0.782	0.786	0.722	0.737	0.770	4.3
Bromomethane		0.590	0.513	0.551	0.529	0.548	0.546	5.3
Chloroethane	0.464	0.520	0.515	0.532	0.422	0.426	0.480	10.2
Trichlorofluoromethane	1.582	1.519	1.514	1.541	1.478	1.414	1.508	3.8
1,1,2-Trichlorotrifluoroethane	0.633	0.628	0.592	0.615	0.573	0.620	0.610	3.8
1,1-Dichloroethene	0.512	0.560	0.544	0.596	0.554	0.596	0.560	5.7
Acetone	0.359	0.353	0.331	0.381	0.348	0.372	0.357	5
Carbon Disulfide	0.841	0.872	0.937	1.150	1.230	1.362	1.065	20
Methyl tert-butyl Ether	2.054	2.188	2.127	2.305	2.170	2.279	2.187	4.3
Methylene Chloride	0.679	0.678	0.666	0.689	0.648	0.668	0.671	2.1
trans-1,2-Dichloroethene	0.600	0.556	0.577	0.619	0.595	0.626	0.596	4.4
1,1-Dichloroethane	1.071	1.173	1.154	1.244	1.171	1.218	1.172	5.1
2-Butanone	0.449	0.491	0.510	0.548	0.509	0.541	0.508	7.1
Carbon Tetrachloride	0.484	0.443	0.432	0.501	0.502	0.529	0.482	7.8
cis-1,2-Dichloroethene	0.809	0.737	0.728	0.772	0.731	0.762	0.756	4.1
Chloroform	1.389	1.312	1.272	1.343	1.272	1.310	1.316	3.4
1,1,1-Trichloroethane	0.993	1.019	1.077	1.176	1.119	1.173	1.093	7.1
Methylcyclohexane	0.514	0.503	0.527	0.555	0.550	0.562	0.535	4.5
Benzene	1.353	1.353	1.332	1.410	1.353	1.353	1.359	1.9
1,2-Dichloroethane	0.554	0.557	0.545	0.584	0.556	0.564	0.560	2.4
Trichloroethene	0.356	0.325	0.325	0.349	0.337	0.342	0.339	3.8
1,2-Dichloropropane	0.368	0.345	0.330	0.357	0.341	0.342	0.347	3.8
Bromodichloromethane	0.380	0.411	0.436	0.508	0.518	0.538	0.465	13.9
4-Methyl-2-Pentanone	0.506	0.551	0.547	0.590	0.561	0.582	0.556	5.4
Toluene	0.908	0.830	0.816	0.877	0.841	0.849	0.853	4
t-1,3-Dichloropropene	0.338	0.357	0.439	0.514	0.526	0.558	0.455	20.3
cis-1,3-Dichloropropene	0.404	0.441	0.488	0.567	0.558	0.583	0.507	14.6
1,1,2-Trichloroethane	0.337	0.332	0.335	0.358	0.334	0.340	0.339	2.8
2-Hexanone	0.323	0.386	0.408	0.439	0.420	0.438	0.403	10.8

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:41 13:00

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

LAB FILE ID: RRF001 = VX044219.D RRF005 = VX044220.D RRF020 = VX044221.D
RRF050 = VX044222.D RRF100 = VX044223.D RRF150 = VX044224.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.254	0.248	0.306	0.370	0.378	0.398	0.326	20.2
Tetrachloroethene	0.359	0.354	0.317	0.321	0.312	0.327	0.332	6
Chlorobenzene	1.130	1.068	1.039	1.088	1.036	1.067	1.071	3.3
Ethyl Benzene	1.853	1.806	1.816	1.927	1.831	1.875	1.851	2.4
m/p-Xylenes	0.653	0.660	0.665	0.707	0.683	0.707	0.679	3.5
o-Xylene	0.686	0.683	0.685	0.703	0.671	0.697	0.687	1.6
Styrene	1.007	1.019	1.099	1.162	1.148	1.177	1.102	6.7
Bromoform	0.137	0.173	0.194	0.247	0.269	0.297	0.219	28
Isopropylbenzene	3.665	3.976	3.920	3.912	3.747	3.747	3.828	3.2
1,1,2,2-Tetrachloroethane	1.410	1.350	1.332	1.336	1.256	1.293	1.329	3.9
1,3-Dichlorobenzene	1.519	1.634	1.640	1.683	1.625	1.628	1.621	3.3
1,4-Dichlorobenzene	1.811	1.640	1.632	1.672	1.621	1.623	1.667	4.4
1,2-Dichlorobenzene	1.745	1.666	1.668	1.726	1.654	1.643	1.684	2.5
1,2-Dichloroethane-d4		0.934	0.778	0.921	0.862	0.888	0.877	7.1
Dibromofluoromethane		0.353	0.298	0.367	0.360	0.354	0.346	8
Toluene-d8		1.148	1.010	1.251	1.229	1.203	1.168	8.3
4-Bromofluorobenzene		0.390	0.351	0.442	0.432	0.426	0.408	9.2

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date/Time: 01/06/2025 10:04

Lab File ID: VX044583.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.739	0.697	0.1	-5.68	20
Vinyl Chloride	0.770	0.718		-6.75	20
Bromomethane	0.546	0.500		-8.43	20
Chloroethane	0.480	0.424		-11.67	20
Trichlorofluoromethane	1.508	1.348		-10.61	20
1,1,2-Trichlorotrifluoroethane	0.610	0.679		11.31	20
1,1-Dichloroethene	0.560	0.655		16.96	20
Acetone	0.357	0.302		-15.41	20
Carbon Disulfide	1.065	1.367		28.36	20
Methyl tert-butyl Ether	2.187	2.115		-3.29	20
Methylene Chloride	0.671	0.672		0.15	20
trans-1,2-Dichloroethene	0.596	0.624		4.7	20
1,1-Dichloroethane	1.172	1.173	0.1	0.09	20
2-Butanone	0.508	0.443		-12.8	20
Carbon Tetrachloride	0.482	0.600		24.48	20
cis-1,2-Dichloroethene	0.756	0.761		0.66	20
Chloroform	1.316	1.286		-2.28	20
1,1,1-Trichloroethane	1.093	1.135		3.84	20
Methylcyclohexane	0.535	0.678		26.73	20
Benzene	1.359	1.581		16.34	20
1,2-Dichloroethane	0.560	0.603		7.68	20
Trichloroethene	0.339	0.417		23.01	20
1,2-Dichloropropane	0.347	0.385		10.95	20
Bromodichloromethane	0.465	0.577		24.09	20
4-Methyl-2-Pentanone	0.556	0.553		-0.54	20
Toluene	0.853	0.979		14.77	20
t-1,3-Dichloropropene	0.455	0.591		29.89	20
cis-1,3-Dichloropropene	0.507	0.640		26.23	20
1,1,2-Trichloroethane	0.339	0.389		14.75	20
2-Hexanone	0.403	0.407		0.99	20
Dibromochloromethane	0.326	0.435		33.44	20
Tetrachloroethene	0.332	0.427		28.61	20
Chlorobenzene	1.071	1.278	0.3	19.33	20
Ethyl Benzene	1.851	2.216		19.72	20
m/p-Xylenes	0.679	0.831		22.39	20
o-Xylene	0.687	0.825		20.09	20
Styrene	1.102	1.325		20.24	20
Bromoform	0.219	0.335	0.1	52.97	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date/Time: 01/06/2025 10:04

Lab File ID: VX044583.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.828	4.238		10.71	20
1,1,2,2-Tetrachloroethane	1.329	1.381	0.3	3.91	20
1,3-Dichlorobenzene	1.621	1.969		21.47	20
1,4-Dichlorobenzene	1.667	1.945		16.68	20
1,2-Dichlorobenzene	1.684	1.976		17.34	20
1,2-Dichloroethane-d4	0.877	0.783		-10.72	20
Dibromofluoromethane	0.346	0.392		13.3	20
Toluene-d8	1.168	1.261		7.96	20
4-Bromofluorobenzene	0.408	0.457		12.01	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date/Time: 01/06/2025 15:19

Lab File ID: VX044594.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.739	0.713	0.1	-3.52	50
Vinyl Chloride	0.770	0.727		-5.58	50
Bromomethane	0.546	0.510		-6.59	50
Chloroethane	0.480	0.458		-4.58	50
Trichlorofluoromethane	1.508	1.330		-11.8	50
1,1,2-Trichlorotrifluoroethane	0.610	0.677		10.98	50
1,1-Dichloroethene	0.560	0.613		9.46	50
Acetone	0.357	0.267		-25.21	50
Carbon Disulfide	1.065	1.258		18.12	50
Methyl tert-butyl Ether	2.187	2.085		-4.66	50
Methylene Chloride	0.671	0.689		2.68	50
trans-1,2-Dichloroethene	0.596	0.624		4.7	50
1,1-Dichloroethane	1.172	1.183	0.1	0.94	50
2-Butanone	0.508	0.416		-18.11	50
Carbon Tetrachloride	0.482	0.591		22.61	50
cis-1,2-Dichloroethene	0.756	0.781		3.31	50
Chloroform	1.316	1.280		-2.74	50
1,1,1-Trichloroethane	1.093	1.127		3.11	50
Methylcyclohexane	0.535	0.674		25.98	50
Benzene	1.359	1.595		17.37	50
1,2-Dichloroethane	0.560	0.610		8.93	50
Trichloroethene	0.339	0.424		25.07	50
1,2-Dichloropropane	0.347	0.396		14.12	50
Bromodichloromethane	0.465	0.567		21.93	50
4-Methyl-2-Pentanone	0.556	0.537		-3.42	50
Toluene	0.853	0.994		16.53	50
t-1,3-Dichloropropene	0.455	0.561		23.3	50
cis-1,3-Dichloropropene	0.507	0.614		21.1	50
1,1,2-Trichloroethane	0.339	0.394		16.22	50
2-Hexanone	0.403	0.387		-3.97	50
Dibromochloromethane	0.326	0.425		30.37	50
Tetrachloroethene	0.332	0.431		29.82	50
Chlorobenzene	1.071	1.246	0.3	16.34	50
Ethyl Benzene	1.851	2.125		14.8	50
m/p-Xylenes	0.679	0.814		19.88	50
o-Xylene	0.687	0.809		17.76	50
Styrene	1.102	1.344		21.96	50
Bromoform	0.219	0.315	0.1	43.84	50

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date/Time: 01/06/2025 15:19

Lab File ID: VX044594.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.828	4.158		8.62	50
1,1,2,2-Tetrachloroethane	1.329	1.302	0.3	-2.03	50
1,3-Dichlorobenzene	1.621	1.903		17.4	50
1,4-Dichlorobenzene	1.667	1.891		13.44	50
1,2-Dichlorobenzene	1.684	1.902		12.94	50
1,2-Dichloroethane-d4	0.877	0.810		-7.64	50
Dibromofluoromethane	0.346	0.419		21.1	50
Toluene-d8	1.168	1.348		15.41	50
4-Bromofluorobenzene	0.408	0.480		17.65	50

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date/Time: 01/07/2025 19:37

Lab File ID: VX044613.D Init. Calib. Date(s): 01/07/2025 01/07/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:06 12:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.721	0.767	0.1	6.38	50
Vinyl Chloride	0.676	0.734		8.58	50
Bromomethane	0.350	0.372		6.29	50
Chloroethane	0.387	0.385		-0.52	50
Trichlorofluoromethane	1.007	1.105		9.73	50
1,1,2-Trichlorotrifluoroethane	0.577	0.596		3.29	50
1,1-Dichloroethene	0.559	0.569		1.79	50
Acetone	0.254	0.293		15.35	50
Carbon Disulfide	1.157	1.242		7.35	50
Methyl tert-butyl Ether	1.917	2.102		9.65	50
Methylene Chloride	0.648	0.673		3.86	50
trans-1,2-Dichloroethene	0.574	0.581		1.22	50
1,1-Dichloroethane	1.114	1.187	0.1	6.55	50
2-Butanone	0.367	0.441		20.16	50
Carbon Tetrachloride	0.492	0.508		3.25	50
cis-1,2-Dichloroethene	0.700	0.741		5.86	50
Chloroform	1.201	1.263		5.16	50
1,1,1-Trichloroethane	1.011	1.107		9.5	50
Methylcyclohexane	0.566	0.562		-0.71	50
Benzene	1.396	1.418		1.58	50
1,2-Dichloroethane	0.546	0.602		10.26	50
Trichloroethene	0.357	0.344		-3.64	50
1,2-Dichloropropane	0.340	0.353		3.82	50
Bromodichloromethane	0.482	0.530		9.96	50
4-Methyl-2-Pentanone	0.437	0.511		16.93	50
Toluene	0.842	0.870		3.33	50
t-1,3-Dichloropropene	0.460	0.511		11.09	50
cis-1,3-Dichloropropene	0.517	0.555		7.35	50
1,1,2-Trichloroethane	0.330	0.348		5.45	50
2-Hexanone	0.309	0.374		21.04	50
Dibromochloromethane	0.329	0.365		10.94	50
Tetrachloroethene	0.354	0.336		-5.09	50
Chlorobenzene	1.061	1.087	0.3	2.45	50
Ethyl Benzene	1.822	1.948		6.91	50
m/p-Xylenes	0.670	0.721		7.61	50
o-Xylene	0.676	0.707		4.59	50
Styrene	1.081	1.185		9.62	50
Bromoform	0.232	0.258	0.1	11.21	50

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: MSVOA_X Calibration Date/Time: 01/07/2025 19:37

Lab File ID: VX044613.D Init. Calib. Date(s): 01/07/2025 01/07/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:06 12:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.704	3.898		5.24	50
1,1,2,2-Tetrachloroethane	1.194	1.276	0.3	6.87	50
1,3-Dichlorobenzene	1.628	1.657		1.78	50
1,4-Dichlorobenzene	1.696	1.652		-2.59	50
1,2-Dichlorobenzene	1.645	1.699		3.28	50
1,2-Dichloroethane-d4	0.806	0.902		11.91	50
Dibromofluoromethane	0.343	0.357		4.08	50
Toluene-d8	1.171	1.217		3.93	50
4-Bromofluorobenzene	0.413	0.433		4.84	50

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

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LAB CHRONICLE

OrderID:	Q1004	**OrderDate:**	1/2/2025 3:42:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1004-02	**VPB190A-HYD-20241231**	**Water**			**12/31/24**			**01/02/25**
			SVOC-SIMGroup1	8270-Modified		01/03/25	01/06/25	
Q1004-05	**BP-VPB-190A-GW-803-805**	**Water**			**01/02/25**			**01/02/25**
			SVOC-SIMGroup1	8270-Modified		01/03/25	01/06/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1004

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

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

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/31/24
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	VPB190A-HYD-20241231	SDG No.:	Q1004
Lab Sample ID:	Q1004-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 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
BN035891.D	1	01/03/25 09:00	01/06/25 11:17	PB165947

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	0.15		30 - 150		37%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.26		30 - 150		65%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		101%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1210	7.832				
1146-65-2	Naphthalene-d8	2350	10.622				
15067-26-2	Acenaphthene-d10	1160	14.469				
1517-22-2	Phenanthrene-d10	2320	17.206				
1719-03-5	Chrysene-d12	2030	21.384				
1520-96-3	Perylene-d12	2230	23.689				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/02/25
Client Sample ID:	BP-VPB-190A-GW-803-805	SDG No.:	Q1004
Lab Sample ID:	Q1004-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	850 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
BN035892.D	1	01/03/25 09:00	01/06/25 11:52	PB165947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.24	U	0.080	0.24	0.24	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.25		53 - 106		63%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1020	7.831				
1146-65-2	Naphthalene-d8	2060	10.622				
15067-26-2	Acenaphthene-d10	1220	14.463				
1517-22-2	Phenanthrene-d10	2390	17.199				
1719-03-5	Chrysene-d12	2240	21.385				
1520-96-3	Perylene-d12	2750	23.686				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1004

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB165947BL	PB165947BL	2-Methylnaphthalene-d10	0.4	0.40	99		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.41	103		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.43	107		58	132
PB165947BS	PB165947BS	2-Methylnaphthalene-d10	0.4	0.39	98		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.40	101		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
PB165947BSD	PB165947BSD	2-Methylnaphthalene-d10	0.4	0.45	113		30	150
		Fluoranthene-d10	0.4	0.45	112		30	150
		Nitrobenzene-d5	0.4	0.45	113	*	55	111
		2-Fluorobiphenyl	0.4	0.46	114	*	53	106
		Terphenyl-d14	0.4	0.50	125		58	132
Q1004-02	VPB190A-HYD-20241231	2-Methylnaphthalene-d10	0.4	0.15	37		30	150
		Fluoranthene-d10	0.4	0.26	65		30	150
		Nitrobenzene-d5	0.4	0.33	82		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.40	101		58	132
Q1004-05	BP-VPB-190A-GW-803-805	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.32	81		30	150
		Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.25	63		53	106
		Terphenyl-d14	0.4	0.40	99		58	132

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1004

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN035893.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165947BS	1,4-Dioxane	0.4	0.33	ug/L	83				70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1004

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN035894.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165947BSD	1,4-Dioxane	0.4	0.42	ug/L	105	24		*	70	130	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165947BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: BN035890.D Lab Sample ID: PB165947BL

Instrument ID: BNA_N Date Extracted: 01/03/2025

Matrix: (soil/water) Water Date Analyzed: 01/06/2025

Level: (low/med) LOW Time Analyzed: 10:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165947BS	PB165947BS	BN035893.D	01/06/2025
VPB190A-HYD-20241231	Q1004-02	BN035891.D	01/06/2025
BP-VPB-190A-GW-803-805	Q1004-05	BN035892.D	01/06/2025
PB165947BSD	PB165947BSD	BN035894.D	01/06/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: BN035870.D DFTPP Injection Date: 01/02/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	39
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	43.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	9.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.1 (19.3) 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	BN035871.D	01/02/2025	11:28
SSTDICC0.2	SSTDICC0.2	BN035872.D	01/02/2025	12:04
SSTDICCC0.4	SSTDICCC0.4	BN035873.D	01/02/2025	12:40
SSTDICC0.8	SSTDICC0.8	BN035874.D	01/02/2025	13:16
SSTDICC1.6	SSTDICC1.6	BN035875.D	01/02/2025	13:52
SSTDICC3.2	SSTDICC3.2	BN035876.D	01/02/2025	14:28
SSTDICC5.0	SSTDICC5.0	BN035877.D	01/02/2025	15:04

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1004 SDG NO.: Q1004

Lab File ID: BN035888.D DFTPP Injection Date: 01/06/2025

Instrument ID: BNA_N DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.4
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	41.3
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46
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	24.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	9.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	11.7 (18.6) 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	BN035889.D	01/06/2025	10:05
PB165947BL	PB165947BL	BN035890.D	01/06/2025	10:41
VPB190A-HYD-20241231	Q1004-02	BN035891.D	01/06/2025	11:17
BP-VPB-190A-GW-803-805	Q1004-05	BN035892.D	01/06/2025	11:52
PB165947BS	PB165947BS	BN035893.D	01/06/2025	12:28
PB165947BSD	PB165947BSD	BN035894.D	01/06/2025	13:04
SSTDCCC0.4EC	SSTDCCC0.4	BN035895.D	01/06/2025	13:43

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 01/06/2025

Lab File ID: BN035889.D Time Analyzed: 10:05

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	1532	7.832	2905	10.62	1384	14.47
	UPPER LIMIT	3064	8.332	5810	11.122	2768	14.968
	LOWER LIMIT	766	7.332	1452.5	10.122	692	13.968
	EPA SAMPLE NO.						
01	PB165947BL	1890	7.83	3618	10.62	1759	14.46
02	VPB190A-HYD-20241231	1206	7.83	2348	10.62	1163	14.47
03	PB165947BS	2068	7.83	4038	10.62	1913	14.46
04	BP-VPB-190A-GW-803-805	1016	7.83	2057	10.62	1217	14.46
05	PB165947BSD	1330	7.83	2636	10.62	1250	14.46

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG NO.: Q1004

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 01/06/2025

Lab File ID: BN035889.D Time Analyzed: 10:05

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	2666	17.206	2259	21.384	2595	23.686
	UPPER LIMIT	5332	17.706	4518	21.884	5190	24.186
	LOWER LIMIT	1333	16.706	1129.5	20.884	1297.5	23.186
	EPA SAMPLE NO.						
01	PB165947BL	3309	17.20	2801	21.39	3280	23.69
02	VPB190A-HYD-20241231	2323	17.21	2025	21.38	2231	23.69
03	PB165947BS	3390	17.20	2688	21.39	3023	23.69
04	BP-VPB-190A-GW-803-805	2394	17.20	2243	21.39	2747	23.69
05	PB165947BSD	2246	17.20	1808	21.39	2017	23.69

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

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB165947BL	SDG No.:	Q1004
Lab Sample ID:	PB165947BL	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
BN035890.D	1	01/03/25 09:00	01/06/25 10:41	PB165947

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	0.40		30 - 150		99%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		103%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		107%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1890	7.832				
1146-65-2	Naphthalene-d8	3620	10.622				
15067-26-2	Acenaphthene-d10	1760	14.463				
1517-22-2	Phenanthrene-d10	3310	17.199				
1719-03-5	Chrysene-d12	2800	21.385				
1520-96-3	Perylene-d12	3280	23.686				

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB165947BS	SDG No.:	Q1004
Lab Sample ID:	PB165947BS	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
BN035893.D	1	01/03/25 09:00	01/06/25 12:28	PB165947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.33		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		98%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.40		55 - 111		101%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2070	7.832				
1146-65-2	Naphthalene-d8	4040	10.622				
15067-26-2	Acenaphthene-d10	1910	14.463				
1517-22-2	Phenanthrene-d10	3390	17.199				
1719-03-5	Chrysene-d12	2690	21.385				
1520-96-3	Perylene-d12	3020	23.689				

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB165947BSD	SDG No.:	Q1004
Lab Sample ID:	PB165947BSD	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
BN035894.D	1	01/03/25 09:00	01/06/25 13:04	PB165947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.42		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.45		30 - 150		113%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.45		30 - 150		112%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.45	*	55 - 111		113%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.46	*	53 - 106		114%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		125%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1330	7.831				
1146-65-2	Naphthalene-d8	2640	10.621				
15067-26-2	Acenaphthene-d10	1250	14.463				
1517-22-2	Phenanthrene-d10	2250	17.198				
1719-03-5	Chrysene-d12	1810	21.385				
1520-96-3	Perylene-d12	2020	23.686				

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN010225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jan 02 15:39:17 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN035871.D 0.2 =BN035872.D 0.4 =BN035873.D 0.8 =BN035874.D 1.6 =BN035875.D 3.2 =BN035876.D 5.0 =BN035877.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	0.454	0.422	0.373	0.388	0.391	0.377	0.377	0.397	7.52
3)		n-Nitrosodimet...	0.707	0.674	0.676	0.690	0.722	0.690	0.692	0.693	2.45
4)	S	2-Fluorophenol	1.031	1.009	0.952	0.958	0.997	0.956	0.968	0.981	3.13
5)	S	Phenol-d6	1.351	1.255	1.180	1.197	1.215	1.163	1.170	1.219	5.44
6)		bis(2-Chloroet...	1.001	0.946	0.936	0.913	0.938	0.886	0.879	0.929	4.43
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.346	0.307	0.296	0.302	0.319	0.317	0.330	0.317	5.48
9)		Naphthalene	1.163	1.094	1.086	1.096	1.167	1.113	1.141	1.123	3.00
10)		Hexachlorobuta...	0.368	0.354	0.353	0.363	0.382	0.362	0.369	0.365	2.74
11)	SURR	2-Methylnaphth...	0.547	0.536	0.527	0.519	0.556	0.524	0.540	0.536	2.50
12)		2-Methylnaphth...	0.691	0.654	0.685	0.680	0.731	0.701	0.722	0.695	3.75
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.164	0.165	0.189	0.189	0.207	0.211	0.220	0.192	11.39
15)	S	2-Fluorobiphenyl	1.776	1.675	1.708	1.765	1.823	1.779	1.762	1.755	2.79
16)		Acenaphthylene	1.890	1.766	1.819	1.839	1.962	1.948	1.963	1.884	4.15
17)		Acenaphthene	1.187	1.162	1.198	1.232	1.300	1.275	1.291	1.235	4.43
18)		Fluorene	1.341	1.270	1.307	1.298	1.419	1.444	1.432	1.359	5.28
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.058	0.066	0.067	0.069	0.076	0.076	0.074	0.069	9.51
21)		4-Bromophenyl-...	0.265	0.269	0.268	0.267	0.290	0.283	0.279	0.274	3.47
22)		Hexachlorobenzene	0.393	0.369	0.356	0.362	0.394	0.373	0.371	0.374	3.93
23)		Atrazine	0.169	0.191	0.176	0.171	0.198	0.190	0.193	0.184	6.36
24)		Pentachlorophenol	0.141	0.101	0.118	0.122	0.143	0.148	0.153	0.132	14.40
25)		Phenanthrene	1.131	1.132	1.142	1.144	1.228	1.193	1.200	1.167	3.36
26)		Anthracene	0.996	0.998	1.008	1.033	1.137	1.132	1.130	1.062	6.34
27)	SURR	Fluoranthene-d10	0.988	0.952	0.978	0.959	1.028	1.010	1.035	0.993	3.28
28)		Fluoranthene	1.268	1.253	1.330	1.312	1.441	1.446	1.475	1.361	6.71
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.606	1.620	1.571	1.612	1.711	1.621	1.627	1.624	2.63
31)	S	Terphenyl-d14	0.814	0.813	0.790	0.777	0.828	0.776	0.781	0.797	2.64
32)		Benzo(a)anthra...	1.379	1.382	1.344	1.407	1.461	1.427	1.466	1.410	3.19
33)		Chrysene	1.484	1.458	1.441	1.451	1.541	1.478	1.471	1.475	2.24
34)		Bis(2-ethylhex...	0.691	0.583	0.582	0.541	0.569	0.519	0.530	0.574	10.05
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN010225.M

36)		Indeno(1,2,3-c...	1.428	1.461	1.414	1.578	1.697	1.712	1.751	1.577	9.15
37)		Benzo(b)fluora...	1.337	1.304	1.294	1.351	1.466	1.420	1.447	1.374	5.06
38)		Benzo(k)fluora...	1.279	1.254	1.251	1.344	1.469	1.442	1.482	1.360	7.55
39)	C	Benzo(a)pyrene	1.099	1.181	1.086	1.163	1.270	1.244	1.284	1.190	6.71
40)		Dibenzo(a,h)an...	1.145	1.152	1.106	1.251	1.363	1.365	1.402	1.255	9.75
41)		Benzo(g,h,i)pe...	1.335	1.316	1.245	1.407	1.490	1.501	1.530	1.403	7.72

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: BNA_N Calibration Date/Time: 01/06/2025 10:05

Lab File ID: BN035889.D Init. Calib. Date(s): 01/02/2025 01/02/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:28 15:04

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.536	0.512		-4.5	20.0
Fluoranthene-d10	0.993	0.943		-5.0	20.0
2-Fluorophenol	0.981	0.943		-3.9	20.0
Phenol-d6	1.219	1.178		-3.4	20.0
Nitrobenzene-d5	0.317	0.336		6.0	20.0
2-Fluorobiphenyl	1.755	1.764		0.5	20.0
2,4,6-Tribromophenol	0.192	0.181		-5.7	20.0
Terphenyl-d14	0.797	0.753		-5.5	20.0
1,4-Dioxane	0.397	0.401		1.0	20.0

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004

Instrument ID: BNA_N Calibration Date/Time: 01/06/2025 13:43

Lab File ID: BN035895.D Init. Calib. Date(s): 01/02/2025 01/02/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:28 15:04

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.536	0.512		-4.5	50.0
Fluoranthene-d10	0.993	0.949		-4.4	50.0
2-Fluorophenol	0.981	0.939		-4.3	50.0
Phenol-d6	1.219	1.130		-7.3	50.0
Nitrobenzene-d5	0.317	0.324		2.2	50.0
2-Fluorobiphenyl	1.755	1.775		1.1	50.0
2,4,6-Tribromophenol	0.192	0.222		15.6	50.0
Terphenyl-d14	0.797	0.761		-4.5	50.0
1,4-Dioxane	0.397	0.388		-2.3	50.0

All other compounds must meet a minimum RRF of 0.010.