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

LAB CHRONICLE

OrderID:	Q2886	**OrderDate:**	8/15/2025 11:08:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	J13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2886-01	**BP-TT182D-TB-20250814**	**Water**			**08/14/25**			**08/15/25**
			VOC-TCLVOA-10	8260-Low			08/15/25	
Q2886-02	**BP-TT182D-GW-20250814**	**Water**			**08/14/25**			**08/15/25**
			VOC-TCLVOA-10	8260-Low			08/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2886

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-TT182D-TB-20250814**								
Q2886-01	BP-TT182D-TB-20	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.80					
			Total Concentration:	1.80					

SAMPLE DATA

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

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	BP-TT182D-TB-20250814	SDG No.:	Q2886
Lab Sample ID:	Q2886-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047366.D	1	08/15/25 16:36	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	BP-TT182D-TB-20250814	SDG No.:	Q2886
Lab Sample ID:	Q2886-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047366.D	1	08/15/25 16:36	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.2		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	323000	5.568				
540-36-3	1,4-Difluorobenzene	633000	6.769				
3114-55-4	Chlorobenzene-d5	621000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	310000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	BP-TT182D-TB-20250814	SDG No.:	Q2886
Lab Sample ID:	Q2886-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047366.D	1	08/15/25 16:36	VX081525

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	BP-TT182D-GW-20250814	SDG No.:	Q2886
Lab Sample ID:	Q2886-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047376.D	1	08/18/25 13:06	VX081825

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	BP-TT182D-GW-20250814	SDG No.:	Q2886
Lab Sample ID:	Q2886-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047376.D	1	08/18/25 13:06	VX081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	319000	5.568				
540-36-3	1,4-Difluorobenzene	626000	6.769				
3114-55-4	Chlorobenzene-d5	612000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	302000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	BP-TT182D-GW-20250814	SDG No.:	Q2886
Lab Sample ID:	Q2886-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047376.D	1	08/18/25 13:06	VX081825

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

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

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

QC SUMMARY

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

SDG No.: Q2886

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2886-01	BP-TT182D-TB-20250814	1,2-Dichloroethane-d4	50	55.2	110		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	51.2	102		89	112
		4-Bromofluorobenzene	50	56.1	112		85	114
Q2886-02	BP-TT182D-GW-20250814	1,2-Dichloroethane-d4	50	53.0	106		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	49.1	98		89	112
		4-Bromofluorobenzene	50	55.4	111		85	114
VX0815WBL01	VX0815WBL01	1,2-Dichloroethane-d4	50	57.3	115		81	118
		Dibromofluoromethane	50	54.4	109		80	119
		Toluene-d8	50	51.5	103		89	112
		4-Bromofluorobenzene	50	57.2	114		85	114
VX0815WBS01	VX0815WBS01	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	50.8	102		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
VX0815WBSD0	VX0815WBSD01	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	50.3	101		89	112
		4-Bromofluorobenzene	50	53.3	107		85	114
VX0818WBL01	VX0818WBL01	1,2-Dichloroethane-d4	50	54.0	108		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	50.2	100		89	112
		4-Bromofluorobenzene	50	56.1	112		85	114
VX0818WBS01	VX0818WBS01	1,2-Dichloroethane-d4	50	49.7	99		81	118
		Dibromofluoromethane	50	51.4	103		80	119
		Toluene-d8	50	50.7	101		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2886 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX047360.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0815WBS01	Dichlorodifluoromethane	20	17.0	ug/L	85			32	152	
	Chloromethane	20	16.0	ug/L	80			50	139	
	Vinyl chloride	20	16.4	ug/L	82			58	137	
	Bromomethane	20	18.0	ug/L	90			53	141	
	Chloroethane	20	17.2	ug/L	86			60	138	
	Trichlorofluoromethane	20	16.5	ug/L	83			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.1	ug/L	86			70	136	
	1,1-Dichloroethene	20	16.8	ug/L	84			71	131	
	Acetone	100	97.4	ug/L	97			39	160	
	Carbon disulfide	20	16.1	ug/L	81			64	133	
	Methyl tert-butyl Ether	20	17.1	ug/L	86			71	124	
	Methyl Acetate	20	17.7	ug/L	89			56	136	
	Methylene Chloride	20	16.7	ug/L	84			74	124	
	trans-1,2-Dichloroethene	20	16.8	ug/L	84			75	124	
	1,1-Dichloroethane	20	16.7	ug/L	84			77	125	
	Cyclohexane	20	16.4	ug/L	82			71	130	
	2-Butanone	100	93.4	ug/L	93			56	143	
	Carbon Tetrachloride	20	16.8	ug/L	84			72	136	
	cis-1,2-Dichloroethene	20	16.4	ug/L	82			78	123	
	Bromochloromethane	20	20.3	ug/L	102			78	123	
	Chloroform	20	17.2	ug/L	86			79	124	
	1,1,1-Trichloroethane	20	16.8	ug/L	84			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	17.3	ug/L	86			79	120	
	1,2-Dichloroethane	20	17.6	ug/L	88			73	128	
	Trichloroethene	20	17.1	ug/L	86			79	123	
	1,2-Dichloropropane	20	17.2	ug/L	86			78	122	
	Bromodichloromethane	20	17.2	ug/L	86			79	125	
	4-Methyl-2-Pentanone	100	92.0	ug/L	92			67	130	
	Toluene	20	17.6	ug/L	88			80	121	
	t-1,3-Dichloropropene	20	16.9	ug/L	85			73	127	
	cis-1,3-Dichloropropene	20	17.2	ug/L	86			75	124	
	1,1,2-Trichloroethane	20	17.7	ug/L	89			80	119	
	2-Hexanone	100	92.3	ug/L	92			57	139	
	Dibromochloromethane	20	17.0	ug/L	85			74	126	
	1,2-Dibromoethane	20	17.7	ug/L	89			77	121	
	Tetrachloroethene	20	16.9	ug/L	85			74	129	
	Chlorobenzene	20	17.0	ug/L	85			82	118	
	Ethyl Benzene	20	17.1	ug/L	86			79	121	
	m/p-Xylenes	40	34.7	ug/L	87			80	121	
	o-Xylene	20	17.1	ug/L	86			78	122	
	Styrene	20	17.8	ug/L	89			78	123	
	Bromoform	20	16.9	ug/L	85			66	130	
	Isopropylbenzene	20	17.0	ug/L	85			72	131	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			71	121	
	1,3-Dichlorobenzene	20	17.0	ug/L	85			80	119	
	1,4-Dichlorobenzene	20	16.8	ug/L	84			79	118	
	1,2-Dichlorobenzene	20	17.0	ug/L	85			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2886**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047360.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0815WBS01	1,2-Dibromo-3-Chloropropane	20	16.9	ug/L	85			62	128	
	1,2,4-Trichlorobenzene	20	16.5	ug/L	83			69	130	
	1,2,3-Trichlorobenzene	20	16.7	ug/L	84			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2886 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX047361.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0815WBSD01	Dichlorodifluoromethane	20	17.1	ug/L	86	1		32	152	20
	Chloromethane	20	16.2	ug/L	81	1		50	139	20
	Vinyl chloride	20	16.5	ug/L	83	1		58	137	20
	Bromomethane	20	19.2	ug/L	96	6		53	141	20
	Chloroethane	20	16.3	ug/L	81	6		60	138	20
	Trichlorofluoromethane	20	16.1	ug/L	81	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	17.1	ug/L	86	0		70	136	20
	1,1-Dichloroethene	20	16.3	ug/L	81	4		71	131	20
	Acetone	100	91.2	ug/L	91	6		39	160	20
	Carbon disulfide	20	16.2	ug/L	81	0		64	133	20
	Methyl tert-butyl Ether	20	18.0	ug/L	90	5		71	124	20
	Methyl Acetate	20	18.0	ug/L	90	1		56	136	20
	Methylene Chloride	20	17.6	ug/L	88	5		74	124	20
	trans-1,2-Dichloroethene	20	16.7	ug/L	84	0		75	124	20
	1,1-Dichloroethane	20	17.3	ug/L	86	2		77	125	20
	Cyclohexane	20	16.6	ug/L	83	1		71	130	20
	2-Butanone	100	92.2	ug/L	92	1		56	143	20
	Carbon Tetrachloride	20	16.5	ug/L	83	1		72	136	20
	cis-1,2-Dichloroethene	20	16.9	ug/L	85	4		78	123	20
	Bromochloromethane	20	21.4	ug/L	107	5		78	123	20
	Chloroform	20	17.8	ug/L	89	3		79	124	20
	1,1,1-Trichloroethane	20	17.2	ug/L	86	2		74	131	20
	Methylcyclohexane	20	16.7	ug/L	84	1		72	132	20
	Benzene	20	17.3	ug/L	86	0		79	120	20
	1,2-Dichloroethane	20	17.8	ug/L	89	1		73	128	20
	Trichloroethene	20	16.6	ug/L	83	4		79	123	20
	1,2-Dichloropropane	20	17.0	ug/L	85	1		78	122	20
	Bromodichloromethane	20	17.6	ug/L	88	2		79	125	20
	4-Methyl-2-Pentanone	100	93.8	ug/L	94	2		67	130	20
	Toluene	20	17.6	ug/L	88	0		80	121	20
	t-1,3-Dichloropropene	20	17.8	ug/L	89	5		73	127	20
	cis-1,3-Dichloropropene	20	17.7	ug/L	89	3		75	124	20
	1,1,2-Trichloroethane	20	18.2	ug/L	91	2		80	119	20
	2-Hexanone	100	94.0	ug/L	94	2		57	139	20
	Dibromochloromethane	20	17.4	ug/L	87	2		74	126	20
	1,2-Dibromoethane	20	17.8	ug/L	89	0		77	121	20
	Tetrachloroethene	20	16.9	ug/L	85	0		74	129	20
	Chlorobenzene	20	17.1	ug/L	86	1		82	118	20
	Ethyl Benzene	20	17.0	ug/L	85	1		79	121	20
	m/p-Xylenes	40	34.5	ug/L	86	1		80	121	20
	o-Xylene	20	17.2	ug/L	86	0		78	122	20
	Styrene	20	17.6	ug/L	88	1		78	123	20
	Bromoform	20	17.6	ug/L	88	3		66	130	20
	Isopropylbenzene	20	16.8	ug/L	84	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.1	ug/L	91	3		71	121	20
	1,3-Dichlorobenzene	20	17.1	ug/L	86	1		80	119	20
	1,4-Dichlorobenzene	20	17.1	ug/L	86	2		79	118	20
	1,2-Dichlorobenzene	20	17.4	ug/L	87	2		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2886 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX047361.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0815WBSD01	1,2-Dibromo-3-Chloropropane	20	17.5	ug/L	88	3		62	128	20
	1,2,4-Trichlorobenzene	20	17.2	ug/L	86	4		69	130	20
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86	2		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2886**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047374.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0818WBS01	Dichlorodifluoromethane	20	20.5	ug/L	103			32	152	
	Chloromethane	20	22.6	ug/L	113			50	139	
	Vinyl chloride	20	19.1	ug/L	96			58	137	
	Bromomethane	20	13.9	ug/L	70			53	141	
	Chloroethane	20	26.7	ug/L	134			60	138	
	Trichlorofluoromethane	20	19.7	ug/L	99			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102			70	136	
	1,1-Dichloroethene	20	19.9	ug/L	100			71	131	
	Acetone	100	97.8	ug/L	98			39	160	
	Carbon disulfide	20	21.1	ug/L	106			64	133	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			71	124	
	Methyl Acetate	20	20.1	ug/L	101			56	136	
	Methylene Chloride	20	19.2	ug/L	96			74	124	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			75	124	
	1,1-Dichloroethane	20	19.4	ug/L	97			77	125	
	Cyclohexane	20	19.9	ug/L	100			71	130	
	2-Butanone	100	99.2	ug/L	99			56	143	
	Carbon Tetrachloride	20	20.4	ug/L	102			72	136	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			78	123	
	Bromochloromethane	20	19.3	ug/L	97			78	123	
	Chloroform	20	20.0	ug/L	100			79	124	
	1,1,1-Trichloroethane	20	19.7	ug/L	99			74	131	
	Methylcyclohexane	20	20.0	ug/L	100			72	132	
	Benzene	20	20.1	ug/L	101			79	120	
	1,2-Dichloroethane	20	20.6	ug/L	103			73	128	
	Trichloroethene	20	19.8	ug/L	99			79	123	
	1,2-Dichloropropane	20	19.8	ug/L	99			78	122	
	Bromodichloromethane	20	20.3	ug/L	102			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	20.5	ug/L	103			80	121	
	t-1,3-Dichloropropene	20	19.7	ug/L	99			73	127	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	20.4	ug/L	102			74	126	
	1,2-Dibromoethane	20	19.9	ug/L	100			77	121	
	Tetrachloroethene	20	20.0	ug/L	100			74	129	
	Chlorobenzene	20	19.8	ug/L	99			82	118	
	Ethyl Benzene	20	19.9	ug/L	100			79	121	
	m/p-Xylenes	40	40.7	ug/L	102			80	121	
	o-Xylene	20	20.0	ug/L	100			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	20.4	ug/L	102			66	130	
	Isopropylbenzene	20	19.8	ug/L	99			72	131	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			71	121	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			79	118	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2886**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047374.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0818WBS01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94			62	128	
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95			69	130	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			69	129	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0815WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2886

Lab File ID: VX047358.D Lab Sample ID: VX0815WBL01

Date Analyzed: 08/15/2025 Time Analyzed: 13:39

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0815WBS01	VX0815WBS01	VX047360.D	08/15/2025
VX0815WBSD01	VX0815WBSD01	VX047361.D	08/15/2025
BP-TT182D-TB-20250814	Q2886-01	VX047366.D	08/15/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0818WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2886

Lab File ID: VX047373.D Lab Sample ID: VX0818WBL01

Date Analyzed: 08/18/2025 Time Analyzed: 11:50

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0818WBS01	VX0818WBS01	VX047374.D	08/18/2025
BP-TT182D-GW-20250814	Q2886-02	VX047376.D	08/18/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2886

Lab File ID: VX047347.D | BFB Injection Date: 08/15/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:28

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX047349.D	08/15/2025	09:40
VSTDICC020	VSTDICC020	VX047350.D	08/15/2025	10:01
VSTDICCC050	VSTDICCC050	VX047351.D	08/15/2025	10:22
VSTDICC100	VSTDICC100	VX047352.D	08/15/2025	10:43
VSTDICC150	VSTDICC150	VX047353.D	08/15/2025	11:05
VSTDICC001	VSTDICC001	VX047356.D	08/15/2025	12:30
VX0815WBL01	VX0815WBL01	VX047358.D	08/15/2025	13:39
VX0815WBS01	VX0815WBS01	VX047360.D	08/15/2025	14:21
VX0815WBSD01	VX0815WBSD01	VX047361.D	08/15/2025	14:49
BP-TT182D-TB-20250814	Q2886-01	VX047366.D	08/15/2025	16:36
VSTDCCC050EC	VSTDCCC050	VX047369.D	08/15/2025	17:41

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2886

Lab File ID: VX047370.D | BFB Injection Date: 08/18/2025

Instrument ID: MSVOA_X | BFB Injection Time: 09:32

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	70.6 (96.2) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047371.D	08/18/2025	10:00
VX0818WBL01	VX0818WBL01	VX047373.D	08/18/2025	11:50
VX0818WBS01	VX0818WBS01	VX047374.D	08/18/2025	12:17
BP-TT182D-GW-20250814	Q2886-02	VX047376.D	08/18/2025	13:06
VSTDCCC050EC	VSTDCCC050	VX047398.D	08/18/2025	20:57

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2886

Lab File ID: VX047351.D Date Analyzed: 08/15/2025

Instrument ID: MSVOA_X Time Analyzed: 10:22

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	238847	5.57	405572	6.77	363128	10.06
UPPER LIMIT	477694	6.068	811144	7.269	726256	10.555
LOWER LIMIT	119424	5.068	202786	6.269	181564	9.555
EPA SAMPLE NO.						
BP-TT182D-TB-20250814	322553	5.57	632578	6.77	621493	10.06
VX0815WBL01	213035	5.56	413649	6.76	396719	10.06
VX0815WBS01	251230	5.56	424536	6.77	385995	10.06
VX0815WBSD01	232894	5.56	402024	6.76	366622	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2886

Lab File ID: VX047351.D Date Analyzed: 08/15/2025

Instrument ID: MSVOA_X Time Analyzed: 10:22

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

	IS4 AREA #	RT #				
12 HOUR STD	177366	12.018				
UPPER LIMIT	354732	12.518				
LOWER LIMIT	88683	11.518				
EPA SAMPLE NO.						
BP-TT182D-TB-20250814	310393	12.02				
VX0815WBL01	194794	12.02				
VX0815WBS01	195233	12.02				
VX0815WBSD01	184649	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2886

Lab File ID: VX047371.D Date Analyzed: 08/18/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	269622	5.56	444434	6.76	389564	10.06
UPPER LIMIT	539244	6.056	888868	7.263	779128	10.555
LOWER LIMIT	134811	5.056	222217	6.263	194782	9.555
EPA SAMPLE NO.						
BP-TT182D-GW-20250814	318653	5.57	625670	6.77	611655	10.06
VX0818WBL01	325331	5.56	630884	6.76	620229	10.06
VX0818WBS01	256302	5.56	426348	6.77	389002	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2886

Lab File ID: VX047371.D Date Analyzed: 08/18/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS4 AREA #	RT #				
12 HOUR STD	190181	12.018				
UPPER LIMIT	380362	12.518				
LOWER LIMIT	95090.5	11.518				
EPA SAMPLE NO.						
BP-TT182D-GW-20250814	302397	12.02				
VX0818WBL01	309313	12.02				
VX0818WBS01	197596	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0815WBL01	SDG No.:	Q2886
Lab Sample ID:	VX0815WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047358.D	1	08/15/25 13:39	VX081525

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0815WBL01	SDG No.:	Q2886
Lab Sample ID:	VX0815WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047358.D	1	08/15/25 13:39	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.2		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	213000	5.562				
540-36-3	1,4-Difluorobenzene	414000	6.763				
3114-55-4	Chlorobenzene-d5	397000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018				

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0815WBL01	SDG No.:	Q2886
Lab Sample ID:	VX0815WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047358.D	1	08/15/25 13:39	VX081525

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0818WBL01	SDG No.:	Q2886
Lab Sample ID:	VX0818WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047373.D	1	08/18/25 11:50	VX081825

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0818WBL01	SDG No.:	Q2886
Lab Sample ID:	VX0818WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047373.D	1	08/18/25 11:50	VX081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.1		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	325000	5.562				
540-36-3	1,4-Difluorobenzene	631000	6.763				
3114-55-4	Chlorobenzene-d5	620000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	309000	12.018				

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0818WBL01	SDG No.:	Q2886
Lab Sample ID:	VX0818WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047373.D	1	08/18/25 11:50	VX081825

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0815WBS01	SDG No.:	Q2886
Lab Sample ID:	VX0815WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047360.D	1	08/15/25 14:21	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	97.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	17.7		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	16.7		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.8		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	16.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	16.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	93.4		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	16.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	17.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.8		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	17.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	17.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.0		0.68	2.50	5.00	ug/L
108-88-3	Toluene	17.6		0.14	0.50	1.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0815WBS01	SDG No.:	Q2886
Lab Sample ID:	VX0815WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047360.D	1	08/15/25 14:21	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	16.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	92.3		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	17.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	34.7		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	17.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	17.8		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	16.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.0		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.5		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	251000	5.562				
540-36-3	1,4-Difluorobenzene	425000	6.769				
3114-55-4	Chlorobenzene-d5	386000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018				

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0815WBS01	SDG No.:	Q2886
Lab Sample ID:	VX0815WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047360.D	1	08/15/25 14:21	VX081525

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0818WBS01	SDG No.:	Q2886
Lab Sample ID:	VX0818WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047374.D	1	08/18/25 12:17	VX081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.5		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	22.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	13.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	26.7		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	97.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	21.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.2		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.9		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	99.2		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.0		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.1		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.3		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.5		0.14	0.50	1.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0818WBS01	SDG No.:	Q2886
Lab Sample ID:	VX0818WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047374.D	1	08/18/25 12:17	VX081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		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	100		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.9		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		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	19.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.7		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.8		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	19.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	256000	5.562				
540-36-3	1,4-Difluorobenzene	426000	6.769				
3114-55-4	Chlorobenzene-d5	389000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	198000	12.018				

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0818WBS01	SDG No.:	Q2886
Lab Sample ID:	VX0818WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047374.D	1	08/18/25 12:17	VX081825

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

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0815WBSD01	SDG No.:	Q2886
Lab Sample ID:	VX0815WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047361.D	1	08/15/25 14:49	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.2		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.5		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	16.3		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	91.2		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	18.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	17.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	16.6		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	92.2		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	16.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.4		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	17.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.2		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	17.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	16.6		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.0		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	17.6		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.8		0.68	2.50	5.00	ug/L
108-88-3	Toluene	17.6		0.14	0.50	1.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0815WBSD01	SDG No.:	Q2886
Lab Sample ID:	VX0815WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047361.D	1	08/15/25 14:49	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.7		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	94.0		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	17.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.1		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.0		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	34.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	17.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	17.6		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	17.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	16.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.1		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.1		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.5		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	233000	5.562				
540-36-3	1,4-Difluorobenzene	402000	6.763				
3114-55-4	Chlorobenzene-d5	367000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	185000	12.018				

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0815WBSD01	SDG No.:	Q2886
Lab Sample ID:	VX0815WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047361.D	1	08/15/25 14:49	VX081525

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2886

Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.558	0.638	0.731	0.671	0.680	0.546	0.637	11.4
Chloromethane	0.539	0.568	0.624	0.567	0.594	0.549	0.573	5.4
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2
Bromomethane	0.251	0.296	0.336	0.309	0.261		0.291	11.9
Chloroethane	0.392	0.440	0.463	0.410	0.422	0.515	0.440	10
Trichlorofluoromethane	1.012	1.121	1.188	1.060	1.069	0.938	1.065	8.1
1,1,2-Trichlorotrifluoroethane	0.589	0.664	0.697	0.624	0.637	0.494	0.618	11.4
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6
Acetone	0.259	0.310	0.280	0.240	0.240	0.249	0.263	10.5
Carbon Disulfide	1.747	1.916	1.993	1.819	1.854	2.069	1.900	6.2
Methyl tert-butyl Ether	1.768	2.019	2.175	1.962	2.014	1.554	1.915	11.5
Methyl Acetate	0.620	0.661	0.769	0.689	0.728	0.621	0.682	8.7
Methylene Chloride	0.645	0.732	0.757	0.669	0.684	0.691	0.697	5.9
trans-1,2-Dichloroethene	0.638	0.705	0.725	0.655	0.664	0.621	0.668	6
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5
Cyclohexane	1.024	1.202	1.210	1.082	1.113		1.126	7
2-Butanone	0.328	0.378	0.389	0.342	0.343	0.287	0.344	10.6
Carbon Tetrachloride	0.536	0.596	0.607	0.549	0.554	0.515	0.560	6.3
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7
Bromochloromethane	0.543	0.402	0.540	0.560	0.525	0.481	0.508	11.6
Chloroform	1.236	1.328	1.368	1.214	1.243	1.091	1.247	7.8
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8
Methylcyclohexane	0.589	0.673	0.695	0.640	0.642	0.595	0.639	6.5
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6
1,2-Dichloropropane	0.349	0.415	0.421	0.381	0.382	0.357	0.384	7.6
Bromodichloromethane	0.548	0.621	0.635	0.578	0.573	0.513	0.578	7.8
4-Methyl-2-Pentanone	0.408	0.479	0.509	0.451	0.444	0.346	0.440	13
Toluene	0.920	1.043	1.057	0.936	0.927	0.802	0.947	9.9

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2886

Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.444	0.537	0.584	0.541	0.550	0.371	0.505	15.9
cis-1,3-Dichloropropene	0.531	0.608	0.642	0.592	0.602	0.451	0.571	12
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
2-Hexanone	0.284	0.338	0.347	0.310	0.306	0.239	0.304	12.9
Dibromochloromethane	0.412	0.461	0.464	0.426	0.420	0.382	0.428	7.3
1,2-Dibromoethane	0.358	0.397	0.409	0.365	0.361	0.336	0.371	7.2
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
Chlorobenzene	1.163	1.268	1.286	1.163	1.175	1.073	1.188	6.6
Ethyl Benzene	1.941	2.216	2.277	2.062	2.056	1.718	2.045	9.8
m/p-Xylenes	0.722	0.831	0.858	0.765	0.759	0.642	0.763	10.2
o-Xylene	0.679	0.793	0.813	0.735	0.732	0.651	0.734	8.6
Styrene	1.186	1.397	1.411	1.271	1.266	0.909	1.240	14.8
Bromoform	0.294	0.322	0.335	0.306	0.313	0.241	0.302	10.9
Isopropylbenzene	3.547	4.192	4.399	4.048	4.080	3.211	3.913	11.4
1,1,2,2-Tetrachloroethane	1.077	1.208	1.269	1.142	1.152	1.044	1.149	7.2
1,3-Dichlorobenzene	1.719	1.907	1.983	1.811	1.823	1.710	1.825	5.8
1,4-Dichlorobenzene	1.788	1.952	1.986	1.788	1.814	1.936	1.877	4.8
1,2-Dichlorobenzene	1.617	1.851	1.862	1.705	1.729	1.631	1.733	6.1
1,2-Dibromo-3-Chloropropane	0.182	0.225	0.247	0.238	0.249	0.191	0.222	13
1,2,4-Trichlorobenzene	1.030	1.168	1.234	1.191	1.204	1.144	1.161	6.2
1,2,3-Trichlorobenzene	0.919	1.109	1.174	1.132	1.160	1.075	1.095	8.5
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q2886
Instrument ID: MSVOA_X
Calibration Date/Time: 08/15/2025 17:41
Lab File ID: VX047369.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.641		0.63	50
Chloromethane	0.573	0.543	0.1	-5.24	50
Vinyl Chloride	0.720	0.694		-3.61	50
Bromomethane	0.291	0.310		6.53	50
Chloroethane	0.440	0.412		-6.36	50
Trichlorofluoromethane	1.065	1.024		-3.85	50
1,1,2-Trichlorotrifluoroethane	0.618	0.610		-1.29	50
1,1-Dichloroethene	0.630	0.615		-2.38	50
Acetone	0.263	0.242		-7.99	50
Carbon Disulfide	1.900	1.704		-10.32	50
Methyl tert-butyl Ether	1.915	1.883		-1.67	50
Methyl Acetate	0.682	0.718		5.28	50
Methylene Chloride	0.697	0.659		-5.45	50
trans-1,2-Dichloroethene	0.668	0.638		-4.49	50
1,1-Dichloroethane	1.222	1.185	0.1	-3.03	50
Cyclohexane	1.126	1.063		-5.59	50
2-Butanone	0.344	0.354		2.91	50
Carbon Tetrachloride	0.560	0.525		-6.25	50
cis-1,2-Dichloroethene	0.778	0.746		-4.11	50
Bromochloromethane	0.508	0.507		-0.2	50
Chloroform	1.247	1.208		-3.13	50
1,1,1-Trichloroethane	1.073	1.026		-4.38	50
Methylcyclohexane	0.639	0.599		-6.26	50
Benzene	1.533	1.466		-4.37	50
1,2-Dichloroethane	0.543	0.514		-5.34	50
Trichloroethene	0.393	0.373		-5.09	50
1,2-Dichloropropane	0.384	0.366		-4.69	50
Bromodichloromethane	0.578	0.550		-4.84	50
4-Methyl-2-Pentanone	0.440	0.465		5.68	50
Toluene	0.947	0.909		-4.01	50
t-1,3-Dichloropropene	0.505	0.498		-1.39	50
cis-1,3-Dichloropropene	0.571	0.551		-3.5	50
1,1,2-Trichloroethane	0.360	0.348		-3.33	50
2-Hexanone	0.304	0.320		5.26	50
Dibromochloromethane	0.428	0.405		-5.37	50
1,2-Dibromoethane	0.371	0.356		-4.04	50
Tetrachloroethene	0.362	0.342		-5.53	50
Chlorobenzene	1.188	1.114	0.3	-6.23	50

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2886

Instrument ID: MSVOA_X Calibration Date/Time: 08/15/2025 17:41

Lab File ID: VX047369.D Init. Calib. Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:40 12:30

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.969		-3.72	50
m/p-Xylenes	0.763	0.737		-3.41	50
o-Xylene	0.734	0.710		-3.27	50
Styrene	1.240	1.234		-0.48	50
Bromoform	0.302	0.297	0.1	-1.66	50
Isopropylbenzene	3.913	3.768		-3.71	50
1,1,2,2-Tetrachloroethane	1.149	1.127	0.3	-1.91	50
1,3-Dichlorobenzene	1.825	1.706		-6.52	50
1,4-Dichlorobenzene	1.877	1.706		-9.11	50
1,2-Dichlorobenzene	1.733	1.609		-7.16	50
1,2-Dibromo-3-Chloropropane	0.222	0.225		1.35	50
1,2,4-Trichlorobenzene	1.161	1.074		-7.49	50
1,2,3-Trichlorobenzene	1.095	1.029		-6.03	50
1,2-Dichloroethane-d4	0.700	0.693		-1	50
Dibromofluoromethane	0.325	0.320		-1.54	50
Toluene-d8	1.160	1.129		-2.67	50
4-Bromofluorobenzene	0.428	0.427		-0.23	50

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q2886
Instrument ID: MSVOA_X
Calibration Date/Time: 08/18/2025 10:00
Lab File ID: VX047371.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.681		6.91	20
Chloromethane	0.573	0.638	0.1	11.34	20
Vinyl Chloride	0.720	0.719		-0.14	20
Bromomethane	0.291	0.248		-14.78	20
Chloroethane	0.440	0.451		2.5	20
Trichlorofluoromethane	1.065	1.060		-0.47	20
1,1,2-Trichlorotrifluoroethane	0.618	0.631		2.1	20
1,1-Dichloroethene	0.630	0.616		-2.22	20
Acetone	0.263	0.254		-3.42	20
Carbon Disulfide	1.900	1.913		0.68	20
Methyl tert-butyl Ether	1.915	1.840		-3.92	20
Methyl Acetate	0.682	0.672		-1.47	20
Methylene Chloride	0.697	0.657		-5.74	20
trans-1,2-Dichloroethene	0.668	0.633		-5.24	20
1,1-Dichloroethane	1.222	1.177	0.1	-3.68	20
Cyclohexane	1.126	1.041		-7.55	20
2-Butanone	0.344	0.330		-4.07	20
Carbon Tetrachloride	0.560	0.548		-2.14	20
cis-1,2-Dichloroethene	0.778	0.726		-6.68	20
Bromochloromethane	0.508	0.536		5.51	20
Chloroform	1.247	1.170		-6.18	20
1,1,1-Trichloroethane	1.073	1.024		-4.57	20
Methylcyclohexane	0.639	0.604		-5.48	20
Benzene	1.533	1.469		-4.18	20
1,2-Dichloroethane	0.543	0.515		-5.16	20
Trichloroethene	0.393	0.366		-6.87	20
1,2-Dichloropropane	0.384	0.368		-4.17	20
Bromodichloromethane	0.578	0.557		-3.63	20
4-Methyl-2-Pentanone	0.440	0.428		-2.73	20
Toluene	0.947	0.900		-4.96	20
t-1,3-Dichloropropene	0.505	0.497		-1.58	20
cis-1,3-Dichloropropene	0.571	0.550		-3.68	20
1,1,2-Trichloroethane	0.360	0.340		-5.56	20
2-Hexanone	0.304	0.290		-4.61	20
Dibromochloromethane	0.428	0.406		-5.14	20
1,2-Dibromoethane	0.371	0.344		-7.28	20
Tetrachloroethene	0.362	0.349		-3.59	20
Chlorobenzene	1.188	1.129	0.3	-4.97	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2886

Instrument ID: MSVOA_X Calibration Date/Time: 08/18/2025 10:00

Lab File ID: VX047371.D Init. Calib. Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:40 12:30

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.968		-3.77	20
m/p-Xylenes	0.763	0.735		-3.67	20
o-Xylene	0.734	0.708		-3.54	20
Styrene	1.240	1.227		-1.05	20
Bromoform	0.302	0.297	0.1	-1.66	20
Isopropylbenzene	3.913	3.805		-2.76	20
1,1,2,2-Tetrachloroethane	1.149	1.100	0.3	-4.26	20
1,3-Dichlorobenzene	1.825	1.709		-6.36	20
1,4-Dichlorobenzene	1.877	1.719		-8.42	20
1,2-Dichlorobenzene	1.733	1.636		-5.6	20
1,2-Dibromo-3-Chloropropane	0.222	0.210		-5.41	20
1,2,4-Trichlorobenzene	1.161	1.067		-8.1	20
1,2,3-Trichlorobenzene	1.095	1.029		-6.03	20
1,2-Dichloroethane-d4	0.700	0.690		-1.43	20
Dibromofluoromethane	0.325	0.336		3.38	20
Toluene-d8	1.160	1.149		-0.95	20
4-Bromofluorobenzene	0.428	0.424		-0.94	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q2886
Instrument ID: MSVOA_X
Calibration Date/Time: 08/18/2025 20:57
Lab File ID: VX047398.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.633		-0.63	50
Chloromethane	0.573	0.563	0.1	-1.75	50
Vinyl Chloride	0.720	0.674		-6.39	50
Bromomethane	0.291	0.176		-39.52	50
Chloroethane	0.440	0.422		-4.09	50
Trichlorofluoromethane	1.065	1.016		-4.6	50
1,1,2-Trichlorotrifluoroethane	0.618	0.604		-2.27	50
1,1-Dichloroethene	0.630	0.592		-6.03	50
Acetone	0.263	0.251		-4.56	50
Carbon Disulfide	1.900	1.780		-6.32	50
Methyl tert-butyl Ether	1.915	1.897		-0.94	50
Methyl Acetate	0.682	0.740		8.5	50
Methylene Chloride	0.697	0.659		-5.45	50
trans-1,2-Dichloroethene	0.668	0.625		-6.44	50
1,1-Dichloroethane	1.222	1.172	0.1	-4.09	50
Cyclohexane	1.126	1.065		-5.42	50
2-Butanone	0.344	0.365		6.11	50
Carbon Tetrachloride	0.560	0.527		-5.89	50
cis-1,2-Dichloroethene	0.778	0.733		-5.78	50
Bromochloromethane	0.508	0.496		-2.36	50
Chloroform	1.247	1.196		-4.09	50
1,1,1-Trichloroethane	1.073	1.028		-4.19	50
Methylcyclohexane	0.639	0.604		-5.48	50
Benzene	1.533	1.461		-4.7	50
1,2-Dichloroethane	0.543	0.517		-4.79	50
Trichloroethene	0.393	0.369		-6.11	50
1,2-Dichloropropane	0.384	0.366		-4.69	50
Bromodichloromethane	0.578	0.549		-5.02	50
4-Methyl-2-Pentanone	0.440	0.468		6.36	50
Toluene	0.947	0.907		-4.22	50
t-1,3-Dichloropropene	0.505	0.491		-2.77	50
cis-1,3-Dichloropropene	0.571	0.534		-6.48	50
1,1,2-Trichloroethane	0.360	0.345		-4.17	50
2-Hexanone	0.304	0.324		6.58	50
Dibromochloromethane	0.428	0.409		-4.44	50
1,2-Dibromoethane	0.371	0.359		-3.23	50
Tetrachloroethene	0.362	0.350		-3.32	50
Chlorobenzene	1.188	1.117	0.3	-5.98	50

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2886

Instrument ID: MSVOA_X Calibration Date/Time: 08/18/2025 20:57

Lab File ID: VX047398.D Init. Calib. Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:40 12:30

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.978		-3.28	50
m/p-Xylenes	0.763	0.744		-2.49	50
o-Xylene	0.734	0.715		-2.59	50
Styrene	1.240	1.214		-2.1	50
Bromoform	0.302	0.301	0.1	-0.33	50
Isopropylbenzene	3.913	3.767		-3.73	50
1,1,2,2-Tetrachloroethane	1.149	1.119	0.3	-2.61	50
1,3-Dichlorobenzene	1.825	1.690		-7.4	50
1,4-Dichlorobenzene	1.877	1.698		-9.54	50
1,2-Dichlorobenzene	1.733	1.602		-7.56	50
1,2-Dibromo-3-Chloropropane	0.222	0.229		3.15	50
1,2,4-Trichlorobenzene	1.161	1.096		-5.6	50
1,2,3-Trichlorobenzene	1.095	1.036		-5.39	50
1,2-Dichloroethane-d4	0.700	0.708		1.14	50
Dibromofluoromethane	0.325	0.329		1.23	50
Toluene-d8	1.160	1.154		-0.52	50
4-Bromofluorobenzene	0.428	0.435		1.64	50

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

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LAB CHRONICLE

OrderID:	Q2886	**OrderDate:**	8/15/2025 11:08:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	J13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2886-02	**BP-TT182D-GW-2025 0814**	**Water**			**08/14/25**			**08/15/25**
			SVOC-SIMGroup1	8270-Modified		08/20/25	08/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2886

Client: Tetra Tech NUS, Inc.

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

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	BP-TT182D-GW-20250814	SDG No.:	Q2886
Lab Sample ID:	Q2886-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 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
BN037640.D	1	08/20/25 09:05	08/20/25 21:10	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	U	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		114%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1990	7.71				
1146-65-2	Naphthalene-d8	4540	10.487				
15067-26-2	Acenaphthene-d10	2260	14.345				
1517-22-2	Phenanthrene-d10	5000	17.086				
1719-03-5	Chrysene-d12	4680	21.268				
1520-96-3	Perylene-d12	4140	23.496				

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

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2886

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169328BL	PB169328BL	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.36	91		58	132
PB169328BS	PB169328BS	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
PB169328BSD	PB169328BSD	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.32	79		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
Q2886-02	BP-TT182D-GW-20250814	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.46	114		58	132

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2886 **Analytical Method:** 8270-Modified

Client: Tetra Tech NUS, Inc. **DataFile:** BN037635.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169328BS	1,4-Dioxane	0.4	0.32	ug/L	80				70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2886 **Analytical Method:** 8270-Modified

Client: Tetra Tech NUS, Inc. **DataFile:** BN037636.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169328BSD	1,4-Dioxane	0.4	0.31	ug/L	78	3			70	130	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169328BL

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2886

Lab File ID: BN037634.D | Lab Sample ID: PB169328BL

Instrument ID: BNA_N | Date Extracted: 08/20/2025

Matrix: (soil/water) Water | Date Analyzed: 08/20/2025

Level: (low/med) LOW | Time Analyzed: 17:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169328BS	PB169328BS	BN037635.D	08/20/2025
PB169328BSD	PB169328BSD	BN037636.D	08/20/2025
BP-TT182D-GW-20250814	Q2886-02	BN037640.D	08/20/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2886

Lab File ID: BN037576.D | DFTPP Injection Date: 08/12/2025

Instrument ID: BNA_N | DFTPP Injection Time: 15:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	87.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (19.2) 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	BN037578.D	08/12/2025	16:26
SSTDICC0.2	SSTDICC0.2	BN037579.D	08/12/2025	17:03
SSTDICCC0.4	SSTDICCC0.4	BN037580.D	08/12/2025	17:39
SSTDICC0.8	SSTDICC0.8	BN037581.D	08/12/2025	18:16
SSTDICC1.6	SSTDICC1.6	BN037582.D	08/12/2025	18:52
SSTDICC3.2	SSTDICC3.2	BN037583.D	08/12/2025	19:29
SSTDICC5.0	SSTDICC5.0	BN037584.D	08/12/2025	20:05

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2886

Lab File ID: BN037632.D | DFTPP Injection Date: 08/20/2025

Instrument ID: BNA_N | DFTPP Injection Time: 16:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	81.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037633.D	08/20/2025	16:57
PB169328BL	PB169328BL	BN037634.D	08/20/2025	17:33
PB169328BS	PB169328BS	BN037635.D	08/20/2025	18:10
PB169328BSD	PB169328BSD	BN037636.D	08/20/2025	18:46
BP-TT182D-GW-20250814	Q2886-02	BN037640.D	08/20/2025	21:10
SSTDCCC0.4EC	SSTDCCC0.4	BN037641.D	08/20/2025	21:47

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2886

Client ID : SSTDCCC0.4 Date Analyzed: 08/20/2025

Lab File ID: BN037633.D Time Analyzed: 16:57

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	2754	7.71	6418	10.49	3102	14.35
	UPPER LIMIT	5508	8.21	12836	10.987	6204	14.845
	LOWER LIMIT	1377	7.21	3209	9.987	1551	13.845
	EPA SAMPLE NO.						
01	PB169328BL	2138	7.71	4908	10.49	2089	14.35
02	PB169328BS	2188	7.71	5030	10.49	2230	14.35
03	PB169328BSD	2346	7.71	5382	10.49	2393	14.35
04	BP-TT182D-GW-20250814	1993	7.71	4535	10.49	2256	14.35

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2886

Client ID: SSTDCCC0.4 Date Analyzed: 08/20/2025

Lab File ID: BN037633.D Time Analyzed: 16:57

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	6405	17.086	5848	21.268	4933	23.502
	UPPER LIMIT	12810	17.586	11696	21.768	9866	24.002
	LOWER LIMIT	3202.5	16.586	2924	20.768	2466.5	23.002
	EPA SAMPLE NO.						
01	PB169328BL	4205	17.09	3648	21.27	3405	23.51
02	PB169328BS	4276	17.09	3523	21.27	3228	23.50
03	PB169328BSD	4365	17.09	3473	21.27	3177	23.50
04	BP-TT182D-GW-20250814	4998	17.09	4680	21.27	4140	23.50

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

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB169328BL	SDG No.:	Q2886
Lab Sample ID:	PB169328BL	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
BN037634.D	1	08/20/25 09:05	08/20/25 17:33	PB169328

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	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		91%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2140	7.71				
1146-65-2	Naphthalene-d8	4910	10.488				
15067-26-2	Acenaphthene-d10	2090	14.345				
1517-22-2	Phenanthrene-d10	4210	17.087				
1719-03-5	Chrysene-d12	3650	21.268				
1520-96-3	Perylene-d12	3410	23.505				

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB169328BS	SDG No.:	Q2886
Lab Sample ID:	PB169328BS	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
BN037635.D	1	08/20/25 09:05	08/20/25 18:10	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.32		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		97%	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	2190	7.71				
1146-65-2	Naphthalene-d8	5030	10.488				
15067-26-2	Acenaphthene-d10	2230	14.345				
1517-22-2	Phenanthrene-d10	4280	17.087				
1719-03-5	Chrysene-d12	3520	21.268				
1520-96-3	Perylene-d12	3230	23.499				

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB169328BSD	SDG No.:	Q2886
Lab Sample ID:	PB169328BSD	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
BN037636.D	1	08/20/25 09:05	08/20/25 18:46	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		79%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	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	2350	7.71				
1146-65-2	Naphthalene-d8	5380	10.487				
15067-26-2	Acenaphthene-d10	2390	14.345				
1517-22-2	Phenanthrene-d10	4370	17.086				
1719-03-5	Chrysene-d12	3470	21.268				
1520-96-3	Perylene-d12	3180	23.501				

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 13 05:00:58 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037578.D 0.2 =BN037579.D 0.4 =BN037580.D 0.8 =BN037581.D 1.6 =BN037582.D 3.2 =BN037583.D 5 =BN037584.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.413	0.395	0.368	0.397	0.375	0.348	0.383		6.08
3)		n-Nitrosodimet...	0.471	0.488	0.471	0.493	0.503	0.508	0.489		3.19
4)	S	2-Fluorophenol	0.922	0.945	0.888	0.823	0.886	0.906	0.977	0.907	5.41
5)	S	Phenol-d6	1.045	1.051	1.044	0.983	1.198	1.117	1.201	1.091	7.66
6)		bis(2-Chloroet...	0.935	0.987	0.976	0.936	1.020	1.008	1.022	0.983	3.75
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.270	0.257	0.262	0.264	0.292	0.301	0.326	0.282	9.03
9)		Naphthalene	1.044	1.050	1.037	1.012	1.089	1.096	1.127	1.065	3.78
10)		Hexachlorobuta...	0.252	0.258	0.262	0.253	0.267	0.264	0.265	0.260	2.22
11)	SURR	2-Methylnaphth...	0.488	0.492	0.508	0.493	0.543	0.578	0.705	0.544	14.39
12)		2-Methylnaphth...	0.589	0.631	0.635	0.629	0.701	0.731	0.760	0.668	9.39
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.139	0.149	0.156	0.160	0.185	0.203	0.234	0.175	19.39
15)	S	2-Fluorobiphenyl	2.226	2.243	2.300	2.251	2.341	2.391	2.440	2.313	3.50
16)		Acenaphthylene	1.740	1.760	1.710	1.653	1.850	1.858	1.980	1.793	6.15
17)		Acenaphthene	1.144	1.150	1.172	1.154	1.283	1.286	1.348	1.220	6.86
18)		Fluorene	1.466	1.510	1.524	1.521	1.686	1.693	1.770	1.596	7.38
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.042	0.046	0.047	0.061	0.070		0.053		22.37
21)		4-Bromophenyl-...	0.226	0.236	0.234	0.237	0.265	0.271	0.292	0.251	9.77
22)		Hexachlorobenzene	0.360	0.360	0.356	0.332	0.364	0.354	0.370	0.356	3.37
23)		Atrazine	0.127	0.126	0.130	0.134	0.160	0.176		0.142	14.76
24)		Pentachlorophenol	0.108	0.113	0.113	0.139	0.152		0.125		15.36
25)		Phenanthrene	1.146	1.162	1.170	1.138	1.281	1.269	1.347	1.216	6.72
26)		Anthracene	0.950	0.985	0.995	0.988	1.145	1.186	1.286	1.077	11.93
27)	SURR	Fluoranthene-d10	0.932	0.966	0.954	0.935	1.050	1.110	1.419	1.052	16.61
28)		Fluoranthene	1.241	1.264	1.299	1.291	1.503	1.533	1.648	1.397	11.53
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.539	1.486	1.464	1.403	1.502	1.520	1.552	1.495	3.38
31)	S	Terphenyl-d14	0.814	0.801	0.796	0.763	0.833	0.853	0.901	0.823	5.45
32)		Benzo(a)anthra...	1.266	1.275	1.263	1.253	1.351	1.458	1.487	1.336	7.40
33)		Chrysene	1.547	1.515	1.433	1.379	1.511	1.489	1.551	1.489	4.21
34)		Bis(2-ethylhex...	0.518	0.522	0.483	0.522	0.593	0.671	0.551		12.47
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN081225.M

36)		Indeno(1,2,3-c...	1.446	1.462	1.612	1.568	1.816	1.883	2.011	1.686	13.01
37)		Benzo(b)fluora...	1.351	1.375	1.338	1.432	1.615	1.674	1.825	1.516	12.52
38)		Benzo(k)fluora...	1.597	1.580	1.651	1.628	1.821	1.797	1.898	1.710	7.36
39)	C	Benzo(a)pyrene	1.146	1.136	1.149	1.157	1.322	1.382	1.508	1.257	11.77
40)		Dibenzo(a,h)an...	1.023	1.118	1.222	1.215	1.439	1.516	1.621	1.308	16.85
41)		Benzo(g,h,i)pe...	1.207	1.274	1.262	1.261	1.467	1.532	1.643	1.378	12.17

(#) = Out of Range

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2886

Instrument ID: BNA_N Calibration Date/Time: 08/20/2025 16:57

Lab File ID: BN037633.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.500		-8.1	20.0
Fluoranthene-d10	1.052	0.958		-8.9	20.0
2-Fluorophenol	0.907	0.835		-7.9	20.0
Phenol-d6	1.091	1.002		-8.2	20.0
Nitrobenzene-d5	0.282	0.274		-2.8	20.0
2-Fluorobiphenyl	2.313	2.325		0.5	20.0
2,4,6-Tribromophenol	0.175	0.180		2.9	20.0
Terphenyl-d14	0.823	0.755		-8.3	20.0
1,4-Dioxane	0.383	0.377		-1.6	20.0

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2886

Instrument ID: BNA_N Calibration Date/Time: 08/20/2025 21:47

Lab File ID: BN037641.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 16:26 20:05

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.462		-15.1	50.0
Fluoranthene-d10	1.052	0.964		-8.4	50.0
2-Fluorophenol	0.907	1.118		23.3	50.0
Phenol-d6	1.091	2.134		95.6	50.0
Nitrobenzene-d5	0.282	0.380		34.8	50.0
2-Fluorobiphenyl	2.313	2.315		0.1	50.0
2,4,6-Tribromophenol	0.175	0.178		1.7	50.0
Terphenyl-d14	0.823	0.809		-1.7	50.0
1,4-Dioxane	0.383	0.350		-8.6	50.0

All other compounds must meet a minimum RRF of 0.010.