

LAB CHRONICLE

OrderID:	Q2345	OrderDate:	6/17/2025 12:40:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	D61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2345-01	EB02-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/19/25	06/17/25
Q2345-02	TB03-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/18/25	06/17/25
Q2345-03	BPOW6-1-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/18/25	06/17/25
Q2345-04	BPOW6-2-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/18/25	06/17/25
Q2345-05	DUP05-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/18/25	06/17/25
Q2345-06	BPOW6-3-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/18/25	06/17/25
Q2345-07	BPOW6-5-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/18/25	06/17/25
Q2345-10	BPOW6-6-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/18/25	06/17/25
Q2345-11	BPOW6-10-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/18/25	06/17/25
Q2345-12	BPOW6-9-20250616	Water	VOCMS Group1	8260-Low	06/16/25		06/18/25	06/17/25
Q2345-13	TT189D2-20250617	Water	VOCMS Group1	8260-Low	06/17/25		06/18/25	06/17/25
Q2345-14	TT150S1-20250617	Water			06/17/25			06/17/25

LAB CHRONICLE

Q2345-15	RW8-MW01D1-20250617	Water	VOCMS Group1	8260-Low		06/18/25
					06/17/25	06/17/25
Q2345-16	TT192D2-20250617	Water	VOCMS Group1	8260-Low		06/18/25
					06/17/25	06/17/25
Q2345-17	BPOW6-4-20250616	Water	VOCMS Group1	8260-Low		06/18/25
					06/16/25	06/17/25
			VOCMS Group1	8260-Low		06/18/25

Hit Summary Sheet SW-846

SDG No.: Q2345
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	EB02-20250616								
Q2345-01	EB02-20250616	Water	Acetone	8.70		1.50	3.80	5.00	ug/L
Q2345-01	EB02-20250616	Water	Methylene Chloride	1.40		0.28	0.50	1.00	ug/L
			Total Voc :	10.1					
			Total Concentration:	10.1					
Client ID:	BPOW6-2-20250616								
Q2345-04	BPOW6-2-20250616	Water	m/p-Xylenes	0.38	J	0.24	1.00	2.00	ug/L
			Total Voc :	0.38					
			Total Concentration:	0.38					
Client ID:	TT189D2-20250617								
Q2345-13	TT189D2-20250617	Water	Dichlorodifluoromethane	0.42	J	0.22	0.50	1.00	ug/L
Q2345-13	TT189D2-20250617	Water	1,1,2-Trichlorotrifluoroethane	12.4		0.25	0.50	1.00	ug/L
Q2345-13	TT189D2-20250617	Water	1,1-Dichloroethene	0.80	J	0.23	0.75	1.00	ug/L
Q2345-13	TT189D2-20250617	Water	cis-1,2-Dichloroethene	1.70		0.19	0.75	1.00	ug/L
Q2345-13	TT189D2-20250617	Water	Trichloroethene	58.6		0.090	0.75	1.00	ug/L
Q2345-13	TT189D2-20250617	Water	Tetrachloroethene	0.34	J	0.23	0.50	1.00	ug/L
			Total Voc :	74.3					
			Total Concentration:	74.3					
Client ID:	TT150S1-20250617								
Q2345-14	TT150S1-20250617	Water	Trichloroethene	11.1		0.090	0.75	1.00	ug/L
Q2345-14	TT150S1-20250617	Water	Tetrachloroethene	1.30		0.23	0.50	1.00	ug/L
			Total Voc :	12.4					
			Total Concentration:	12.4					
Client ID:	TT192D2-20250617								
Q2345-16	TT192D2-20250617	Water	Dichlorodifluoromethane	0.35	J	0.22	0.50	1.00	ug/L
Q2345-16	TT192D2-20250617	Water	1,1,2-Trichlorotrifluoroethane	0.69	J	0.25	0.50	1.00	ug/L
Q2345-16	TT192D2-20250617	Water	Trichloroethene	0.33	J	0.090	0.75	1.00	ug/L
			Total Voc :	1.37					
			Total Concentration:	1.37					
Client ID:	BPOW6-4-20250616								
Q2345-17	BPOW6-4-20250616	Water	m/p-Xylenes	0.26	J	0.24	1.00	2.00	ug/L
			Total Voc :	0.26					
			Total Concentration:	0.26					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	EB02-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046761.D	1		06/19/25 11:03	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	8.70		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	1.40		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	EB02-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046761.D	1		06/19/25 11:03	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.8		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	125000	5.556				
540-36-3	1,4-Difluorobenzene	209000	6.763				
3114-55-4	Chlorobenzene-d5	190000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	90700	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	EB02-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046761.D	1		06/19/25 11:03	VX061925

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TB03-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046734.D	1		06/18/25 12:12	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TB03-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046734.D	1		06/18/25 12:12	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.7		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	131000	5.568				
540-36-3	1,4-Difluorobenzene	214000	6.769				
3114-55-4	Chlorobenzene-d5	190000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	88400	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TB03-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046734.D	1		06/18/25 12:12	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-1-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046735.D	1		06/18/25 12:33	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-1-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046735.D	1		06/18/25 12:33	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.8		81 - 118		90%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	208000	5.562				
540-36-3	1,4-Difluorobenzene	334000	6.769				
3114-55-4	Chlorobenzene-d5	293000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-1-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046735.D	1		06/18/25 12:33	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-2-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046736.D	1		06/18/25 12:54	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-2-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046736.D	1		06/18/25 12:54	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	0.38	J	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.7		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.562				
540-36-3	1,4-Difluorobenzene	218000	6.769				
3114-55-4	Chlorobenzene-d5	195000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	93200	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-2-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046736.D	1		06/18/25 12:54	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	DUP05-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046737.D	1		06/18/25 13:15	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	DUP05-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046737.D	1		06/18/25 13:15	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.3		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	202000	5.568				
540-36-3	1,4-Difluorobenzene	331000	6.769				
3114-55-4	Chlorobenzene-d5	287000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	138000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	DUP05-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046737.D	1		06/18/25 13:15	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-3-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046738.D	1		06/18/25 13:37	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-3-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046738.D	1		06/18/25 13:37	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.3		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	203000	5.562				
540-36-3	1,4-Difluorobenzene	333000	6.769				
3114-55-4	Chlorobenzene-d5	290000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	141000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-3-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046738.D	1		06/18/25 13:37	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-5-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046739.D	1		06/18/25 13:58	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-5-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046739.D	1		06/18/25 13:58	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.2		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.568				
540-36-3	1,4-Difluorobenzene	229000	6.769				
3114-55-4	Chlorobenzene-d5	205000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	98500	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-5-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046739.D	1		06/18/25 13:58	VX061825

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
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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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-6-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-10		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046740.D	1		06/18/25 14:20	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-6-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-10		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046740.D	1		06/18/25 14:20	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.9		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	203000	5.568				
540-36-3	1,4-Difluorobenzene	334000	6.769				
3114-55-4	Chlorobenzene-d5	291000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-6-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-10		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046740.D	1		06/18/25 14:20	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-10-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-11		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046741.D	1		06/18/25 14:41	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-10-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-11		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046741.D	1		06/18/25 14:41	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.2		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	221000	5.562				
540-36-3	1,4-Difluorobenzene	360000	6.769				
3114-55-4	Chlorobenzene-d5	315000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-10-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-11		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046741.D	1		06/18/25 14:41	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-9-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-12		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046742.D	1		06/18/25 15:03	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-9-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-12		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046742.D	1		06/18/25 15:03	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.2		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.568				
540-36-3	1,4-Difluorobenzene	223000	6.775				
3114-55-4	Chlorobenzene-d5	199000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	94600	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-9-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-12		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046742.D	1		06/18/25 15:03	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TT189D2-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-13		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046743.D	1		06/18/25 15:24	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.42	J	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	12.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.80	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.70		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	58.6		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TT189D2-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-13		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046743.D	1		06/18/25 15:24	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.34	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.2		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	218000	5.568				
540-36-3	1,4-Difluorobenzene	358000	6.769				
3114-55-4	Chlorobenzene-d5	312000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	149000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TT189D2-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-13		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046743.D	1		06/18/25 15:24	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TT150S1-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-14		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046744.D	1		06/18/25 15:46	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	11.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TT150S1-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-14		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046744.D	1		06/18/25 15:46	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.30		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.5		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.568				
540-36-3	1,4-Difluorobenzene	214000	6.769				
3114-55-4	Chlorobenzene-d5	193000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	94000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TT150S1-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-14		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046744.D	1		06/18/25 15:46	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	RW8-MW01D1-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-15		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046745.D	1		06/18/25 16:07	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	RW8-MW01D1-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-15		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046745.D	1		06/18/25 16:07	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.9		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	226000	5.568				
540-36-3	1,4-Difluorobenzene	368000	6.769				
3114-55-4	Chlorobenzene-d5	322000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	154000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	RW8-MW01D1-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-15		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046745.D	1		06/18/25 16:07	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TT192D2-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-16		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046746.D	1		06/18/25 16:29	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.35	J	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	J	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.33	J	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TT192D2-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-16		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046746.D	1		06/18/25 16:29	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.7		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		80 - 119		98%	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	133000	5.568				
540-36-3	1,4-Difluorobenzene	221000	6.769				
3114-55-4	Chlorobenzene-d5	196000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	94000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/17/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	TT192D2-20250617		SDG No.:	Q2345	
Lab Sample ID:	Q2345-16		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046746.D	1		06/18/25 16:29	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-4-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-17		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046747.D	1		06/18/25 16:50	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-4-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-17		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046747.D	1		06/18/25 16:50	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	0.26	J	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.8		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	211000	5.562				
540-36-3	1,4-Difluorobenzene	349000	6.769				
3114-55-4	Chlorobenzene-d5	309000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	147000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-4-20250616		SDG No.:	Q2345	
Lab Sample ID:	Q2345-17		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046747.D	1		06/18/25 16:50	VX061825

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.: **Q2345**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2345-01	EB02-20250616	1,2-Dichloroethane-d4	50	47.8	96	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	49.9	100	85	114
Q2345-02	TB03-20250616	1,2-Dichloroethane-d4	50	46.7	93	81	118
		Dibromofluoromethane	50	49.1	98	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
Q2345-03	BPOW6-1-20250616	1,2-Dichloroethane-d4	50	44.8	90	81	118
		Dibromofluoromethane	50	48.9	98	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	48.6	97	85	114
Q2345-04	BPOW6-2-20250616	1,2-Dichloroethane-d4	50	47.7	95	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
Q2345-05	DUP05-20250616	1,2-Dichloroethane-d4	50	46.3	93	81	118
		Dibromofluoromethane	50	48.8	98	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	48.1	96	85	114
Q2345-06	BPOW6-3-20250616	1,2-Dichloroethane-d4	50	46.3	93	81	118
		Dibromofluoromethane	50	48.6	97	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	48.1	96	85	114
Q2345-07	BPOW6-5-20250616	1,2-Dichloroethane-d4	50	48.2	96	81	118
		Dibromofluoromethane	50	48.6	97	80	119
		Toluene-d8	50	49.2	98	89	112
		4-Bromofluorobenzene	50	49.7	99	85	114
Q2345-08MS	BPOW6-5-20250616MS	1,2-Dichloroethane-d4	50	50.6	101	81	118
		Dibromofluoromethane	50	52.1	104	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
Q2345-09MSD	BPOW6-5-20250616MSD	1,2-Dichloroethane-d4	50	50.2	100	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	51.4	103	89	112
		4-Bromofluorobenzene	50	52.5	105	85	114
Q2345-10	BPOW6-6-20250616	1,2-Dichloroethane-d4	50	46.9	94	81	118
		Dibromofluoromethane	50	48.7	97	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	47.7	95	85	114
Q2345-11	BPOW6-10-20250616	1,2-Dichloroethane-d4	50	46.3	92	81	118
		Dibromofluoromethane	50	48.8	98	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	48.7	97	85	114
Q2345-12	BPOW6-9-20250616	1,2-Dichloroethane-d4	50	48.2	96	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	48.8	98	85	114
Q2345-13	TT189D2-20250617	1,2-Dichloroethane-d4	50	47.2	94	81	118
		Dibromofluoromethane	50	49.0	98	80	119

Surrogate Summary

SDG No.: **Q2345**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2345-13	TT189D2-20250617	Toluene-d8	50	48.8	98	89	112
		4-Bromofluorobenzene	50	48.4	97	85	114
Q2345-14	TT150S1-20250617	1,2-Dichloroethane-d4	50	48.5	97	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	50.3	101	85	114
Q2345-15	RW8-MW01D1-20250617	1,2-Dichloroethane-d4	50	45.9	92	81	118
		Dibromofluoromethane	50	49.1	98	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	48.4	97	85	114
Q2345-16	TT192D2-20250617	1,2-Dichloroethane-d4	50	47.7	95	81	118
		Dibromofluoromethane	50	49.1	98	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
Q2345-17	BPOW6-4-20250616	1,2-Dichloroethane-d4	50	47.8	96	81	118
		Dibromofluoromethane	50	49.0	98	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
VX0618WBL01	VX0618WBL01	1,2-Dichloroethane-d4	50	45.5	91	81	118
		Dibromofluoromethane	50	48.8	98	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	50.6	101	85	114
VX0618WBS01	VX0618WBS01	1,2-Dichloroethane-d4	50	49.7	99	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	53.9	108	85	114
VX0619WBL01	VX0619WBL01	1,2-Dichloroethane-d4	50	48.3	97	81	118
		Dibromofluoromethane	50	49.0	98	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	49.4	99	85	114
VX0619WBS01	VX0619WBS01	1,2-Dichloroethane-d4	50	49.8	100	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	54.1	108	85	114

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2345

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

		Sample				Rec	RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q2345-08MS	Client Sample ID :	BPOW6-5-20250616MS					Datafile :	VX046753.D		
Dichlorodifluoromethane	50	0	49.8	ug/L	100				32	152	
Chloromethane	50	0	49.2	ug/L	98				50	139	
Vinyl chloride	50	0	50.2	ug/L	100				58	137	
Bromomethane	50	0	52.0	ug/L	104				53	141	
Chloroethane	50	0	49.8	ug/L	100				60	138	
Trichlorofluoromethane	50	0	49.1	ug/L	98				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	48.4	ug/L	97				70	136	
1,1-Dichloroethene	50	0	50.3	ug/L	101				71	131	
Acetone	250	0	210	ug/L	84				39	160	
Carbon disulfide	50	0	46.2	ug/L	92				64	133	
Methyl tert-butyl Ether	50	0	46.1	ug/L	92				71	124	
Methyl Acetate	50	0	44.5	ug/L	89				56	136	
Methylene Chloride	50	0	47.6	ug/L	95				74	124	
trans-1,2-Dichloroethene	50	0	48.8	ug/L	98				75	124	
1,1-Dichloroethane	50	0	48.4	ug/L	97				77	125	
Cyclohexane	50	0	47.0	ug/L	94				71	130	
2-Butanone	250	0	220	ug/L	88				56	143	
Carbon Tetrachloride	50	0	45.8	ug/L	92				72	136	
cis-1,2-Dichloroethene	50	0	48.7	ug/L	97				78	123	
Bromochloromethane	50	0	53.2	ug/L	106				78	123	
Chloroform	50	0	49.4	ug/L	99				79	124	
1,1,1-Trichloroethane	50	0	47.5	ug/L	95				74	131	
Methylcyclohexane	50	0	45.6	ug/L	91				72	132	
Benzene	50	0	48.0	ug/L	96				79	120	
1,2-Dichloroethane	50	0	46.8	ug/L	94				73	128	
Trichloroethene	50	0	47.1	ug/L	94				79	123	
1,2-Dichloropropane	50	0	47.8	ug/L	96				78	122	
Bromodichloromethane	50	0	47.9	ug/L	96				79	125	
4-Methyl-2-Pentanone	250	0	230	ug/L	92				67	130	
Toluene	50	0	48.2	ug/L	96				80	121	
t-1,3-Dichloropropene	50	0	46.5	ug/L	93				73	127	
cis-1,3-Dichloropropene	50	0	45.8	ug/L	92				75	124	
1,1,2-Trichloroethane	50	0	47.1	ug/L	94				80	119	
2-Hexanone	250	0	220	ug/L	88				57	139	
Dibromochloromethane	50	0	47.5	ug/L	95				74	126	
1,2-Dibromoethane	50	0	47.6	ug/L	95				77	121	
Tetrachloroethene	50	0	44.6	ug/L	89				74	129	
Chlorobenzene	50	0	46.8	ug/L	94				82	118	
Ethyl Benzene	50	0	46.6	ug/L	93				79	121	
m/p-Xylenes	100	0	95.0	ug/L	95				80	121	
o-Xylene	50	0	48.2	ug/L	96				78	122	
Styrene	50	0	47.7	ug/L	95				78	123	
Bromoform	50	0	44.8	ug/L	90				66	130	
Isopropylbenzene	50	0	47.1	ug/L	94				72	131	
1,1,2,2-Tetrachloroethane	50	0	45.8	ug/L	92				71	121	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2345

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	44.1	ug/L	88				80	119	
1,4-Dichlorobenzene	50	0	43.2	ug/L	86				79	118	
1,2-Dichlorobenzene	50	0	45.7	ug/L	91				80	119	
1,2-Dibromo-3-Chloropropane	50	0	42.6	ug/L	85				62	128	
1,2,4-Trichlorobenzene	50	0	43.8	ug/L	88				69	130	
1,2,3-Trichlorobenzene	50	0	45.2	ug/L	90				69	129	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2345

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

										Limits	
Parameter	Spike	Sample	Result	Units	Rec		RPD	RPD		High	RPD
		Result			Qual	Qual		Low			
Lab Sample ID :	Q2345-09MSD	Client Sample ID :	BPOW6-5-20250616MSD					Datafile :	VX046754.D		
Dichlorodifluoromethane	50	0	49.2	ug/L	98		1		32	152	20
Chloromethane	50	0	48.3	ug/L	97		2		50	139	20
Vinyl chloride	50	0	49.5	ug/L	99		1		58	137	20
Bromomethane	50	0	54.5	ug/L	109		5		53	141	20
Chloroethane	50	0	50.6	ug/L	101		2		60	138	20
Trichlorofluoromethane	50	0	47.9	ug/L	96		2		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	47.4	ug/L	95		2		70	136	20
1,1-Dichloroethene	50	0	49.4	ug/L	99		2		71	131	20
Acetone	250	0	210	ug/L	84		0		39	160	20
Carbon disulfide	50	0	45.7	ug/L	91		1		64	133	20
Methyl tert-butyl Ether	50	0	46.8	ug/L	94		2		71	124	20
Methyl Acetate	50	0	43.1	ug/L	86		3		56	136	20
Methylene Chloride	50	0	46.5	ug/L	93		2		74	124	20
trans-1,2-Dichloroethene	50	0	47.6	ug/L	95		2		75	124	20
1,1-Dichloroethane	50	0	48.6	ug/L	97		0		77	125	20
Cyclohexane	50	0	47.2	ug/L	94		0		71	130	20
2-Butanone	250	0	230	ug/L	92		4		56	143	20
Carbon Tetrachloride	50	0	47.0	ug/L	94		3		72	136	20
cis-1,2-Dichloroethene	50	0	48.7	ug/L	97		0		78	123	20
Bromochloromethane	50	0	55.8	ug/L	112		5		78	123	20
Chloroform	50	0	49.8	ug/L	100		1		79	124	20
1,1,1-Trichloroethane	50	0	48.6	ug/L	97		2		74	131	20
Methylcyclohexane	50	0	46.2	ug/L	92		1		72	132	20
Benzene	50	0	48.6	ug/L	97		1		79	120	20
1,2-Dichloroethane	50	0	47.7	ug/L	95		2		73	128	20
Trichloroethene	50	0	48.0	ug/L	96		2		79	123	20
1,2-Dichloropropane	50	0	49.2	ug/L	98		3		78	122	20
Bromodichloromethane	50	0	48.8	ug/L	98		2		79	125	20
4-Methyl-2-Pentanone	250	0	230	ug/L	92		0		67	130	20
Toluene	50	0	48.8	ug/L	98		1		80	121	20
t-1,3-Dichloropropene	50	0	48.3	ug/L	97		4		73	127	20
cis-1,3-Dichloropropene	50	0	48.0	ug/L	96		5		75	124	20
1,1,2-Trichloroethane	50	0	48.6	ug/L	97		3		80	119	20
2-Hexanone	250	0	230	ug/L	92		4		57	139	20
Dibromochloromethane	50	0	48.3	ug/L	97		2		74	126	20
1,2-Dibromoethane	50	0	48.5	ug/L	97		2		77	121	20
Tetrachloroethene	50	0	44.7	ug/L	89		0		74	129	20
Chlorobenzene	50	0	46.8	ug/L	94		0		82	118	20
Ethyl Benzene	50	0	47.1	ug/L	94		1		79	121	20
m/p-Xylenes	100	0	95.0	ug/L	95		0		80	121	20
o-Xylene	50	0	49.3	ug/L	99		2		78	122	20
Styrene	50	0	48.6	ug/L	97		2		78	123	20
Bromoform	50	0	45.9	ug/L	92		2		66	130	20
Isopropylbenzene	50	0	48.1	ug/L	96		2		72	131	20
1,1,2,2-Tetrachloroethane	50	0	47.1	ug/L	94		3		71	121	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2345

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
1,3-Dichlorobenzene	50	0	44.9	ug/L	90		2		80	119	20
1,4-Dichlorobenzene	50	0	43.9	ug/L	88		2		79	118	20
1,2-Dichlorobenzene	50	0	46.9	ug/L	94		3		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	44.3	ug/L	89		4		62	128	20
1,2,4-Trichlorobenzene	50	0	45.4	ug/L	91		4		69	130	20
1,2,3-Trichlorobenzene	50	0	46.7	ug/L	93		3		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2345

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX046731.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0618WBS01	Dichlorodifluoromethane	20	19.7	ug/L	99			32	152	
	Chloromethane	20	19.2	ug/L	96			50	139	
	Vinyl chloride	20	19.2	ug/L	96			58	137	
	Bromomethane	20	21.9	ug/L	110			53	141	
	Chloroethane	20	19.2	ug/L	96			60	138	
	Trichlorofluoromethane	20	19.2	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96			70	136	
	1,1-Dichloroethene	20	18.7	ug/L	94			71	131	
	Acetone	100	89.9	ug/L	90			39	160	
	Carbon disulfide	20	17.4	ug/L	87			64	133	
	Methyl tert-butyl Ether	20	18.0	ug/L	90			71	124	
	Methyl Acetate	20	17.9	ug/L	90			56	136	
	Methylene Chloride	20	18.2	ug/L	91			74	124	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			75	124	
	1,1-Dichloroethane	20	18.7	ug/L	94			77	125	
	Cyclohexane	20	18.8	ug/L	94			71	130	
	2-Butanone	100	89.9	ug/L	90			56	143	
	Carbon Tetrachloride	20	18.4	ug/L	92			72	136	
	cis-1,2-Dichloroethene	20	18.8	ug/L	94			78	123	
	Bromochloromethane	20	22.0	ug/L	110			78	123	
	Chloroform	20	18.9	ug/L	95			79	124	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			74	131	
	Methylcyclohexane	20	18.6	ug/L	93			72	132	
	Benzene	20	18.8	ug/L	94			79	120	
	1,2-Dichloroethane	20	18.8	ug/L	94			73	128	
	Trichloroethene	20	18.3	ug/L	92			79	123	
	1,2-Dichloropropane	20	18.5	ug/L	93			78	122	
	Bromodichloromethane	20	18.7	ug/L	94			79	125	
	4-Methyl-2-Pentanone	100	91.3	ug/L	91			67	130	
	Toluene	20	19.1	ug/L	96			80	121	
	t-1,3-Dichloropropene	20	18.3	ug/L	92			73	127	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			75	124	
	1,1,2-Trichloroethane	20	18.7	ug/L	94			80	119	
	2-Hexanone	100	92.2	ug/L	92			57	139	
	Dibromochloromethane	20	18.8	ug/L	94			74	126	
	1,2-Dibromoethane	20	19.1	ug/L	96			77	121	
	Tetrachloroethene	20	18.1	ug/L	91			74	129	
	Chlorobenzene	20	18.3	ug/L	92			82	118	
	Ethyl Benzene	20	18.3	ug/L	92			79	121	
	m/p-Xylenes	40	37.2	ug/L	93			80	121	
	o-Xylene	20	19.1	ug/L	96			78	122	
	Styrene	20	18.8	ug/L	94			78	123	
	Bromoform	20	17.9	ug/L	90			66	130	
	Isopropylbenzene	20	17.9	ug/L	90			72	131	
	1,1,2,2-Tetrachloroethane	20	17.6	ug/L	88			71	121	
	1,3-Dichlorobenzene	20	17.2	ug/L	86			80	119	
	1,4-Dichlorobenzene	20	17.1	ug/L	86			79	118	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2345

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX046731.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0618WBS01	1,2-Dibromo-3-Chloropropane	20	16.3	ug/L	81			62	128	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			69	130	
	1,2,3-Trichlorobenzene	20	17.4	ug/L	87			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2345

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX046762.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0619WBS01	Dichlorodifluoromethane	20	19.1	ug/L	96			32	152	
	Chloromethane	20	18.7	ug/L	94			50	139	
	Vinyl chloride	20	18.9	ug/L	95			58	137	
	Bromomethane	20	21.2	ug/L	106			53	141	
	Chloroethane	20	19.9	ug/L	100			60	138	
	Trichlorofluoromethane	20	18.4	ug/L	92			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.5	ug/L	93			70	136	
	1,1-Dichloroethene	20	18.6	ug/L	93			71	131	
	Acetone	100	74.1	ug/L	74			39	160	
	Carbon disulfide	20	17.0	ug/L	85			64	133	
	Methyl tert-butyl Ether	20	17.0	ug/L	85			71	124	
	Methyl Acetate	20	16.0	ug/L	80			56	136	
	Methylene Chloride	20	18.1	ug/L	91			74	124	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			75	124	
	1,1-Dichloroethane	20	18.5	ug/L	93			77	125	
	Cyclohexane	20	18.8	ug/L	94			71	130	
	2-Butanone	100	78.9	ug/L	79			56	143	
	Carbon Tetrachloride	20	18.0	ug/L	90			72	136	
	cis-1,2-Dichloroethene	20	18.6	ug/L	93			78	123	
	Bromochloromethane	20	20.8	ug/L	104			78	123	
	Chloroform	20	19.0	ug/L	95			79	124	
	1,1,1-Trichloroethane	20	17.7	ug/L	89			74	131	
	Methylcyclohexane	20	18.5	ug/L	93			72	132	
	Benzene	20	18.9	ug/L	95			79	120	
	1,2-Dichloroethane	20	18.5	ug/L	93			73	128	
	Trichloroethene	20	18.4	ug/L	92			79	123	
	1,2-Dichloropropane	20	18.4	ug/L	92			78	122	
	Bromodichloromethane	20	18.9	ug/L	95			79	125	
	4-Methyl-2-Pentanone	100	81.6	ug/L	82			67	130	
	Toluene	20	19.0	ug/L	95			80	121	
	t-1,3-Dichloropropene	20	18.0	ug/L	90			73	127	
	cis-1,3-Dichloropropene	20	18.2	ug/L	91			75	124	
	1,1,2-Trichloroethane	20	18.5	ug/L	93			80	119	
	2-Hexanone	100	78.9	ug/L	79			57	139	
	Dibromochloromethane	20	18.4	ug/L	92			74	126	
	1,2-Dibromoethane	20	18.0	ug/L	90			77	121	
	Tetrachloroethene	20	17.7	ug/L	89			74	129	
	Chlorobenzene	20	18.0	ug/L	90			82	118	
	Ethyl Benzene	20	18.0	ug/L	90			79	121	
	m/p-Xylenes	40	37.2	ug/L	93			80	121	
	o-Xylene	20	18.6	ug/L	93			78	122	
	Styrene	20	18.3	ug/L	92			78	123	
	Bromoform	20	16.7	ug/L	84			66	130	
	Isopropylbenzene	20	18.1	ug/L	91			72	131	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/L	86			71	121	
	1,3-Dichlorobenzene	20	17.8	ug/L	89			80	119	
	1,4-Dichlorobenzene	20	17.5	ug/L	88			79	118	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2345

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX046762.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0619WBS01	1,2-Dibromo-3-Chloropropane	20	15.1	ug/L	76			62	128	
	1,2,4-Trichlorobenzene	20	17.1	ug/L	86			69	130	
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88			69	129	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0618WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2345

SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046730.D

Lab Sample ID: VX0618WBL01

Date Analyzed: 06/18/2025

Time Analyzed: 10:45

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
VX0618WBS01	VX0618WBS01	VX046731.D	06/18/2025
TB03-20250616	Q2345-02	VX046734.D	06/18/2025
BPOW6-1-20250616	Q2345-03	VX046735.D	06/18/2025
BPOW6-2-20250616	Q2345-04	VX046736.D	06/18/2025
DUP05-20250616	Q2345-05	VX046737.D	06/18/2025
BPOW6-3-20250616	Q2345-06	VX046738.D	06/18/2025
BPOW6-5-20250616	Q2345-07	VX046739.D	06/18/2025
BPOW6-6-20250616	Q2345-10	VX046740.D	06/18/2025
BPOW6-10-20250616	Q2345-11	VX046741.D	06/18/2025
BPOW6-9-20250616	Q2345-12	VX046742.D	06/18/2025
TT189D2-20250617	Q2345-13	VX046743.D	06/18/2025
TT150S1-20250617	Q2345-14	VX046744.D	06/18/2025
RW8-MW01D1-20250617	Q2345-15	VX046745.D	06/18/2025
TT192D2-20250617	Q2345-16	VX046746.D	06/18/2025
BPOW6-4-20250616	Q2345-17	VX046747.D	06/18/2025
BPOW6-5-20250616MS	Q2345-08MS	VX046753.D	06/18/2025
BPOW6-5-20250616MSD	Q2345-09MSD	VX046754.D	06/18/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0619WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2345

SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046760.D

Lab Sample ID: VX0619WBL01

Date Analyzed: 06/19/2025

Time Analyzed: 10:33

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
EB02-20250616	Q2345-01	VX046761.D	06/19/2025
VX0619WBS01	VX0619WBS01	VX046762.D	06/19/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
Lab File ID: VX046715.D BFB Injection Date: 06/17/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:46
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	18.7
75	30.0 - 60.0% of mass 95	50.7
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	74.8
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72 (96.2) 1
177	5.0 - 9.0% of mass 176	4.3 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VX046718.D	06/17/2025	11:19
VSTDIC020	VSTDIC020	VX046719.D	06/17/2025	13:59
VSTDIC050	VSTDIC050	VX046720.D	06/17/2025	14:20
VSTDIC100	VSTDIC100	VX046721.D	06/17/2025	14:41
VSTDIC150	VSTDIC150	VX046722.D	06/17/2025	15:02
VSTDIC001	VSTDIC001	VX046725.D	06/17/2025	17:18

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
Lab File ID: VX046727.D BFB Injection Date: 06/18/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:59
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	18.9
75	30.0 - 60.0% of mass 95	50.8
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	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	71.4 (96.5) 1
177	5.0 - 9.0% of mass 176	4.5 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046728.D	06/18/2025	09:33
VX0618WBL01	VX0618WBL01	VX046730.D	06/18/2025	10:45
VX0618WBS01	VX0618WBS01	VX046731.D	06/18/2025	11:07
TB03-20250616	Q2345-02	VX046734.D	06/18/2025	12:12
BPOW6-1-20250616	Q2345-03	VX046735.D	06/18/2025	12:33
BPOW6-2-20250616	Q2345-04	VX046736.D	06/18/2025	12:54
DUP05-20250616	Q2345-05	VX046737.D	06/18/2025	13:15
BPOW6-3-20250616	Q2345-06	VX046738.D	06/18/2025	13:37
BPOW6-5-20250616	Q2345-07	VX046739.D	06/18/2025	13:58
BPOW6-6-20250616	Q2345-10	VX046740.D	06/18/2025	14:20
BPOW6-10-20250616	Q2345-11	VX046741.D	06/18/2025	14:41
BPOW6-9-20250616	Q2345-12	VX046742.D	06/18/2025	15:03
TT189D2-20250617	Q2345-13	VX046743.D	06/18/2025	15:24
TT150S1-20250617	Q2345-14	VX046744.D	06/18/2025	15:46
RW8-MW01D1-20250617	Q2345-15	VX046745.D	06/18/2025	16:07
TT192D2-20250617	Q2345-16	VX046746.D	06/18/2025	16:29
BPOW6-4-20250616	Q2345-17	VX046747.D	06/18/2025	16:50
BPOW6-5-20250616MS	Q2345-08MS	VX046753.D	06/18/2025	18:58

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
Lab File ID: VX046727.D BFB Injection Date: 06/18/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:59
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	18.9
75	30.0 - 60.0% of mass 95	50.8
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	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	71.4 (96.5) 1
177	5.0 - 9.0% of mass 176	4.5 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
BPOW6-5-20250616MSD	Q2345-09MSD	VX046754.D	06/18/2025	19:19
VSTDCCC050EC	VSTDCCC050	VX046756.D	06/18/2025	20:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
Lab File ID: VX046757.D BFB Injection Date: 06/19/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:42
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	18.8
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	72.6
175	5.0 - 9.0% of mass 174	5.7 (7.8) 1
176	95.0 - 101.0% of mass 174	71.1 (97.9) 1
177	5.0 - 9.0% of mass 176	4.5 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046758.D	06/19/2025	09:43
VX0619WBL01	VX0619WBL01	VX046760.D	06/19/2025	10:33
EB02-20250616	Q2345-01	VX046761.D	06/19/2025	11:03
VX0619WBS01	VX0619WBS01	VX046762.D	06/19/2025	11:24
VSTDCCC050EC	VSTDCCC050	VX046775.D	06/19/2025	17:10

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
 Lab File ID: VX046728.D Date Analyzed: 06/18/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:33
 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	153144	5.56	247293	6.76	216990	10.06
UPPER LIMIT	306288	6.056	494586	7.263	433980	10.555
LOWER LIMIT	76572	5.056	123647	6.263	108495	9.555
EPA SAMPLE NO.						
TB03-20250616	131404	5.57	213527	6.77	190496	10.06
BPOW6-1-20250616	208218	5.56	333734	6.77	292626	10.06
BPOW6-2-20250616	133570	5.56	218146	6.77	194756	10.06
DUP05-20250616	201684	5.57	330858	6.77	287321	10.06
BPOW6-3-20250616	203124	5.56	332589	6.77	290067	10.06
BPOW6-5-20250616	138024	5.57	229333	6.77	204785	10.06
BPOW6-5-20250616MS	143057	5.56	240999	6.77	215546	10.06
BPOW6-5-20250616MSD	136146	5.56	229178	6.77	208450	10.06
BPOW6-6-20250616	202843	5.57	334138	6.77	291485	10.06
BPOW6-10-20250616	221164	5.56	359780	6.77	315084	10.06
BPOW6-9-20250616	133892	5.57	222699	6.78	198876	10.06
TT189D2-20250617	217878	5.57	358276	6.77	311829	10.06
TT150S1-20250617	128949	5.57	213744	6.77	192588	10.06
RW8-MW01D1-20250617	226176	5.57	367631	6.77	322256	10.06
TT192D2-20250617	133130	5.57	221280	6.77	195519	10.06
BPOW6-4-20250616	210931	5.56	348901	6.77	308900	10.06
VX0618WBL01	167417	5.56	270618	6.76	242123	10.06
VX0618WBS01	156160	5.56	258286	6.77	234034	10.06

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
Lab File ID: VX046728.D Date Analyzed: 06/18/2025
Instrument ID: MSVOA_X Time Analyzed: 09:33
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	153144	5.56	247293	6.76	216990	10.06
UPPER LIMIT	306288	6.056	494586	7.263	433980	10.555
LOWER LIMIT	76572	5.056	123647	6.263	108495	9.555
EPA SAMPLE NO.						

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: AECO15
 Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
 Lab File ID: VX046728.D Date Analyzed: 06/18/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:33
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	104970	12.018				
UPPER LIMIT	209940	12.518				
LOWER LIMIT	52485	11.518				
EPA SAMPLE NO.						
TB03-20250616	88415	12.02				
BPOW6-1-20250616	140376	12.02				
BPOW6-2-20250616	93153	12.02				
DUP05-20250616	137822	12.02				
BPOW6-3-20250616	141430	12.02				
BPOW6-5-20250616	98514	12.02				
BPOW6-5-20250616MS	107663	12.02				
BPOW6-5-20250616MSD	102802	12.02				
BPOW6-6-20250616	140253	12.02				
BPOW6-10-20250616	151979	12.02				
BPOW6-9-20250616	94577	12.02				
TT189D2-20250617	149381	12.02				
TT150S1-20250617	93953	12.02				
RW8-MW01D1-20250617	153646	12.02				
TT192D2-20250617	93964	12.02				
BPOW6-4-20250616	147369	12.02				
VX0618WBL01	121135	12.02				
VX0618WBS01	121898	12.02				

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
 Lab File ID: VX046728.D Date Analyzed: 06/18/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:33
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	104970	12.018				
UPPER LIMIT	209940	12.518				
LOWER LIMIT	52485	11.518				
EPA SAMPLE NO.						

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: AECO15
 Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
 Lab File ID: VX046758.D Date Analyzed: 06/19/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:43
 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	137182	5.56	224265	6.76	197740	10.05
UPPER LIMIT	274364	6.056	448530	7.263	395480	10.549
LOWER LIMIT	68591	5.056	112133	6.263	98870	9.549
EPA SAMPLE NO.						
EB02-20250616	124608	5.56	209152	6.76	190032	10.06
VX0619WBL01	124937	5.56	212303	6.77	191555	10.06
VX0619WBS01	137936	5.56	227140	6.77	207463	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: AECO15
 Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345
 Lab File ID: VX046758.D Date Analyzed: 06/19/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:43
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	96867	12.018				
UPPER LIMIT	193734	12.518				
LOWER LIMIT	48433.5	11.518				
EPA SAMPLE NO.						
EB02-20250616	90738	12.02				
VX0619WBL01	93040	12.02				
VX0619WBS01	104652	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:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0618WBL01		SDG No.:	Q2345
Lab Sample ID:	VX0618WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046730.D	1		06/18/25 10:45	VX061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0618WBL01		SDG No.:	Q2345
Lab Sample ID:	VX0618WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046730.D	1		06/18/25 10:45	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.5		81 - 118		91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	5.562				
540-36-3	1,4-Difluorobenzene	271000	6.763				
3114-55-4	Chlorobenzene-d5	242000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	121000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0618WBL01		SDG No.:	Q2345
Lab Sample ID:	VX0618WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046730.D	1		06/18/25 10:45	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0619WBL01		SDG No.:	Q2345
Lab Sample ID:	VX0619WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046760.D	1		06/19/25 10:33	VX061925

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0619WBL01		SDG No.:	Q2345
Lab Sample ID:	VX0619WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046760.D	1		06/19/25 10:33	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	125000	5.562				
540-36-3	1,4-Difluorobenzene	212000	6.769				
3114-55-4	Chlorobenzene-d5	192000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	93000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0619WBL01		SDG No.:	Q2345
Lab Sample ID:	VX0619WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046760.D	1		06/19/25 10:33	VX061925

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:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0618WBS01		SDG No.:	Q2345
Lab Sample ID:	VX0618WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046731.D	1		06/18/25 11:07	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	19.2		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	21.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	0.75	1.00	ug/L
67-64-1	Acetone	89.9		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.4		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	17.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	89.9		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	22.0		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.9		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.6		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.8		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.3		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.1		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0618WBS01		SDG No.:	Q2345
Lab Sample ID:	VX0618WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046731.D	1		06/18/25 11:07	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	92.2		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.1		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.3		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	18.8		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	17.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.9		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.1		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.3		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.4		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	156000	5.562				
540-36-3	1,4-Difluorobenzene	258000	6.769				
3114-55-4	Chlorobenzene-d5	234000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0618WBS01		SDG No.:	Q2345
Lab Sample ID:	VX0618WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046731.D	1		06/18/25 11:07	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0619WBS01		SDG No.:	Q2345
Lab Sample ID:	VX0619WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046762.D	1		06/19/25 11:24	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	18.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	21.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	74.1		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	16.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.1		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.5		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	78.9		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	19.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.7		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.4		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	81.6		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.0		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0619WBS01		SDG No.:	Q2345
Lab Sample ID:	VX0619WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046762.D	1		06/19/25 11:24	VX061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.0		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	78.9		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.0		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	17.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.0		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	18.3		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	16.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.8		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.5		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.1		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.8		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.562				
540-36-3	1,4-Difluorobenzene	227000	6.769				
3114-55-4	Chlorobenzene-d5	207000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	105000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0619WBS01		SDG No.:	Q2345
Lab Sample ID:	VX0619WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046762.D	1		06/19/25 11:24	VX061925

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-5-20250616MS		SDG No.:	Q2345	
Lab Sample ID:	Q2345-08MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046753.D	1		06/18/25 18:58	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	49.8		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	49.2		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	50.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	52.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	49.8		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	49.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	50.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	210		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	46.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	46.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	44.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	47.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	48.8		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	48.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	47.0		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	220		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	45.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	48.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	53.2		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	49.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	47.5		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	45.6		0.16	0.50	1.00	ug/L
71-43-2	Benzene	48.0		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	46.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	47.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	47.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	47.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	230		0.68	2.50	5.00	ug/L
108-88-3	Toluene	48.2		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-5-20250616MS		SDG No.:	Q2345	
Lab Sample ID:	Q2345-08MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046753.D	1		06/18/25 18:58	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	46.5		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	45.8		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	47.1		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	220		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	47.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	47.6		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	44.6		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	46.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	46.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	95.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	48.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	47.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	44.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	47.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	45.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	44.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.2		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	45.7		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	42.6		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	45.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.562				
540-36-3	1,4-Difluorobenzene	241000	6.769				
3114-55-4	Chlorobenzene-d5	216000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	108000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-5-20250616MS		SDG No.:	Q2345	
Lab Sample ID:	Q2345-08MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046753.D	1		06/18/25 18:58	VX061825

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:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-5-20250616MSD		SDG No.:	Q2345	
Lab Sample ID:	Q2345-09MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046754.D	1		06/18/25 19:19	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	49.2		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	48.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	49.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	54.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	50.6		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	47.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	47.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	49.4		0.23	0.75	1.00	ug/L
67-64-1	Acetone	210		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	45.7		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	46.8		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	43.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	46.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	47.6		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	48.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	47.2		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	230		0.98	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	48.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	55.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	49.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	48.6		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	46.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	48.6		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	47.7		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	48.0		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	49.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	48.8		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	230		0.68	2.50	5.00	ug/L
108-88-3	Toluene	48.8		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-5-20250616MSD		SDG No.:	Q2345	
Lab Sample ID:	Q2345-09MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046754.D	1		06/18/25 19:19	VX061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	48.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	48.0		0.16	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	230		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	48.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	48.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	44.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	46.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	47.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	95.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	49.3		0.12	0.50	1.00	ug/L
100-42-5	Styrene	48.6		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	45.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	48.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	47.1		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	44.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.9		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	46.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	44.3		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.4		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	46.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	136000	5.562				
540-36-3	1,4-Difluorobenzene	229000	6.769				
3114-55-4	Chlorobenzene-d5	208000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	103000	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/17/25	
Client Sample ID:	BPOW6-5-20250616MSD		SDG No.:	Q2345	
Lab Sample ID:	Q2345-09MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046754.D	1		06/18/25 19:19	VX061825

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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID:								
RRF005 = VX046718.D			RRF020 = VX046719.D			RRF050 = VX046720.D		
RRF100 = VX046721.D			RRF150 = VX046722.D			RRF001 = VX046725.D		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD
Dichlorodifluoromethane	0.464	0.507	0.583	0.627	0.598	0.425	0.534	15.1
Chloromethane	0.541	0.570	0.593	0.641	0.627	0.485	0.576	10
Vinyl Chloride	0.569	0.632	0.634	0.687	0.644	0.521	0.614	9.7
Bromomethane	0.371	0.367	0.369	0.341	0.280		0.346	11.1
Chloroethane	0.350	0.388	0.377	0.405	0.381	0.332	0.372	7.1
Trichlorofluoromethane	0.897	0.974	0.967	1.030	0.972	0.757	0.933	10.3
1,1,2-Trichlorotrifluoroethane	0.563	0.608	0.576	0.623	0.594	0.470	0.572	9.6
1,1-Dichloroethene	0.527	0.574	0.569	0.609	0.583	0.451	0.552	10.2
Acetone	0.219	0.222	0.220	0.238	0.234	0.251	0.231	5.6
Carbon Disulfide	1.503	1.644	1.599	1.735	1.656	1.869	1.668	7.5
Methyl tert-butyl Ether	1.628	1.803	1.752	1.898	1.808	1.427	1.720	9.8
Methyl Acetate	0.577	0.590	0.581	0.650	0.647	0.470	0.586	11.2
Methylene Chloride	0.655	0.655	0.610	0.666	0.624	0.637	0.641	3.3
trans-1,2-Dichloroethene	0.569	0.627	0.589	0.637	0.595	0.529	0.591	6.7
1,1-Dichloroethane	1.054	1.153	1.088	1.170	1.114	0.972	1.092	6.6
Cyclohexane	0.983	1.086	1.013	1.074	1.021		1.036	4.2
2-Butanone	0.319	0.325	0.338	0.371	0.353	0.251	0.326	12.7
Carbon Tetrachloride	0.509	0.537	0.515	0.548	0.531	0.470	0.518	5.4
cis-1,2-Dichloroethene	0.681	0.731	0.686	0.741	0.704	0.623	0.694	6.1
Bromochloromethane	0.527	0.459	0.485	0.519	0.500	0.480	0.495	5.2
Chloroform	1.102	1.190	1.114	1.181	1.109	0.857	1.092	11.1
1,1,1-Trichloroethane	0.931	1.012	0.956	1.046	0.990	0.812	0.958	8.6
Methylcyclohexane	0.631	0.642	0.629	0.672	0.647	0.550	0.628	6.6
Benzene	1.431	1.477	1.417	1.509	1.427	1.218	1.413	7.2
1,2-Dichloroethane	0.508	0.523	0.495	0.528	0.497	0.429	0.497	7.2
Trichloroethene	0.355	0.374	0.356	0.389	0.366	0.320	0.360	6.5
1,2-Dichloropropane	0.347	0.372	0.346	0.374	0.357	0.305	0.350	7.2
Bromodichloromethane	0.510	0.545	0.522	0.562	0.540	0.404	0.514	11.1
4-Methyl-2-Pentanone	0.408	0.414	0.426	0.460	0.439	0.322	0.411	11.6
Toluene	0.884	0.927	0.888	0.927	0.881	0.750	0.876	7.4

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2345</u>
Instrument ID:	<u>MSVOA_X</u>	SAS No.:	<u>Q2345</u>
Heated Purge: (Y/N)	<u>N</u>	SDG No.:	<u>Q2345</u>
GC Column:	<u>DB-624UI</u>	Calibration Date(s):	<u>06/17/2025</u>
ID:	<u>0.18 (mm)</u>	Calibration Time(s):	<u>11:19</u>
			<u>17:18</u>

LAB FILE ID:		RRF005 = VX046718.D		RRF020 = VX046719.D		RRF050 = VX046720.D		
		RRF100 = VX046721.D		RRF150 = VX046722.D		RRF001 = VX046725.D		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD
t-1,3-Dichloropropene	0.438	0.484	0.488	0.555	0.540	0.355	0.477	15.3
cis-1,3-Dichloropropene	0.516	0.555	0.548	0.603	0.589	0.436	0.541	11.1
1,1,2-Trichloroethane	0.330	0.341	0.326	0.347	0.329	0.287	0.327	6.4
2-Hexanone	0.285	0.285	0.297	0.320	0.305	0.214	0.284	13
Dibromochloromethane	0.380	0.402	0.388	0.419	0.402	0.318	0.385	9.3
1,2-Dibromoethane	0.333	0.348	0.335	0.363	0.346	0.267	0.332	10.1
Tetrachloroethene	0.345	0.353	0.340	0.360	0.339	0.341	0.346	2.4
Chlorobenzene	1.114	1.148	1.091	1.165	1.100	1.005	1.104	5.1
Ethyl Benzene	1.905	2.030	1.933	2.062	1.945	1.696	1.929	6.7
m/p-Xylenes	0.705	0.764	0.724	0.765	0.718	0.635	0.719	6.7
o-Xylene	0.686	0.729	0.692	0.739	0.698	0.498	0.673	13.1
Styrene	1.144	1.256	1.208	1.267	1.203	0.993	1.179	8.6
Bromoform	0.268	0.295	0.287	0.315	0.304	0.226	0.282	11.3
Isopropylbenzene	3.593	3.914	3.723	4.004	3.814	3.048	3.682	9.3
1,1,2,2-Tetrachloroethane	1.037	1.075	1.044	1.124	1.074	0.816	1.028	10.6
1,3-Dichlorobenzene	1.703	1.787	1.678	1.786	1.719	1.694	1.728	2.7
1,4-Dichlorobenzene	1.743	1.830	1.653	1.789	1.702	1.932	1.775	5.6
1,2-Dichlorobenzene	1.604	1.701	1.592	1.703	1.628	1.460	1.615	5.5
1,2-Dibromo-3-Chloropropane	0.196	0.205	0.211	0.235	0.237	0.134	0.203	18.6
1,2,4-Trichlorobenzene	1.040	1.138	1.127	1.253	1.160	1.170	1.148	6
1,2,3-Trichlorobenzene	1.062	1.129	1.082	1.207	1.153	0.957	1.098	7.9
1,2-Dichloroethane-d4	0.801	0.567	0.649	0.726	0.714		0.692	12.7
Dibromofluoromethane	0.362	0.267	0.320	0.354	0.351		0.331	11.9
Toluene-d8	1.342	0.973	1.144	1.250	1.234		1.189	11.7
4-Bromofluorobenzene	0.513	0.354	0.426	0.466	0.456		0.443	13.3

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 09:33

Lab File ID: VX046728.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.534	0.573		7.3	20
Chloromethane	0.576	0.583	0.1	1.22	20
Vinyl Chloride	0.614	0.631		2.77	20
Bromomethane	0.346	0.376		8.67	20
Chloroethane	0.372	0.378		1.61	20
Trichlorofluoromethane	0.933	0.941		0.86	20
1,1,2-Trichlorotrifluoroethane	0.572	0.586		2.45	20
1,1-Dichloroethene	0.552	0.558		1.09	20
Acetone	0.231	0.225		-2.6	20
Carbon Disulfide	1.668	1.541		-7.61	20
Methyl tert-butyl Ether	1.720	1.613		-6.22	20
Methyl Acetate	0.586	0.525		-10.41	20
Methylene Chloride	0.641	0.606		-5.46	20
trans-1,2-Dichloroethene	0.591	0.568		-3.89	20
1,1-Dichloroethane	1.092	1.053	0.1	-3.57	20
Cyclohexane	1.036	0.970		-6.37	20
2-Butanone	0.326	0.284		-12.88	20
Carbon Tetrachloride	0.518	0.493		-4.83	20
cis-1,2-Dichloroethene	0.694	0.660		-4.9	20
Bromochloromethane	0.495	0.530		7.07	20
Chloroform	1.092	1.057		-3.2	20
1,1,1-Trichloroethane	0.958	0.905		-5.53	20
Methylcyclohexane	0.628	0.608		-3.18	20
Benzene	1.413	1.368		-3.18	20
1,2-Dichloroethane	0.497	0.472		-5.03	20
Trichloroethene	0.360	0.347		-3.61	20
1,2-Dichloropropane	0.350	0.339		-3.14	20
Bromodichloromethane	0.514	0.499		-2.92	20
4-Methyl-2-Pentanone	0.411	0.374		-9	20
Toluene	0.876	0.844		-3.65	20
t-1,3-Dichloropropene	0.477	0.472		-1.05	20
cis-1,3-Dichloropropene	0.541	0.535		-1.11	20
1,1,2-Trichloroethane	0.327	0.309		-5.51	20
2-Hexanone	0.284	0.256		-9.86	20
Dibromochloromethane	0.385	0.367		-4.68	20
1,2-Dibromoethane	0.332	0.316		-4.82	20
Tetrachloroethene	0.346	0.324		-6.36	20
Chlorobenzene	1.104	1.038	0.3	-5.98	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: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 09:33

Lab File ID: VX046728.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.848		-4.2	20
m/p-Xylenes	0.719	0.689		-4.17	20
o-Xylene	0.673	0.658		-2.23	20
Styrene	1.179	1.139		-3.39	20
Bromoform	0.282	0.268	0.1	-4.97	20
Isopropylbenzene	3.682	3.646		-0.98	20
1,1,2,2-Tetrachloroethane	1.028	0.964	0.3	-6.23	20
1,3-Dichlorobenzene	1.728	1.613		-6.66	20
1,4-Dichlorobenzene	1.775	1.625		-8.45	20
1,2-Dichlorobenzene	1.615	1.544		-4.4	20
1,2-Dibromo-3-Chloropropane	0.203	0.180		-11.33	20
1,2,4-Trichlorobenzene	1.148	1.075		-6.36	20
1,2,3-Trichlorobenzene	1.098	1.054		-4.01	20
1,2-Dichloroethane-d4	0.692	0.676		-2.31	20
Dibromofluoromethane	0.331	0.340		2.72	20
Toluene-d8	1.189	1.202		1.09	20
4-Bromofluorobenzene	0.443	0.443		0	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: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 20:01

Lab File ID: VX046756.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.534	0.495		-7.3	50
Chloromethane	0.576	0.545	0.1	-5.38	50
Vinyl Chloride	0.614	0.577		-6.03	50
Bromomethane	0.346	0.354		2.31	50
Chloroethane	0.372	0.348		-6.45	50
Trichlorofluoromethane	0.933	0.862		-7.61	50
1,1,2-Trichlorotrifluoroethane	0.572	0.515		-9.97	50
1,1-Dichloroethene	0.552	0.517		-6.34	50
Acetone	0.231	0.176		-23.81	50
Carbon Disulfide	1.668	1.433		-14.09	50
Methyl tert-butyl Ether	1.720	1.510		-12.21	50
Methyl Acetate	0.586	0.539		-8.02	50
Methylene Chloride	0.641	0.573		-10.61	50
trans-1,2-Dichloroethene	0.591	0.539		-8.8	50
1,1-Dichloroethane	1.092	1.005	0.1	-7.97	50
Cyclohexane	1.036	0.922		-11	50
2-Butanone	0.326	0.268		-17.79	50
Carbon Tetrachloride	0.518	0.455		-12.16	50
cis-1,2-Dichloroethene	0.694	0.632		-8.93	50
Bromochloromethane	0.495	0.505		2.02	50
Chloroform	1.092	1.017		-6.87	50
1,1,1-Trichloroethane	0.958	0.867		-9.5	50
Methylcyclohexane	0.628	0.546		-13.06	50
Benzene	1.413	1.295		-8.35	50
1,2-Dichloroethane	0.497	0.448		-9.86	50
Trichloroethene	0.360	0.325		-9.72	50
1,2-Dichloropropane	0.350	0.321		-8.29	50
Bromodichloromethane	0.514	0.475		-7.59	50
4-Methyl-2-Pentanone	0.411	0.348		-15.33	50
Toluene	0.876	0.801		-8.56	50
t-1,3-Dichloropropene	0.477	0.432		-9.43	50
cis-1,3-Dichloropropene	0.541	0.489		-9.61	50
1,1,2-Trichloroethane	0.327	0.294		-10.09	50
2-Hexanone	0.284	0.237		-16.55	50
Dibromochloromethane	0.385	0.345		-10.39	50
1,2-Dibromoethane	0.332	0.302		-9.04	50
Tetrachloroethene	0.346	0.299		-13.58	50
Chlorobenzene	1.104	0.976	0.3	-11.59	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: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 20:01

Lab File ID: VX046756.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.726		-10.52	50
m/p-Xylenes	0.719	0.649		-9.74	50
o-Xylene	0.673	0.627		-6.84	50
Styrene	1.179	1.077		-8.65	50
Bromoform	0.282	0.247	0.1	-12.41	50
Isopropylbenzene	3.682	3.343		-9.21	50
1,1,2,2-Tetrachloroethane	1.028	0.894	0.3	-13.03	50
1,3-Dichlorobenzene	1.728	1.510		-12.62	50
1,4-Dichlorobenzene	1.775	1.497		-15.66	50
1,2-Dichlorobenzene	1.615	1.425		-11.77	50
1,2-Dibromo-3-Chloropropane	0.203	0.162		-20.2	50
1,2,4-Trichlorobenzene	1.148	1.012		-11.85	50
1,2,3-Trichlorobenzene	1.098	0.970		-11.66	50
1,2-Dichloroethane-d4	0.692	0.697		0.72	50
Dibromofluoromethane	0.331	0.344		3.93	50
Toluene-d8	1.189	1.233		3.7	50
4-Bromofluorobenzene	0.443	0.468		5.64	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: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 09:43

Lab File ID: VX046758.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.534	0.565		5.8	20
Chloromethane	0.576	0.595	0.1	3.3	20
Vinyl Chloride	0.614	0.641		4.4	20
Bromomethane	0.346	0.384		10.98	20
Chloroethane	0.372	0.387		4.03	20
Trichlorofluoromethane	0.933	0.957		2.57	20
1,1,2-Trichlorotrifluoroethane	0.572	0.592		3.5	20
1,1-Dichloroethene	0.552	0.572		3.62	20
Acetone	0.231	0.185		-19.91	20
Carbon Disulfide	1.668	1.595		-4.38	20
Methyl tert-butyl Ether	1.720	1.569		-8.78	20
Methyl Acetate	0.586	0.480		-18.09	20
Methylene Chloride	0.641	0.618		-3.59	20
trans-1,2-Dichloroethene	0.591	0.587		-0.68	20
1,1-Dichloroethane	1.092	1.081	0.1	-1.01	20
Cyclohexane	1.036	1.018		-1.74	20
2-Butanone	0.326	0.263		-19.33	20
Carbon Tetrachloride	0.518	0.515		-0.58	20
cis-1,2-Dichloroethene	0.694	0.686		-1.15	20
Bromochloromethane	0.495	0.476		-3.84	20
Chloroform	1.092	1.093		0.09	20
1,1,1-Trichloroethane	0.958	0.939		-1.98	20
Methylcyclohexane	0.628	0.627		-0.32	20
Benzene	1.413	1.415		0.14	20
1,2-Dichloroethane	0.497	0.481		-3.22	20
Trichloroethene	0.360	0.357		-0.83	20
1,2-Dichloropropane	0.350	0.353		0.86	20
Bromodichloromethane	0.514	0.521		1.36	20
4-Methyl-2-Pentanone	0.411	0.339		-17.52	20
Toluene	0.876	0.877		0.11	20
t-1,3-Dichloropropene	0.477	0.481		0.84	20
cis-1,3-Dichloropropene	0.541	0.545		0.74	20
1,1,2-Trichloroethane	0.327	0.311		-4.89	20
2-Hexanone	0.284	0.229		-19.37	20
Dibromochloromethane	0.385	0.377		-2.08	20
1,2-Dibromoethane	0.332	0.317		-4.52	20
Tetrachloroethene	0.346	0.344		-0.58	20
Chlorobenzene	1.104	1.089	0.3	-1.36	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: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 09:43

Lab File ID: VX046758.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.918		-0.57	20
m/p-Xylenes	0.719	0.724		0.69	20
o-Xylene	0.673	0.687		2.08	20
Styrene	1.179	1.192		1.1	20
Bromoform	0.282	0.263	0.1	-6.74	20
Isopropylbenzene	3.682	3.747		1.76	20
1,1,2,2-Tetrachloroethane	1.028	0.933	0.3	-9.24	20
1,3-Dichlorobenzene	1.728	1.670		-3.36	20
1,4-Dichlorobenzene	1.775	1.693		-4.62	20
1,2-Dichlorobenzene	1.615	1.598		-1.05	20
1,2-Dibromo-3-Chloropropane	0.203	0.164		-19.21	20
1,2,4-Trichlorobenzene	1.148	1.111		-3.22	20
1,2,3-Trichlorobenzene	1.098	1.064		-3.1	20
1,2-Dichloroethane-d4	0.692	0.639		-7.66	20
Dibromofluoromethane	0.331	0.327		-1.21	20
Toluene-d8	1.189	1.166		-1.93	20
4-Bromofluorobenzene	0.443	0.433		-2.26	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 17:10

Lab File ID: VX046775.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.534	0.573		7.3	50
Chloromethane	0.576	0.601	0.1	4.34	50
Vinyl Chloride	0.614	0.661		7.66	50
Bromomethane	0.346	0.382		10.4	50
Chloroethane	0.372	0.413		11.02	50
Trichlorofluoromethane	0.933	0.983		5.36	50
1,1,2-Trichlorotrifluoroethane	0.572	0.614		7.34	50
1,1-Dichloroethene	0.552	0.592		7.25	50
Acetone	0.231	0.223		-3.46	50
Carbon Disulfide	1.668	1.588		-4.8	50
Methyl tert-butyl Ether	1.720	1.740		1.16	50
Methyl Acetate	0.586	0.608		3.75	50
Methylene Chloride	0.641	0.645		0.62	50
trans-1,2-Dichloroethene	0.591	0.612		3.55	50
1,1-Dichloroethane	1.092	1.144	0.1	4.76	50
Cyclohexane	1.036	1.061		2.41	50
2-Butanone	0.326	0.334		2.45	50
Carbon Tetrachloride	0.518	0.513		-0.96	50
cis-1,2-Dichloroethene	0.694	0.729		5.04	50
Bromochloromethane	0.495	0.513		3.64	50
Chloroform	1.092	1.155		5.77	50
1,1,1-Trichloroethane	0.958	0.973		1.57	50
Methylcyclohexane	0.628	0.645		2.71	50
Benzene	1.413	1.472		4.18	50
1,2-Dichloroethane	0.497	0.505		1.61	50
Trichloroethene	0.360	0.369		2.5	50
1,2-Dichloropropane	0.350	0.363		3.71	50
Bromodichloromethane	0.514	0.529		2.92	50
4-Methyl-2-Pentanone	0.411	0.419		1.95	50
Toluene	0.876	0.902		2.97	50
t-1,3-Dichloropropene	0.477	0.490		2.72	50
cis-1,3-Dichloropropene	0.541	0.565		4.44	50
1,1,2-Trichloroethane	0.327	0.339		3.67	50
2-Hexanone	0.284	0.287		1.06	50
Dibromochloromethane	0.385	0.396		2.86	50
1,2-Dibromoethane	0.332	0.339		2.11	50
Tetrachloroethene	0.346	0.348		0.58	50
Chlorobenzene	1.104	1.134	0.3	2.72	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: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 17:10

Lab File ID: VX046775.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.995		3.42	50
m/p-Xylenes	0.719	0.745		3.62	50
o-Xylene	0.673	0.716		6.39	50
Styrene	1.179	1.253		6.28	50
Bromoform	0.282	0.283	0.1	0.35	50
Isopropylbenzene	3.682	3.814		3.59	50
1,1,2,2-Tetrachloroethane	1.028	1.047	0.3	1.85	50
1,3-Dichlorobenzene	1.728	1.702		-1.5	50
1,4-Dichlorobenzene	1.775	1.686		-5.01	50
1,2-Dichlorobenzene	1.615	1.619		0.25	50
1,2-Dibromo-3-Chloropropane	0.203	0.194		-4.43	50
1,2,4-Trichlorobenzene	1.148	1.143		-0.44	50
1,2,3-Trichlorobenzene	1.098	1.103		0.46	50
1,2-Dichloroethane-d4	0.692	0.648		-6.36	50
Dibromofluoromethane	0.331	0.320		-3.32	50
Toluene-d8	1.189	1.138		-4.29	50
4-Bromofluorobenzene	0.443	0.431		-2.71	50

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