

LAB CHRONICLE

OrderID:	P4934	OrderDate:	11/20/2024 11:23:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	L61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4934-01	TB-01-20241118	Water	VOCMS Group1	8260-Low	11/18/24		11/21/24	11/20/24
P4934-02	BPOW6-11-20241118	Water	VOCMS Group1	8260-Low	11/18/24		11/21/24	11/20/24
P4934-03	BPOW6-7-20241118	Water	VOCMS Group1	8260-Low	11/18/24		11/21/24	11/20/24
P4934-04	DUP-01-20241118	Water	VOCMS Group1	8260-Low	11/18/24		11/21/24	11/20/24
P4934-05	BPOW6-10-20241119	Water	VOCMS Group1	8260-Low	11/19/24		11/21/24	11/20/24
P4934-08	BPOW6-9-20241119	Water	VOCMS Group1	8260-Low	11/19/24		11/21/24	11/20/24
P4934-09	FB-01-20241119	Water	VOCMS Group1	8260-Low	11/19/24		11/21/24	11/20/24
P4934-10	BPOW6-8-20241119	Water	VOCMS Group1	8260-Low	11/19/24		11/21/24	11/20/24
P4934-11	RB-01-20241119	Water	VOCMS Group1	8260-Low	11/19/24		11/21/24	11/20/24
P4934-12	DUP-02-20241119	Water	VOCMS Group1	8260-Low	11/19/24		11/21/24	11/20/24

Hit Summary Sheet SW-846

SDG No.: P4934
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	TB-01-20241118								
P4934-01	TB-01-20241118	Water	Chloromethane	0.43	J	0.35	0.50	1.00	ug/L
P4934-01	TB-01-20241118	Water	Acetone	1.40	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.83					
			Total Concentration:	1.83					
Client ID:	BPOW6-11-20241118								
P4934-02	BPOW6-11-202411	Water	Chloromethane	0.47	J	0.35	0.50	1.00	ug/L
P4934-02	BPOW6-11-202411	Water	Acetone	1.50	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.97					
			Total Concentration:	1.97					
Client ID:	BPOW6-7-20241118								
P4934-03	BPOW6-7-2024111	Water	Acetone	1.60	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.60					
			Total Concentration:	1.60					
Client ID:	DUP-01-20241118								
P4934-04	DUP-01-20241118	Water	Acetone	1.90	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.90					
			Total Concentration:	1.90					
Client ID:	BPOW6-10-20241119								
P4934-05	BPOW6-10-202411	Water	Chloromethane	0.36	J	0.35	0.50	1.00	ug/L
P4934-05	BPOW6-10-202411	Water	Acetone	1.90	J	1.40	3.80	5.00	ug/L
			Total Voc :	2.26					
			Total Concentration:	2.26					
Client ID:	BPOW6-9-20241119								
P4934-08	BPOW6-9-2024111	Water	Acetone	1.60	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.60					
			Total Concentration:	1.60					
Client ID:	FB-01-20241119								
P4934-09	FB-01-20241119	Water	Acetone	2.30	J	1.40	3.80	5.00	ug/L
			Total Voc :	2.30					
			Total Concentration:	2.30					
Client ID:	BPOW6-8-20241119								
P4934-10	BPOW6-8-2024111	Water	Chloromethane	0.45	J	0.35	0.50	1.00	ug/L
P4934-10	BPOW6-8-2024111	Water	Acetone	1.80	J	1.40	3.80	5.00	ug/L
			Total Voc :	2.25					
			Total Concentration:	2.25					
Client ID:	RB-01-20241119								
P4934-11	RB-01-20241119	Water	Chloromethane	0.37	J	0.35	0.50	1.00	ug/L
P4934-11	RB-01-20241119	Water	Acetone	3.30	J	1.40	3.80	5.00	ug/L
			Total Voc :	3.67					
			Total Concentration:	3.67					

Hit Summary Sheet
SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	DUP-02-20241119								
P4934-12	DUP-02-20241119	Water	Acetone	1.50	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.50					
			Total Concentration:	1.50					



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	11/18/24		
Project:	CTO WE13			Date Received:	11/20/24		
Client Sample ID:	TB-01-20241118			SDG No.:	P4934		
Lab Sample ID:	P4934-01			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
VX043938.D	1		11/21/24 16:27	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.43	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.40	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	UQ	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:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	TB-01-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-01		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
VX043938.D	1		11/21/24 16:27	VX112124

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	48.6		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.55				
540-36-3	1,4-Difluorobenzene	212000	6.757				
3114-55-4	Chlorobenzene-d5	190000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	81000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	TB-01-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-01		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
VX043938.D	1		11/21/24 16:27	VX112124

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:	11/18/24	
Project:	CTO WE13			Date Received:	11/20/24	
Client Sample ID:	BPOW6-11-20241118			SDG No.:	P4934	
Lab Sample ID:	P4934-02			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
VX043941.D	1		11/21/24 17:36	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.47	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.50	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	UQ	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:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-11-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-02		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
VX043941.D	1		11/21/24 17:36	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.544				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	191000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	77300	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-11-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-02		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
VX043941.D	1		11/21/24 17:36	VX112124

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:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-7-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-03		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
VX043942.D	1		11/21/24 17:59	VX112124

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	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	UQ	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:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-7-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-03		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
VX043942.D	1		11/21/24 17:59	VX112124

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	48.7		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.55				
540-36-3	1,4-Difluorobenzene	230000	6.757				
3114-55-4	Chlorobenzene-d5	204000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	86700	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-7-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-03		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
VX043942.D	1		11/21/24 17:59	VX112124

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:	11/18/24		
Project:	CTO WE13			Date Received:	11/20/24		
Client Sample ID:	DUP-01-20241118			SDG No.:	P4934		
Lab Sample ID:	P4934-04			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
VX043945.D	1		11/21/24 19:09	VX112124

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	1.90	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	UQ	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:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	DUP-01-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-04		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
VX043945.D	1		11/21/24 19:09	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.5		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.544				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	199000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	80100	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	DUP-01-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-04		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
VX043945.D	1		11/21/24 19:09	VX112124

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:	11/19/24	
Project:	CTO WE13			Date Received:	11/20/24	
Client Sample ID:	BPOW6-10-20241119			SDG No.:	P4934	
Lab Sample ID:	P4934-05			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
VX043947.D	1		11/21/24 19:55	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.36	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.90	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	UQ	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:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-10-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-05		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
VX043947.D	1		11/21/24 19:55	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.2		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	111000	5.544				
540-36-3	1,4-Difluorobenzene	211000	6.757				
3114-55-4	Chlorobenzene-d5	189000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	77900	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-10-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-05		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
VX043947.D	1		11/21/24 19:55	VX112124

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:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-9-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-08		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
VX043943.D	1		11/21/24 18:23	VX112124

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	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-9-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-08		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
VX043943.D	1		11/21/24 18:23	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.9		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	110000	5.55				
540-36-3	1,4-Difluorobenzene	206000	6.757				
3114-55-4	Chlorobenzene-d5	181000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	69000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-9-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-08		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
VX043943.D	1		11/21/24 18:23	VX112124

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:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	FB-01-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-09		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
VX043939.D	1		11/21/24 16:50	VX112124

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	2.30	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	UQ	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:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	FB-01-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-09		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
VX043939.D	1		11/21/24 16:50	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.4		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	112000	5.543				
540-36-3	1,4-Difluorobenzene	209000	6.757				
3114-55-4	Chlorobenzene-d5	184000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	73300	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	FB-01-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-09		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
VX043939.D	1		11/21/24 16:50	VX112124

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:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-8-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-10		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
VX043944.D	1		11/21/24 18:46	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.45	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.80	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-8-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-10		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
VX043944.D	1		11/21/24 18:46	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.0		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.55				
540-36-3	1,4-Difluorobenzene	227000	6.757				
3114-55-4	Chlorobenzene-d5	198000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	79800	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-8-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-10		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
VX043944.D	1		11/21/24 18:46	VX112124

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:	11/19/24		
Project:	CTO WE13			Date Received:	11/20/24		
Client Sample ID:	RB-01-20241119			SDG No.:	P4934		
Lab Sample ID:	P4934-11			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
VX043940.D	1		11/21/24 17:13	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.37	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.30	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	UQ	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:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	RB-01-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-11		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
VX043940.D	1		11/21/24 17:13	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.9		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.549				
540-36-3	1,4-Difluorobenzene	214000	6.757				
3114-55-4	Chlorobenzene-d5	192000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	78900	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	RB-01-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-11		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
VX043940.D	1		11/21/24 17:13	VX112124

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:	11/19/24		
Project:	CTO WE13			Date Received:	11/20/24		
Client Sample ID:	DUP-02-20241119			SDG No.:	P4934		
Lab Sample ID:	P4934-12			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
VX043946.D	1		11/21/24 19:32	VX112124

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	1.50	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	UQ	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:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	DUP-02-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-12		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
VX043946.D	1		11/21/24 19:32	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.55				
540-36-3	1,4-Difluorobenzene	210000	6.757				
3114-55-4	Chlorobenzene-d5	184000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	74800	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	DUP-02-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-12		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
VX043946.D	1		11/21/24 19:32	VX112124

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.: **P4934**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4934-01	TB-01-20241118	1,2-Dichloroethane-d4	50	48.6	97	81	118
		Dibromofluoromethane	50	45.8	92	80	119
		Toluene-d8	50	50.2	100	89	112
		4-Bromofluorobenzene	50	49.7	99	85	114
P4934-02	BPOW6-11-20241118	1,2-Dichloroethane-d4	50	50.2	100	81	118
		Dibromofluoromethane	50	46.6	93	80	119
		Toluene-d8	50	48.6	97	89	112
		4-Bromofluorobenzene	50	46.3	93	85	114
P4934-03	BPOW6-7-20241118	1,2-Dichloroethane-d4	50	48.7	97	81	118
		Dibromofluoromethane	50	45.8	92	80	119
		Toluene-d8	50	49.2	98	89	112
		4-Bromofluorobenzene	50	48.5	97	85	114
P4934-04	DUP-01-20241118	1,2-Dichloroethane-d4	50	49.5	99	81	118
		Dibromofluoromethane	50	46.7	93	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	47.1	94	85	114
P4934-05	BPOW6-10-20241119	1,2-Dichloroethane-d4	50	50.1	100	81	118
		Dibromofluoromethane	50	46.2	92	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	48.1	96	85	114
P4934-06MS	BPOW6-10-20241119MS	1,2-Dichloroethane-d4	50	52.5	105	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114
P4934-07MSD	BPOW6-10-20241119MSD	1,2-Dichloroethane-d4	50	55.5	111	81	118
		Dibromofluoromethane	50	54.7	109	80	119
		Toluene-d8	50	54.5	109	89	112
		4-Bromofluorobenzene	50	54.2	108	85	114
P4934-08	BPOW6-9-20241119	1,2-Dichloroethane-d4	50	49.9	100	81	118
		Dibromofluoromethane	50	47.1	94	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	45.9	92	85	114
P4934-09	FB-01-20241119	1,2-Dichloroethane-d4	50	49.4	99	81	118
		Dibromofluoromethane	50	46.1	92	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
P4934-10	BPOW6-8-20241119	1,2-Dichloroethane-d4	50	49.0	98	81	118
		Dibromofluoromethane	50	46.0	92	80	119
		Toluene-d8	50	48.5	97	89	112
		4-Bromofluorobenzene	50	47.1	94	85	114
P4934-11	RB-01-20241119	1,2-Dichloroethane-d4	50	49.9	100	81	118
		Dibromofluoromethane	50	46.4	93	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	50.3	100	85	114
P4934-12	DUP-02-20241119	1,2-Dichloroethane-d4	50	50.7	101	81	118
		Dibromofluoromethane	50	45.4	91	80	119
		Toluene-d8	50	48.9	98	89	112
		4-Bromofluorobenzene	50	47.6	95	85	114
VX1121WBL01	VX1121WBL01	1,2-Dichloroethane-d4	50	49.5	99	81	118
		Dibromofluoromethane	50	46.0	92	80	119

Surrogate Summary

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VX1121WBL01	VX1121WBL01	Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
VX1121WBS01	VX1121WBS01	1,2-Dichloroethane-d4	50	50.8	102	81	118
		Dibromofluoromethane	50	47.8	96	80	119
		Toluene-d8	50	48.3	97	89	112
		4-Bromofluorobenzene	50	48.5	97	85	114
VX1122WBL01	VX1122WBL01	1,2-Dichloroethane-d4	50	50.7	101	81	118
		Dibromofluoromethane	50	46.6	93	80	119
		Toluene-d8	50	48.7	97	89	112
		4-Bromofluorobenzene	50	47.9	96	85	114
VX1122WBS01	VX1122WBS01	1,2-Dichloroethane-d4	50	54.0	108	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **P4934**

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

Analytical Method: **SW8260-Low**

Parameter	Spike	Sample	Result	Units	Rec		RPD		Limits		RPD
		Result			Qual	RPD	Qual	Low	High		
Lab Sample ID :	P4934-06MS	Client Sample ID :	BPOW6-10-20241119MS					Datafile :	VX043973.D		
Chloromethane	50	0.36	51.8	ug/L	103				50	139	
Vinyl chloride	50	0	50.0	ug/L	100				58	137	
Bromomethane	50	0	55.4	ug/L	111				53	141	
Chloroethane	50	0	51.5	ug/L	103				60	138	
Trichlorofluoromethane	50	0	48.1	ug/L	96				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	49.2	ug/L	98				70	136	
1,1-Dichloroethene	50	0	49.0	ug/L	98				71	131	
Acetone	250	1.90	200	ug/L	79				39	160	
Carbon disulfide	50	0	42.7	ug/L	85				64	133	
Methyl tert-butyl Ether	50	0	52.4	ug/L	105				71	124	
Methylene Chloride	50	0	49.5	ug/L	99				74	124	
trans-1,2-Dichloroethene	50	0	51.2	ug/L	102				75	124	
1,1-Dichloroethane	50	0	53.2	ug/L	106				77	125	
2-Butanone	250	0	240	ug/L	96				56	143	
Carbon Tetrachloride	50	0	47.0	ug/L	94				72	136	
cis-1,2-Dichloroethene	50	0	52.1	ug/L	104				78	123	
Chloroform	50	0	52.3	ug/L	105				79	124	
1,1,1-Trichloroethane	50	0	53.3	ug/L	107				74	131	
Methylcyclohexane	50	0	45.2	ug/L	90				72	132	
Benzene	50	0	49.1	ug/L	98				79	120	
1,2-Dichloroethane	50	0	50.1	ug/L	100				73	128	
Trichloroethene	50	0	41.9	ug/L	84				79	123	
1,2-Dichloropropane	50	0	51.0	ug/L	102				78	122	
Bromodichloromethane	50	0	50.2	ug/L	100				79	125	
4-Methyl-2-Pentanone	250	0	250	ug/L	100				67	130	
Toluene	50	0	49.6	ug/L	99				80	121	
t-1,3-Dichloropropene	50	0	48.6	ug/L	97				73	127	
cis-1,3-Dichloropropene	50	0	48.3	ug/L	97				75	124	
1,1,2-Trichloroethane	50	0	48.6	ug/L	97				80	119	
2-Hexanone	250	0	250	ug/L	100				57	139	
Dibromochloromethane	50	0	48.7	ug/L	97				74	126	
Tetrachloroethene	50	0	46.8	ug/L	94				74	129	
Chlorobenzene	50	0	48.6	ug/L	97				82	118	
Ethyl Benzene	50	0	50.0	ug/L	100				79	121	
m/p-Xylenes	100	0	100	ug/L	100				80	121	
o-Xylene	50	0	51.1	ug/L	102				78	122	
Styrene	50	0	52.4	ug/L	105				78	123	
Bromoform	50	0	43.1	ug/L	86				66	130	
Isopropylbenzene	50	0	48.4	ug/L	97				72	131	
1,1,2,2-Tetrachloroethane	50	0	48.6	ug/L	97				71	121	
1,3-Dichlorobenzene	50	0	46.6	ug/L	93				80	119	
1,4-Dichlorobenzene	50	0	46.8	ug/L	94				79	118	
1,2-Dichlorobenzene	50	0	47.6	ug/L	95				80	119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Limits											
Parameter	Spike	Sample	Result	Units	Rec		RPD	RPD		RPD	
		Result			Qual	Qual		Low	High		
Lab Sample ID :	P4934-07MSD	Client Sample ID :	BPOW6-10-20241119MSD					Datafile :	VX043974.D		
Chloromethane	50	0.36	51.8	ug/L	103		0		50	139	20
Vinyl chloride	50	0	49.9	ug/L	100		0		58	137	20
Bromomethane	50	0	60.3	ug/L	121		8		53	141	20
Chloroethane	50	0	54.2	ug/L	108		5		60	138	20
Trichlorofluoromethane	50	0	62.0	ug/L	124		25	*	65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	50.6	ug/L	101		3		70	136	20
1,1-Dichloroethene	50	0	51.6	ug/L	103		5		71	131	20
Acetone	250	1.90	210	ug/L	83		5		39	160	20
Carbon disulfide	50	0	49.1	ug/L	98		14		64	133	20
Methyl tert-butyl Ether	50	0	56.8	ug/L	114		8		71	124	20
Methylene Chloride	50	0	52.9	ug/L	106		7		74	124	20
trans-1,2-Dichloroethene	50	0	55.1	ug/L	110		7		75	124	20
1,1-Dichloroethane	50	0	56.5	ug/L	113		6		77	125	20
2-Butanone	250	0	250	ug/L	100		4		56	143	20
Carbon Tetrachloride	50	0	54.3	ug/L	109		14		72	136	20
cis-1,2-Dichloroethene	50	0	55.7	ug/L	111		7		78	123	20
Chloroform	50	0	56.6	ug/L	113		8		79	124	20
1,1,1-Trichloroethane	50	0	58.0	ug/L	116		8		74	131	20
Methylcyclohexane	50	0	50.4	ug/L	101		11		72	132	20
Benzene	50	0	54.8	ug/L	110		11		79	120	20
1,2-Dichloroethane	50	0	55.9	ug/L	112		11		73	128	20
Trichloroethene	50	0	47.3	ug/L	95		12		79	123	20
1,2-Dichloropropane	50	0	57.5	ug/L	115		12		78	122	20
Bromodichloromethane	50	0	56.3	ug/L	113		11		79	125	20
4-Methyl-2-Pentanone	250	0	270	ug/L	108		8		67	130	20
Toluene	50	0	55.8	ug/L	112		12		80	121	20
t-1,3-Dichloropropene	50	0	56.4	ug/L	113		15		73	127	20
cis-1,3-Dichloropropene	50	0	54.2	ug/L	108		12		75	124	20
1,1,2-Trichloroethane	50	0	54.2	ug/L	108		11		80	119	20
2-Hexanone	250	0	260	ug/L	104		4		57	139	20
Dibromochloromethane	50	0	56.0	ug/L	112		14		74	126	20
Tetrachloroethene	50	0	51.6	ug/L	103		10		74	129	20
Chlorobenzene	50	0	53.5	ug/L	107		10		82	118	20
Ethyl Benzene	50	0	55.4	ug/L	111		10		79	121	20
m/p-Xylenes	100	0	110	ug/L	110		10		80	121	20
o-Xylene	50	0	55.8	ug/L	112		9		78	122	20
Styrene	50	0	56.4	ug/L	113		7		78	123	20
Bromoform	50	0	48.1	ug/L	96		11		66	130	20
Isopropylbenzene	50	0	54.2	ug/L	108		11		72	131	20
1,1,2,2-Tetrachloroethane	50	0	54.8	ug/L	110		12		71	121	20
1,3-Dichlorobenzene	50	0	52.9	ug/L	106		13		80	119	20
1,4-Dichlorobenzene	50	0	52.6	ug/L	105		12		79	118	20
1,2-Dichlorobenzene	50	0	53.5	ug/L	107		12		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX043935.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1121WBS01	Chloromethane	20	19.4	ug/L	97			50	139	
	Vinyl chloride	20	18.5	ug/L	93			58	137	
	Bromomethane	20	18.7	ug/L	94			53	141	
	Chloroethane	20	20.7	ug/L	104			60	138	
	Trichlorofluoromethane	20	17.3	ug/L	86			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88			70	136	
	1,1-Dichloroethene	20	17.9	ug/L	90			71	131	
	Acetone	100	90.6	ug/L	91			39	160	
	Carbon disulfide	20	17.2	ug/L	86			64	133	
	Methyl tert-butyl Ether	20	19.4	ug/L	97			71	124	
	Methylene Chloride	20	18.6	ug/L	93			74	124	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	124	
	1,1-Dichloroethane	20	19.7	ug/L	99			77	125	
	2-Butanone	100	95.6	ug/L	96			56	143	
	Carbon Tetrachloride	20	17.0	ug/L	85			72	136	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			78	123	
	Chloroform	20	19.1	ug/L	96			79	124	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	18.4	ug/L	92			79	120	
	1,2-Dichloroethane	20	18.4	ug/L	92			73	128	
	Trichloroethene	20	15.5	ug/L	78		*	79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	18.1	ug/L	91			79	125	
	4-Methyl-2-Pentanone	100	93.9	ug/L	94			67	130	
	Toluene	20	18.9	ug/L	95			80	121	
	t-1,3-Dichloropropene	20	18.1	ug/L	91			73	127	
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			75	124	
	1,1,2-Trichloroethane	20	18.2	ug/L	91			80	119	
	2-Hexanone	100	93.9	ug/L	94			57	139	
	Dibromochloromethane	20	17.5	ug/L	88			74	126	
	Tetrachloroethene	20	17.7	ug/L	89			74	129	
	Chlorobenzene	20	17.6	ug/L	88			82	118	
	Ethyl Benzene	20	18.4	ug/L	92			79	121	
	m/p-Xylenes	40	37.3	ug/L	93			80	121	
	o-Xylene	20	18.8	ug/L	94			78	122	
	Styrene	20	18.8	ug/L	94			78	123	
	Bromoform	20	16.6	ug/L	83			66	130	
	Isopropylbenzene	20	18.9	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/L	95			71	121	
	1,3-Dichlorobenzene	20	17.9	ug/L	90			80	119	
	1,4-Dichlorobenzene	20	17.7	ug/L	89			79	118	
	1,2-Dichlorobenzene	20	18.0	ug/L	90			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX043953.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1122WBS01	Chloromethane	20	20.8	ug/L	104			50	139	
	Vinyl chloride	20	20.8	ug/L	104			58	137	
	Bromomethane	20	21.5	ug/L	108			53	141	
	Chloroethane	20	23.4	ug/L	117			60	138	
	Trichlorofluoromethane	20	19.5	ug/L	98			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			70	136	
	1,1-Dichloroethene	20	20.4	ug/L	102			71	131	
	Acetone	100	99.9	ug/L	100			39	160	
	Carbon disulfide	20	17.0	ug/L	85			64	133	
	Methyl tert-butyl Ether	20	21.5	ug/L	108			71	124	
	Methylene Chloride	20	20.7	ug/L	104			74	124	
	trans-1,2-Dichloroethene	20	20.9	ug/L	104			75	124	
	1,1-Dichloroethane	20	21.2	ug/L	106			77	125	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.9	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			78	123	
	Chloroform	20	21.6	ug/L	108			79	124	
	1,1,1-Trichloroethane	20	21.4	ug/L	107			74	131	
	Methylcyclohexane	20	18.6	ug/L	93			72	132	
	Benzene	20	20.3	ug/L	102			79	120	
	1,2-Dichloroethane	20	20.7	ug/L	104			73	128	
	Trichloroethene	20	17.0	ug/L	85			79	123	
	1,2-Dichloropropane	20	21.0	ug/L	105			78	122	
	Bromodichloromethane	20	19.9	ug/L	100			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	20.4	ug/L	102			80	121	
	t-1,3-Dichloropropene	20	20.0	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	18.7	ug/L	94			74	126	
	Tetrachloroethene	20	20.3	ug/L	102			74	129	
	Chlorobenzene	20	19.9	ug/L	100			82	118	
	Ethyl Benzene	20	20.4	ug/L	102			79	121	
	m/p-Xylenes	40	40.3	ug/L	101			80	121	
	o-Xylene	20	20.7	ug/L	104			78	122	
	Styrene	20	20.6	ug/L	103			78	123	
	Bromoform	20	16.9	ug/L	85			66	130	
	Isopropylbenzene	20	21.1	ug/L	106			72	131	
	1,1,2,2-Tetrachloroethane	20	21.6	ug/L	108			71	121	
	1,3-Dichlorobenzene	20	20.6	ug/L	103			80	119	
	1,4-Dichlorobenzene	20	20.0	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	20.7	ug/L	104			80	119	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1121WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P4934

SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043934.D

Lab Sample ID: VX1121WBL01

Date Analyzed: 11/21/2024

Time Analyzed: 14:50

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
VX1121WBS01	VX1121WBS01	VX043935.D	11/21/2024
TB-01-20241118	P4934-01	VX043938.D	11/21/2024
FB-01-20241119	P4934-09	VX043939.D	11/21/2024
RB-01-20241119	P4934-11	VX043940.D	11/21/2024
BPOW6-11-20241118	P4934-02	VX043941.D	11/21/2024
BPOW6-7-20241118	P4934-03	VX043942.D	11/21/2024
BPOW6-9-20241119	P4934-08	VX043943.D	11/21/2024
BPOW6-8-20241119	P4934-10	VX043944.D	11/21/2024
DUP-01-20241118	P4934-04	VX043945.D	11/21/2024
DUP-02-20241119	P4934-12	VX043946.D	11/21/2024
BPOW6-10-20241119	P4934-05	VX043947.D	11/21/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1122WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P4934

SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043952.D

Lab Sample ID: VX1122WBL01

Date Analyzed: 11/22/2024

Time Analyzed: 12:13

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
VX1122WBS01	VX1122WBS01	VX043953.D	11/22/2024
BPOW6-10-20241119MS	P4934-06MS	VX043973.D	11/22/2024
BPOW6-10-20241119MSD	P4934-07MSD	VX043974.D	11/22/2024

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934
Lab File ID: VX043924.D BFB Injection Date: 11/21/2024
Instrument ID: MSVOA_X BFB Injection Time: 08:51
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	54.2
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.8 (6.8) 1
176	95.0 - 101.0% of mass 174	67.9 (96.4) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 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	VX043925.D	11/21/2024	09:47
VSTDIC005	VSTDIC005	VX043926.D	11/21/2024	10:14
VSTDIC020	VSTDIC020	VX043927.D	11/21/2024	10:37
VSTDIC050	VSTDIC050	VX043928.D	11/21/2024	11:17
VSTDIC100	VSTDIC100	VX043929.D	11/21/2024	11:40
VSTDIC150	VSTDIC150	VX043930.D	11/21/2024	12:03
VX1121WBL01	VX1121WBL01	VX043934.D	11/21/2024	14:50
VX1121WBS01	VX1121WBS01	VX043935.D	11/21/2024	15:13
TB-01-20241118	P4934-01	VX043938.D	11/21/2024	16:27
FB-01-20241119	P4934-09	VX043939.D	11/21/2024	16:50
RB-01-20241119	P4934-11	VX043940.D	11/21/2024	17:13
BPOW6-11-20241118	P4934-02	VX043941.D	11/21/2024	17:36
BPOW6-7-20241118	P4934-03	VX043942.D	11/21/2024	17:59
BPOW6-9-20241119	P4934-08	VX043943.D	11/21/2024	18:23
BPOW6-8-20241119	P4934-10	VX043944.D	11/21/2024	18:46
DUP-01-20241118	P4934-04	VX043945.D	11/21/2024	19:09
DUP-02-20241119	P4934-12	VX043946.D	11/21/2024	19:32
BPOW6-10-20241119	P4934-05	VX043947.D	11/21/2024	19:55

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934
Lab File ID: VX043924.D BFB Injection Date: 11/21/2024
Instrument ID: MSVOA_X BFB Injection Time: 08:51
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	54.2
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.8 (6.8) 1
176	95.0 - 101.0% of mass 174	67.9 (96.4) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 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
VSTDCCC050EC	VSTDCCC050	VX043948.D	11/21/2024	20:18

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934
Lab File ID: VX043949.D BFB Injection Date: 11/22/2024
Instrument ID: MSVOA_X BFB Injection Time: 10:54
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	56.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	71 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX043950.D	11/22/2024	11:22
VX1122WBL01	VX1122WBL01	VX043952.D	11/22/2024	12:13
VX1122WBS01	VX1122WBS01	VX043953.D	11/22/2024	12:36
BPOW6-10-20241119MS	P4934-06MS	VX043973.D	11/22/2024	20:19
BPOW6-10-20241119MSD	P4934-07MSD	VX043974.D	11/22/2024	20:42
VSTDCCC050EC	VSTDCCC050	VX043975.D	11/22/2024	21:05

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934
Lab File ID: VX043928.D Date Analyzed: 11/21/2024
Instrument ID: MSVOA_X Time Analyzed: 11:17
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	138578	5.54	241629	6.76	212243	10.05
UPPER LIMIT	277156	6.038	483258	7.257	424486	10.549
LOWER LIMIT	69289	5.038	120815	6.257	106122	9.549
EPA SAMPLE NO.						
TB-01-20241118	113495	5.55	211780	6.76	190080	10.06
BPOW6-11-20241118	120827	5.54	229101	6.76	190728	10.06
BPOW6-7-20241118	120589	5.55	229817	6.76	203544	10.06
DUP-01-20241118	120506	5.54	229149	6.76	199026	10.06
BPOW6-10-20241119	110999	5.54	211108	6.76	188768	10.06
BPOW6-9-20241119	110330	5.55	206208	6.76	181398	10.06
FB-01-20241119	112214	5.54	209177	6.76	184189	10.06
BPOW6-8-20241119	120427	5.55	226777	6.76	198351	10.06
RB-01-20241119	113782	5.55	213883	6.76	191929	10.06
DUP-02-20241119	108515	5.55	209984	6.76	184320	10.06
VX1121WBL01	130697	5.54	247747	6.76	216577	10.05
VX1121WBS01	142766	5.54	267012	6.76	228045	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934
Lab File ID: VX043928.D Date Analyzed: 11/21/2024
Instrument ID: MSVOA_X Time Analyzed: 11:17
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	100316	12.024				
UPPER LIMIT	200632	12.524				
LOWER LIMIT	50158	11.524				
EPA SAMPLE NO.						
TB-01-20241118	80979	12.02				
BPOW6-11-20241118	77315	12.02				
BPOW6-7-20241118	86723	12.02				
DUP-01-20241118	80102	12.02				
BPOW6-10-20241119	77869	12.02				
BPOW6-9-20241119	69030	12.02				
FB-01-20241119	73264	12.02				
BPOW6-8-20241119	79775	12.02				
RB-01-20241119	78947	12.02				
DUP-02-20241119	74811	12.02				
VX1121WBL01	92124	12.02				
VX1121WBS01	103776	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934
Lab File ID: VX043950.D Date Analyzed: 11/22/2024
Instrument ID: MSVOA_X Time Analyzed: 11:22
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	119844	5.54	210147	6.75	179277	10.06
UPPER LIMIT	239688	6.038	420294	7.251	358554	10.555
LOWER LIMIT	59922	5.038	105074	6.251	89638.5	9.555
EPA SAMPLE NO.						
BPOW6-10-20241119MS	112356	5.54	212948	6.76	180718	10.05
BPOW6-10-20241119MSD	108873	5.55	198897	6.76	171140	10.06
VX1122WBL01	114313	5.54	223688	6.76	192949	10.06
VX1122WBS01	122957	5.54	229417	6.76	195535	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934
Lab File ID: VX043950.D Date Analyzed: 11/22/2024
Instrument ID: MSVOA_X Time Analyzed: 11:22
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	88069	12.018				
UPPER LIMIT	176138	12.518				
LOWER LIMIT	44034.5	11.518				
EPA SAMPLE NO.						
BPOW6-10-20241119MS	86103	12.02				
BPOW6-10-20241119MSD	79942	12.02				
VX1122WBL01	79805	12.02				
VX1122WBS01	86659	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:	VX1121WBL01		SDG No.:	P4934
Lab Sample ID:	VX1121WBL01		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
VX043934.D	1		11/21/24 14:50	VX112124

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:	VX1121WBL01		SDG No.:	P4934
Lab Sample ID:	VX1121WBL01		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
VX043934.D	1		11/21/24 14:50	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.5		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	131000	5.544				
540-36-3	1,4-Difluorobenzene	248000	6.757				
3114-55-4	Chlorobenzene-d5	217000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	92100	12.024				

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:	VX1122WBL01		SDG No.:	P4934
Lab Sample ID:	VX1122WBL01		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
VX043952.D	1		11/22/24 12:13	VX112224

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:	VX1122WBL01		SDG No.:	P4934
Lab Sample ID:	VX1122WBL01		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
VX043952.D	1		11/22/24 12:13	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.544				
540-36-3	1,4-Difluorobenzene	224000	6.757				
3114-55-4	Chlorobenzene-d5	193000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	79800	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:	VX1121WBS01		SDG No.:	P4934
Lab Sample ID:	VX1121WBS01		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
VX043935.D	1		11/21/24 15:13	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	19.4		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.5		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.7		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.3		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.26	0.75	1.00	ug/L
67-64-1	Acetone	90.6		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.4		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	95.6		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.9		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	18.9		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.4		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.4		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	15.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.1		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.9		0.75	2.50	5.00	ug/L
108-88-3	Toluene	18.9		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.1		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.18	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	93.9		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:	VX1121WBS01		SDG No.:	P4934
Lab Sample ID:	VX1121WBS01		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
VX043935.D	1		11/21/24 15:13	VX112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	17.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	17.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.8		0.14	0.50	1.00	ug/L
100-42-5	Styrene	18.8		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	16.6		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.9		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.7		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.0		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.8		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.543				
540-36-3	1,4-Difluorobenzene	267000	6.757				
3114-55-4	Chlorobenzene-d5	228000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	104000	12.024				

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:	VX1122WBS01		SDG No.:	P4934
Lab Sample ID:	VX1122WBS01		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
VX043953.D	1		11/22/24 12:36	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	20.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.8		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	21.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	23.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.4		0.26	0.75	1.00	ug/L
67-64-1	Acetone	99.9		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.5		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	20.7		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.9		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.2		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	21.6		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.4		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.6		0.19	0.50	1.00	ug/L
71-43-2	Benzene	20.3		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.0		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.9		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	20.4		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.1		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:	VX1122WBS01	SDG No.:	P4934	
Lab Sample ID:	VX1122WBS01	Matrix:	Water	
Analytical Method:	SW8260	% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	
Soil Aliquot Vol:			uL	
GC Column:	DB-624UI	ID :	0.18	
Prep Method :		Level :	LOW	
		Final Vol:	5000	uL
		Test:	VOCMS Group1	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043953.D	1		11/22/24 12:36	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.7		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	16.9		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.1		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.7		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123000	5.543				
540-36-3	1,4-Difluorobenzene	229000	6.757				
3114-55-4	Chlorobenzene-d5	196000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	86700	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:	11/19/24	
Project:	CTO WE13			Date Received:	11/20/24	
Client Sample ID:	BPOW6-10-20241119MS			SDG No.:	P4934	
Lab Sample ID:	P4934-06MS			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
VX043973.D	1		11/22/24 20:19	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	51.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	50.0		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	55.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	51.5		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	48.1		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	49.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	49.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	200		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	42.7		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	52.4		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	49.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	51.2		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.2		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	240		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	47.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	52.1		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	52.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	53.3		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	45.2		0.19	0.50	1.00	ug/L
71-43-2	Benzene	49.1		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	50.1		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	41.9		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	50.2		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	250		0.75	2.50	5.00	ug/L
108-88-3	Toluene	49.6		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	48.6		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	48.3		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	48.6		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	250		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	11/19/24	
Project:	CTO WE13			Date Received:	11/20/24	
Client Sample ID:	BPOW6-10-20241119MS			SDG No.:	P4934	
Lab Sample ID:	P4934-06MS			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
VX043973.D	1		11/22/24 20:19	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	48.7		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	46.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	48.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	50.0		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	100		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	51.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	52.4		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	43.1		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	48.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	48.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	46.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	46.8		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	47.6		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	112000	5.544				
540-36-3	1,4-Difluorobenzene	213000	6.757				
3114-55-4	Chlorobenzene-d5	181000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	86100	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:	11/19/24	
Project:	CTO WE13			Date Received:	11/20/24	
Client Sample ID:	BPOW6-10-20241119MSD			SDG No.:	P4934	
Lab Sample ID:	P4934-07MSD			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
VX043974.D	1		11/22/24 20:42	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	51.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	49.9		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	60.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	54.2		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	62.0		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.6		0.26	0.75	1.00	ug/L
67-64-1	Acetone	210		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	49.1		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	56.8		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	52.9		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	55.1		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	56.5		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	250		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	54.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	55.7		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	56.6		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	58.0		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	50.4		0.19	0.50	1.00	ug/L
71-43-2	Benzene	54.8		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	55.9		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	47.3		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	57.5		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	56.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	270		0.75	2.50	5.00	ug/L
108-88-3	Toluene	55.8		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	56.4		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	54.2		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	54.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	260		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/19/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	BPOW6-10-20241119MSD		SDG No.:	P4934	
Lab Sample ID:	P4934-07MSD		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
VX043974.D	1		11/22/24 20:42	VX112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	56.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	51.6		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	53.5		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	55.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	55.8		0.14	0.50	1.00	ug/L
100-42-5	Styrene	56.4		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	48.1		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	54.2		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	54.8		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	52.9		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	52.6		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.5		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	54.7		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	54.5		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.549				
540-36-3	1,4-Difluorobenzene	199000	6.757				
3114-55-4	Chlorobenzene-d5	171000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	79900	12.018				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4934</u>
Instrument ID:	<u>MSVOA_X</u>	SAS No.:	<u>P4934</u>
Heated Purge: (Y/N)	<u>N</u>	SDG No.:	<u>P4934</u>
GC Column:	<u>DB-624UI</u>	Calibration Date(s):	<u>11/21/2024</u>
ID:	<u>0.18 (mm)</u>	Calibration Time(s):	<u>09:47</u>
			<u>12:03</u>

LAB FILE ID:	RRF001 = VX043925.D	RRF005 = VX043926.D	RRF020 = VX043927.D	RRF050 = VX043928.D	RRF100 = VX043929.D	RRF150 = VX043930.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.3
Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.6
Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	2
Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.9
Trichlorofluoromethane	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.3
1,1,2-Trichlorotrifluoroethane	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.5
1,1-Dichloroethene	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.4
Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.4
Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.6
Methyl tert-butyl Ether	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.5
Methylene Chloride	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.3
trans-1,2-Dichloroethene	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.7
1,1-Dichloroethane	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.6
2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.1
Carbon Tetrachloride	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.7
cis-1,2-Dichloroethene	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.8
Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.4
1,1,1-Trichloroethane	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.9
Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.9
Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7
1,2-Dichloroethane	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.4
Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.5
1,2-Dichloropropane	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.8
Bromodichloromethane	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.4
4-Methyl-2-Pentanone	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.4
Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12
t-1,3-Dichloropropene	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.2
cis-1,3-Dichloropropene	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.4
1,1,2-Trichloroethane	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.1
2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.5

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03

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

LAB FILE ID:		RRF001 = VX043925.D		RRF005 = VX043926.D		RRF020 = VX043927.D			
		RRF050 = VX043928.D		RRF100 = VX043929.D		RRF150 = VX043930.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dibromochloromethane	0.249	0.292	0.344	0.396	0.380	0.401	0.344	18	
Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.1	
Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.1	
Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.2	
m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.6	
o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.7	
Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.5	
Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.9	
Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.3	
1,1,2,2-Tetrachloroethane	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.7	
1,3-Dichlorobenzene	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.9	
1,4-Dichlorobenzene	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.1	
1,2-Dichlorobenzene	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.8	
1,2-Dichloroethane-d4		0.926	0.876	0.751	0.855	0.880	0.858	7.6	
Dibromofluoromethane		0.371	0.353	0.327	0.359	0.376	0.357	5.4	
Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.6	
4-Bromofluorobenzene		0.401	0.414	0.387	0.438	0.455	0.419	6.6	

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/21/2024 20:18

Lab File ID: VX043948.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.667	0.697	0.1	4.5	50
Vinyl Chloride	0.709	0.706		-0.42	50
Bromomethane	0.436	0.421		-3.44	50
Chloroethane	0.432	0.403		-6.71	50
Trichlorofluoromethane	1.268	1.142		-9.94	50
1,1,2-Trichlorotrifluoroethane	0.605	0.548		-9.42	50
1,1-Dichloroethene	0.576	0.550		-4.51	50
Acetone	0.394	0.312		-20.81	50
Carbon Disulfide	1.188	1.054		-11.28	50
Methyl tert-butyl Ether	2.092	2.128		1.72	50
Methylene Chloride	0.668	0.639		-4.34	50
trans-1,2-Dichloroethene	0.595	0.587		-1.35	50
1,1-Dichloroethane	1.161	1.175	0.1	1.21	50
2-Butanone	0.508	0.482		-5.12	50
Carbon Tetrachloride	0.500	0.458		-8.4	50
cis-1,2-Dichloroethene	0.735	0.740		0.68	50
Chloroform	1.249	1.251		0.16	50
1,1,1-Trichloroethane	1.077	1.078		0.09	50
Methylcyclohexane	0.578	0.507		-12.28	50
Benzene	1.387	1.328		-4.25	50
1,2-Dichloroethane	0.557	0.528		-5.21	50
Trichloroethene	0.393	0.327		-16.79	50
1,2-Dichloropropane	0.340	0.333		-2.06	50
Bromodichloromethane	0.482	0.468		-2.9	50
4-Methyl-2-Pentanone	0.537	0.526		-2.05	50
Toluene	0.830	0.807		-2.77	50
t-1,3-Dichloropropene	0.491	0.468		-4.68	50
cis-1,3-Dichloropropene	0.539	0.513		-4.82	50
1,1,2-Trichloroethane	0.343	0.325		-5.25	50
2-Hexanone	0.403	0.387		-3.97	50
Dibromochloromethane	0.344	0.326		-5.23	50
Tetrachloroethene	0.330	0.303		-8.18	50
Chlorobenzene	1.098	1.042	0.3	-5.1	50
Ethyl Benzene	1.861	1.802		-3.17	50
m/p-Xylenes	0.694	0.662		-4.61	50
o-Xylene	0.678	0.664		-2.07	50
Styrene	1.121	1.112		-0.8	50
Bromoform	0.240	0.231	0.1	-3.75	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.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/21/2024 20:18

Lab File ID: VX043948.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.843	3.715		-3.33	50
1,1,2,2-Tetrachloroethane	1.316	1.276	0.3	-3.04	50
1,3-Dichlorobenzene	1.670	1.554		-6.95	50
1,4-Dichlorobenzene	1.702	1.549		-8.99	50
1,2-Dichlorobenzene	1.685	1.619		-3.92	50
1,2-Dichloroethane-d4	0.858	0.898		4.66	50
Dibromofluoromethane	0.357	0.357		0	50
Toluene-d8	1.232	1.228		-0.32	50
4-Bromofluorobenzene	0.419	0.423		0.95	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.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.667	0.733	0.1	9.9	20
Vinyl Chloride	0.709	0.742		4.65	20
Bromomethane	0.436	0.458		5.05	20
Chloroethane	0.432	0.419		-3.01	20
Trichlorofluoromethane	1.268	1.478		16.56	20
1,1,2-Trichlorotrifluoroethane	0.605	0.652		7.77	20
1,1-Dichloroethene	0.576	0.586		1.74	20
Acetone	0.394	0.395		0.25	20
Carbon Disulfide	1.188	1.132		-4.71	20
Methyl tert-butyl Ether	2.092	2.228		6.5	20
Methylene Chloride	0.668	0.684		2.39	20
trans-1,2-Dichloroethene	0.595	0.624		4.87	20
1,1-Dichloroethane	1.161	1.252	0.1	7.84	20
2-Butanone	0.508	0.528		3.94	20
Carbon Tetrachloride	0.500	0.540		8	20
cis-1,2-Dichloroethene	0.735	0.765		4.08	20
Chloroform	1.249	1.325		6.09	20
1,1,1-Trichloroethane	1.077	1.175		9.1	20
Methylcyclohexane	0.578	0.634		9.69	20
Benzene	1.387	1.498		8	20
1,2-Dichloroethane	0.557	0.607		8.98	20
Trichloroethene	0.393	0.368		-6.36	20
1,2-Dichloropropane	0.340	0.374		10	20
Bromodichloromethane	0.482	0.527		9.34	20
4-Methyl-2-Pentanone	0.537	0.578		7.64	20
Toluene	0.830	0.912		9.88	20
t-1,3-Dichloropropene	0.491	0.540		9.98	20
cis-1,3-Dichloropropene	0.539	0.582		7.98	20
1,1,2-Trichloroethane	0.343	0.359		4.66	20
2-Hexanone	0.403	0.435		7.94	20
Dibromochloromethane	0.344	0.370		7.56	20
Tetrachloroethene	0.330	0.358		8.48	20
Chlorobenzene	1.098	1.156	0.3	5.28	20
Ethyl Benzene	1.861	2.060		10.69	20
m/p-Xylenes	0.694	0.769		10.81	20
o-Xylene	0.678	0.748		10.32	20
Styrene	1.121	1.258		12.22	20
Bromoform	0.240	0.263	0.1	9.58	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.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.843	4.000		4.09	20
1,1,2,2-Tetrachloroethane	1.316	1.353	0.3	2.81	20
1,3-Dichlorobenzene	1.670	1.740		4.19	20
1,4-Dichlorobenzene	1.702	1.754		3.06	20
1,2-Dichlorobenzene	1.685	1.762		4.57	20
1,2-Dichloroethane-d4	0.858	0.843		-1.75	20
Dibromofluoromethane	0.357	0.359		0.56	20
Toluene-d8	1.232	1.251		1.54	20
4-Bromofluorobenzene	0.419	0.433		3.34	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.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.667	0.604	0.1	-9.44	50
Vinyl Chloride	0.709	0.633		-10.72	50
Bromomethane	0.436	0.468		7.34	50
Chloroethane	0.432	0.412		-4.63	50
Trichlorofluoromethane	1.268	1.357		7.02	50
1,1,2-Trichlorotrifluoroethane	0.605	0.544		-10.08	50
1,1-Dichloroethene	0.576	0.528		-8.33	50
Acetone	0.394	0.292		-25.89	50
Carbon Disulfide	1.188	1.034		-12.96	50
Methyl tert-butyl Ether	2.092	2.090		-0.1	50
Methylene Chloride	0.668	0.624		-6.59	50
trans-1,2-Dichloroethene	0.595	0.569		-4.37	50
1,1-Dichloroethane	1.161	1.155	0.1	-0.52	50
2-Butanone	0.508	0.453		-10.83	50
Carbon Tetrachloride	0.500	0.488		-2.4	50
cis-1,2-Dichloroethene	0.735	0.728		-0.95	50
Chloroform	1.249	1.246		-0.24	50
1,1,1-Trichloroethane	1.077	1.102		2.32	50
Methylcyclohexane	0.578	0.512		-11.42	50
Benzene	1.387	1.324		-4.54	50
1,2-Dichloroethane	0.557	0.541		-2.87	50
Trichloroethene	0.393	0.317		-19.34	50
1,2-Dichloropropane	0.340	0.329		-3.23	50
Bromodichloromethane	0.482	0.474		-1.66	50
4-Methyl-2-Pentanone	0.537	0.509		-5.21	50
Toluene	0.830	0.802		-3.37	50
t-1,3-Dichloropropene	0.491	0.480		-2.24	50
cis-1,3-Dichloropropene	0.539	0.525		-2.6	50
1,1,2-Trichloroethane	0.343	0.324		-5.54	50
2-Hexanone	0.403	0.376		-6.7	50
Dibromochloromethane	0.344	0.327		-4.94	50
Tetrachloroethene	0.330	0.305		-7.58	50
Chlorobenzene	1.098	1.047	0.3	-4.64	50
Ethyl Benzene	1.861	1.812		-2.63	50
m/p-Xylenes	0.694	0.689		-0.72	50
o-Xylene	0.678	0.676		-0.29	50
Styrene	1.121	1.146		2.23	50
Bromoform	0.240	0.239	0.1	-0.42	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.843	3.785		-1.51	50
1,1,2,2-Tetrachloroethane	1.316	1.298	0.3	-1.37	50
1,3-Dichlorobenzene	1.670	1.571		-5.93	50
1,4-Dichlorobenzene	1.702	1.595		-6.29	50
1,2-Dichlorobenzene	1.685	1.612		-4.33	50
1,2-Dichloroethane-d4	0.858	0.889		3.61	50
Dibromofluoromethane	0.357	0.358		0.28	50
Toluene-d8	1.232	1.216		-1.3	50
4-Bromofluorobenzene	0.419	0.417		-0.48	50

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