

LAB CHRONICLE

OrderID:	Q1347	OrderDate:	2/10/2025 3:45:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1347-01	BP-VPB-192-EB-2025 0207	Water	VOCMS Group1	8260-Low	02/07/25		02/12/25	02/10/25
Q1347-02	BP-VPB-192-TB-2025 0206	Water	VOCMS Group1	8260-Low	02/06/25		02/12/25	02/10/25
Q1347-03	BP-VPB-192-GW-710- 712	Water	VOCMS Group1	8260-Low	02/10/25		02/12/25	02/10/25
Q1347-04	BP-VPB-192-GW-640- 642	Water	VOCMS Group1	8260-Low	02/06/25		02/12/25	02/10/25
Q1347-05	BP-VPB-192-GW-660- 662	Water	VOCMS Group1	8260-Low	02/06/25		02/12/25	02/10/25
Q1347-06	BP-VPB-192-GW-680- 682	Water	VOCMS Group1	8260-Low	02/06/25		02/12/25	02/10/25

Hit Summary Sheet
SW-846

SDG No.: Q1347
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: Q1347-01	BP-VPB-192-EB-20250207 BP-VPB-192-EB-20 Water	Acetone		7.40		1.40	3.80	5.00	ug/L
		Total Voc :		7.40					
		Total Concentration:		7.40					
Client ID: Q1347-03	BP-VPB-192-GW-710-712 BP-VPB-192-GW-7 Water	Acetone		8.10		1.40	3.80	5.00	ug/L
		Total Voc :		8.10					
		Total Concentration:		8.10					
Client ID: Q1347-04	BP-VPB-192-GW-640-642 BP-VPB-192-GW-6 Water	Acetone		10.9		1.40	3.80	5.00	ug/L
		Total Voc :		10.9					
		Total Concentration:		10.9					
Client ID: Q1347-05	BP-VPB-192-GW-660-662 BP-VPB-192-GW-6 Water	Acetone		14.5		1.40	3.80	5.00	ug/L
Q1347-05	BP-VPB-192-GW-6 Water	Carbon Disulfide		0.38	J	0.32	0.75	1.00	ug/L
		Total Voc :		14.9					
		Total Concentration:		14.9					
Client ID: Q1347-06	BP-VPB-192-GW-680-682 BP-VPB-192-GW-6 Water	Acetone		34.3		1.40	3.80	5.00	ug/L
Q1347-06	BP-VPB-192-GW-6 Water	2-Butanone		8.90		1.30	2.50	5.00	ug/L
Q1347-06	BP-VPB-192-GW-6 Water	2-Hexanone		1.40	J	1.10	2.50	5.00	ug/L
		Total Voc :		44.6					
		Total Concentration:		44.6					



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/07/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-EB-20250207		SDG No.:	Q1347	
Lab Sample ID:	Q1347-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044926.D	1		02/12/25 12:32	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	7.40		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/07/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-EB-20250207		SDG No.:	Q1347	
Lab Sample ID:	Q1347-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044926.D	1		02/12/25 12:32	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.3		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	84800	5.543				
540-36-3	1,4-Difluorobenzene	176000	6.757				
3114-55-4	Chlorobenzene-d5	159000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	69900	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/07/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-EB-20250207		SDG No.:	Q1347	
Lab Sample ID:	Q1347-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044926.D	1		02/12/25 12:32	VX021225

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-TB-20250206		SDG No.:	Q1347	
Lab Sample ID:	Q1347-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044927.D	1		02/12/25 12:55	VX021225

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-TB-20250206		SDG No.:	Q1347	
Lab Sample ID:	Q1347-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044927.D	1		02/12/25 12:55	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	89300	5.544				
540-36-3	1,4-Difluorobenzene	184000	6.757				
3114-55-4	Chlorobenzene-d5	163000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	68300	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-TB-20250206		SDG No.:	Q1347	
Lab Sample ID:	Q1347-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044927.D	1		02/12/25 12:55	VX021225

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/10/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-710-712		SDG No.:	Q1347	
Lab Sample ID:	Q1347-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044925.D	1		02/12/25 12:09	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	8.10		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/10/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-710-712		SDG No.:	Q1347	
Lab Sample ID:	Q1347-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044925.D	1		02/12/25 12:09	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.8		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	84700	5.544				
540-36-3	1,4-Difluorobenzene	172000	6.757				
3114-55-4	Chlorobenzene-d5	152000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	62900	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/10/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-710-712		SDG No.:	Q1347	
Lab Sample ID:	Q1347-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044925.D	1		02/12/25 12:09	VX021225

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-640-642		SDG No.:	Q1347	
Lab Sample ID:	Q1347-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044928.D	1		02/12/25 13:17	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	10.9		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-640-642		SDG No.:	Q1347	
Lab Sample ID:	Q1347-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044928.D	1		02/12/25 13:17	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	87900	5.549				
540-36-3	1,4-Difluorobenzene	180000	6.756				
3114-55-4	Chlorobenzene-d5	165000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	70300	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-640-642		SDG No.:	Q1347	
Lab Sample ID:	Q1347-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044928.D	1		02/12/25 13:17	VX021225

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-660-662		SDG No.:	Q1347	
Lab Sample ID:	Q1347-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044929.D	1		02/12/25 13:40	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	14.5		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.38	J	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-660-662		SDG No.:	Q1347	
Lab Sample ID:	Q1347-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044929.D	1		02/12/25 13:40	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.5		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	87400	5.55				
540-36-3	1,4-Difluorobenzene	178000	6.757				
3114-55-4	Chlorobenzene-d5	165000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	70800	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-660-662		SDG No.:	Q1347	
Lab Sample ID:	Q1347-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044929.D	1		02/12/25 13:40	VX021225

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-680-682		SDG No.:	Q1347	
Lab Sample ID:	Q1347-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044930.D	1		02/12/25 14:03	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	34.3		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	8.90		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	1.40	J	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-680-682		SDG No.:	Q1347	
Lab Sample ID:	Q1347-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044930.D	1		02/12/25 14:03	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.4		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	89100	5.544				
540-36-3	1,4-Difluorobenzene	186000	6.757				
3114-55-4	Chlorobenzene-d5	170000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	73200	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/06/25	
Project:	CTO WE13		Date Received:	02/10/25	
Client Sample ID:	BP-VPB-192-GW-680-682		SDG No.:	Q1347	
Lab Sample ID:	Q1347-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044930.D	1		02/12/25 14:03	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q1347

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1347-01	BP-VPB-192-EB-20250207	1,2-Dichloroethane-d4	50	55.3	111	81	118
		Dibromofluoromethane	50	50.4	101	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114
Q1347-02	BP-VPB-192-TB-20250206	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	52.4	105	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114
Q1347-03	BP-VPB-192-GW-710-712	1,2-Dichloroethane-d4	50	53.8	108	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114
Q1347-04	BP-VPB-192-GW-640-642	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	51.5	103	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	51.9	104	85	114
Q1347-05	BP-VPB-192-GW-660-662	1,2-Dichloroethane-d4	50	55.5	111	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	53.5	107	85	114
Q1347-06	BP-VPB-192-GW-680-682	1,2-Dichloroethane-d4	50	56.4	113	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
VX0212WBL01	VX0212WBL01	1,2-Dichloroethane-d4	50	54.1	108	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114
VX0212WBS01	VX0212WBS01	1,2-Dichloroethane-d4	50	50.2	100	81	118
		Dibromofluoromethane	50	49.4	99	80	119
		Toluene-d8	50	49.2	98	89	112
		4-Bromofluorobenzene	50	50.6	101	85	114
VX0212WBSD0	VX0212WBSD01	1,2-Dichloroethane-d4	50	50.4	101	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1347

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX044923.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0212WBS01	Chloromethane	20	18.4	ug/L	92			50	139	
	Vinyl chloride	20	17.7	ug/L	89			58	137	
	Bromomethane	20	20.2	ug/L	101			53	141	
	Chloroethane	20	21.8	ug/L	109			60	138	
	Trichlorofluoromethane	20	18.9	ug/L	95			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.9	ug/L	95			70	136	
	1,1-Dichloroethene	20	18.3	ug/L	92			71	131	
	Acetone	100	95.2	ug/L	95			39	160	
	Carbon disulfide	20	16.9	ug/L	85			64	133	
	Methyl tert-butyl Ether	20	18.6	ug/L	93			71	124	
	Methylene Chloride	20	18.4	ug/L	92			74	124	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			75	124	
	1,1-Dichloroethane	20	18.6	ug/L	93			77	125	
	2-Butanone	100	97.1	ug/L	97			56	143	
	Carbon Tetrachloride	20	18.4	ug/L	92			72	136	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			78	123	
	Chloroform	20	19.1	ug/L	96			79	124	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			74	131	
	Methylcyclohexane	20	18.8	ug/L	94			72	132	
	Benzene	20	18.9	ug/L	95			79	120	
	1,2-Dichloroethane	20	19.8	ug/L	99			73	128	
	Trichloroethene	20	18.2	ug/L	91			79	123	
	1,2-Dichloropropane	20	18.5	ug/L	93			78	122	
	Bromodichloromethane	20	19.1	ug/L	96			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	19.1	ug/L	96			80	121	
	t-1,3-Dichloropropene	20	18.0	ug/L	90			73	127	
	cis-1,3-Dichloropropene	20	18.1	ug/L	91			75	124	
	1,1,2-Trichloroethane	20	19.2	ug/L	96			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	18.8	ug/L	94			74	126	
	Tetrachloroethene	20	18.9	ug/L	95			74	129	
	Chlorobenzene	20	18.9	ug/L	95			82	118	
	Ethyl Benzene	20	18.9	ug/L	95			79	121	
	m/p-Xylenes	40	38.3	ug/L	96			80	121	
	o-Xylene	20	18.9	ug/L	95			78	122	
	Styrene	20	19.3	ug/L	97			78	123	
	Bromoform	20	18.9	ug/L	95			66	130	
	Isopropylbenzene	20	18.3	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/L	93			71	121	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			80	119	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			79	118	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1347

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX044924.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0212WBSD01	Chloromethane	20	17.6	ug/L	88	4		50	139	20
	Vinyl chloride	20	16.9	ug/L	85	5		58	137	20
	Bromomethane	20	19.4	ug/L	97	4		53	141	20
	Chloroethane	20	22.0	ug/L	110	1		60	138	20
	Trichlorofluoromethane	20	18.6	ug/L	93	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93	2		70	136	20
	1,1-Dichloroethene	20	17.5	ug/L	88	4		71	131	20
	Acetone	100	98.2	ug/L	98	3		39	160	20
	Carbon disulfide	20	16.6	ug/L	83	2		64	133	20
	Methyl tert-butyl Ether	20	18.7	ug/L	94	1		71	124	20
	Methylene Chloride	20	18.4	ug/L	92	0		74	124	20
	trans-1,2-Dichloroethene	20	18.0	ug/L	90	1		75	124	20
	1,1-Dichloroethane	20	18.7	ug/L	94	1		77	125	20
	2-Butanone	100	99.3	ug/L	99	2		56	143	20
	Carbon Tetrachloride	20	18.7	ug/L	94	2		72	136	20
	cis-1,2-Dichloroethene	20	18.5	ug/L	93	2		78	123	20
	Chloroform	20	18.6	ug/L	93	3		79	124	20
	1,1,1-Trichloroethane	20	18.2	ug/L	91	3		74	131	20
	Methylcyclohexane	20	19.4	ug/L	97	3		72	132	20
	Benzene	20	18.9	ug/L	95	0		79	120	20
	1,2-Dichloroethane	20	20.0	ug/L	100	1		73	128	20
	Trichloroethene	20	18.7	ug/L	94	3		79	123	20
	1,2-Dichloropropane	20	19.6	ug/L	98	5		78	122	20
	Bromodichloromethane	20	19.3	ug/L	97	1		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		67	130	20
	Toluene	20	19.4	ug/L	97	1		80	121	20
	t-1,3-Dichloropropene	20	17.8	ug/L	89	1		73	127	20
	cis-1,3-Dichloropropene	20	19.3	ug/L	97	6		75	124	20
	1,1,2-Trichloroethane	20	20.3	ug/L	102	6		80	119	20
	2-Hexanone	100	110	ug/L	110	10		57	139	20
	Dibromochloromethane	20	19.0	ug/L	95	1		74	126	20
	Tetrachloroethene	20	19.0	ug/L	95	0		74	129	20
	Chlorobenzene	20	19.0	ug/L	95	0		82	118	20
	Ethyl Benzene	20	19.0	ug/L	95	0		79	121	20
	m/p-Xylenes	40	38.9	ug/L	97	1		80	121	20
	o-Xylene	20	19.5	ug/L	98	3		78	122	20
	Styrene	20	19.7	ug/L	99	2		78	123	20
	Bromoform	20	19.4	ug/L	97	2		66	130	20
	Isopropylbenzene	20	18.7	ug/L	94	2		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.2	ug/L	91	2		71	121	20
	1,3-Dichlorobenzene	20	19.3	ug/L	97	4		80	119	20
	1,4-Dichlorobenzene	20	18.5	ug/L	93	0		79	118	20
	1,2-Dichlorobenzene	20	19.1	ug/L	96	1		80	119	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0212WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1347

SAS No.: Q1347 SDG NO.: Q1347

Lab File ID: VX044922.D

Lab Sample ID: VX0212WBL01

Date Analyzed: 02/12/2025

Time Analyzed: 10:57

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
VX0212WBS01	VX0212WBS01	VX044923.D	02/12/2025
VX0212WBSD01	VX0212WBSD01	VX044924.D	02/12/2025
BP-VPB-192-GW-710-712	Q1347-03	VX044925.D	02/12/2025
BP-VPB-192-EB-20250207	Q1347-01	VX044926.D	02/12/2025
BP-VPB-192-TB-20250206	Q1347-02	VX044927.D	02/12/2025
BP-VPB-192-GW-640-642	Q1347-04	VX044928.D	02/12/2025
BP-VPB-192-GW-660-662	Q1347-05	VX044929.D	02/12/2025
BP-VPB-192-GW-680-682	Q1347-06	VX044930.D	02/12/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG NO.: Q1347
Lab File ID: VX044867.D BFB Injection Date: 02/10/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:35
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	19.7
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	72.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX044868.D	02/10/2025	10:25
VSTDIC005	VSTDIC005	VX044869.D	02/10/2025	10:48
VSTDIC020	VSTDIC020	VX044870.D	02/10/2025	11:11
VSTDIC050	VSTDIC050	VX044871.D	02/10/2025	11:34
VSTDIC100	VSTDIC100	VX044872.D	02/10/2025	12:05
VSTDIC150	VSTDIC150	VX044873.D	02/10/2025	12:28

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG NO.: Q1347
Lab File ID: VX044919.D BFB Injection Date: 02/12/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:39
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	77.1
175	5.0 - 9.0% of mass 174	5.6 (7.2) 1
176	95.0 - 101.0% of mass 174	74.9 (97.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044920.D	02/12/2025	10:07
VX0212WBL01	VX0212WBL01	VX044922.D	02/12/2025	10:57
VX0212WBS01	VX0212WBS01	VX044923.D	02/12/2025	11:20
VX0212WBSD01	VX0212WBSD01	VX044924.D	02/12/2025	11:46
BP-VPB-192-GW-710-712	Q1347-03	VX044925.D	02/12/2025	12:09
BP-VPB-192-EB-20250207	Q1347-01	VX044926.D	02/12/2025	12:32
BP-VPB-192-TB-20250206	Q1347-02	VX044927.D	02/12/2025	12:55
BP-VPB-192-GW-640-642	Q1347-04	VX044928.D	02/12/2025	13:17
BP-VPB-192-GW-660-662	Q1347-05	VX044929.D	02/12/2025	13:40
BP-VPB-192-GW-680-682	Q1347-06	VX044930.D	02/12/2025	14:03
VSTDCCC050EC	VSTDCCC050	VX044946.D	02/12/2025	20:11

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG NO.: Q1347
Lab File ID: VX044920.D Date Analyzed: 02/12/2025
Instrument ID: MSVOA_X Time Analyzed: 10:07
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	120105	5.54	211946	6.75	185163	10.05
UPPER LIMIT	240210	6.044	423892	7.251	370326	10.549
LOWER LIMIT	60052.5	5.044	105973	6.251	92581.5	9.549
EPA SAMPLE NO.						
BP-VPB-192-EB-20250207	84780	5.54	175612	6.76	159224	10.05
BP-VPB-192-TB-20250206	89251	5.54	183953	6.76	163403	10.05
BP-VPB-192-GW-710-712	84715	5.54	171791	6.76	152421	10.05
BP-VPB-192-GW-640-642	87862	5.55	179992	6.76	164982	10.05
BP-VPB-192-GW-660-662	87405	5.55	177786	6.76	164986	10.05
BP-VPB-192-GW-680-682	89084	5.54	185691	6.76	170107	10.05
VX0212WBL01	96997	5.54	194457	6.76	176635	10.05
VX0212WBS01	111261	5.54	204350	6.76	179478	10.05
VX0212WBSD01	109124	5.54	195530	6.75	172961	10.05

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG NO.: Q1347
Lab File ID: VX044920.D Date Analyzed: 02/12/2025
Instrument ID: MSVOA_X Time Analyzed: 10:07
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	84033	12.018				
UPPER LIMIT	168066	12.518				
LOWER LIMIT	42016.5	11.518				
EPA SAMPLE NO.						
BP-VPB-192-EB-20250207	69850	12.02				
BP-VPB-192-TB-20250206	68278	12.02				
BP-VPB-192-GW-710-712	62921	12.02				
BP-VPB-192-GW-640-642	70282	12.02				
BP-VPB-192-GW-660-662	70815	12.02				
BP-VPB-192-GW-680-682	73243	12.02				
VX0212WBL01	76229	12.02				
VX0212WBS01	82301	12.02				
VX0212WBSD01	79611	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0212WBL01		SDG No.:	Q1347
Lab Sample ID:	VX0212WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044922.D	1		02/12/25 10:57	VX021225

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0212WBL01		SDG No.:	Q1347
Lab Sample ID:	VX0212WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044922.D	1		02/12/25 10:57	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.1		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	97000	5.544				
540-36-3	1,4-Difluorobenzene	194000	6.757				
3114-55-4	Chlorobenzene-d5	177000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	76200	12.018				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0212WBS01		SDG No.:	Q1347
Lab Sample ID:	VX0212WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044923.D	1		02/12/25 11:20	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.4		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.7		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.8		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.26	0.75	1.00	ug/L
67-64-1	Acetone	95.2		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.6		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.6		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	97.1		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.1		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.8		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.9		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.2		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.1		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.1		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0212WBS01		SDG No.:	Q1347
Lab Sample ID:	VX0212WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044923.D	1		02/12/25 11:20	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.8		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.9		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.9		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.3		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	18.9		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.3		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	111000	5.543				
540-36-3	1,4-Difluorobenzene	204000	6.757				
3114-55-4	Chlorobenzene-d5	179000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	82300	12.018				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0212WBSD01		SDG No.:	Q1347
Lab Sample ID:	VX0212WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044924.D	1		02/12/25 11:46	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.6		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.9		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	0.75	1.00	ug/L
67-64-1	Acetone	98.2		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	99.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.6		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.2		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.4		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.9		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.4		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.8		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0212WBSD01		SDG No.:	Q1347
Lab Sample ID:	VX0212WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044924.D	1		02/12/25 11:46	VX021225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.5		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.7		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	19.4		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.7		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.2		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.1		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.544				
540-36-3	1,4-Difluorobenzene	196000	6.751				
3114-55-4	Chlorobenzene-d5	173000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	79600	12.018				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG No.: Q1347

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID:								
RRF001 = VX044868.D			RRF005 = VX044869.D			RRF020 = VX044870.D		
RRF050 = VX044871.D			RRF100 = VX044872.D			RRF150 = VX044873.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.9
Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.3
Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.4
Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.4
Trichlorofluoromethane	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.3
1,1,2-Trichlorotrifluoroethane	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.5
1,1-Dichloroethene	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2
Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.3
Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3
Methyl tert-butyl Ether	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.4
Methylene Chloride	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.8
trans-1,2-Dichloroethene	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.7
1,1-Dichloroethane	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.9
2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.4
Carbon Tetrachloride	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.4
cis-1,2-Dichloroethene	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.9
Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.5
1,1,1-Trichloroethane	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.3
Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.4
Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.7
1,2-Dichloroethane	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.1
Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.2
1,2-Dichloropropane	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.3
Bromodichloromethane	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.6
4-Methyl-2-Pentanone	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.6
Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.7
t-1,3-Dichloropropene	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10
cis-1,3-Dichloropropene	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.5
1,1,2-Trichloroethane	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.4
2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.3

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG No.: Q1347
 Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX044868.D		RRF005 = VX044869.D		RRF020 = VX044870.D			
		RRF050 = VX044871.D		RRF100 = VX044872.D		RRF150 = VX044873.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dibromochloromethane	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.7	
Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.4	
Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.3	
Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.9	
m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.6	
o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.4	
Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.4	
Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.7	
Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.9	
1,1,2,2-Tetrachloroethane	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.6	
1,3-Dichlorobenzene	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.5	
1,4-Dichlorobenzene	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.2	
1,2-Dichlorobenzene	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.3	
1,2-Dichloroethane-d4		0.764	0.718	0.723	0.707	0.747	0.732	3.2	
Dibromofluoromethane		0.335	0.322	0.320	0.320	0.328	0.325	2	
Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.5	
4-Bromofluorobenzene		0.404	0.410	0.431	0.415	0.412	0.414	2.5	

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG No.: Q1347

Instrument ID: MSVOA_X Calibration Date/Time: 02/12/2025 10:07

Lab File ID: VX044920.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.854	0.820	0.1	-3.98	20
Vinyl Chloride	0.827	0.797		-3.63	20
Bromomethane	0.247	0.256		3.64	20
Chloroethane	0.307	0.389		26.71	20
Trichlorofluoromethane	1.046	1.056		0.96	20
1,1,2-Trichlorotrifluoroethane	0.632	0.642		1.58	20
1,1-Dichloroethene	0.644	0.613		-4.81	20
Acetone	0.294	0.293		-0.34	20
Carbon Disulfide	1.767	1.633		-7.58	20
Methyl tert-butyl Ether	2.050	1.992		-2.83	20
Methylene Chloride	0.721	0.687		-4.72	20
trans-1,2-Dichloroethene	0.634	0.601		-5.2	20
1,1-Dichloroethane	1.233	1.202	0.1	-2.51	20
2-Butanone	0.478	0.466		-2.51	20
Carbon Tetrachloride	0.460	0.463		0.65	20
cis-1,2-Dichloroethene	0.762	0.733		-3.81	20
Chloroform	1.196	1.159		-3.09	20
1,1,1-Trichloroethane	1.014	0.988		-2.56	20
Methylcyclohexane	0.606	0.636		4.95	20
Benzene	1.465	1.458		-0.48	20
1,2-Dichloroethane	0.467	0.483		3.43	20
Trichloroethene	0.335	0.330		-1.49	20
1,2-Dichloropropane	0.364	0.366		0.55	20
Bromodichloromethane	0.489	0.505		3.27	20
4-Methyl-2-Pentanone	0.512	0.531		3.71	20
Toluene	0.872	0.887		1.72	20
t-1,3-Dichloropropene	0.495	0.514		3.84	20
cis-1,3-Dichloropropene	0.552	0.566		2.54	20
1,1,2-Trichloroethane	0.335	0.334		-0.3	20
2-Hexanone	0.369	0.382		3.52	20
Dibromochloromethane	0.359	0.367		2.23	20
Tetrachloroethene	0.315	0.319		1.27	20
Chlorobenzene	1.074	1.085	0.3	1.02	20
Ethyl Benzene	1.895	1.934		2.06	20
m/p-Xylenes	0.699	0.715		2.29	20
o-Xylene	0.701	0.711		1.43	20
Styrene	1.130	1.191		5.4	20
Bromoform	0.258	0.269	0.1	4.26	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG No.: Q1347

Instrument ID: MSVOA_X Calibration Date/Time: 02/12/2025 10:07

Lab File ID: VX044920.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.026	4.000		-0.65	20
1,1,2,2-Tetrachloroethane	1.383	1.289	0.3	-6.8	20
1,3-Dichlorobenzene	1.678	1.658		-1.19	20
1,4-Dichlorobenzene	1.697	1.647		-2.95	20
1,2-Dichlorobenzene	1.650	1.611		-2.36	20
1,2-Dichloroethane-d4	0.732	0.766		4.64	20
Dibromofluoromethane	0.325	0.353		8.61	20
Toluene-d8	1.229	1.313		6.84	20
4-Bromofluorobenzene	0.414	0.448		8.21	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG No.: Q1347

Instrument ID: MSVOA_X Calibration Date/Time: 02/12/2025 20:11

Lab File ID: VX044946.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.854	0.806	0.1	-5.62	50
Vinyl Chloride	0.827	0.747		-9.67	50
Bromomethane	0.247	0.253		2.43	50
Chloroethane	0.307	0.406		32.25	50
Trichlorofluoromethane	1.046	1.013		-3.15	50
1,1,2-Trichlorotrifluoroethane	0.632	0.589		-6.8	50
1,1-Dichloroethene	0.644	0.602		-6.52	50
Acetone	0.294	0.304		3.4	50
Carbon Disulfide	1.767	1.520		-13.98	50
Methyl tert-butyl Ether	2.050	1.979		-3.46	50
Methylene Chloride	0.721	0.685		-4.99	50
trans-1,2-Dichloroethene	0.634	0.607		-4.26	50
1,1-Dichloroethane	1.233	1.191	0.1	-3.41	50
2-Butanone	0.478	0.500		4.6	50
Carbon Tetrachloride	0.460	0.437		-5	50
cis-1,2-Dichloroethene	0.762	0.739		-3.02	50
Chloroform	1.196	1.171		-2.09	50
1,1,1-Trichloroethane	1.014	0.973		-4.04	50
Methylcyclohexane	0.606	0.564		-6.93	50
Benzene	1.465	1.409		-3.82	50
1,2-Dichloroethane	0.467	0.478		2.36	50
Trichloroethene	0.335	0.311		-7.16	50
1,2-Dichloropropane	0.364	0.353		-3.02	50
Bromodichloromethane	0.489	0.487		-0.41	50
4-Methyl-2-Pentanone	0.512	0.552		7.81	50
Toluene	0.872	0.851		-2.41	50
t-1,3-Dichloropropene	0.495	0.468		-5.45	50
cis-1,3-Dichloropropene	0.552	0.530		-3.99	50
1,1,2-Trichloroethane	0.335	0.336		0.3	50
2-Hexanone	0.369	0.410		11.11	50
Dibromochloromethane	0.359	0.353		-1.67	50
Tetrachloroethene	0.315	0.294		-6.67	50
Chlorobenzene	1.074	1.019	0.3	-5.12	50
Ethyl Benzene	1.895	1.798		-5.12	50
m/p-Xylenes	0.699	0.671		-4.01	50
o-Xylene	0.701	0.666		-4.99	50
Styrene	1.130	1.122		-0.71	50
Bromoform	0.258	0.248	0.1	-3.88	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1347 SAS No.: Q1347 SDG No.: Q1347

Instrument ID: MSVOA_X Calibration Date/Time: 02/12/2025 20:11

Lab File ID: VX044946.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.026	3.804		-5.51	50
1,1,2,2-Tetrachloroethane	1.383	1.299	0.3	-6.07	50
1,3-Dichlorobenzene	1.678	1.564		-6.79	50
1,4-Dichlorobenzene	1.697	1.566		-7.72	50
1,2-Dichlorobenzene	1.650	1.569		-4.91	50
1,2-Dichloroethane-d4	0.732	0.710		-3.01	50
Dibromofluoromethane	0.325	0.305		-6.15	50
Toluene-d8	1.229	1.123		-8.63	50
4-Bromofluorobenzene	0.414	0.400		-3.38	50

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