

LAB CHRONICLE

OrderID:	Q2251	OrderDate:	6/5/2025 4:31:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2251-01	BP-VPB-182-TB-2025 0603	Water			06/03/25			06/05/25
			VOCMS Group1	8260-Low			06/10/25	
Q2251-02	BP-VPB-182-GW-740- 742	Water			06/03/25			06/05/25
			VOCMS Group1	8260-Low			06/10/25	
Q2251-03	BP-VPB-182-GW-760- 762	Water			06/03/25			06/05/25
			VOCMS Group1	8260-Low			06/10/25	
Q2251-05	BP-VPB-182-EB-2025 0604	Water			06/04/25			06/05/25
			VOCMS Group1	8260-Low			06/10/25	
Q2251-06	VPB182-HYD-202506 05	Water			06/05/25			06/05/25
			VOCMS Group1	8260-Low			06/11/25	
Q2251-07	BP-VPB-182-GW-780- 782	SOIL			06/04/25			06/05/25
			VOCMS Group1	8260D			06/11/25	

Hit Summary Sheet
SW-846

SDG No.: Q2251
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: Q2251-02	BP-VPB-182-GW-740-742 BP-VPB-182-GW-7 Water	Acetone		5.00		1.50	3.80	5.00	ug/L
		Total Voc :		5.00					
		Total Concentration:		5.00					
Client ID: Q2251-03	BP-VPB-182-GW-760-762 BP-VPB-182-GW-7 Water	Acetone		2.20	J	1.50	3.80	5.00	ug/L
		Total Voc :		2.20					
		Total Concentration:		2.20					
Client ID: Q2251-05	BP-VPB-182-EB-20250604 BP-VPB-182-EB-2(Water	Acetone		60.3		1.50	3.80	5.00	ug/L
Q2251-05	BP-VPB-182-EB-2(Water	Methylene Chloride		1.60		0.28	0.50	1.00	ug/L
Q2251-05	BP-VPB-182-EB-2(Water	2-Butanone		9.70		0.98	2.50	5.00	ug/L
		Total Voc :		71.6					
		Total Concentration:		71.6					
Client ID: Q2251-06	VPB182-HYD-20250605 VPB182-HYD-2025 Water	Dibromochloromethane		1.20		0.18	0.50	1.00	ug/L
		Total Voc :		1.20					
		Total Concentration:		1.20					
Client ID: Q2251-07	BP-VPB-182-GW-780-782 BP-VPB-182-GW-7 SOIL	Bromomethane		8.00	J	7.10	26.7	33.3	ug/Kg
Q2251-07	BP-VPB-182-GW-7 SOIL	Acetone		100	J	31.6	130	170	ug/Kg
		Total Voc :		108					
		Total Concentration:		108					



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	06/03/25	
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-TB-20250603			SDG No.:	Q2251	
Lab Sample ID:	Q2251-01			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086932.D	1		06/10/25 16:26	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-TB-20250603		SDG No.:	Q2251	
Lab Sample ID:	Q2251-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086932.D	1		06/10/25 16:26	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.0		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	352000	8.229				
540-36-3	1,4-Difluorobenzene	657000	9.106				
3114-55-4	Chlorobenzene-d5	575000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	274000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-TB-20250603		SDG No.:	Q2251	
Lab Sample ID:	Q2251-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086932.D	1		06/10/25 16:26	VN061025

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-740-742		SDG No.:	Q2251	
Lab Sample ID:	Q2251-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086928.D	1		06/10/25 15:00	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	5.00		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-740-742		SDG No.:	Q2251	
Lab Sample ID:	Q2251-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086928.D	1		06/10/25 15:00	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	345000	8.23				
540-36-3	1,4-Difluorobenzene	642000	9.106				
3114-55-4	Chlorobenzene-d5	564000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	271000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-740-742		SDG No.:	Q2251	
Lab Sample ID:	Q2251-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086928.D	1		06/10/25 15:00	VN061025

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-760-762		SDG No.:	Q2251	
Lab Sample ID:	Q2251-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086929.D	1		06/10/25 15:22	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.20	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-760-762		SDG No.:	Q2251	
Lab Sample ID:	Q2251-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086929.D	1		06/10/25 15:22	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.7		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	338000	8.229				
540-36-3	1,4-Difluorobenzene	630000	9.106				
3114-55-4	Chlorobenzene-d5	558000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	268000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-760-762		SDG No.:	Q2251	
Lab Sample ID:	Q2251-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086929.D	1		06/10/25 15:22	VN061025

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	06/04/25		
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	06/05/25		
Client Sample ID:	BP-VPB-182-EB-20250604			SDG No.:	Q2251		
Lab Sample ID:	Q2251-05			Matrix:	Water		
Analytical Method:	8260D			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	RXI-624	ID :	0.25	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086933.D	1		06/10/25 16:48	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	60.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	1.60		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	9.70		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/04/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-EB-20250604		SDG No.:	Q2251	
Lab Sample ID:	Q2251-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086933.D	1		06/10/25 16:48	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	207000	8.235				
540-36-3	1,4-Difluorobenzene	385000	9.106				
3114-55-4	Chlorobenzene-d5	341000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/04/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-EB-20250604		SDG No.:	Q2251	
Lab Sample ID:	Q2251-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086933.D	1		06/10/25 16:48	VN061025

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/05/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	VPB182-HYD-20250605		SDG No.:	Q2251	
Lab Sample ID:	Q2251-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086946.D	1		06/11/25 14:22	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/05/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	VPB182-HYD-20250605		SDG No.:	Q2251	
Lab Sample ID:	Q2251-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086946.D	1		06/11/25 14:22	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.20		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.9		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	313000	8.23				
540-36-3	1,4-Difluorobenzene	590000	9.106				
3114-55-4	Chlorobenzene-d5	504000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	240000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/05/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	VPB182-HYD-20250605		SDG No.:	Q2251	
Lab Sample ID:	Q2251-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086946.D	1		06/11/25 14:22	VN061125

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/04/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-780-782		SDG No.:	Q2251	
Lab Sample ID:	Q2251-07		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	12.5	
Sample Wt/Vol:	6	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022658.D	1		06/11/25 12:48	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	16.7	U	7.60	16.7	33.3	ug/Kg
75-01-4	Vinyl Chloride	16.7	U	5.30	16.7	33.3	ug/Kg
74-83-9	Bromomethane	8.00	J	7.10	26.7	33.3	ug/Kg
75-00-3	Chloroethane	16.7	U	8.40	16.7	33.3	ug/Kg
75-69-4	Trichlorofluoromethane	26.7	U	8.10	26.7	33.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	16.7	U	7.10	16.7	33.3	ug/Kg
75-35-4	1,1-Dichloroethene	16.7	U	6.70	16.7	33.3	ug/Kg
67-64-1	Acetone	100	J	31.6	130	170	ug/Kg
75-15-0	Carbon Disulfide	26.7	U	7.10	26.7	33.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	16.7	U	4.90	16.7	33.3	ug/Kg
75-09-2	Methylene Chloride	53.3	U	23.5	53.3	66.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	16.7	U	5.70	16.7	33.3	ug/Kg
75-34-3	1,1-Dichloroethane	16.7	U	5.30	16.7	33.3	ug/Kg
78-93-3	2-Butanone	130	U	43.6	130	170	ug/Kg
56-23-5	Carbon Tetrachloride	16.7	U	6.50	16.7	33.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	16.7	U	5.00	16.7	33.3	ug/Kg
67-66-3	Chloroform	26.7	U	5.60	26.7	33.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	16.7	U	6.20	16.7	33.3	ug/Kg
108-87-2	Methylcyclohexane	16.7	U	6.10	16.7	33.3	ug/Kg
71-43-2	Benzene	16.7	U	5.30	16.7	33.3	ug/Kg
107-06-2	1,2-Dichloroethane	16.7	U	5.30	16.7	33.3	ug/Kg
79-01-6	Trichloroethene	16.7	U	5.40	16.7	33.3	ug/Kg
78-87-5	1,2-Dichloropropane	16.7	U	6.10	16.7	33.3	ug/Kg
75-27-4	Bromodichloromethane	16.7	U	5.20	16.7	33.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	83.3	U	23.9	83.3	170	ug/Kg
108-88-3	Toluene	16.7	U	5.20	16.7	33.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	16.7	U	4.30	16.7	33.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	16.7	U	4.10	16.7	33.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	16.7	U	6.10	16.7	33.3	ug/Kg
591-78-6	2-Hexanone	83.3	U	24.6	83.3	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/04/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-780-782		SDG No.:	Q2251	
Lab Sample ID:	Q2251-07		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	12.5	
Sample Wt/Vol:	6	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022658.D	1		06/11/25 12:48	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	16.7	U	5.80	16.7	33.3	ug/Kg
127-18-4	Tetrachloroethene	16.7	U	7.00	16.7	33.3	ug/Kg
108-90-7	Chlorobenzene	16.7	U	6.10	16.7	33.3	ug/Kg
100-41-4	Ethyl Benzene	16.7	U	4.50	16.7	33.3	ug/Kg
179601-23-1	m/p-Xylenes	33.3	U	8.30	33.3	66.7	ug/Kg
95-47-6	o-Xylene	16.7	U	5.50	16.7	33.3	ug/Kg
100-42-5	Styrene	16.7	U	4.70	16.7	33.3	ug/Kg
75-25-2	Bromoform	16.7	U	5.70	16.7	33.3	ug/Kg
98-82-8	Isopropylbenzene	16.7	U	5.20	16.7	33.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	16.7	U	8.10	16.7	33.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	16.7	U	11.4	16.7	33.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	16.7	U	10.4	16.7	33.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	16.7	U	9.70	16.7	33.3	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.7		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.2		79 - 119		82%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	210000	7.707				
540-36-3	1,4-Difluorobenzene	390000	8.616				
3114-55-4	Chlorobenzene-d5	315000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.347				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/04/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-780-782		SDG No.:	Q2251	
Lab Sample ID:	Q2251-07		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	12.5	
Sample Wt/Vol:	6	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022658.D	1		06/11/25 12:48	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	-----	------------	-------------------

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

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



QC SUMMARY

Surrogate Summary

SDG No.: Q2251

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2251-07	BP-VPB-182-GW-780-782	1,2-Dichloroethane-d4	50	54.0	108	71	136
		Dibromofluoromethane	50	51.1	102	78	119
		Toluene-d8	50	49.8	99	85	116
		4-Bromofluorobenzene	50	41.2	82	79	119
VY0611SBL01	VY0611SBL01	1,2-Dichloroethane-d4	50	48.4	97	71	136
		Dibromofluoromethane	50	50.6	101	78	119
		Toluene-d8	50	50.0	100	85	116
		4-Bromofluorobenzene	50	39.6	79	79	119
VY0611SBS01	VY0611SBS01	1,2-Dichloroethane-d4	50	52.1	104	71	136
		Dibromofluoromethane	50	53.3	107	78	119
		Toluene-d8	50	53.9	108	85	116
		4-Bromofluorobenzene	50	51.1	102	79	119
VY0611SBSD01	VY0611SBSD01	1,2-Dichloroethane-d4	50	50.5	101	71	136
		Dibromofluoromethane	50	51.6	103	78	119
		Toluene-d8	50	52.0	104	85	116
		4-Bromofluorobenzene	50	48.8	98	79	119

Surrogate Summary

SDG No.: **Q2251**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2251-01	BP-VPB-182-TB-20250603	1,2-Dichloroethane-d4	50	49.0	98	81	118
		Dibromofluoromethane	50	49.0	98	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	49.3	99	85	114
Q2251-02	BP-VPB-182-GW-740-742	1,2-Dichloroethane-d4	50	48.1	96	81	118
		Dibromofluoromethane	50	48.9	98	80	119
		Toluene-d8	50	51.4	103	89	112
		4-Bromofluorobenzene	50	49.9	100	85	114
Q2251-03	BP-VPB-182-GW-760-762	1,2-Dichloroethane-d4	50	47.6	95	81	118
		Dibromofluoromethane	50	48.9	98	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	50.1	100	85	114
Q2251-05	BP-VPB-182-EB-20250604	1,2-Dichloroethane-d4	50	50.2	100	81	118
		Dibromofluoromethane	50	50.1	100	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	49.7	99	85	114
Q2251-06	VPB182-HYD-20250605	1,2-Dichloroethane-d4	50	47.9	96	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	48.3	97	85	114
VN0610WBL01	VN0610WBL01	1,2-Dichloroethane-d4	50	46.7	93	81	118
		Dibromofluoromethane	50	49.0	98	80	119
		Toluene-d8	50	51.5	103	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
VN0610WBS01	VN0610WBS01	1,2-Dichloroethane-d4	50	45.4	91	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	48.6	97	89	112
		4-Bromofluorobenzene	50	48.3	97	85	114
VN0610WBSD0	VN0610WBSD01	1,2-Dichloroethane-d4	50	47.0	94	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	48.1	96	89	112
		4-Bromofluorobenzene	50	48.6	97	85	114
VN0611WBL01	VN0611WBL01	1,2-Dichloroethane-d4	50	48.3	97	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	49.4	99	85	114
VN0611WBS02	VN0611WBS02	1,2-Dichloroethane-d4	50	47.1	94	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	48.7	97	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2251

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VN086916.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0610WBS01	Chloromethane	20	15.9	ug/L	79			50	139	
	Vinyl chloride	20	18.0	ug/L	90			58	137	
	Bromomethane	20	19.7	ug/L	99			53	141	
	Chloroethane	20	18.4	ug/L	92			60	138	
	Trichlorofluoromethane	20	18.3	ug/L	92			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/L	91			70	136	
	1,1-Dichloroethene	20	18.7	ug/L	94			71	131	
	Acetone	100	80.3	ug/L	80			39	160	
	Carbon disulfide	20	17.1	ug/L	86			64	133	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			71	124	
	Methylene Chloride	20	17.4	ug/L	87			74	124	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	124	
	1,1-Dichloroethane	20	18.2	ug/L	91			77	125	
	2-Butanone	100	84.0	ug/L	84			56	143	
	Carbon Tetrachloride	20	18.8	ug/L	94			72	136	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			78	123	
	Chloroform	20	18.2	ug/L	91			79	124	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			74	131	
	Methylcyclohexane	20	15.9	ug/L	79			72	132	
	Benzene	20	18.5	ug/L	93			79	120	
	1,2-Dichloroethane	20	18.7	ug/L	94			73	128	
	Trichloroethene	20	19.3	ug/L	97			79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	18.8	ug/L	94			79	125	
	4-Methyl-2-Pentanone	100	91.5	ug/L	92			67	130	
	Toluene	20	19.0	ug/L	95			80	121	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			73	127	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			75	124	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			80	119	
	2-Hexanone	100	87.4	ug/L	87			57	139	
	Dibromochloromethane	20	19.5	ug/L	98			74	126	
	Tetrachloroethene	20	17.9	ug/L	90			74	129	
	Chlorobenzene	20	18.9	ug/L	95			82	118	
	Ethyl Benzene	20	18.3	ug/L	92			79	121	
	m/p-Xylenes	40	37.7	ug/L	94			80	121	
	o-Xylene	20	18.9	ug/L	95			78	122	
	Styrene	20	19.0	ug/L	95			78	123	
	Bromoform	20	20.1	ug/L	101			66	130	
	Isopropylbenzene	20	18.1	ug/L	91			72	131	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			71	121	
	1,3-Dichlorobenzene	20	18.8	ug/L	94			80	119	
	1,4-Dichlorobenzene	20	18.7	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	18.8	ug/L	94			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2251

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VN086917.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0610WBSD01	Chloromethane	20	16.1	ug/L	81	3		50	139	20
	Vinyl chloride	20	18.2	ug/L	91	1		58	137	20
	Bromomethane	20	19.2	ug/L	96	3		53	141	20
	Chloroethane	20	18.9	ug/L	95	3		60	138	20
	Trichlorofluoromethane	20	18.7	ug/L	94	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92	1		70	136	20
	1,1-Dichloroethene	20	18.8	ug/L	94	0		71	131	20
	Acetone	100	84.2	ug/L	84	5		39	160	20
	Carbon disulfide	20	17.4	ug/L	87	1		64	133	20
	Methyl tert-butyl Ether	20	19.7	ug/L	99	5		71	124	20
	Methylene Chloride	20	18.6	ug/L	93	7		74	124	20
	trans-1,2-Dichloroethene	20	18.3	ug/L	92	2		75	124	20
	1,1-Dichloroethane	20	18.9	ug/L	95	4		77	125	20
	2-Butanone	100	90.8	ug/L	91	8		56	143	20
	Carbon Tetrachloride	20	19.2	ug/L	96	2		72	136	20
	cis-1,2-Dichloroethene	20	19.2	ug/L	96	2		78	123	20
	Chloroform	20	18.7	ug/L	94	3		79	124	20
	1,1,1-Trichloroethane	20	18.4	ug/L	92	1		74	131	20
	Methylcyclohexane	20	16.3	ug/L	81	3		72	132	20
	Benzene	20	19.0	ug/L	95	2		79	120	20
	1,2-Dichloroethane	20	19.9	ug/L	100	6		73	128	20
	Trichloroethene	20	19.7	ug/L	99	2		79	123	20
	1,2-Dichloropropane	20	19.5	ug/L	98	5		78	122	20
	Bromodichloromethane	20	20.0	ug/L	100	6		79	125	20
	4-Methyl-2-Pentanone	100	98.3	ug/L	98	6		67	130	20
	Toluene	20	19.4	ug/L	97	2		80	121	20
	t-1,3-Dichloropropene	20	20.6	ug/L	103	5		73	127	20
	cis-1,3-Dichloropropene	20	20.3	ug/L	102	5		75	124	20
	1,1,2-Trichloroethane	20	20.2	ug/L	101	3		80	119	20
	2-Hexanone	100	94.9	ug/L	95	9		57	139	20
	Dibromochloromethane	20	20.9	ug/L	104	6		74	126	20
	Tetrachloroethene	20	18.4	ug/L	92	2		74	129	20
	Chlorobenzene	20	19.8	ug/L	99	4		82	118	20
	Ethyl Benzene	20	18.8	ug/L	94	2		79	121	20
	m/p-Xylenes	40	38.0	ug/L	95	1		80	121	20
	o-Xylene	20	19.7	ug/L	99	4		78	122	20
	Styrene	20	19.8	ug/L	99	4		78	123	20
	Bromoform	20	21.0	ug/L	105	4		66	130	20
	Isopropylbenzene	20	18.6	ug/L	93	2		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.9	ug/L	104	7		71	121	20
	1,3-Dichlorobenzene	20	19.5	ug/L	98	4		80	119	20
	1,4-Dichlorobenzene	20	19.3	ug/L	97	3		79	118	20
	1,2-Dichlorobenzene	20	19.8	ug/L	99	5		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2251

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VN086944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0611WBS02	Chloromethane	20	16.1	ug/L	81			50	139	
	Vinyl chloride	20	18.9	ug/L	95			58	137	
	Bromomethane	20	16.6	ug/L	83			53	141	
	Chloroethane	20	19.4	ug/L	97			60	138	
	Trichlorofluoromethane	20	19.2	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70	136	
	1,1-Dichloroethene	20	19.2	ug/L	96			71	131	
	Acetone	100	99.0	ug/L	99			39	160	
	Carbon disulfide	20	17.8	ug/L	89			64	133	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			71	124	
	Methylene Chloride	20	19.0	ug/L	95			74	124	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	124	
	1,1-Dichloroethane	20	19.4	ug/L	97			77	125	
	2-Butanone	100	90.4	ug/L	90			56	143	
	Carbon Tetrachloride	20	19.2	ug/L	96			72	136	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			78	123	
	Chloroform	20	19.5	ug/L	98			79	124	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	19.3	ug/L	97			79	120	
	1,2-Dichloroethane	20	19.5	ug/L	98			73	128	
	Trichloroethene	20	19.9	ug/L	100			79	123	
	1,2-Dichloropropane	20	19.6	ug/L	98			78	122	
	Bromodichloromethane	20	19.6	ug/L	98			79	125	
	4-Methyl-2-Pentanone	100	98.0	ug/L	98			67	130	
	Toluene	20	19.5	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			75	124	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			80	119	
	2-Hexanone	100	89.2	ug/L	89			57	139	
	Dibromochloromethane	20	20.5	ug/L	103			74	126	
	Tetrachloroethene	20	19.2	ug/L	96			74	129	
	Chlorobenzene	20	20.0	ug/L	100			82	118	
	Ethyl Benzene	20	19.6	ug/L	98			79	121	
	m/p-Xylenes	40	39.6	ug/L	99			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	20.1	ug/L	101			78	123	
	Bromoform	20	21.0	ug/L	105			66	130	
	Isopropylbenzene	20	19.3	ug/L	97			72	131	
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105			71	121	
	1,3-Dichlorobenzene	20	20.3	ug/L	102			80	119	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			79	118	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2251

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Datafile : VY022654.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0611SBS01	Chloromethane	20	19.1	ug/Kg	96			50	136	
	Vinyl chloride	20	22.8	ug/Kg	114			56	135	
	Bromomethane	20	22.7	ug/Kg	114			53	143	
	Chloroethane	20	24.3	ug/Kg	121			59	139	
	Trichlorofluoromethane	20	24.2	ug/Kg	121			62	140	
	1,1,2-Trichlorotrifluoroethane	20	22.1	ug/Kg	111			66	136	
	1,1-Dichloroethene	20	21.5	ug/Kg	108			70	131	
	Acetone	100	140	ug/Kg	140			36	164	
	Carbon disulfide	20	20.4	ug/Kg	102			63	132	
	Methyl tert-butyl Ether	20	19.5	ug/Kg	98			73	125	
	Methylene Chloride	20	22.6	ug/Kg	113			70	128	
	trans-1,2-Dichloroethene	20	21.6	ug/Kg	108			74	125	
	1,1-Dichloroethane	20	21.4	ug/Kg	107			76	125	
	2-Butanone	100	120	ug/Kg	120			51	148	
	Carbon Tetrachloride	20	21.2	ug/Kg	106			70	135	
	cis-1,2-Dichloroethene	20	21.5	ug/Kg	108			77	123	
	Chloroform	20	22.3	ug/Kg	112			78	123	
	1,1,1-Trichloroethane	20	22.2	ug/Kg	111			73	130	
	Methylcyclohexane	20	19.9	ug/Kg	100			66	133	
	Benzene	20	21.2	ug/Kg	106			77	121	
	1,2-Dichloroethane	20	21.1	ug/Kg	106			73	128	
	Trichloroethene	20	22.4	ug/Kg	112			77	123	
	1,2-Dichloropropane	20	21.6	ug/Kg	108			76	123	
	Bromodichloromethane	20	21.3	ug/Kg	106			75	127	
	4-Methyl-2-Pentanone	100	93.4	ug/Kg	93			65	135	
	Toluene	20	21.1	ug/Kg	106			77	121	
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101			71	130	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			74	126	
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104			78	121	
	2-Hexanone	100	100	ug/Kg	100			53	145	
	Dibromochloromethane	20	20.3	ug/Kg	102			74	126	
	Tetrachloroethene	20	24.8	ug/Kg	124			73	128	
	Chlorobenzene	20	21.6	ug/Kg	108			79	120	
	Ethyl Benzene	20	20.7	ug/Kg	104			76	122	
	m/p-Xylenes	40	42.1	ug/Kg	105			77	124	
	o-Xylene	20	20.9	ug/Kg	104			77	123	
	Styrene	20	20.2	ug/Kg	101			76	124	
	Bromoform	20	19.2	ug/Kg	96			67	132	
	Isopropylbenzene	20	20.1	ug/Kg	101			68	134	
	1,1,2,2-Tetrachloroethane	20	17.6	ug/Kg	88			70	124	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			77	121	
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102			75	120	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			78	121	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2251

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Datafile : VY022655.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0611SBSD01	Chloromethane	20	18.7	ug/Kg	94	2		50	136	20
	Vinyl chloride	20	23.3	ug/Kg	117	3		56	135	20
	Bromomethane	20	22.5	ug/Kg	113	1		53	143	20
	Chloroethane	20	24.0	ug/Kg	120	1		59	139	20
	Trichlorofluoromethane	20	25.0	ug/Kg	125	3		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	22.3	ug/Kg	112	1		66	136	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	4		70	131	20
	Acetone	100	150	ug/Kg	150	7		36	164	20
	Carbon disulfide	20	20.3	ug/Kg	102	0		63	132	20
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102	4		73	125	20
	Methylene Chloride	20	23.0	ug/Kg	115	2		70	128	20
	trans-1,2-Dichloroethene	20	21.8	ug/Kg	109	1		74	125	20
	1,1-Dichloroethane	20	21.6	ug/Kg	108	1		76	125	20
	2-Butanone	100	120	ug/Kg	120	0		51	148	20
	Carbon Tetrachloride	20	21.4	ug/Kg	107	1		70	135	20
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108	0		77	123	20
	Chloroform	20	22.4	ug/Kg	112	0		78	123	20
	1,1,1-Trichloroethane	20	22.1	ug/Kg	111	0		73	130	20
	Methylcyclohexane	20	20.0	ug/Kg	100	0		66	133	20
	Benzene	20	21.9	ug/Kg	110	4		77	121	20
	1,2-Dichloroethane	20	21.7	ug/Kg	109	3		73	128	20
	Trichloroethene	20	21.8	ug/Kg	109	3		77	123	20
	1,2-Dichloropropane	20	21.7	ug/Kg	109	1		76	123	20
	Bromodichloromethane	20	22.1	ug/Kg	111	5		75	127	20
	4-Methyl-2-Pentanone	100	98.1	ug/Kg	98	5		65	135	20
	Toluene	20	21.5	ug/Kg	108	2		77	121	20
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103	2		71	130	20
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	1		74	126	20
	1,1,2-Trichloroethane	20	21.8	ug/Kg	109	5		78	121	20
	2-Hexanone	100	110	ug/Kg	110	10		53	145	20
	Dibromochloromethane	20	21.4	ug/Kg	107	5		74	126	20
	Tetrachloroethene	20	24.6	ug/Kg	123	1		73	128	20
	Chlorobenzene	20	21.9	ug/Kg	110	2		79	120	20
	Ethyl Benzene	20	20.7	ug/Kg	104	0		76	122	20
	m/p-Xylenes	40	41.8	ug/Kg	104	1		77	124	20
	o-Xylene	20	20.7	ug/Kg	104	0		77	123	20
	Styrene	20	20.8	ug/Kg	104	3		76	124	20
	Bromoform	20	20.3	ug/Kg	102	6		67	132	20
	Isopropylbenzene	20	20.9	ug/Kg	104	3		68	134	20
	1,1,2,2-Tetrachloroethane	20	19.5	ug/Kg	98	11		70	124	20
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106	4		77	121	20
	1,4-Dichlorobenzene	20	21.8	ug/Kg	109	7		75	120	20
	1,2-Dichlorobenzene	20	21.4	ug/Kg	107	5		78	121	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0610WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2251

SAS No.: Q2251 SDG NO.: Q2251

Lab File ID: VN086915.D

Lab Sample ID: VN0610WBL01

Date Analyzed: 06/10/2025

Time Analyzed: 10:09

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0610WBS01	VN0610WBS01	VN086916.D	06/10/2025
VN0610WBSD01	VN0610WBSD01	VN086917.D	06/10/2025
BP-VPB-182-GW-740-742	Q2251-02	VN086928.D	06/10/2025
BP-VPB-182-GW-760-762	Q2251-03	VN086929.D	06/10/2025
BP-VPB-182-TB-20250603	Q2251-01	VN086932.D	06/10/2025
BP-VPB-182-EB-20250604	Q2251-05	VN086933.D	06/10/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0611WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2251

SAS No.: Q2251 SDG NO.: Q2251

Lab File ID: VN086942.D

Lab Sample ID: VN0611WBL01

Date Analyzed: 06/11/2025

Time Analyzed: 12:28

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025
VPB182-HYD-20250605	Q2251-06	VN086946.D	06/11/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0611SBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2251

SAS No.: Q2251 SDG NO.: Q2251

Lab File ID: VY022653.D

Lab Sample ID: VY0611SBL01

Date Analyzed: 06/11/2025

Time Analyzed: 10:30

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0611SBS01	VY0611SBS01	VY022654.D	06/11/2025
VY0611SBSD01	VY0611SBSD01	VY022655.D	06/11/2025
BP-VPB-182-GW-780-782	Q2251-07	VY022658.D	06/11/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VN086861.D BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_N BFB Injection Time: 07:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (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
VSTDIC001	VSTDIC001	VN086862.D	06/06/2025	12:44
VSTDIC005	VSTDIC005	VN086863.D	06/06/2025	13:17
VSTDIC020	VSTDIC020	VN086864.D	06/06/2025	13:40
VSTDIC050	VSTDIC050	VN086865.D	06/06/2025	14:03
VSTDIC100	VSTDIC100	VN086866.D	06/06/2025	14:26
VSTDIC150	VSTDIC150	VN086867.D	06/06/2025	14:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VN086912.D BFB Injection Date: 06/10/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.1
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.3 (7.2) 1
176	95.0 - 101.0% of mass 174	71.3 (97.5) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086913.D	06/10/2025	09:13
VN0610WBL01	VN0610WBL01	VN086915.D	06/10/2025	10:09
VN0610WBS01	VN0610WBS01	VN086916.D	06/10/2025	10:30
VN0610WBSD01	VN0610WBSD01	VN086917.D	06/10/2025	11:04
BP-VPB-182-GW-740-742	Q2251-02	VN086928.D	06/10/2025	15:00
BP-VPB-182-GW-760-762	Q2251-03	VN086929.D	06/10/2025	15:22
BP-VPB-182-TB-20250603	Q2251-01	VN086932.D	06/10/2025	16:26
BP-VPB-182-EB-20250604	Q2251-05	VN086933.D	06/10/2025	16:48
VSTDCCC050EC	VSTDCCC050	VN086938.D	06/10/2025	18:57

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VN086939.D BFB Injection Date: 06/11/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:22
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	46.5
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	71.1
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	68.8 (96.8) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VN086940.D	06/11/2025	11:32
VN0611WBL01	VN0611WBL01	VN086942.D	06/11/2025	12:28
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025	13:27
VPB182-HYD-20250605	Q2251-06	VN086946.D	06/11/2025	14:22
VSTDCCC050EC	VSTDCCC050	VN086965.D	06/11/2025	21:23

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VY022488.D BFB Injection Date: 06/02/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:31
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.6) 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
VSTDIC005	VSTDIC005	VY022491.D	06/02/2025	11:46
VSTDIC010	VSTDIC010	VY022492.D	06/02/2025	12:09
VSTDIC020	VSTDIC020	VY022493.D	06/02/2025	12:32
VSTDIC050	VSTDIC050	VY022494.D	06/02/2025	12:54
VSTDIC100	VSTDIC100	VY022495.D	06/02/2025	13:17
VSTDIC150	VSTDIC150	VY022496.D	06/02/2025	13:39

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VY022651.D BFB Injection Date: 06/11/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:22
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	59.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.7 (7.8) 1
176	95.0 - 101.0% of mass 174	83 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022652.D	06/11/2025	09:59
VY0611SBL01	VY0611SBL01	VY022653.D	06/11/2025	10:30
VY0611SBS01	VY0611SBS01	VY022654.D	06/11/2025	11:01
VY0611SBSD01	VY0611SBSD01	VY022655.D	06/11/2025	11:23
BP-VPB-182-GW-780-782	Q2251-07	VY022658.D	06/11/2025	12:48
VSTDCCC050EC	VSTDCCC050	VY022664.D	06/11/2025	15:07

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VN086913.D Date Analyzed: 06/10/2025
Instrument ID: MSVOA_N Time Analyzed: 09:13
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	239452	8.23	422119	9.11	362285	11.87
UPPER LIMIT	478904	8.73	844238	9.606	724570	12.365
LOWER LIMIT	119726	7.73	211060	8.606	181143	11.365
EPA SAMPLE NO.						
BP-VPB-182-TB-20250603	351776	8.23	656962	9.11	575035	11.87
BP-VPB-182-GW-740-742	345182	8.23	642235	9.11	564142	11.87
BP-VPB-182-GW-760-762	337846	8.23	630375	9.11	558009	11.87
BP-VPB-182-EB-20250604	207035	8.24	385111	9.11	340856	11.87
VN0610WBL01	241251	8.23	440901	9.11	386425	11.87
VN0610WBS01	249843	8.23	443174	9.11	389297	11.87
VN0610WBSD01	231054	8.23	413772	9.11	362257	11.87

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VN086913.D Date Analyzed: 06/10/2025
Instrument ID: MSVOA_N Time Analyzed: 09:13
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	170987	13.788				
UPPER LIMIT	341974	14.288				
LOWER LIMIT	85493.5	13.288				
EPA SAMPLE NO.						
BP-VPB-182-TB-20250603	273719	13.79				
BP-VPB-182-GW-740-742	270892	13.79				
BP-VPB-182-GW-760-762	267650	13.79				
BP-VPB-182-EB-20250604	162809	13.79				
VN0610WBL01	183380	13.79				
VN0610WBS01	189620	13.79				
VN0610WBSD01	176612	13.79				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VN086940.D Date Analyzed: 06/11/2025
Instrument ID: MSVOA_N Time Analyzed: 11:32
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	205098	8.23	357643	9.11	312173	11.87
UPPER LIMIT	410196	8.73	715286	9.606	624346	12.365
LOWER LIMIT	102549	7.73	178822	8.606	156087	11.365
EPA SAMPLE NO.						
VPB182-HYD-20250605	313297	8.23	589692	9.11	504294	11.87
VN0611WBL01	328120	8.23	618651	9.11	543433	11.87
VN0611WBS02	206799	8.24	370524	9.11	321188	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VN086940.D Date Analyzed: 06/11/2025
Instrument ID: MSVOA_N Time Analyzed: 11:32
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	152136	13.788				
UPPER LIMIT	304272	14.288				
LOWER LIMIT	76068	13.288				
EPA SAMPLE NO.						
VPB182-HYD-20250605	239780	13.79				
VN0611WBL01	257257	13.79				
VN0611WBS02	157403	13.79				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VY022652.D Date Analyzed: 06/11/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	157578	7.71	265316	8.62	226799	11.41
UPPER LIMIT	315156	8.207	530632	9.116	453598	11.914
LOWER LIMIT	78789	7.207	132658	8.116	113400	10.914
EPA SAMPLE NO.						
BP-VPB-182-GW-780-782	210051	7.71	390122	8.62	315222	11.41
VY0611SBL01	167932	7.71	308222	8.62	245642	11.41
VY0611SBS01	154377	7.71	263261	8.62	218934	11.41
VY0611SBSD01	154293	7.71	261377	8.62	216375	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251
Lab File ID: VY022652.D Date Analyzed: 06/11/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	106876	13.346				
UPPER LIMIT	213752	13.846				
LOWER LIMIT	53438	12.846				
EPA SAMPLE NO.						
BP-VPB-182-GW-780-782	106070	13.35				
VY0611SBL01	84338	13.35				
VY0611SBS01	105447	13.35				
VY0611SBSD01	102308	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0610WBL01		SDG No.:	Q2251
Lab Sample ID:	VN0610WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086915.D	1		06/10/25 10:09	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0610WBL01		SDG No.:	Q2251
Lab Sample ID:	VN0610WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086915.D	1		06/10/25 10:09	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.7		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	241000	8.23				
540-36-3	1,4-Difluorobenzene	441000	9.106				
3114-55-4	Chlorobenzene-d5	386000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	183000	13.788				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0611WBL01		SDG No.:	Q2251
Lab Sample ID:	VN0611WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0611WBL01		SDG No.:	Q2251
Lab Sample ID:	VN0611WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	328000	8.23				
540-36-3	1,4-Difluorobenzene	619000	9.106				
3114-55-4	Chlorobenzene-d5	543000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.788				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VY0611SBL01		SDG No.:	Q2251
Lab Sample ID:	VY0611SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022653.D	1		06/11/25 10:30	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	4.00	U	1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	2.50	U	1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	4.00	U	1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	4.00	U	1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.73	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.80	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	2.50	U	0.78	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.70	12.5	25.0	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VY0611SBL01		SDG No.:	Q2251
Lab Sample ID:	VY0611SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022653.D	1		06/11/25 10:30	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	2.50	U	0.87	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	5.00	U	1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	2.50	U	0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	2.50	U	0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	2.50	U	0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	1.50	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.4		71 - 136		97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.0		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.6		79 - 119		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	7.707				
540-36-3	1,4-Difluorobenzene	308000	8.616				
3114-55-4	Chlorobenzene-d5	246000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	84300	13.346				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0610WBS01		SDG No.:	Q2251
Lab Sample ID:	VN0610WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086916.D	1		06/10/25 10:30	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	15.9		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.0		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	0.75	1.00	ug/L
67-64-1	Acetone	80.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.4		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.23	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	84.0		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	18.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	15.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.7		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.5		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.0		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	87.4		0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0610WBS01		SDG No.:	Q2251
Lab Sample ID:	VN0610WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086916.D	1		06/10/25 10:30	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	17.9		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.3		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.7		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.9		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.7		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.8		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.4		81 - 118		91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	250000	8.23				
540-36-3	1,4-Difluorobenzene	443000	9.106				
3114-55-4	Chlorobenzene-d5	389000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	190000	13.788				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0611WBS02		SDG No.:	Q2251
Lab Sample ID:	VN0611WBS02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.1		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	16.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	99.0		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	90.4		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	19.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.0		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.5		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	89.2		0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0611WBS02		SDG No.:	Q2251
Lab Sample ID:	VN0611WBS02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.1		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.1		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	207000	8.235				
540-36-3	1,4-Difluorobenzene	371000	9.106				
3114-55-4	Chlorobenzene-d5	321000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.788				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VY0611SBS01		SDG No.:	Q2251
Lab Sample ID:	VY0611SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022654.D	1		06/11/25 11:01	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	19.1		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.8		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	22.7		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	24.3		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	24.2		1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.1		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.5		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	140		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.4		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.5		0.73	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.6		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.6		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.80	2.50	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.2		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.5		0.75	2.50	5.00	ug/Kg
67-66-3	Chloroform	22.3		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.2		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.9		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	21.2		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.1		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	22.4		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.6		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.3		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.4		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.8		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	12.5	25.0	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VY0611SBS01		SDG No.:	Q2251
Lab Sample ID:	VY0611SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022654.D	1		06/11/25 11:01	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	20.3		0.87	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	24.8		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	21.6		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.1		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	20.9		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	20.2		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	19.2		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	17.6		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.4		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		71 - 136		104%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	53.9		85 - 116		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	7.707				
540-36-3	1,4-Difluorobenzene	263000	8.616				
3114-55-4	Chlorobenzene-d5	219000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	105000	13.346				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0610WBSD01		SDG No.:	Q2251
Lab Sample ID:	VN0610WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086917.D	1		06/10/25 11:04	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.1		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.7		0.33	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	18.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	84.2		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.4		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.9		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	90.8		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	18.7		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.3		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.3		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.4		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.6		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	94.9		0.89	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0610WBSD01		SDG No.:	Q2251
Lab Sample ID:	VN0610WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086917.D	1		06/10/25 11:04	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.9		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.8		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.9		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.9		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.1		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	231000	8.23				
540-36-3	1,4-Difluorobenzene	414000	9.106				
3114-55-4	Chlorobenzene-d5	362000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.788				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VY0611SBSD01		SDG No.:	Q2251
Lab Sample ID:	VY0611SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022655.D	1		06/11/25 11:23	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	18.7		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	23.3		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	22.5		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	24.0		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	25.0		1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.3		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	150		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.3		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.73	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.0		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.8		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.80	2.50	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.6		0.75	2.50	5.00	ug/Kg
67-66-3	Chloroform	22.4		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.1		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	21.9		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.7		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	21.8		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.1		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.1		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	21.5		0.78	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	20.6		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.8		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.8		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	12.5	25.0	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VY0611SBSD01		SDG No.:	Q2251
Lab Sample ID:	VY0611SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022655.D	1		06/11/25 11:23	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	21.4		0.87	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	24.6		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	21.9		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.8		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	20.8		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	20.3		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.9		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.3		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.8		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.4		1.50	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		71 - 136		101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	52.0		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	7.707				
540-36-3	1,4-Difluorobenzene	261000	8.616				
3114-55-4	Chlorobenzene-d5	216000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.347				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:								
RRF001 = VN086862.D			RRF005 = VN086863.D			RRF020 = VN086864.D		
RRF050 = VN086865.D			RRF100 = VN086866.D			RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086862.D		RRF005 = VN086863.D		RRF020 = VN086864.D		
		RRF050 = VN086865.D		RRF100 = VN086866.D		RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2251</u>
Instrument ID:	<u>MSVOA_Y</u>	SAS No.:	<u>Q2251</u>
Heated Purge: (Y/N)	<u>Y</u>	SDG No.:	<u>Q2251</u>
GC Column:	<u>RXI-624</u>	Calibration Date(s):	<u>06/02/2025</u>
ID:	<u>0.25</u> (mm)	Calibration Time(s):	<u>11:46</u>
			<u>13:39</u>

LAB FILE ID:	RRF005 = VY022491.D	RRF010 = VY022492.D	RRF020 = VY022493.D	RRF050 = VY022494.D	RRF100 = VY022495.D	RRF150 = VY022496.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.9
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2251</u>
Instrument ID:	<u>MSVOA_Y</u>	SAS No.:	<u>Q2251</u>
Heated Purge: (Y/N)	<u>Y</u>	SDG No.:	<u>Q2251</u>
GC Column:	<u>RXI-624</u>	Calibration Date(s):	<u>06/02/2025</u>
ID:	<u>0.25 (mm)</u>	Calibration Time(s):	<u>11:46</u>
			<u>13:39</u>

LAB FILE ID:		RRF005 = VY022491.D		RRF010 = VY022492.D		RRF020 = VY022493.D		
		RRF050 = VY022494.D		RRF100 = VY022495.D		RRF150 = VY022496.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date/Time: 06/10/2025 09:13

Lab File ID: VN086913.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.644	0.552	0.1	-14.29	20
Vinyl Chloride	0.664	0.653		-1.66	20
Bromomethane	0.372	0.358		-3.76	20
Chloroethane	0.429	0.421		-1.87	20
Trichlorofluoromethane	0.868	0.848		-2.3	20
1,1,2-Trichlorotrifluoroethane	0.545	0.530		-2.75	20
1,1-Dichloroethene	0.557	0.548		-1.62	20
Acetone	0.355	0.348		-1.97	20
Carbon Disulfide	1.539	1.428		-7.21	20
Methyl tert-butyl Ether	2.015	1.999		-0.79	20
Methylene Chloride	0.665	0.617		-7.22	20
trans-1,2-Dichloroethene	0.619	0.587		-5.17	20
1,1-Dichloroethane	1.120	1.079	0.1	-3.66	20
2-Butanone	0.577	0.493		-14.56	20
Carbon Tetrachloride	0.433	0.429		-0.92	20
cis-1,2-Dichloroethene	0.740	0.721		-2.57	20
Chloroform	1.118	1.053		-5.81	20
1,1,1-Trichloroethane	0.951	0.894		-5.99	20
Methylcyclohexane	0.605	0.523		-13.55	20
Benzene	1.444	1.400		-3.05	20
1,2-Dichloroethane	0.438	0.426		-2.74	20
Trichloroethene	0.342	0.345		0.88	20
1,2-Dichloropropane	0.351	0.344		-1.99	20
Bromodichloromethane	0.480	0.479		-0.21	20
4-Methyl-2-Pentanone	0.543	0.513		-5.53	20
Toluene	0.882	0.871		-1.25	20
t-1,3-Dichloropropene	0.537	0.556		3.54	20
cis-1,3-Dichloropropene	0.574	0.592		3.14	20
1,1,2-Trichloroethane	0.340	0.338		-0.59	20
2-Hexanone	0.350	0.339		-3.14	20
Dibromochloromethane	0.354	0.363		2.54	20
Tetrachloroethene	0.316	0.308		-2.53	20
Chlorobenzene	1.103	1.117	0.3	1.27	20
Ethyl Benzene	1.900	1.844		-2.95	20
m/p-Xylenes	0.727	0.727		0	20
o-Xylene	0.696	0.714		2.59	20
Styrene	1.192	1.232		3.36	20
Bromoform	0.263	0.287	0.1	9.13	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date/Time: 06/10/2025 09:13

Lab File ID: VN086913.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.643	3.637		-0.19	20
1,1,2,2-Tetrachloroethane	1.234	1.268	0.3	2.76	20
1,3-Dichlorobenzene	1.644	1.678		2.07	20
1,4-Dichlorobenzene	1.676	1.702		1.55	20
1,2-Dichlorobenzene	1.579	1.605		1.65	20
1,2-Dichloroethane-d4	0.669	0.613		-8.37	20
Dibromofluoromethane	0.296	0.301		1.69	20
Toluene-d8	1.173	1.153		-1.71	20
4-Bromofluorobenzene	0.436	0.420		-3.67	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date/Time: 06/10/2025 18:57

Lab File ID: VN086938.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.644	0.572	0.1	-11.18	50
Vinyl Chloride	0.664	0.687		3.46	50
Bromomethane	0.372	0.261		-29.84	50
Chloroethane	0.429	0.442		3.03	50
Trichlorofluoromethane	0.868	0.890		2.54	50
1,1,2-Trichlorotrifluoroethane	0.545	0.555		1.84	50
1,1-Dichloroethene	0.557	0.589		5.74	50
Acetone	0.355	0.292		-17.75	50
Carbon Disulfide	1.539	1.746		13.45	50
Methyl tert-butyl Ether	2.015	1.956		-2.93	50
Methylene Chloride	0.665	0.648		-2.56	50
trans-1,2-Dichloroethene	0.619	0.623		0.65	50
1,1-Dichloroethane	1.120	1.095	0.1	-2.23	50
2-Butanone	0.577	0.496		-14.04	50
Carbon Tetrachloride	0.433	0.448		3.46	50
cis-1,2-Dichloroethene	0.740	0.750		1.35	50
Chloroform	1.118	1.074		-3.94	50
1,1,1-Trichloroethane	0.951	0.926		-2.63	50
Methylcyclohexane	0.605	0.588		-2.81	50
Benzene	1.444	1.488		3.05	50
1,2-Dichloroethane	0.438	0.436		-0.46	50
Trichloroethene	0.342	0.379		10.82	50
1,2-Dichloropropane	0.351	0.351		0	50
Bromodichloromethane	0.480	0.483		0.63	50
4-Methyl-2-Pentanone	0.543	0.513		-5.53	50
Toluene	0.882	0.931		5.56	50
t-1,3-Dichloropropene	0.537	0.560		4.28	50
cis-1,3-Dichloropropene	0.574	0.596		3.83	50
1,1,2-Trichloroethane	0.340	0.346		1.76	50
2-Hexanone	0.350	0.336		-4	50
Dibromochloromethane	0.354	0.378		6.78	50
Tetrachloroethene	0.316	0.341		7.91	50
Chlorobenzene	1.103	1.175	0.3	6.53	50
Ethyl Benzene	1.900	1.991		4.79	50
m/p-Xylenes	0.727	0.777		6.88	50
o-Xylene	0.696	0.747		7.33	50
Styrene	1.192	1.274		6.88	50
Bromoform	0.263	0.292	0.1	11.03	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date/Time: 06/10/2025 18:57

Lab File ID: VN086938.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.643	3.690		1.29	50
1,1,2,2-Tetrachloroethane	1.234	1.252	0.3	1.46	50
1,3-Dichlorobenzene	1.644	1.714		4.26	50
1,4-Dichlorobenzene	1.676	1.755		4.71	50
1,2-Dichlorobenzene	1.579	1.624		2.85	50
1,2-Dichloroethane-d4	0.669	0.555		-17.04	50
Dibromofluoromethane	0.296	0.282		-4.73	50
Toluene-d8	1.173	1.082		-7.76	50
4-Bromofluorobenzene	0.436	0.408		-6.42	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.644	0.555	0.1	-13.82	20
Vinyl Chloride	0.664	0.701		5.57	20
Bromomethane	0.372	0.312		-16.13	20
Chloroethane	0.429	0.457		6.53	20
Trichlorofluoromethane	0.868	0.930		7.14	20
1,1,2-Trichlorotrifluoroethane	0.545	0.582		6.79	20
1,1-Dichloroethene	0.557	0.593		6.46	20
Acetone	0.355	0.384		8.17	20
Carbon Disulfide	1.539	1.505		-2.21	20
Methyl tert-butyl Ether	2.015	2.172		7.79	20
Methylene Chloride	0.665	0.673		1.2	20
trans-1,2-Dichloroethene	0.619	0.633		2.26	20
1,1-Dichloroethane	1.120	1.178	0.1	5.18	20
2-Butanone	0.577	0.568		-1.56	20
Carbon Tetrachloride	0.433	0.472		9.01	20
cis-1,2-Dichloroethene	0.740	0.793		7.16	20
Chloroform	1.118	1.176		5.19	20
1,1,1-Trichloroethane	0.951	0.976		2.63	20
Methylcyclohexane	0.605	0.576		-4.79	20
Benzene	1.444	1.554		7.55	20
1,2-Dichloroethane	0.438	0.472		7.76	20
Trichloroethene	0.342	0.382		11.7	20
1,2-Dichloropropane	0.351	0.384		9.4	20
Bromodichloromethane	0.480	0.532		10.83	20
4-Methyl-2-Pentanone	0.543	0.590		8.66	20
Toluene	0.882	0.978		10.88	20
t-1,3-Dichloropropene	0.537	0.609		13.41	20
cis-1,3-Dichloropropene	0.574	0.661		15.16	20
1,1,2-Trichloroethane	0.340	0.383		12.65	20
2-Hexanone	0.350	0.395		12.86	20
Dibromochloromethane	0.354	0.414		16.95	20
Tetrachloroethene	0.316	0.337		6.65	20
Chlorobenzene	1.103	1.222	0.3	10.79	20
Ethyl Benzene	1.900	2.059		8.37	20
m/p-Xylenes	0.727	0.802		10.32	20
o-Xylene	0.696	0.782		12.36	20
Styrene	1.192	1.358		13.93	20
Bromoform	0.263	0.319	0.1	21.29	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.643	3.898		7	20
1,1,2,2-Tetrachloroethane	1.234	1.402	0.3	13.61	20
1,3-Dichlorobenzene	1.644	1.843		12.1	20
1,4-Dichlorobenzene	1.676	1.887		12.59	20
1,2-Dichlorobenzene	1.579	1.761		11.53	20
1,2-Dichloroethane-d4	0.669	0.622		-7.03	20
Dibromofluoromethane	0.296	0.309		4.39	20
Toluene-d8	1.173	1.181		0.68	20
4-Bromofluorobenzene	0.436	0.440		0.92	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 21:23

Lab File ID: VN086965.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.644	0.581	0.1	-9.78	50
Vinyl Chloride	0.664	0.712		7.23	50
Bromomethane	0.372	0.246		-33.87	50
Chloroethane	0.429	0.477		11.19	50
Trichlorofluoromethane	0.868	0.969		11.64	50
1,1,2-Trichlorotrifluoroethane	0.545	0.587		7.71	50
1,1-Dichloroethene	0.557	0.599		7.54	50
Acetone	0.355	0.373		5.07	50
Carbon Disulfide	1.539	1.513		-1.75	50
Methyl tert-butyl Ether	2.015	2.289		13.6	50
Methylene Chloride	0.665	0.707		6.32	50
trans-1,2-Dichloroethene	0.619	0.653		5.49	50
1,1-Dichloroethane	1.120	1.255	0.1	12.05	50
2-Butanone	0.577	0.628		8.84	50
Carbon Tetrachloride	0.433	0.462		6.7	50
cis-1,2-Dichloroethene	0.740	0.824		11.35	50
Chloroform	1.118	1.234		10.38	50
1,1,1-Trichloroethane	0.951	1.024		7.68	50
Methylcyclohexane	0.605	0.540		-10.74	50
Benzene	1.444	1.551		7.41	50
1,2-Dichloroethane	0.438	0.472		7.76	50
Trichloroethene	0.342	0.366		7.02	50
1,2-Dichloropropane	0.351	0.381		8.55	50
Bromodichloromethane	0.480	0.537		11.88	50
4-Methyl-2-Pentanone	0.543	0.610		12.34	50
Toluene	0.882	0.953		8.05	50
t-1,3-Dichloropropene	0.537	0.588		9.5	50
cis-1,3-Dichloropropene	0.574	0.623		8.54	50
1,1,2-Trichloroethane	0.340	0.379		11.47	50
2-Hexanone	0.350	0.405		15.71	50
Dibromochloromethane	0.354	0.407		14.97	50
Tetrachloroethene	0.316	0.320		1.27	50
Chlorobenzene	1.103	1.173	0.3	6.35	50
Ethyl Benzene	1.900	2.012		5.89	50
m/p-Xylenes	0.727	0.775		6.6	50
o-Xylene	0.696	0.766		10.06	50
Styrene	1.192	1.318		10.57	50
Bromoform	0.263	0.313	0.1	19.01	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 21:23

Lab File ID: VN086965.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.643	3.761		3.24	50
1,1,2,2-Tetrachloroethane	1.234	1.414	0.3	14.59	50
1,3-Dichlorobenzene	1.644	1.784		8.52	50
1,4-Dichlorobenzene	1.676	1.781		6.26	50
1,2-Dichlorobenzene	1.579	1.721		8.99	50
1,2-Dichloroethane-d4	0.669	0.697		4.18	50
Dibromofluoromethane	0.296	0.314		6.08	50
Toluene-d8	1.173	1.171		-0.17	50
4-Bromofluorobenzene	0.436	0.449		2.98	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 09:59

Lab File ID: VY022652.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	1.322	1.372	0.1	3.78	20
Vinyl Chloride	1.534	1.715		11.8	20
Bromomethane	1.470	1.318		-10.34	20
Chloroethane	1.053	1.122		6.55	20
Trichlorofluoromethane	1.302	1.417		8.83	20
1,1,2-Trichlorotrifluoroethane	0.549	0.546		-0.55	20
1,1-Dichloroethene	0.524	0.510		-2.67	20
Acetone	0.114	0.097		-14.91	20
Carbon Disulfide	1.679	1.592		-5.18	20
Methyl tert-butyl Ether	1.477	1.440		-2.51	20
Methylene Chloride	0.645	0.603		-6.51	20
trans-1,2-Dichloroethene	0.587	0.581		-1.02	20
1,1-Dichloroethane	1.079	1.099	0.1	1.85	20
2-Butanone	0.164	0.155		-5.49	20
Carbon Tetrachloride	0.497	0.510		2.62	20
cis-1,2-Dichloroethene	0.678	0.683		0.74	20
Chloroform	1.069	1.111		3.93	20
1,1,1-Trichloroethane	0.949	0.973		2.53	20
Methylcyclohexane	0.651	0.620		-4.76	20
Benzene	1.431	1.466		2.45	20
1,2-Dichloroethane	0.391	0.400		2.3	20
Trichloroethene	0.350	0.369		5.43	20
1,2-Dichloropropane	0.338	0.348		2.96	20
Bromodichloromethane	0.482	0.509		5.6	20
4-Methyl-2-Pentanone	0.233	0.231		-0.86	20
Toluene	0.899	0.932		3.67	20
t-1,3-Dichloropropene	0.452	0.468		3.54	20
cis-1,3-Dichloropropene	0.526	0.538		2.28	20
1,1,2-Trichloroethane	0.243	0.246		1.24	20
2-Hexanone	0.156	0.151		-3.2	20
Dibromochloromethane	0.308	0.320		3.9	20
Tetrachloroethene	0.430	0.499		16.05	20
Chlorobenzene	1.106	1.154	0.3	4.34	20
Ethyl Benzene	2.052	2.116		3.12	20
m/p-Xylenes	0.778	0.799		2.7	20
o-Xylene	0.729	0.761		4.39	20
Styrene	1.206	1.258		4.31	20
Bromoform	0.198	0.200	0.1	1.01	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 09:59

Lab File ID: VY022652.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.105	4.205		2.41	20
1,1,2,2-Tetrachloroethane	0.674	0.637	0.3	-5.49	20
1,3-Dichlorobenzene	1.755	1.803		2.73	20
1,4-Dichlorobenzene	1.702	1.701		-0.06	20
1,2-Dichlorobenzene	1.490	1.547		3.83	20
1,2-Dichloroethane-d4	0.559	0.596		6.62	20
Dibromofluoromethane	0.298	0.327		9.73	20
Toluene-d8	1.206	1.324		9.78	20
4-Bromofluorobenzene	0.359	0.388		8.08	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 15:07

Lab File ID: VY022664.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	1.322	1.072	0.1	-18.91	50
Vinyl Chloride	1.534	1.698		10.69	50
Bromomethane	1.470	1.259		-14.35	50
Chloroethane	1.053	1.192		13.2	50
Trichlorofluoromethane	1.302	1.495		14.82	50
1,1,2-Trichlorotrifluoroethane	0.549	0.521		-5.1	50
1,1-Dichloroethene	0.524	0.523		-0.19	50
Acetone	0.114	0.101		-11.4	50
Carbon Disulfide	1.679	1.519		-9.53	50
Methyl tert-butyl Ether	1.477	1.369		-7.31	50
Methylene Chloride	0.645	0.580		-10.08	50
trans-1,2-Dichloroethene	0.587	0.570		-2.9	50
1,1-Dichloroethane	1.079	1.064	0.1	-1.39	50
2-Butanone	0.164	0.143		-12.81	50
Carbon Tetrachloride	0.497	0.501		0.81	50
cis-1,2-Dichloroethene	0.678	0.684		0.88	50
Chloroform	1.069	1.074		0.47	50
1,1,1-Trichloroethane	0.949	0.953		0.42	50
Methylcyclohexane	0.651	0.611		-6.14	50
Benzene	1.431	1.469		2.65	50
1,2-Dichloroethane	0.391	0.360		-7.93	50
Trichloroethene	0.350	0.382		9.14	50
1,2-Dichloropropane	0.338	0.339		0.3	50
Bromodichloromethane	0.482	0.475		-1.45	50
4-Methyl-2-Pentanone	0.233	0.208		-10.73	50
Toluene	0.899	0.917		2	50
t-1,3-Dichloropropene	0.452	0.431		-4.65	50
cis-1,3-Dichloropropene	0.526	0.522		-0.76	50
1,1,2-Trichloroethane	0.243	0.231		-4.94	50
2-Hexanone	0.156	0.140		-10.26	50
Dibromochloromethane	0.308	0.297		-3.57	50
Tetrachloroethene	0.430	0.550		27.91	50
Chlorobenzene	1.106	1.150	0.3	3.98	50
Ethyl Benzene	2.052	2.110		2.83	50
m/p-Xylenes	0.778	0.813		4.5	50
o-Xylene	0.729	0.772		5.9	50
Styrene	1.206	1.264		4.81	50
Bromoform	0.198	0.192	0.1	-3.03	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: MSVOA_Y Calibration Date/Time: 06/11/2025 15:07

Lab File ID: VY022664.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.105	4.122		0.41	50
1,1,2,2-Tetrachloroethane	0.674	0.518	0.3	-23.15	50
1,3-Dichlorobenzene	1.755	1.775		1.14	50
1,4-Dichlorobenzene	1.702	1.670		-1.88	50
1,2-Dichlorobenzene	1.490	1.477		-0.87	50
1,2-Dichloroethane-d4	0.559	0.505		-9.66	50
Dibromofluoromethane	0.298	0.296		-0.67	50
Toluene-d8	1.206	1.224		1.49	50
4-Bromofluorobenzene	0.359	0.360		0.28	50

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

LAB CHRONICLE

OrderID:	Q2251	OrderDate:	6/5/2025 4:31:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2251-03	BP-VPB-182-GW-760-762	Water			06/03/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/09/25	
Q2251-05	BP-VPB-182-EB-20250604	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/09/25	
Q2251-06	VPB182-HYD-20250605	Water			06/05/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/09/25	



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

Hit Summary Sheet SW-846

SDG No.: Q2251
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : BP-VPB-182-EB-20250604								
Q2251-05	BP-VPB-182-EB-202506	WATER 1,4-Dioxane	2.500		0.08	0.23	0.23	ug/L
Total Svoc :				2.50				
Total Concentration:				2.50				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	BP-VPB-182-GW-760-762	SDG No.:	Q2251
Lab Sample ID:	Q2251-03	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
BN037194.D	1	06/06/25 11:54	06/09/25 16:26	PB168336

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	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		94%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.64	*	58 - 132		161%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2000	7.589				
1146-65-2	Naphthalene-d8	5090	10.372				
15067-26-2	Acenaphthene-d10	2680	14.235				
1517-22-2	Phenanthrene-d10	4800	16.984				
1719-03-5	Chrysene-d12	3020	21.189				
1520-96-3	Perylene-d12	2810	23.38				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/04/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	BP-VPB-182-EB-20250604	SDG No.:	Q2251
Lab Sample ID:	Q2251-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037195.D	1	06/06/25 11:54	06/09/25 17:02	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.50		0.080	0.23	0.23	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		109%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2000	7.59				
1146-65-2	Naphthalene-d8	5200	10.362				
15067-26-2	Acenaphthene-d10	2690	14.235				
1517-22-2	Phenanthrene-d10	4840	16.984				
1719-03-5	Chrysene-d12	3060	21.189				
1520-96-3	Perylene-d12	1310	23.38				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	VPB182-HYD-20250605	SDG No.:	Q2251
Lab Sample ID:	Q2251-06	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037196.D	1	06/06/25 11:54	06/09/25 17:39	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.22	U	0.070	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.011	*	30 - 150		3%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		74%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		100%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1770	7.589				
1146-65-2	Naphthalene-d8	4440	10.372				
15067-26-2	Acenaphthene-d10	2270	14.235				
1517-22-2	Phenanthrene-d10	3800	16.984				
1719-03-5	Chrysene-d12	2630	21.189				
1520-96-3	Perylene-d12	2440	23.377				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: **Q2251**

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

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168336BL	PB168336BL	2-Methylnaphthalene-d10	0.4	0.36	91		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.40	101		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
PB168336BS	PB168336BS	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.30	76		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.38	95		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
Q2250-02MS	MW-11A-13.5-060525MS	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.34	86		53	106
		Terphenyl-d14	0.4	0.47	118		58	132
Q2250-03MSD	MW-11A-13.5-060525MSD	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.32	79		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q2251-03	BP-VPB-182-GW-760-762	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.38	94		55	111
		2-Fluorobiphenyl	0.4	0.42	105		53	106
		Terphenyl-d14	0.4	0.64	161	*	58	132
Q2251-05	BP-VPB-182-EB-20250604	2-Methylnaphthalene-d10	0.4	0.31	76		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.31	78		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
		Terphenyl-d14	0.4	0.44	109		58	132
Q2251-06	VPB182-HYD-20250605	2-Methylnaphthalene-d10	0.4	0.011	3	*	30	150
		Fluoranthene-d10	0.4	0.30	74		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.40	100		53	106
		Terphenyl-d14	0.4	0.45	112		58	132

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q2251
Client: Tetra Tech NUS, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2250-02MS	Client Sample ID:	MW-11A-13.5-060525MS					DataFile:	BN037192.D		
1,4-Dioxane	0.42	2.50	3.20	ug/L	167	*			70	130	



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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q2251
Client: Tetra Tech NUS, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2250-03MSD		Client Sample ID: MW-11A-13.5-060525MSD						DataFile: BN037193.D			
1,4-Dioxane	0.4	2.50	3.30	ug/L	200	*	18		70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2251

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified DataFile: BN037201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168336BS	1,4-Dioxane	0.4	0.40	ug/L	100				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168336BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2251

SAS No.: Q2251 SDG NO.: Q2251

Lab File ID: BN037190.D

Lab Sample ID: PB168336BL

Instrument ID: BNA_N

Date Extracted: 06/06/2025

Matrix: (soil/water) Water

Date Analyzed: 06/09/2025

Level: (low/med) LOW

Time Analyzed: 11:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168336BS	PB168336BS	BN037201.D	06/09/2025
MW-11A-13.5-060525MS	Q2250-02MS	BN037192.D	06/09/2025
MW-11A-13.5-060525MSD	Q2250-03MSD	BN037193.D	06/09/2025
BP-VPB-182-GW-760-762	Q2251-03	BN037194.D	06/09/2025
BP-VPB-182-EB-20250604	Q2251-05	BN037195.D	06/09/2025
VPB182-HYD-20250605	Q2251-06	BN037196.D	06/09/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2251 SDG NO.: Q2251

Lab File ID: BN037142.D

DFTPP Injection Date: 06/03/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	58.7
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	53.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.1 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037143.D	06/03/2025	11:39
SSTDICC0.2	SSTDICC0.2	BN037144.D	06/03/2025	12:15
SSTDICCC0.4	SSTDICCC0.4	BN037145.D	06/03/2025	12:51
SSTDICC0.8	SSTDICC0.8	BN037146.D	06/03/2025	13:26
SSTDICC1.6	SSTDICC1.6	BN037147.D	06/03/2025	14:02
SSTDICC3.2	SSTDICC3.2	BN037148.D	06/03/2025	14:38
SSTDICC5.0	SSTDICC5.0	BN037149.D	06/03/2025	15:14

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2251

SDG NO.: Q2251

Lab File ID: BN037188.D

DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	74
68	Less than 2.0% of mass 69	0.4 (0.7) 1
69	Mass 69 relative abundance	59.6
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	53
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.1
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	8.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.5 (18.5) 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	BN037189.D	06/09/2025	10:54
PB168336BL	PB168336BL	BN037190.D	06/09/2025	11:30
MW-11A-13.5-060525MS	Q2250-02MS	BN037192.D	06/09/2025	14:33
MW-11A-13.5-060525MSD	Q2250-03MSD	BN037193.D	06/09/2025	15:47
BP-VPB-182-GW-760-762	Q2251-03	BN037194.D	06/09/2025	16:26
BP-VPB-182-EB-20250604	Q2251-05	BN037195.D	06/09/2025	17:02
VPB182-HYD-20250605	Q2251-06	BN037196.D	06/09/2025	17:39
PB168336BS	PB168336BS	BN037201.D	06/09/2025	20:40
SSTDCCC0.4EC	SSTDCCC0.4	BN037202.D	06/09/2025	21:16

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

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	2093	7.589	5342	10.36	2894	14.24
UPPER LIMIT	4186	8.089	10684	10.862	5788	14.735
LOWER LIMIT	1046.5	7.089	2671	9.862	1447	13.735
EPA SAMPLE NO.						
01 PB168336BL	1816	7.59	4227	10.37	2101	14.25
02 MW-11A-13.5-060525MS	2144	7.59	5670	10.36	2991	14.23
03 MW-11A-13.5-060525MSD	2169	7.59	5646	10.36	2926	14.24
04 BP-VPB-182-GW-760-762	1999	7.59	5087	10.37	2679	14.24
05 BP-VPB-182-EB-20250604	1997	7.59	5202	10.36	2686	14.24
06 VPB182-HYD-20250605	1771	7.59	4440	10.37	2270	14.24
07 PB168336BS	2227	7.59	5466	10.36	2607	14.23

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG NO.: Q2251

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

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	5308	16.984	3516	21.18	3185	23.377
UPPER LIMIT	10616	17.484	7032	21.68	6370	23.877
LOWER LIMIT	2654	16.484	1758	20.68	1592.5	22.877
EPA SAMPLE NO.						
01 PB168336BL	3500	17.00	2446	21.19	2291	23.39
02 MW-11A-13.5-060525MS	5389	16.98	3448	21.19	3177	23.38
03 MW-11A-13.5-060525MSD	5139	16.98	3419	21.18	3336	23.37
04 BP-VPB-182-GW-760-762	4804	16.98	3021	21.19	2805	23.38
05 BP-VPB-182-EB-20250604	4836	16.98	3055	21.19	1312 *	23.38
06 VPB182-HYD-20250605	3800	16.98	2625	21.19	2435	23.38
07 PB168336BS	4253	16.98	2468	21.19	2373	23.38

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168336BL		SDG No.:	Q2251
Lab Sample ID:	PB168336BL		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
BN037190.D	1	06/06/25 11:54	06/09/25 11:30	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		101%	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	1820	7.589				
1146-65-2	Naphthalene-d8	4230	10.372				
15067-26-2	Acenaphthene-d10	2100	14.245				
1517-22-2	Phenanthrene-d10	3500	16.996				
1719-03-5	Chrysene-d12	2450	21.189				
1520-96-3	Perylene-d12	2290	23.386				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168336BS		SDG No.:	Q2251
Lab Sample ID:	PB168336BS		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
BN037201.D	1	06/06/25 11:54	06/09/25 20:40	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2230	7.589				
1146-65-2	Naphthalene-d8	5470	10.361				
15067-26-2	Acenaphthene-d10	2610	14.234				
1517-22-2	Phenanthrene-d10	4250	16.984				
1719-03-5	Chrysene-d12	2470	21.188				
1520-96-3	Perylene-d12	2370	23.377				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MS	SDG No.:	Q2251
Lab Sample ID:	Q2250-02MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 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
BN037192.D	1	06/06/25 11:54	06/09/25 14:33	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.20		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2140	7.589				
1146-65-2	Naphthalene-d8	5670	10.361				
15067-26-2	Acenaphthene-d10	2990	14.234				
1517-22-2	Phenanthrene-d10	5390	16.984				
1719-03-5	Chrysene-d12	3450	21.188				
1520-96-3	Perylene-d12	3180	23.38				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MSD	SDG No.:	Q2251
Lab Sample ID:	Q2250-03MSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 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
BN037193.D	1	06/06/25 11:54	06/09/25 15:47	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.30		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2170	7.59				
1146-65-2	Naphthalene-d8	5650	10.362				
15067-26-2	Acenaphthene-d10	2930	14.235				
1517-22-2	Phenanthrene-d10	5140	16.984				
1719-03-5	Chrysene-d12	3420	21.18				
1520-96-3	Perylene-d12	3340	23.374				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN060325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 04 01:52:03 2025
 Response Via : Initial Calibration

Calibration Files

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

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

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

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

Method File : 8270-SIM-BN060325.M

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

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: BNA_N Calibration Date/Time: 06/09/2025 10:54

Lab File ID: BN037189.D Init. Calib. Date(s): 06/03/2025 06/03/2025

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.558		0.2	20.0
Fluoranthene-d10	1.016	0.960		-5.5	20.0
2-Fluorophenol	0.989	0.924		-6.6	20.0
Phenol-d6	1.199	1.124		-6.3	20.0
Nitrobenzene-d5	0.422	0.422		0.0	20.0
2-Fluorobiphenyl	1.705	1.691		-0.8	20.0
2,4,6-Tribromophenol	0.161	0.142		-11.8	20.0
Terphenyl-d14	0.942	0.909		-3.5	20.0
1,4-Dioxane	0.533	0.519		-2.6	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2251 SAS No.: Q2251 SDG No.: Q2251

Instrument ID: BNA_N Calibration Date/Time: 06/09/2025 21:16

Lab File ID: BN037202.D Init. Calib. Date(s): 06/03/2025 06/03/2025

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.557		0.0	50.0
Fluoranthene-d10	1.016	0.913		-10.1	50.0
2-Fluorophenol	0.989	0.956		-3.3	50.0
Phenol-d6	1.199	1.158		-3.4	50.0
Nitrobenzene-d5	0.422	0.434		2.8	50.0
2-Fluorobiphenyl	1.705	1.635		-4.1	50.0
2,4,6-Tribromophenol	0.161	0.144		-10.6	50.0
Terphenyl-d14	0.942	0.923		-2.0	50.0
1,4-Dioxane	0.533	0.496		-6.9	50.0

All other compounds must meet a minimum RRF of 0.010.