

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	TB01-20241118	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	DUP01-20241118	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	FB01-20241119	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	RB01-20241119	Water	VOCMS Group1	8260-Low	11/19/24		11/21/24	11/20/24
P4934-12	DUP02-20241119	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:	TB01-20241118								
P4934-01	TB01-20241118	Water	Chloromethane	0.43	J	0.35	0.50	1.00	ug/L
P4934-01	TB01-20241118	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:	DUP01-20241118								
P4934-04	DUP01-20241118	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:	FB01-20241119								
P4934-09	FB01-20241119	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:	RB01-20241119								
P4934-11	RB01-20241119	Water	Chloromethane	0.37	J	0.35	0.50	1.00	ug/L
P4934-11	RB01-20241119	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:	DUP02-20241119								
P4934-12	DUP02-20241119	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:	TB01-20241118		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	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:	11/18/24		
Project:	CTO WE13			Date Received:	11/20/24		
Client Sample ID:	TB01-20241118			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:	TB01-20241118		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:	DUP01-20241118		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	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:	11/18/24	
Project:	CTO WE13		Date Received:	11/20/24	
Client Sample ID:	DUP01-20241118		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:	DUP01-20241118		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:	FB01-20241119			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	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:	FB01-20241119			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:	FB01-20241119		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:	RB01-20241119			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	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:	RB01-20241119			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:	RB01-20241119		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:	DUP02-20241119			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	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:	DUP02-20241119		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:	DUP02-20241119		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	TB01-20241118	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	DUP01-20241118	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	FB01-20241119	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	RB01-20241119	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	DUP02-20241119	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

		Sample				Rec	RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
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		Low	High	RPD
		Result			Qual	RPD	Qual				
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
TB01-20241118	P4934-01	VX043938.D	11/21/2024
FB01-20241119	P4934-09	VX043939.D	11/21/2024
RB01-20241119	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
DUP01-20241118	P4934-04	VX043945.D	11/21/2024
DUP02-20241119	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
TB01-20241118	P4934-01	VX043938.D	11/21/2024	16:27
FB01-20241119	P4934-09	VX043939.D	11/21/2024	16:50
RB01-20241119	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
DUP01-20241118	P4934-04	VX043945.D	11/21/2024	19:09
DUP02-20241119	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.						
TB01-20241118	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
DUP01-20241118	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
FB01-20241119	112214	5.54	209177	6.76	184189	10.06
BPOW6-8-20241119	120427	5.55	226777	6.76	198351	10.06
RB01-20241119	113782	5.55	213883	6.76	191929	10.06
DUP02-20241119	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.						
TB01-20241118	80979	12.02				
BPOW6-11-20241118	77315	12.02				
BPOW6-7-20241118	86723	12.02				
DUP01-20241118	80102	12.02				
BPOW6-10-20241119	77869	12.02				
BPOW6-9-20241119	69030	12.02				
FB01-20241119	73264	12.02				
BPOW6-8-20241119	79775	12.02				
RB01-20241119	78947	12.02				
DUP02-20241119	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	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
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.

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
P4934-02	BPOW6-11-20241118	Water	SVOC-SIMGroup1	8270-Modified	11/18/24	11/21/24	11/25/24	11/20/24
P4934-03	BPOW6-7-20241118	Water	SVOC-SIMGroup1	8270-Modified	11/18/24	11/21/24	11/21/24	11/20/24
P4934-04	DUP01-20241118	Water	SVOC-SIMGroup1	8270-Modified	11/18/24	11/21/24	11/21/24	11/20/24
P4934-05	BPOW6-10-20241119	Water	SVOC-SIMGroup1	8270-Modified	11/19/24	11/21/24	11/25/24	11/20/24
P4934-08	BPOW6-9-20241119	Water	SVOC-SIMGroup1	8270-Modified	11/19/24	11/21/24	11/21/24	11/20/24
P4934-09	FB01-20241119	Water	SVOC-SIMGroup1	8270-Modified	11/19/24	11/21/24	11/21/24	11/20/24
P4934-10	BPOW6-8-20241119	Water	SVOC-SIMGroup1	8270-Modified	11/19/24	11/21/24	11/21/24	11/20/24
P4934-11	RB01-20241119	Water	SVOC-SIMGroup1	8270-Modified	11/19/24	11/21/24	11/21/24	11/20/24
P4934-12	DUP02-20241119	Water	SVOC-SIMGroup1	8270-Modified	11/19/24	11/21/24	11/21/24	11/20/24



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

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 :				0.000					
Total Svoc :					0.00				
Total Concentration:					0.00				



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:	BPOW6-11-20241118	SDG No.:	P4934
Lab Sample ID:	P4934-02	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035286.D	1	11/21/24 08:27	11/25/24 16:20	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	U	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		109%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.18	*	55 - 111		44%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.25		53 - 106		63%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.62	*	58 - 132		155%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3260	7.315				
1146-65-2	Naphthalene-d8	7990	10.063				
15067-26-2	Acenaphthene-d10	4580	13.976				
1517-22-2	Phenanthrene-d10	10700	16.734				
1719-03-5	Chrysene-d12	870	21.008				
1520-96-3	Perylene-d12	5340	23.078				

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:	SW8270SIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035228.D	1	11/21/24 08:27	11/21/24 18:48	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.21	*	55 - 111		52%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.086	*	53 - 106		22%	SPK: 0.4
1718-51-0	Terphenyl-d14	2.63	*	58 - 132		657%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2650		7.322			
1146-65-2	Naphthalene-d8	6010		10.073			
15067-26-2	Acenaphthene-d10	3780		13.987			
1517-22-2	Phenanthrene-d10	8220		16.746			
1719-03-5	Chrysene-d12	1600		21.008			
1520-96-3	Perylene-d12	7370		23.098			

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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:	DUP01-20241118		SDG No.:	P4934	
Lab Sample ID:	P4934-04		Matrix:	Water	
Analytical Method:	SW8270SIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035229.D	1	11/21/24 08:27	11/21/24 19:24	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.18	*	55 - 111		45%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.061	*	53 - 106		15%	SPK: 0.4
1718-51-0	Terphenyl-d14	2.81	*	58 - 132		702%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2750		7.322			
1146-65-2	Naphthalene-d8	6690		10.073			
15067-26-2	Acenaphthene-d10	4330		13.976			
1517-22-2	Phenanthrene-d10	8620		16.746			
1719-03-5	Chrysene-d12	1170		21.008			
1520-96-3	Perylene-d12	5970		23.095			

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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:	SW8270SIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035287.D	1	11/21/24 08:27	11/25/24 16:56	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	UM	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.41		30 - 150		101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.19	*	55 - 111		48%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.76	*	58 - 132		189%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3380	7.315				
1146-65-2	Naphthalene-d8	8190	10.063				
15067-26-2	Acenaphthene-d10	4840	13.966				
1517-22-2	Phenanthrene-d10	10300	16.734				
1719-03-5	Chrysene-d12	824	21.008				
1520-96-3	Perylene-d12	5050	23.081				

U = Not Detected

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MDL = Method Detection Limit

LOD = Limit of Detection

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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:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035230.D	1	11/21/24 08:27	11/21/24 20:00	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.19	*	55 - 111		47%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.072	*	53 - 106		18%	SPK: 0.4
1718-51-0	Terphenyl-d14	2.67	*	58 - 132		668%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2760		7.322			
1146-65-2	Naphthalene-d8	6460		10.073			
15067-26-2	Acenaphthene-d10	4130		13.976			
1517-22-2	Phenanthrene-d10	8430		16.746			
1719-03-5	Chrysene-d12	1400		21.008			
1520-96-3	Perylene-d12	6100		23.095			

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:	FB01-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-09		Matrix:	Water	
Analytical Method:	SW8270SIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035231.D	1	11/21/24 08:27	11/21/24 20:36	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.21	*	55 - 111		53%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.070	*	53 - 106		17%	SPK: 0.4
1718-51-0	Terphenyl-d14	4.71	*	58 - 132		1178%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2670	7.322				
1146-65-2	Naphthalene-d8	6150	10.073				
15067-26-2	Acenaphthene-d10	3900	13.976				
1517-22-2	Phenanthrene-d10	8030	16.746				
1719-03-5	Chrysene-d12	1050	21.008				
1520-96-3	Perylene-d12	5730	23.098				

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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:	SW8270SIM		% Solid:	0
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035233.D	1	11/21/24 08:27	11/21/24 21:49	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.19	*	55 - 111		48%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.083	*	53 - 106		21%	SPK: 0.4
1718-51-0	Terphenyl-d14	3.68	*	58 - 132		919%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2750		7.322			
1146-65-2	Naphthalene-d8	6710		10.073			
15067-26-2	Acenaphthene-d10	4350		13.983			
1517-22-2	Phenanthrene-d10	9380		16.753			
1719-03-5	Chrysene-d12	1390		21.006			
1520-96-3	Perylene-d12	5770		23.096			

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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:	RB01-20241119		SDG No.:	P4934
Lab Sample ID:	P4934-11		Matrix:	Water
Analytical Method:	SW8270SIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035232.D	1	11/21/24 08:27	11/21/24 21:12	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.20	*	55 - 111		49%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.063	*	53 - 106		16%	SPK: 0.4
1718-51-0	Terphenyl-d14	4.19	*	58 - 132		1048%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2950		7.322			
1146-65-2	Naphthalene-d8	7120		10.073			
15067-26-2	Acenaphthene-d10	4660		13.976			
1517-22-2	Phenanthrene-d10	9460		16.746			
1719-03-5	Chrysene-d12	1180		21.008			
1520-96-3	Perylene-d12	6120		23.095			

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B = Analyte Found in Associated Method Blank

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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:	DUP02-20241119		SDG No.:	P4934	
Lab Sample ID:	P4934-12		Matrix:	Water	
Analytical Method:	SW8270SIM		% Solid:	0	
Sample Wt/Vol:	990	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035234.D	1	11/21/24 08:27	11/21/24 22:25	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.19	*	55 - 111		47%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.063	*	53 - 106		16%	SPK: 0.4
1718-51-0	Terphenyl-d14	4.65	*	58 - 132		1163%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2770		7.322			
1146-65-2	Naphthalene-d8	6430		10.073			
15067-26-2	Acenaphthene-d10	3950		13.976			
1517-22-2	Phenanthrene-d10	8350		16.746			
1719-03-5	Chrysene-d12	946		21.008			
1520-96-3	Perylene-d12	7190		23.095			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: **P4934**

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

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4934-02	BPOW6-11-20241118	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
		Nitrobenzene-d5	0.4	0.18	44	*	55	111
		2-Fluorobiphenyl	0.4	0.25	63		53	106
		Terphenyl-d14	0.4	0.62	155	*	58	132
P4934-03	BPOW6-7-20241118	2-Methylnaphthalene-d10	0.4	0.29	74		30	150
		Fluoranthene-d10	0.4	0.39	96		30	150
		Nitrobenzene-d5	0.4	0.21	52	*	55	111
		2-Fluorobiphenyl	0.4	0.086	22	*	53	106
		Terphenyl-d14	0.4	2.63	657	*	58	132
P4934-04	DUP01-20241118	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.18	45	*	55	111
		2-Fluorobiphenyl	0.4	0.061	15	*	53	106
		Terphenyl-d14	0.4	2.81	702	*	58	132
P4934-05	BPOW6-10-20241119	2-Methylnaphthalene-d10	0.4	0.41	101		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.19	48	*	55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.76	189	*	58	132
P4934-06MS	BPOW6-10-20241119MS	2-Methylnaphthalene-d10	0.4	0.39	97		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.20	50	*	55	111
		2-Fluorobiphenyl	0.4	0.15	36	*	53	106
		Terphenyl-d14	0.4	0.77	192	*	58	132
P4934-07MSD	BPOW6-10-20241119MSD	2-Methylnaphthalene-d10	0.4	0.41	101		30	150
		Fluoranthene-d10	0.4	0.43	106		30	150
		Nitrobenzene-d5	0.4	0.21	51	*	55	111
		2-Fluorobiphenyl	0.4	0.26	65		53	106
		Terphenyl-d14	0.4	0.87	216	*	58	132
P4934-08	BPOW6-9-20241119	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.19	47	*	55	111
		2-Fluorobiphenyl	0.4	0.072	18	*	53	106
		Terphenyl-d14	0.4	2.67	668	*	58	132
P4934-09	FB01-20241119	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.21	53	*	55	111
		2-Fluorobiphenyl	0.4	0.070	17	*	53	106
		Terphenyl-d14	0.4	4.71	1178	*	58	132
P4934-10	BPOW6-8-20241119	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.19	48	*	55	111
		2-Fluorobiphenyl	0.4	0.083	21	*	53	106
		Terphenyl-d14	0.4	3.68	919	*	58	132
P4934-11	RB01-20241119	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.20	49	*	55	111
		2-Fluorobiphenyl	0.4	0.063	16	*	53	106
		Terphenyl-d14	0.4	4.19	1048	*	58	132
P4934-12	DUP02-20241119	2-Methylnaphthalene-d10	0.4	0.27	68		30	150

Surrogate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4934-12	DUP02-20241119	Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.19	47	*	55	111
		2-Fluorobiphenyl	0.4	0.063	16	*	53	106
		Terphenyl-d14	0.4	4.65	1163	*	58	132
PB165150BL	PB165150BL	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.20	50	*	55	111
		2-Fluorobiphenyl	0.4	0.73	183	*	53	106
PB165150BS	PB165150BS	Terphenyl-d14	0.4	0.32	79		58	132
		2-Methylnaphthalene-d10	0.4	0.48	121		30	150
		Fluoranthene-d10	0.4	0.35	87		30	150
		Nitrobenzene-d5	0.4	0.23	57		55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.46	115		58	132



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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: P4934
Client: Tetra Tech NUS, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4934-06MS	Client Sample ID:	BPOW6-10-20241119MS					DataFile:	BN035288.D		
1,4-Dioxane	0.4	0	0.20	ug/L	50	*			70	130	



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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: P4934
Client: Tetra Tech NUS, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4934-07MSD		Client Sample ID:	BPOW6-10-20241119MSD					DataFile:	BN035289.D		
1,4-Dioxane	0.41	0	0.22	ug/L	54	*	8		70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN035290.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165150BS	1,4-Dioxane	0.4	0.45	ug/L	113				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165150BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P4934

SAS No.: P4934 SDG NO.: P4934

Lab File ID: BN035285.D

Lab Sample ID: PB165150BL

Instrument ID: BNA_N

Date Extracted: 11/21/2024

Matrix: (soil/water) Water

Date Analyzed: 11/25/2024

Level: (low/med) LOW

Time Analyzed: 15:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BPOW6-11-20241118	P4934-02	BN035286.D	11/25/2024
BPOW6-10-20241119	P4934-05	BN035287.D	11/25/2024
BPOW6-10-20241119MS	P4934-06MS	BN035288.D	11/25/2024
BPOW6-10-20241119MSD	P4934-07MSD	BN035289.D	11/25/2024
PB165150BS	PB165150BS	BN035290.D	11/25/2024
BPOW6-7-20241118	P4934-03	BN035228.D	11/21/2024
DUP01-20241118	P4934-04	BN035229.D	11/21/2024
BPOW6-9-20241119	P4934-08	BN035230.D	11/21/2024
FB01-20241119	P4934-09	BN035231.D	11/21/2024
RB01-20241119	P4934-11	BN035232.D	11/21/2024
BPOW6-8-20241119	P4934-10	BN035233.D	11/21/2024
DUP02-20241119	P4934-12	BN035234.D	11/21/2024

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: P4934

SDG NO.: P4934

Lab File ID: BN035061.D

DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_N

DFTPP Injection Time: 12:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	19.6
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	29.1
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	35.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	9.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	11.2 (19) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN035062.D	11/13/2024	12:40
SSTDICC0.2	SSTDICC0.2	BN035063.D	11/13/2024	13:16
SSTDICCC0.4	SSTDICCC0.4	BN035064.D	11/13/2024	13:52
SSTDICC0.8	SSTDICC0.8	BN035065.D	11/13/2024	14:28
SSTDICC1.6	SSTDICC1.6	BN035066.D	11/13/2024	15:04
SSTDICC3.2	SSTDICC3.2	BN035067.D	11/13/2024	15:39
SSTDICC5.0	SSTDICC5.0	BN035068.D	11/13/2024	16:15

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: P4934

SDG NO.: P4934

Lab File ID: BN035218.D

DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_N

DFTPP Injection Time: 12:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.4
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	30.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.7 (18.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN035219.D	11/21/2024	13:22
BPOW6-7-20241118	P4934-03	BN035228.D	11/21/2024	18:48
DUP01-20241118	P4934-04	BN035229.D	11/21/2024	19:24
BPOW6-9-20241119	P4934-08	BN035230.D	11/21/2024	20:00
FB01-20241119	P4934-09	BN035231.D	11/21/2024	20:36
RB01-20241119	P4934-11	BN035232.D	11/21/2024	21:12
BPOW6-8-20241119	P4934-10	BN035233.D	11/21/2024	21:49
DUP02-20241119	P4934-12	BN035234.D	11/21/2024	22:25
SSTDCCC0.4EC	SSTDCCC0.4	BN035235.D	11/21/2024	23:01

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: P4934

SDG NO.: P4934

Lab File ID: BN035276.D

DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_N

DFTPP Injection Time: 09:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	30.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	10.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.3 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN035277.D	11/25/2024	10:16
SSTDICC0.2	SSTDICC0.2	BN035278.D	11/25/2024	10:52
SSTDICCC0.4	SSTDICCC0.4	BN035279.D	11/25/2024	11:28
SSTDICC0.8	SSTDICC0.8	BN035280.D	11/25/2024	12:04
SSTDICC1.6	SSTDICC1.6	BN035281.D	11/25/2024	12:40
SSTDICC3.2	SSTDICC3.2	BN035282.D	11/25/2024	13:16
SSTDICC5.0	SSTDICC5.0	BN035283.D	11/25/2024	13:52
PB165150BL	PB165150BL	BN035285.D	11/25/2024	15:44
BPOW6-11-20241118	P4934-02	BN035286.D	11/25/2024	16:20
BPOW6-10-20241119	P4934-05	BN035287.D	11/25/2024	16:56
BPOW6-10-20241119MS	P4934-06MS	BN035288.D	11/25/2024	17:32
BPOW6-10-20241119MSD	P4934-07MSD	BN035289.D	11/25/2024	18:08
PB165150BS	PB165150BS	BN035290.D	11/25/2024	18:44
SSTDCCC0.4EC	SSTDCCC0.4	BN035291.D	11/25/2024	19:20

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/21/2024

Lab File ID: BN035219.D Time Analyzed: 13:22

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	3553	7.329	8594	10.07	5839	13.99
UPPER LIMIT	7106	7.829	17188	10.573	11678	14.487
LOWER LIMIT	1776.5	6.829	4297	9.573	2919.5	13.487
EPA SAMPLE NO.						
01 BPOW6-7-20241118	2646	7.32	6014	10.07	3783	13.99
02 DUP01-20241118	2749	7.32	6688	10.07	4330	13.98
03 BPOW6-9-20241119	2756	7.32	6458	10.07	4128	13.98
04 FB01-20241119	2669	7.32	6148	10.07	3898	13.98
05 BPOW6-8-20241119	2753	7.32	6705	10.07	4351	13.98
06 RB01-20241119	2945	7.32	7124	10.07	4659	13.98
07 DUP02-20241119	2771	7.32	6431	10.07	3947	13.98

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/21/2024

Lab File ID: BN035219.D Time Analyzed: 13:22

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	13132	16.746	2179	21.008	7936	23.104
UPPER LIMIT	26264	17.246	4358	21.508	15872	23.604
LOWER LIMIT	6566	16.246	1089.5	20.508	3968	22.604
EPA SAMPLE NO.						
01 BPOW6-7-20241118	8215	16.75	1596	21.01	7371	23.10
02 DUP01-20241118	8619	16.75	1170	21.01	5974	23.10
03 BPOW6-9-20241119	8432	16.75	1400	21.01	6097	23.10
04 FB01-20241119	8027	16.75	1052 *	21.01	5733	23.10
05 BPOW6-8-20241119	9377	16.75	1394	21.01	5766	23.10
06 RB01-20241119	9464	16.75	1183	21.01	6123	23.10
07 DUP02-20241119	8351	16.75	946 *	21.01	7194	23.10

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 11/25/2024

Lab File ID: BN035279.D Time Analyzed: 11:28

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	2200	7.315	5326	10.06	2947	13.98
UPPER LIMIT	4400	7.815	10652	10.563	5894	14.476
LOWER LIMIT	1100	6.815	2663	9.563	1473.5	13.476
EPA SAMPLE NO.						
01 BPOW6-11-20241118	3259	7.32	7991	10.06	4583	13.98
02 BPOW6-10-20241119	3377	7.32	8188	10.06	4836	13.97
03 BPOW6-10-20241119MS	3628	7.32	8728	10.06	5209	13.97
04 BPOW6-10-20241119MSD	3339	7.32	8134	10.06	4891	13.97
05 PB165150BL	3592	7.32	7815	10.06	3951	13.98
06 PB165150BS	3630	7.32	8519	10.06	4791	13.97

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 11/25/2024

Lab File ID: BN035279.D Time Analyzed: 11:28

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	6895	16.734	586	21.008	4692	23.078
UPPER LIMIT	13790	17.234	1172	21.508	9384	23.578
LOWER LIMIT	3447.5	16.234	293	20.508	2346	22.578
EPA SAMPLE NO.						
01 BPOW6-11-20241118	10715	16.73	870	21.01	5339	23.08
02 BPOW6-10-20241119	10344	16.73	824	21.01	5052	23.08
03 BPOW6-10-20241119MS	11399	16.73	743	21.01	5613	23.08
04 BPOW6-10-20241119MSD	10884	16.74	706	21.01	5495	23.08
05 PB165150BL	8151	16.73	804	21.01	4507	23.08
06 PB165150BS	9614	16.73	730	21.01	5488	23.08

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB165150BL		SDG No.:	P4934	
Lab Sample ID:	PB165150BL		Matrix:	Water	
Analytical Method:	SW8270SIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035285.D	1	11/21/24 08:27	11/25/24 15:44	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.20	*	55 - 111		50%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.73	*	53 - 106		183%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.32		58 - 132		79%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3590	7.315				
1146-65-2	Naphthalene-d8	7820	10.063				
15067-26-2	Acenaphthene-d10	3950	13.976				
1517-22-2	Phenanthrene-d10	8150	16.734				
1719-03-5	Chrysene-d12	804	21.008				
1520-96-3	Perylene-d12	4510	23.081				

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:	PB165150BS		SDG No.:	P4934	
Lab Sample ID:	PB165150BS		Matrix:	Water	
Analytical Method:	SW8270SIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035290.D	1	11/21/24 08:27	11/25/24 18:44	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.45		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.48		30 - 150		121%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		87%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.23		55 - 111		57%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		115%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3630	7.315				
1146-65-2	Naphthalene-d8	8520	10.063				
15067-26-2	Acenaphthene-d10	4790	13.966				
1517-22-2	Phenanthrene-d10	9610	16.734				
1719-03-5	Chrysene-d12	730	21.008				
1520-96-3	Perylene-d12	5490	23.081				

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:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035288.D	1	11/21/24 08:27	11/25/24 17:32	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.20	*	55 - 111		50%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.15	*	53 - 106		36%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.77	*	58 - 132		192%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3630	7.315				
1146-65-2	Naphthalene-d8	8730	10.063				
15067-26-2	Acenaphthene-d10	5210	13.966				
1517-22-2	Phenanthrene-d10	11400	16.734				
1719-03-5	Chrysene-d12	743	21.008				
1520-96-3	Perylene-d12	5610	23.078				

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:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035289.D	1	11/21/24 08:27	11/25/24 18:08	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.22		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.41		30 - 150		101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.21	*	55 - 111		51%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		53 - 106		65%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.87	*	58 - 132		216%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3340	7.315				
1146-65-2	Naphthalene-d8	8130	10.063				
15067-26-2	Acenaphthene-d10	4890	13.973				
1517-22-2	Phenanthrene-d10	10900	16.741				
1719-03-5	Chrysene-d12	706	21.006				
1520-96-3	Perylene-d12	5500	23.078				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN111324.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 13 17:18:14 2024
 Response Via : Initial Calibration

Calibration Files

0.1 =BN035062.D 0.2 =BN035063.D 0.4 =BN035064.D 0.8 =BN035065.D 1.6 =BN035066.D 3.2 =BN035067.D 5.0 =BN035068.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.410	0.382	0.335	0.371	0.367	0.348	0.329	0.363	7.76
3)	n-Nitrosodimet...	0.366	0.328	0.326	0.360	0.347	0.321	0.322	0.339	5.51
4) S	2-Fluorophenol	1.073	1.039	0.949	1.086	1.034	0.966	0.961	1.015	5.54
5) S	Phenol-d6	1.264	1.279	1.159	1.355	1.318	1.255	1.282	1.273	4.79
6)	bis(2-Chloroet...	0.972	0.949	0.893	1.027	0.995	0.925	0.929	0.956	4.77
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.358	0.338	0.320	0.368	0.356	0.344	0.353	0.348	4.53
9)	Naphthalene	1.088	1.009	0.977	1.116	1.085	1.010	1.027	1.044	4.96
10)	Hexachlorobuta...	0.324	0.305	0.293	0.326	0.315	0.289	0.291	0.306	5.12
11) SURR2	Methylnaphth...	0.694	0.683	0.664	0.762	0.753	0.703	0.731	0.713	5.13
12)	2-Methylnaphth...	0.742	0.748	0.711	0.823	0.815	0.765	0.789	0.770	5.29
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.281	0.262	0.240	0.300	0.299	0.308	0.331	0.289	10.57
15) S	2-Fluorobiphenyl	1.701	1.576	1.460	1.735	1.687	1.599	1.614	1.624	5.73
16)	Acenaphthylene	1.715	1.616	1.488	1.822	1.775	1.756	1.795	1.709	6.93
17)	Acenaphthene	1.129	1.079	1.000	1.202	1.157	1.130	1.146	1.120	5.76
18)	Fluorene	1.704	1.591	1.463	1.755	1.708	1.656	1.659	1.648	5.86
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.068	0.067	0.073	0.087	0.088	0.095	0.105	0.083	17.50
21)	4-Bromophenyl-...	0.256	0.240	0.246	0.272	0.267	0.252	0.252	0.255	4.41
22)	Hexachlorobenzene	0.275	0.259	0.253	0.277	0.273	0.258	0.258	0.264	3.79
23)	Atrazine	0.227	0.227	0.217	0.244	0.238	0.223	0.225	0.229	3.95
24)	Pentachlorophenol	0.106	0.101	0.104	0.130	0.130	0.141	0.154	0.124	16.69
25)	Phenanthrene	1.069	1.013	1.004	1.115	1.096	1.034	1.036	1.053	3.97
26)	Anthracene	0.917	0.904	0.920	1.024	1.016	0.986	1.001	0.967	5.32
27) SURR	Fluoranthene-d10	1.196	1.178	1.169	1.288	1.284	1.222	1.240	1.225	3.91
28)	Fluoranthene	1.396	1.376	1.386	1.543	1.527	1.453	1.453	1.448	4.63
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.339	1.290	1.288	1.424	1.367	1.301	1.317	1.332	3.70
31) S	Terphenyl-d14	0.838	0.819	0.810	0.894	0.867	0.817	0.831	0.839	3.63
32)	Benzo(a)anthra...	1.421	1.368	1.328	1.464	1.416	1.355	1.396	1.393	3.31
33)	Chrysene	1.409	1.366	1.332	1.479	1.420	1.331	1.321	1.380	4.27
34)	Bis(2-ethylhex...	0.809	0.753	0.647	0.768	0.702	0.693	0.742	0.731	7.38
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN111324.M

36)	Indeno(1,2,3-c...	1.609	1.515	1.522	1.730	1.659	1.550	1.585	1.596	4.88
37)	Benzo(b)fluora...	1.326	1.272	1.279	1.439	1.418	1.327	1.359	1.346	4.77
38)	Benzo(k)fluora...	1.342	1.288	1.287	1.418	1.410	1.323	1.358	1.347	3.94
39) C	Benzo(a)pyrene	1.172	1.134	1.123	1.247	1.240	1.167	1.207	1.184	4.12
40)	Dibenzo(a,h)an...	1.248	1.195	1.210	1.375	1.322	1.235	1.265	1.264	5.06
41)	Benzo(g,h,i)pe...	1.380	1.288	1.286	1.452	1.386	1.294	1.328	1.345	4.71

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN112524.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Nov 26 02:36:08 2024
 Response Via : Initial Calibration

Calibration Files

0.1 =BN035277.D 0.2 =BN035278.D 0.4 =BN035279.D 0.8 =BN035280.D 1.6 =BN035281.D 3.2 =BN035282.D 5.0 =BN035283.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.375	0.276	0.287	0.263	0.284	0.262	0.267	0.288	13.80
3)	n-Nitrosodimet...		0.279	0.284	0.306	0.313	0.299	0.306	0.298	4.56
4) S	2-Fluorophenol	0.858	0.793	0.789	0.725	0.730	0.678	0.718	0.756	8.00
5) S	Phenol-d6	1.194	1.125	1.105	1.022	1.025	0.963	0.955	1.056	8.40
6)	bis(2-Chloroet...	0.910	0.870	0.896	0.887	0.914	0.874	0.869	0.889	2.11
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.267	0.272	0.347	0.327	0.356	0.348	0.354	0.324	11.95
9)	Naphthalene	1.085	1.055	1.091	1.075	1.150	1.140	1.174	1.110	4.01
10)	Hexachlorobuta...	0.281	0.289	0.312	0.311	0.339	0.330	0.322	0.312	6.74
11) SURR	2-Methylnaphth...	0.561	0.531	0.539	0.527	0.566	0.580	0.616	0.560	5.61
12)	2-Methylnaphth...	0.690	0.680	0.680	0.675	0.748	0.782	0.829	0.726	8.37
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.174	0.174	0.180	0.186	0.213	0.230	0.272	0.204	17.97
15) S	2-Fluorobiphenyl	0.595	0.424	0.245	0.118	0.082	0.049	0.033	0.221	97.20
16)	Acenaphthylene	1.859	1.869	1.885	1.919	2.117	2.147	2.294	2.013	8.53
17)	Acenaphthene	1.144	1.158	1.176	1.194	1.341	1.386	1.473	1.267	10.33
18)	Fluorene	1.538	1.617	1.634	1.688	1.907	1.985	2.068	1.777	11.63
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...		0.027	0.034	0.039	0.048	0.056		0.041	27.63
21)	4-Bromophenyl-...	0.248	0.236	0.235	0.233	0.252	0.271	0.300	0.254	9.59
22)	Hexachlorobenzene	0.326	0.336	0.352	0.363	0.391	0.381	0.394	0.363	7.33
23)	Atrazine	0.091	0.095	0.100	0.100	0.114	0.117	0.133	0.107	13.85
24)	Pentachlorophenol		0.067	0.079	0.082	0.097	0.112		0.087	19.82
25)	Phenanthrene	1.121	1.103	1.131	1.162	1.271	1.364	1.448	1.229	11.00
26)	Anthracene	0.904	0.899	0.911	0.953	1.100	1.252	1.367	1.055	18.01
27) SURR	Fluoranthene-d10	0.953	0.963	0.967	0.998	1.120	1.224	1.269	1.070	12.46
28)	Fluoranthene	1.248	1.282	1.340	1.453	1.732	1.890	1.907	1.550	18.48
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.357	1.179	1.528	1.271	1.779	1.615		1.455 E1	15.55
31) S	Terphenyl-d14	0.628	0.551	0.726	0.608	0.862	0.764	1.035	0.739 E1	22.66
32)	Benzo(a)anthra...	1.299	1.119	1.382	1.150	1.641	1.439	1.714	1.392 E1	16.32
33)	Chrysene	1.299	1.119	1.382	1.150	1.641	1.439	1.714	1.392 E1	16.32
34)	Bis(2-ethylhex...		1.747	0.910	0.506	0.436	0.229		0.765	78.59
35) I	Perylene-d12	-----ISTD-----								

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

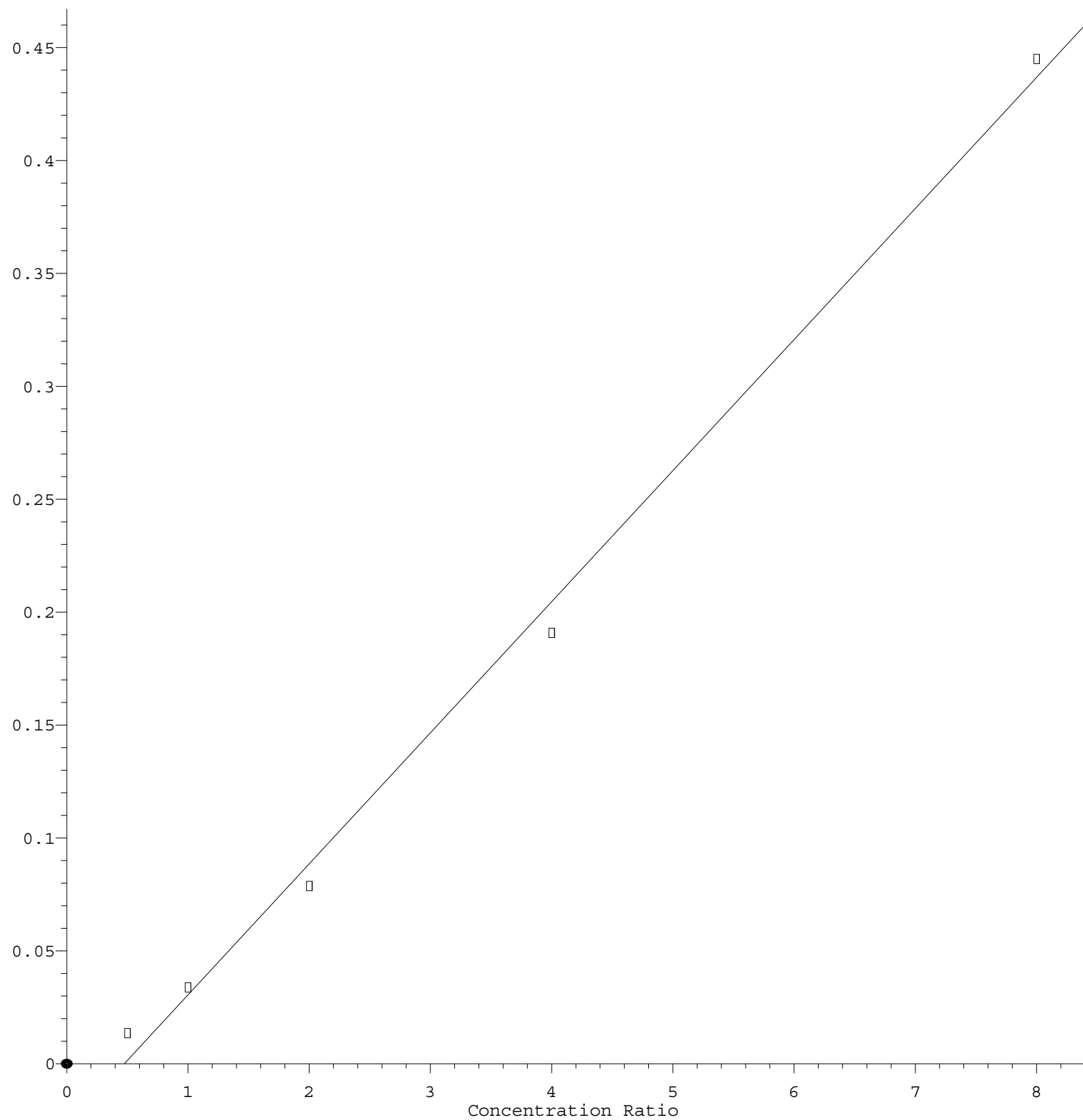
Method File : 8270-SIM-BN112524.M

36)	Indeno(1,2,3-c...	1.377	1.410	1.523	1.574	1.744	1.787	2.049	1.638	14.53
37)	Benzo(b)fluora...	1.505	1.552	1.452	1.714	1.877	2.005	2.064	1.738	14.25
38)	Benzo(k)fluora...	1.567	1.585	1.632	1.796	2.049	2.079	2.165	1.839	13.87
39) C	Benzo(a)pyrene	1.191	1.181	1.143	1.297	1.428	1.476	1.586	1.329	12.80
40)	Dibenzo(a,h)an...	0.961	1.028	1.107	1.202	1.353	1.402	1.612	1.238	18.62
41)	Benzo(g,h,i)pe...	1.296	1.311	1.241	1.412	1.508	1.517	1.737	1.432	11.97

(#) = Out of Range

4,6-Dinitro-2-methylphenol

Response Ratio



Response = $5.804 \times 10^{-2} \times \text{Amt} - 2.756 \times 10^{-2}$
Coef of Det (r^2) = 0.995953 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN112524.M
Calibration Table Last Updated: Tue Nov 26 02:36:08 2024

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

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

Instrument ID: BNA_N Calibration Date/Time: 11/21/2024 13:22

Lab File ID: BN035219.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:40 16:15

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.713	0.604		-15.3	20.0
Fluoranthene-d10	1.225	0.956		-22.0	20.0
2-Fluorophenol	1.015	1.174		15.7	20.0
Phenol-d6	1.273	1.472		15.6	20.0
Nitrobenzene-d5	0.348	0.208		-40.2	20.0
2-Fluorobiphenyl	1.624	0.299		-81.6	20.0
2,4,6-Tribromophenol	0.289	0.331		14.5	20.0
Terphenyl-d14	0.839	3.629		332.5	20.0
1,4-Dioxane	0.363	0.403		11.0	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

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

Instrument ID: BNA_N Calibration Date/Time: 11/21/2024 23:01

Lab File ID: BN035235.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 12:40 16:15

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.713	0.581		-18.5	50.0
Fluoranthene-d10	1.225	0.987		-19.4	50.0
2-Fluorophenol	1.015	1.087		7.1	50.0
Phenol-d6	1.273	1.273		0.0	50.0
Nitrobenzene-d5	0.348	0.189		-45.7	50.0
2-Fluorobiphenyl	1.624	0.255		-84.3	50.0
2,4,6-Tribromophenol	0.289	0.242		-16.3	50.0
Terphenyl-d14	0.839	6.857		717.3	50.0
1,4-Dioxane	0.363	0.381		5.0	50.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

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

Instrument ID: BNA_N Calibration Date/Time: 11/25/2024 19:20

Lab File ID: BN035291.D Init. Calib. Date(s): 11/25/2024 11/25/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 10:16 13:52

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.560	0.573		2.3	50.0
Fluoranthene-d10	1.070	0.869		-18.8	50.0
2-Fluorophenol	0.756	0.966		27.8	50.0
Phenol-d6	1.056	1.244		17.8	50.0
Nitrobenzene-d5	0.324	0.194		-40.1	50.0
2-Fluorobiphenyl	0.221	0.144		-34.8	50.0
2,4,6-Tribromophenol	0.204	0.172		-15.7	50.0
Terphenyl-d14	7.392	8.425		14.0	50.0
1,4-Dioxane	0.288	0.380		31.9	50.0

All other compounds must meet a minimum RRF of 0.010.