

LAB CHRONICLE

OrderID:	Q3194	OrderDate:	9/25/2025 9:03:00 AM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	A21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3194-01	TT189D1-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/01/25	09/24/25
Q3194-01DL	TT189D1-20250922DL	Water	VOCMS Group1	8260-Low	09/22/25		10/03/25	09/24/25
Q3194-02	RW11-MW01S-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/02/25	09/24/25
Q3194-05	TT150S1-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/03/25	09/24/25
Q3194-06	RW8-MW01D2-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/01/25	09/24/25
Q3194-07	RW8-MW01D3-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/01/25	09/24/25
Q3194-08	TT188S1-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/01/25	09/24/25
Q3194-09	TT192D2-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/02/25	09/24/25
Q3194-10	TT192D1-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/02/25	09/24/25
Q3194-11	DUP10-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/02/25	09/24/25

LAB CHRONICLE

Q3194-12	RW11-MW01I-20250922	Water		09/22/25	09/24/25
			VOCMS Group1	8260-Low	10/02/25
Q3194-13	TT163S1-20250924	Water		09/24/25	09/24/25
			VOCMS Group1	8260-Low	10/02/25
Q3194-14	RE139D1-20250924	Water		09/24/25	09/24/25
			VOCMS Group1	8260-Low	10/02/25
Q3194-15	EB05-20250924	Water		09/24/25	09/24/25
			VOCMS Group1	8260-Low	10/02/25
Q3194-15RE	EB05-20250924RE	Water		09/24/25	09/24/25
			VOCMS Group1	8260-Low	10/03/25
Q3194-16	EB06-20250924	Water		09/24/25	09/24/25
			VOCMS Group1	8260-Low	10/02/25
Q3194-17	FB01-20250924	Water		09/24/25	09/24/25
			VOCMS Group1	8260-Low	10/02/25
Q3194-18	TB09-20250912	Water		09/12/25	09/24/25
			VOCMS Group1	8260-Low	10/02/25

Hit Summary Sheet SW-846

SDG No.: Q3194
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	TT189D1-20250922								
Q3194-01	TT189D1-20250922	Water	Dichlorodifluoromethane	1.10		0.22	0.50	1.00	ug/L
Q3194-01	TT189D1-20250922	Water	1,1,2-Trichlorotrifluoroethane	18.8		0.25	0.50	1.00	ug/L
Q3194-01	TT189D1-20250922	Water	1,1-Dichloroethene	3.20		0.23	0.75	1.00	ug/L
Q3194-01	TT189D1-20250922	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q3194-01	TT189D1-20250922	Water	1,1-Dichloroethane	0.82	J	0.23	0.50	1.00	ug/L
Q3194-01	TT189D1-20250922	Water	Carbon Tetrachloride	1.10		0.25	0.50	1.00	ug/L
Q3194-01	TT189D1-20250922	Water	cis-1,2-Dichloroethene	3.40		0.19	0.75	1.00	ug/L
Q3194-01	TT189D1-20250922	Water	Chloroform	1.80		0.25	0.50	1.00	ug/L
Q3194-01	TT189D1-20250922	Water	Trichloroethene	300	E	0.090	0.75	1.00	ug/L
Q3194-01	TT189D1-20250922	Water	1,1,2-Trichloroethane	0.98	J	0.21	0.50	1.00	ug/L
			Total Voc :	333					
			Total Concentration:	333					
Client ID:	TT189D1-20250922DL								
Q3194-01DL	TT189D1-20250922	Water	1,1,2-Trichlorotrifluoroethane	18.7	D	1.30	2.50	5.00	ug/L
Q3194-01DL	TT189D1-20250922	Water	cis-1,2-Dichloroethene	2.80	JD	0.95	3.80	5.00	ug/L
Q3194-01DL	TT189D1-20250922	Water	Chloroform	1.90	JD	1.30	2.50	5.00	ug/L
Q3194-01DL	TT189D1-20250922	Water	Trichloroethene	280	D	0.47	3.80	5.00	ug/L
			Total Voc :	303					
			Total Concentration:	303					
Client ID:	RW11-MW01S-20250922								
Q3194-02	RW11-MW01S-202	Water	Trichloroethene	0.25	J	0.090	0.75	1.00	ug/L
Q3194-02	RW11-MW01S-202	Water	Toluene	0.28	J	0.14	0.50	1.00	ug/L
			Total Voc :	0.53					
			Total Concentration:	0.53					
Client ID:	TT150S1-20250922								
Q3194-05	TT150S1-20250922	Water	Trichloroethene	8.90		0.090	0.75	1.00	ug/L
Q3194-05	TT150S1-20250922	Water	Tetrachloroethene	0.81	J	0.23	0.50	1.00	ug/L
			Total Voc :	9.71					
			Total Concentration:	9.71					
Client ID:	RW8-MW01D2-20250922								
Q3194-06	RW8-MW01D2-202	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
Q3194-06	RW8-MW01D2-202	Water	Trichloroethene	0.37	J	0.090	0.75	1.00	ug/L
			Total Voc :	1.97					
			Total Concentration:	1.97					
Client ID:	RW8-MW01D3-20250922								
Q3194-07	RW8-MW01D3-202	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.80					
			Total Concentration:	1.80					

Hit Summary Sheet
SW-846

SDG No.: Q3194

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	TT188S1-20250922								
Q3194-08	TT188S1-20250922	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q3194-08	TT188S1-20250922	Water	Trichloroethene	5.70		0.090	0.75	1.00	ug/L
Q3194-08	TT188S1-20250922	Water	Tetrachloroethene	0.34	J	0.23	0.50	1.00	ug/L
			Total Voc :	7.74					
			Total Concentration:	7.74					
Client ID:	TT192D2-20250922								
Q3194-09	TT192D2-20250922	Water	Dichlorodifluoromethane	0.29	J	0.22	0.50	1.00	ug/L
Q3194-09	TT192D2-20250922	Water	1,1,2-Trichlorotrifluoroethane	0.56	J	0.25	0.50	1.00	ug/L
Q3194-09	TT192D2-20250922	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
Q3194-09	TT192D2-20250922	Water	Trichloroethene	0.27	J	0.090	0.75	1.00	ug/L
			Total Voc :	3.52					
			Total Concentration:	3.52					
Client ID:	TT192D1-20250922								
Q3194-10	TT192D1-20250922	Water	Acetone	2.00	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.00					
			Total Concentration:	2.00					
Client ID:	DUP10-20250922								
Q3194-11	DUP10-20250922	Water	Acetone	2.00	J	1.50	3.80	5.00	ug/L
Q3194-11	DUP10-20250922	Water	Carbon Disulfide	0.70	J	0.21	0.75	1.00	ug/L
			Total Voc :	2.70					
			Total Concentration:	2.70					
Client ID:	RW11-MW01I-20250922								
Q3194-12	RW11-MW01I-20250922	Water	Acetone	2.90	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.90					
			Total Concentration:	2.90					
Client ID:	TT163S1-20250924								
Q3194-13	TT163S1-20250924	Water	Acetone	1.50	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.50					
			Total Concentration:	1.50					
Client ID:	RE139D1-20250924								
Q3194-14	RE139D1-20250924	Water	1,1,2-Trichlorotrifluoroethane	3.60		0.25	0.50	1.00	ug/L
Q3194-14	RE139D1-20250924	Water	1,1-Dichloroethene	2.10		0.23	0.75	1.00	ug/L
Q3194-14	RE139D1-20250924	Water	Acetone	2.00	J	1.50	3.80	5.00	ug/L
Q3194-14	RE139D1-20250924	Water	Carbon Tetrachloride	0.89	J	0.25	0.50	1.00	ug/L
Q3194-14	RE139D1-20250924	Water	cis-1,2-Dichloroethene	1.20		0.19	0.75	1.00	ug/L
Q3194-14	RE139D1-20250924	Water	Chloroform	0.65	J	0.25	0.50	1.00	ug/L
Q3194-14	RE139D1-20250924	Water	Trichloroethene	140		0.090	0.75	1.00	ug/L
Q3194-14	RE139D1-20250924	Water	1,1,2-Trichloroethane	0.81	J	0.21	0.50	1.00	ug/L
			Total Voc :	151					

Hit Summary Sheet
SW-846

SDG No.: Q3194

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:				151					
Client ID:	EB05-20250924								
Q3194-15	EB05-20250924	Water	Acetone	5.20		1.50	3.80	5.00	ug/L
Total Voc :				5.20					
Total Concentration:				5.20					
Client ID:	EB05-20250924RE								
Q3194-15RE	EB05-20250924RE	Water	Acetone	12.4		1.50	3.80	5.00	ug/L
Q3194-15RE	EB05-20250924RE	Water	2-Butanone	22.2		0.98	2.50	5.00	ug/L
Total Voc :				34.6					
Total Concentration:				34.6					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT189D1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-01		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:	Date Analyzed	Prep Batch ID
VX047943.D	1	10/01/25 16:11	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10		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	18.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	3.20		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.70	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.82	J	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	1.10		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.40		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	1.80		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	300	E	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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT189D1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-01		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:	Date Analyzed	Prep Batch ID
VX047943.D	1	10/01/25 16:11	VX100125

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	0.98	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.1		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	128000	5.543				
540-36-3	1,4-Difluorobenzene	270000	6.751				
3114-55-4	Chlorobenzene-d5	277000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT189D1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-01		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:	Date Analyzed	Prep Batch ID
VX047943.D	1	10/01/25 16:11	VX100125

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT189D1-20250922DL		SDG No.:	Q3194	
Lab Sample ID:	Q3194-01DL		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:	Date Analyzed	Prep Batch ID
VX047985.D	5	10/03/25 11:34	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.60	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.30	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	7.20	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.40	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7	D	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.20	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.60	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.10	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	1.40	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.40	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.20	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	7.30	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	4.90	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2.80	JD	0.95	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	1.10	2.50	5.00	ug/L
67-66-3	Chloroform	1.90	JD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	1.00	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.80	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.75	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
79-01-6	Trichloroethene	280	D	0.47	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	1.00	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.10	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.40	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.70	2.50	5.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT189D1-20250922DL		SDG No.:	Q3194	
Lab Sample ID:	Q3194-01DL		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:	Date Analyzed	Prep Batch ID
VX047985.D	5	10/03/25 11:34	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	0.85	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.80	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	4.50	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.75	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.20	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.60	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.65	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.20	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.60	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.75	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	0.95	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.60	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.30	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.70	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	1.00	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	1.00	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.6		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	47.7		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.538				
540-36-3	1,4-Difluorobenzene	272000	6.751				
3114-55-4	Chlorobenzene-d5	276000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	137000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT189D1-20250922DL		SDG No.:	Q3194	
Lab Sample ID:	Q3194-01DL		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:	Date Analyzed	Prep Batch ID
VX047985.D	5	10/03/25 11:34	VX100325

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW01S-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-02		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:	Date Analyzed	Prep Batch ID
VX047976.D	1	10/02/25 17:56	VX100225

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	0.25	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	0.28	J	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW01S-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-02		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:	Date Analyzed	Prep Batch ID
VX047976.D	1	10/02/25 17:56	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.5		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.544				
540-36-3	1,4-Difluorobenzene	250000	6.751				
3114-55-4	Chlorobenzene-d5	260000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	131000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW01S-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-02		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:	Date Analyzed	Prep Batch ID
VX047976.D	1	10/02/25 17:56	VX100225

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT150S1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-05		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:	Date Analyzed	Prep Batch ID
VX047989.D	1	10/03/25 13:30	VX100325

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	8.90		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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT150S1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-05		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:	Date Analyzed	Prep Batch ID
VX047989.D	1	10/03/25 13:30	VX100325

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	0.81	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	51.8		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.544				
540-36-3	1,4-Difluorobenzene	274000	6.745				
3114-55-4	Chlorobenzene-d5	283000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT150S1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-05		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:	Date Analyzed	Prep Batch ID
VX047989.D	1	10/03/25 13:30	VX100325

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01D2-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-06		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:	Date Analyzed	Prep Batch ID
VX047945.D	1	10/01/25 16:53	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.37	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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01D2-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-06		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:	Date Analyzed	Prep Batch ID
VX047945.D	1	10/01/25 16:53	VX100125

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	50.9		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123000	5.544				
540-36-3	1,4-Difluorobenzene	252000	6.751				
3114-55-4	Chlorobenzene-d5	257000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	127000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01D2-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-06		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:	Date Analyzed	Prep Batch ID
VX047945.D	1	10/01/25 16:53	VX100125

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01D3-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-07		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:	Date Analyzed	Prep Batch ID
VX047946.D	1	10/01/25 17:14	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01D3-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-07		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:	Date Analyzed	Prep Batch ID
VX047946.D	1	10/01/25 17:14	VX100125

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	51.8		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.544				
540-36-3	1,4-Difluorobenzene	247000	6.751				
3114-55-4	Chlorobenzene-d5	254000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	127000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01D3-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-07		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:	Date Analyzed	Prep Batch ID
VX047946.D	1	10/01/25 17:14	VX100125

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT188S1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-08		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:	Date Analyzed	Prep Batch ID
VX047947.D	1	10/01/25 17:35	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.70	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	5.70		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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT188S1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-08		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:	Date Analyzed	Prep Batch ID
VX047947.D	1	10/01/25 17:35	VX100125

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	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123000	5.544				
540-36-3	1,4-Difluorobenzene	253000	6.751				
3114-55-4	Chlorobenzene-d5	260000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT188S1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-08		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:	Date Analyzed	Prep Batch ID
VX047947.D	1	10/01/25 17:35	VX100125

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT192D2-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-09		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:	Date Analyzed	Prep Batch ID
VX047969.D	1	10/02/25 15:31	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.29	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	0.56	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	2.40	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.27	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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT192D2-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-09		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:	Date Analyzed	Prep Batch ID
VX047969.D	1	10/02/25 15:31	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	269000	6.751				
3114-55-4	Chlorobenzene-d5	277000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	141000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT192D2-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-09		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:	Date Analyzed	Prep Batch ID
VX047969.D	1	10/02/25 15:31	VX100225

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT192D1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-10		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:	Date Analyzed	Prep Batch ID
VX047970.D	1	10/02/25 15:52	VX100225

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	2.00	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT192D1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-10		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:	Date Analyzed	Prep Batch ID
VX047970.D	1	10/02/25 15:52	VX100225

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	56.3		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.9		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	139000	5.544				
540-36-3	1,4-Difluorobenzene	285000	6.745				
3114-55-4	Chlorobenzene-d5	300000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	150000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT192D1-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-10		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:	Date Analyzed	Prep Batch ID
VX047970.D	1	10/02/25 15:52	VX100225

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	DUP10-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-11		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:	Date Analyzed	Prep Batch ID
VX047971.D	1	10/02/25 16:12	VX100225

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	2.00	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.70	J	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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	DUP10-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-11		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:	Date Analyzed	Prep Batch ID
VX047971.D	1	10/02/25 16:12	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.1		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	118000	5.544				
540-36-3	1,4-Difluorobenzene	245000	6.751				
3114-55-4	Chlorobenzene-d5	255000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	130000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	DUP10-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-11		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:	Date Analyzed	Prep Batch ID
VX047971.D	1	10/02/25 16:12	VX100225

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW011-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-12		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:	Date Analyzed	Prep Batch ID
VX047972.D	1	10/02/25 16:33	VX100225

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	2.90	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW011-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-12		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:	Date Analyzed	Prep Batch ID
VX047972.D	1	10/02/25 16:33	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.1		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	135000	5.544				
540-36-3	1,4-Difluorobenzene	280000	6.751				
3114-55-4	Chlorobenzene-d5	292000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	150000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW011-20250922		SDG No.:	Q3194	
Lab Sample ID:	Q3194-12		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:	Date Analyzed	Prep Batch ID
VX047972.D	1	10/02/25 16:33	VX100225

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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT163S1-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-13		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:	Date Analyzed	Prep Batch ID
VX047973.D	1	10/02/25 16:54	VX100225

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT163S1-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-13		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:	Date Analyzed	Prep Batch ID
VX047973.D	1	10/02/25 16:54	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.8		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.538				
540-36-3	1,4-Difluorobenzene	271000	6.751				
3114-55-4	Chlorobenzene-d5	285000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	147000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT163S1-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-13		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:	Date Analyzed	Prep Batch ID
VX047973.D	1	10/02/25 16:54	VX100225

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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE139D1-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-14		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:	Date Analyzed	Prep Batch ID
VX047974.D	1	10/02/25 17:15	VX100225

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	3.60		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.00	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.89	J	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.20		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	0.65	J	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	140		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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE139D1-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-14		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:	Date Analyzed	Prep Batch ID
VX047974.D	1	10/02/25 17:15	VX100225

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	0.81	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.544				
540-36-3	1,4-Difluorobenzene	248000	6.751				
3114-55-4	Chlorobenzene-d5	257000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	133000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE139D1-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-14		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:	Date Analyzed	Prep Batch ID
VX047974.D	1	10/02/25 17:15	VX100225

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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB05-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-15		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:	Date Analyzed	Prep Batch ID
VX047965.D	1	10/02/25 14:08	VX100225

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	5.20		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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB05-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-15		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:	Date Analyzed	Prep Batch ID
VX047965.D	1	10/02/25 14:08	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.544				
540-36-3	1,4-Difluorobenzene	253000	6.751				
3114-55-4	Chlorobenzene-d5	264000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	134000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB05-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-15		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:	Date Analyzed	Prep Batch ID
VX047965.D	1	10/02/25 14:08	VX100225

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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB05-20250924RE		SDG No.:	Q3194	
Lab Sample ID:	Q3194-15RE		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:	Date Analyzed	Prep Batch ID
VX047987.D	1	10/03/25 12:49	VX100325

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	12.4		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	22.2		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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB05-20250924RE		SDG No.:	Q3194	
Lab Sample ID:	Q3194-15RE		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:	Date Analyzed	Prep Batch ID
VX047987.D	1	10/03/25 12:49	VX100325

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	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	133000	5.538				
540-36-3	1,4-Difluorobenzene	267000	6.745				
3114-55-4	Chlorobenzene-d5	278000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB05-20250924RE		SDG No.:	Q3194	
Lab Sample ID:	Q3194-15RE		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:	Date Analyzed	Prep Batch ID
VX047987.D	1	10/03/25 12:49	VX100325

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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB06-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-16		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:	Date Analyzed	Prep Batch ID
VX047966.D	1	10/02/25 14:29	VX100225

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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB06-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-16		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:	Date Analyzed	Prep Batch ID
VX047966.D	1	10/02/25 14:29	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.543				
540-36-3	1,4-Difluorobenzene	278000	6.75				
3114-55-4	Chlorobenzene-d5	281000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB06-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-16		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:	Date Analyzed	Prep Batch ID
VX047966.D	1	10/02/25 14:29	VX100225

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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	FB01-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-17		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:	Date Analyzed	Prep Batch ID
VX047967.D	1	10/02/25 14:50	VX100225

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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	FB01-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-17		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:	Date Analyzed	Prep Batch ID
VX047967.D	1	10/02/25 14:50	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	5.544				
540-36-3	1,4-Difluorobenzene	269000	6.751				
3114-55-4	Chlorobenzene-d5	280000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	FB01-20250924		SDG No.:	Q3194	
Lab Sample ID:	Q3194-17		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:	Date Analyzed	Prep Batch ID
VX047967.D	1	10/02/25 14:50	VX100225

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:	09/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TB09-20250912		SDG No.:	Q3194	
Lab Sample ID:	Q3194-18		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:	Date Analyzed	Prep Batch ID
VX047968.D	1	10/02/25 15:10	VX100225

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:	09/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TB09-20250912		SDG No.:	Q3194	
Lab Sample ID:	Q3194-18		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:	Date Analyzed	Prep Batch ID
VX047968.D	1	10/02/25 15:10	VX100225

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	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	125000	5.544				
540-36-3	1,4-Difluorobenzene	254000	6.751				
3114-55-4	Chlorobenzene-d5	264000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	131000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/12/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TB09-20250912		SDG No.:	Q3194	
Lab Sample ID:	Q3194-18		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:	Date Analyzed	Prep Batch ID
VX047968.D	1	10/02/25 15:10	VX100225

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.: **Q3194**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3194-01	TT189D1-20250922	1,2-Dichloroethane-d4	50	55.1	110		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q3194-01DL	TT189D1-20250922DL	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	48.9	98		80	119
		Toluene-d8	50	47.8	95		89	112
		4-Bromofluorobenzene	50	53.4	107		85	114
Q3194-02	RW11-MW01S-20250922	1,2-Dichloroethane-d4	50	55.5	111		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	48.9	98		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
Q3194-03MS	RW11-MW01S-20250922MS	1,2-Dichloroethane-d4	50	56.4	113		81	118
		Dibromofluoromethane	50	53.4	107		80	119
		Toluene-d8	50	51.3	103		89	112
		4-Bromofluorobenzene	50	52.8	106		85	114
Q3194-04MSD	RW11-MW01S-20250922MSD	1,2-Dichloroethane-d4	50	53.9	108		81	118
		Dibromofluoromethane	50	54.0	108		80	119
		Toluene-d8	50	52.1	104		89	112
		4-Bromofluorobenzene	50	52.6	105		85	114
Q3194-05	TT150S1-20250922	1,2-Dichloroethane-d4	50	51.8	104		81	118
		Dibromofluoromethane	50	49.1	98		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	55.3	111		85	114
Q3194-06	RW8-MW01D2-20250922	1,2-Dichloroethane-d4	50	50.9	102		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	53.0	106		85	114
Q3194-07	RW8-MW01D3-20250922	1,2-Dichloroethane-d4	50	51.8	104		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	53.8	108		85	114
Q3194-08	TT188S1-20250922	1,2-Dichloroethane-d4	50	53.0	106		81	118
		Dibromofluoromethane	50	50.5	101		80	119
		Toluene-d8	50	49.6	99		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
Q3194-09	TT192D2-20250922	1,2-Dichloroethane-d4	50	53.8	107		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	55.9	112		85	114
Q3194-10	TT192D1-20250922	1,2-Dichloroethane-d4	50	56.3	113		81	118
		Dibromofluoromethane	50	51.9	104		80	119
		Toluene-d8	50	49.9	100		89	112
		4-Bromofluorobenzene	50	56.9	114		85	114
Q3194-11	DUP10-20250922	1,2-Dichloroethane-d4	50	55.1	110		81	118
		Dibromofluoromethane	50	51.1	102		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	55.0	110		85	114
Q3194-12	RW11-MW01I-20250922	1,2-Dichloroethane-d4	50	54.7	109		81	118
		Dibromofluoromethane	50	50.6	101		80	119

Surrogate Summary

SDG No.: **Q3194**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3194-12	RW11-MW01I-20250922	Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	57.1	114		85	114
Q3194-13	TT163S1-20250924	1,2-Dichloroethane-d4	50	55.8	112		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	56.0	112		85	114
Q3194-14	RE139D1-20250924	1,2-Dichloroethane-d4	50	55.6	111		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	56.0	112		85	114
Q3194-15	EB05-20250924	1,2-Dichloroethane-d4	50	54.2	108		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	55.9	112		85	114
Q3194-15RE	EB05-20250924RE	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	55.8	112		85	114
Q3194-16	EB06-20250924	1,2-Dichloroethane-d4	50	53.6	107		81	118
		Dibromofluoromethane	50	50.0	100		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	56.3	113		85	114
Q3194-17	FB01-20250924	1,2-Dichloroethane-d4	50	53.5	107		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	49.3	99		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q3194-18	TB09-20250912	1,2-Dichloroethane-d4	50	50.0	100		81	118
		Dibromofluoromethane	50	48.5	97		80	119
		Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	53.7	107		85	114
VX1001WBL01	VX1001WBL01	1,2-Dichloroethane-d4	50	54.2	108		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	55.8	112		85	114
VX1001WBS01	VX1001WBS01	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	52.6	105		80	119
		Toluene-d8	50	51.9	104		89	112
		4-Bromofluorobenzene	50	51.3	103		85	114
VX1002WBL01	VX1002WBL01	1,2-Dichloroethane-d4	50	53.9	108		81	118
		Dibromofluoromethane	50	50.6	101		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	56.7	113		85	114
VX1002WBS01	VX1002WBS01	1,2-Dichloroethane-d4	50	46.4	93		81	118
		Dibromofluoromethane	50	51.8	104		80	119
		Toluene-d8	50	52.5	105		89	112
		4-Bromofluorobenzene	50	52.0	104		85	114
VX1003WBL01	VX1003WBL01	1,2-Dichloroethane-d4	50	56.6	113		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	49.4	99		89	112
		4-Bromofluorobenzene	50	57.0	114		85	114

Surrogate Summary

SDG No.: Q3194

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX1003WBS02	VX1003WBS02	1,2-Dichloroethane-d4	50	53.6	107		81	118
		Dibromofluoromethane	50	55.1	110		80	119
		Toluene-d8	50	53.6	107		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3194

Analytical Method:

SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile :

VX047977.D

		Sample				Rec	RPD	Limits		
Parameter	Spike	Result	Result	Units	Rec Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3194-03MS	Client Sample ID :	RW11-MW01S-20250922MS							
Dichlorodifluoromethane	50	0	48.3	ug/L	97			32	152	
Chloromethane	50	0	47.4	ug/L	95			50	139	
Vinyl chloride	50	0	49.1	ug/L	98			58	137	
Bromomethane	50	0	50.2	ug/L	100			53	141	
Chloroethane	50	0	49.0	ug/L	98			60	138	
Trichlorofluoromethane	50	0	50.0	ug/L	100			65	141	
1,1,2-Trichlorotrifluoroethane	50	0	47.7	ug/L	95			70	136	
1,1-Dichloroethene	50	0	48.7	ug/L	97			71	131	
Acetone	250	0	200	ug/L	80			39	160	
Carbon disulfide	50	0	45.3	ug/L	91			64	133	
Methyl tert-butyl Ether	50	0	50.9	ug/L	102			71	124	
Methyl Acetate	50	0	41.9	ug/L	84			56	136	
Methylene Chloride	50	0	50.6	ug/L	101			74	124	
trans-1,2-Dichloroethene	50	0	49.9	ug/L	100			75	124	
1,1-Dichloroethane	50	0	52.5	ug/L	105			77	125	
Cyclohexane	50	0	43.1	ug/L	86			71	130	
2-Butanone	250	0	240	ug/L	96			56	143	
Carbon Tetrachloride	50	0	45.2	ug/L	90			72	136	
cis-1,2-Dichloroethene	50	0	51.4	ug/L	103			78	123	
Bromochloromethane	50	0	53.7	ug/L	107			78	123	
Chloroform	50	0	53.4	ug/L	107			79	124	
1,1,1-Trichloroethane	50	0	50.9	ug/L	102			74	131	
Methylcyclohexane	50	0	38.5	ug/L	77			72	132	
Benzene	50	0	47.7	ug/L	95			79	120	
1,2-Dichloroethane	50	0	48.8	ug/L	98			73	128	
Trichloroethene	50	0.25	46.1	ug/L	92			79	123	
1,2-Dichloropropane	50	0	49.0	ug/L	98			78	122	
Bromodichloromethane	50	0	50.0	ug/L	100			79	125	
4-Methyl-2-Pentanone	250	0	250	ug/L	100			67	130	
Toluene	50	0.28	47.9	ug/L	95			80	121	
t-1,3-Dichloropropene	50	0	42.2	ug/L	84			73	127	
cis-1,3-Dichloropropene	50	0	41.9	ug/L	84			75	124	
1,1,2-Trichloroethane	50	0	50.5	ug/L	101			80	119	
2-Hexanone	250	0	230	ug/L	92			57	139	
Dibromochloromethane	50	0	51.3	ug/L	103			74	126	
1,2-Dibromoethane	50	0	49.9	ug/L	100			77	121	
Tetrachloroethene	50	0	40.6	ug/L	81			74	129	
Chlorobenzene	50	0	45.5	ug/L	91			82	118	
Ethyl Benzene	50	0	44.3	ug/L	89			79	121	
m/p-Xylenes	100	0	88.3	ug/L	88			80	121	
o-Xylene	50	0	45.3	ug/L	91			78	122	
Styrene	50	0	45.4	ug/L	91			78	123	
Bromoform	50	0	47.1	ug/L	94			66	130	
Isopropylbenzene	50	0	41.6	ug/L	83			72	131	
1,1,2,2-Tetrachloroethane	50	0	45.0	ug/L	90			71	121	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3194

Analytical Method: SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile : VX047977.D

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	41.2	ug/L	82				80	119	
1,4-Dichlorobenzene	50	0	41.4	ug/L	83				79	118	
1,2-Dichlorobenzene	50	0	42.6	ug/L	85				80	119	
1,2-Dibromo-3-Chloropropane	50	0	42.0	ug/L	84				62	128	
1,2,4-Trichlorobenzene	50	0	38.3	ug/L	77				69	130	
1,2,3-Trichlorobenzene	50	0	40.4	ug/L	81				69	129	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3194

Analytical Method: SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile : VX047978.D

Parameter	Spike	Sample	Result	Units	Rec		RPD		Limits		RPD
		Result			Qual	RPD	Qual	Low	High		
Lab Sample ID :	Q3194-04MSD	Client Sample ID :	RW11-MW01S-20250922MSD								
Dichlorodifluoromethane	50	0	50.9	ug/L	102		5		32	152	20
Chloromethane	50	0	50.3	ug/L	101		6		50	139	20
Vinyl chloride	50	0	52.4	ug/L	105		7		58	137	20
Bromomethane	50	0	54.1	ug/L	108		7		53	141	20
Chloroethane	50	0	53.9	ug/L	108		10		60	138	20
Trichlorofluoromethane	50	0	52.0	ug/L	104		4		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	50.6	ug/L	101		6		70	136	20
1,1-Dichloroethene	50	0	52.3	ug/L	105		7		71	131	20
Acetone	250	0	220	ug/L	88		10		39	160	20
Carbon disulfide	50	0	48.8	ug/L	98		7		64	133	20
Methyl tert-butyl Ether	50	0	55.8	ug/L	112		9		71	124	20
Methyl Acetate	50	0	45.9	ug/L	92		9		56	136	20
Methylene Chloride	50	0	54.3	ug/L	109		7		74	124	20
trans-1,2-Dichloroethene	50	0	54.2	ug/L	108		8		75	124	20
1,1-Dichloroethane	50	0	56.8	ug/L	114		8		77	125	20
Cyclohexane	50	0	48.1	ug/L	96		11		71	130	20
2-Butanone	250	0	260	ug/L	104		8		56	143	20
Carbon Tetrachloride	50	0	51.1	ug/L	102		12		72	136	20
cis-1,2-Dichloroethene	50	0	56.2	ug/L	112		9		78	123	20
Bromochloromethane	50	0	57.7	ug/L	115		7		78	123	20
Chloroform	50	0	58.7	ug/L	117		9		79	124	20
1,1,1-Trichloroethane	50	0	55.1	ug/L	110		8		74	131	20
Methylcyclohexane	50	0	44.4	ug/L	89		14		72	132	20
Benzene	50	0	53.8	ug/L	108		12		79	120	20
1,2-Dichloroethane	50	0	54.1	ug/L	108		10		73	128	20
Trichloroethene	50	0.25	53.1	ug/L	106		14		79	123	20
1,2-Dichloropropane	50	0	56.0	ug/L	112		13		78	122	20
Bromodichloromethane	50	0	57.0	ug/L	114		13		79	125	20
4-Methyl-2-Pentanone	250	0	280	ug/L	112		11		67	130	20
Toluene	50	0.28	54.6	ug/L	109		14		80	121	20
t-1,3-Dichloropropene	50	0	48.4	ug/L	97		14		73	127	20
cis-1,3-Dichloropropene	50	0	48.2	ug/L	96		14		75	124	20
1,1,2-Trichloroethane	50	0	57.6	ug/L	115		13		80	119	20
2-Hexanone	250	0	270	ug/L	108		16		57	139	20
Dibromochloromethane	50	0	59.0	ug/L	118		14		74	126	20
1,2-Dibromoethane	50	0	58.5	ug/L	117		16		77	121	20
Tetrachloroethene	50	0	49.0	ug/L	98		19		74	129	20
Chlorobenzene	50	0	53.4	ug/L	107		16		82	118	20
Ethyl Benzene	50	0	51.8	ug/L	104		16		79	121	20
m/p-Xylenes	100	0	100	ug/L	100		12		80	121	20
o-Xylene	50	0	52.9	ug/L	106		15		78	122	20
Styrene	50	0	53.7	ug/L	107		17		78	123	20
Bromoform	50	0	56.3	ug/L	113		18		66	130	20
Isopropylbenzene	50	0	49.6	ug/L	99		18		72	131	20
1,1,2,2-Tetrachloroethane	50	0	53.6	ug/L	107		17		71	121	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3194

Analytical Method: SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile : VX047978.D

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		
					Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	50.0	ug/L	100		19		80	119	20
1,4-Dichlorobenzene	50	0	49.4	ug/L	99		18		79	118	20
1,2-Dichlorobenzene	50	0	51.7	ug/L	103		19		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	48.5	ug/L	97		14		62	128	20
1,2,4-Trichlorobenzene	50	0	47.6	ug/L	95		22	*	69	130	20
1,2,3-Trichlorobenzene	50	0	51.0	ug/L	102		23	*	69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3194</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047928.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1001WBS01	Dichlorodifluoromethane	20	20.1	ug/L	101			32	152	
	Chloromethane	20	18.7	ug/L	94			50	139	
	Vinyl chloride	20	19.5	ug/L	98			58	137	
	Bromomethane	20	22.4	ug/L	112			53	141	
	Chloroethane	20	19.4	ug/L	97			60	138	
	Trichlorofluoromethane	20	19.5	ug/L	98			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			70	136	
	1,1-Dichloroethene	20	19.5	ug/L	98			71	131	
	Acetone	100	95.2	ug/L	95			39	160	
	Carbon disulfide	20	18.2	ug/L	91			64	133	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			71	124	
	Methyl Acetate	20	20.2	ug/L	101			56	136	
	Methylene Chloride	20	20.8	ug/L	104			74	124	
	trans-1,2-Dichloroethene	20	19.6	ug/L	98			75	124	
	1,1-Dichloroethane	20	20.6	ug/L	103			77	125	
	Cyclohexane	20	18.2	ug/L	91			71	130	
	2-Butanone	100	95.9	ug/L	96			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	20.7	ug/L	104			78	123	
	Bromochloromethane	20	19.4	ug/L	97			78	123	
	Chloroform	20	21.2	ug/L	106			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	17.8	ug/L	89			72	132	
	Benzene	20	20.2	ug/L	101			79	120	
	1,2-Dichloroethane	20	20.4	ug/L	102			73	128	
	Trichloroethene	20	20.0	ug/L	100			79	123	
	1,2-Dichloropropane	20	21.1	ug/L	106			78	122	
	Bromodichloromethane	20	21.0	ug/L	105			79	125	
	4-Methyl-2-Pentanone	100	99.9	ug/L	100			67	130	
	Toluene	20	20.1	ug/L	101			80	121	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			75	124	
	1,1,2-Trichloroethane	20	21.4	ug/L	107			80	119	
	2-Hexanone	100	96.8	ug/L	97			57	139	
	Dibromochloromethane	20	21.6	ug/L	108			74	126	
	1,2-Dibromoethane	20	21.3	ug/L	106			77	121	
	Tetrachloroethene	20	19.0	ug/L	95			74	129	
	Chlorobenzene	20	20.2	ug/L	101			82	118	
	Ethyl Benzene	20	19.3	ug/L	97			79	121	
	m/p-Xylenes	40	39.2	ug/L	98			80	121	
	o-Xylene	20	19.5	ug/L	98			78	122	
	Styrene	20	19.9	ug/L	100			78	123	
	Bromoform	20	20.3	ug/L	102			66	130	
	Isopropylbenzene	20	18.9	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			71	121	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.: Q3194 SW-846 Analytical Method: SW8260-Low
Client: AECOM Technical Services, Inc. Datafile : VX047928.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX1001WBS01	1,2-Dibromo-3-Chloropropane	20	16.6	ug/L	83			62	128	
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91			69	130	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3194</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047956.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1002WBS01	Dichlorodifluoromethane	20	19.3	ug/L	97			32	152	
	Chloromethane	20	15.7	ug/L	79			50	139	
	Vinyl chloride	20	17.6	ug/L	88			58	137	
	Bromomethane	20	19.0	ug/L	95			53	141	
	Chloroethane	20	17.5	ug/L	88			60	138	
	Trichlorofluoromethane	20	19.0	ug/L	95			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99			70	136	
	1,1-Dichloroethene	20	17.4	ug/L	87			71	131	
	Acetone	100	70.9	ug/L	71			39	160	
	Carbon disulfide	20	16.2	ug/L	81			64	133	
	Methyl tert-butyl Ether	20	15.7	ug/L	79			71	124	
	Methyl Acetate	20	15.5	ug/L	78			56	136	
	Methylene Chloride	20	16.8	ug/L	84			74	124	
	trans-1,2-Dichloroethene	20	17.3	ug/L	86			75	124	
	1,1-Dichloroethane	20	17.4	ug/L	87			77	125	
	Cyclohexane	20	17.6	ug/L	88			71	130	
	2-Butanone	100	69.4	ug/L	69			56	143	
	Carbon Tetrachloride	20	18.8	ug/L	94			72	136	
	cis-1,2-Dichloroethene	20	16.9	ug/L	85			78	123	
	Bromochloromethane	20	19.6	ug/L	98			78	123	
	Chloroform	20	18.1	ug/L	91			79	124	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			74	131	
	Methylcyclohexane	20	18.2	ug/L	91			72	132	
	Benzene	20	18.3	ug/L	92			79	120	
	1,2-Dichloroethane	20	17.3	ug/L	86			73	128	
	Trichloroethene	20	18.3	ug/L	92			79	123	
	1,2-Dichloropropane	20	18.0	ug/L	90			78	122	
	Bromodichloromethane	20	18.4	ug/L	92			79	125	
	4-Methyl-2-Pentanone	100	77.3	ug/L	77			67	130	
	Toluene	20	18.3	ug/L	92			80	121	
	t-1,3-Dichloropropene	20	17.3	ug/L	86			73	127	
	cis-1,3-Dichloropropene	20	17.9	ug/L	90			75	124	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			80	119	
	2-Hexanone	100	74.2	ug/L	74			57	139	
	Dibromochloromethane	20	18.4	ug/L	92			74	126	
	1,2-Dibromoethane	20	17.7	ug/L	89			77	121	
	Tetrachloroethene	20	18.8	ug/L	94			74	129	
	Chlorobenzene	20	18.4	ug/L	92			82	118	
	Ethyl Benzene	20	18.1	ug/L	91			79	121	
	m/p-Xylenes	40	37.1	ug/L	93			80	121	
	o-Xylene	20	18.1	ug/L	91			78	122	
	Styrene	20	18.0	ug/L	90			78	123	
	Bromoform	20	17.8	ug/L	89			66	130	
	Isopropylbenzene	20	17.5	ug/L	88			72	131	
	1,1,2,2-Tetrachloroethane	20	16.1	ug/L	81			71	121	
	1,3-Dichlorobenzene	20	17.6	ug/L	88			80	119	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			79	118	
	1,2-Dichlorobenzene	20	17.0	ug/L	85			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3194</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047956.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1002WBS01	1,2-Dibromo-3-Chloropropane	20	13.4	ug/L	67			62	128	
	1,2,4-Trichlorobenzene	20	15.5	ug/L	78			69	130	
	1,2,3-Trichlorobenzene	20	15.7	ug/L	79			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3194</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047986.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1003WBS02	Dichlorodifluoromethane	20	18.7	ug/L	94			32	152	
	Chloromethane	20	17.0	ug/L	85			50	139	
	Vinyl chloride	20	18.1	ug/L	91			58	137	
	Bromomethane	20	20.3	ug/L	102			53	141	
	Chloroethane	20	18.2	ug/L	91			60	138	
	Trichlorofluoromethane	20	18.9	ug/L	95			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			70	136	
	1,1-Dichloroethene	20	18.2	ug/L	91			71	131	
	Acetone	100	75.3	ug/L	75			39	160	
	Carbon disulfide	20	16.4	ug/L	82			64	133	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			71	124	
	Methyl Acetate	20	19.9	ug/L	100			56	136	
	Methylene Chloride	20	19.6	ug/L	98			74	124	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	124	
	1,1-Dichloroethane	20	19.7	ug/L	99			77	125	
	Cyclohexane	20	17.0	ug/L	85			71	130	
	2-Butanone	100	85.5	ug/L	86			56	143	
	Carbon Tetrachloride	20	19.0	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			78	123	
	Bromochloromethane	20	20.3	ug/L	102			78	123	
	Chloroform	20	20.4	ug/L	102			79	124	
	1,1,1-Trichloroethane	20	19.8	ug/L	99			74	131	
	Methylcyclohexane	20	17.7	ug/L	89			72	132	
	Benzene	20	19.6	ug/L	98			79	120	
	1,2-Dichloroethane	20	20.3	ug/L	102			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	20.4	ug/L	102			78	122	
	Bromodichloromethane	20	20.9	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	96.3	ug/L	96			67	130	
	Toluene	20	19.4	ug/L	97			80	121	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			73	127	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.9	ug/L	104			80	119	
	2-Hexanone	100	88.5	ug/L	89			57	139	
	Dibromochloromethane	20	21.2	ug/L	106			74	126	
	1,2-Dibromoethane	20	20.7	ug/L	104			77	121	
	Tetrachloroethene	20	18.7	ug/L	94			74	129	
	Chlorobenzene	20	19.4	ug/L	97			82	118	
	Ethyl Benzene	20	18.7	ug/L	94			79	121	
	m/p-Xylenes	40	37.8	ug/L	95			80	121	
	o-Xylene	20	19.1	ug/L	96			78	122	
	Styrene	20	19.0	ug/L	95			78	123	
	Bromoform	20	19.9	ug/L	100			66	130	
	Isopropylbenzene	20	18.3	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			71	121	
	1,3-Dichlorobenzene	20	18.9	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3194</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047986.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1003WBS02	1,2-Dibromo-3-Chloropropane	20	16.4	ug/L	82			62	128	
	1,2,4-Trichlorobenzene	20	17.5	ug/L	88			69	130	
	1,2,3-Trichlorobenzene	20	17.7	ug/L	89			69	129	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1001WBL01

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3194

Lab File ID: VX047927.D

Lab Sample ID: VX1001WBL01

Date Analyzed: 10/01/2025

Time Analyzed: 10:03

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
VX1001WBS01	VX1001WBS01	VX047928.D	10/01/2025
TT189D1-20250922	Q3194-01	VX047943.D	10/01/2025
RW8-MW01D2-20250922	Q3194-06	VX047945.D	10/01/2025
RW8-MW01D3-20250922	Q3194-07	VX047946.D	10/01/2025
TT188S1-20250922	Q3194-08	VX047947.D	10/01/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1002WBL01

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3194

Lab File ID: VX047955.D

Lab Sample ID: VX1002WBL01

Date Analyzed: 10/02/2025

Time Analyzed: 10:09

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
VX1002WBS01	VX1002WBS01	VX047956.D	10/02/2025
EB05-20250924	Q3194-15	VX047965.D	10/02/2025
EB06-20250924	Q3194-16	VX047966.D	10/02/2025
FB01-20250924	Q3194-17	VX047967.D	10/02/2025
TB09-20250912	Q3194-18	VX047968.D	10/02/2025
TT192D2-20250922	Q3194-09	VX047969.D	10/02/2025
TT192D1-20250922	Q3194-10	VX047970.D	10/02/2025
DUP10-20250922	Q3194-11	VX047971.D	10/02/2025
RW11-MW01I-20250922	Q3194-12	VX047972.D	10/02/2025
TT163S1-20250924	Q3194-13	VX047973.D	10/02/2025
RE139D1-20250924	Q3194-14	VX047974.D	10/02/2025
RW11-MW01S-20250922	Q3194-02	VX047976.D	10/02/2025
RW11-MW01S-20250922MS	Q3194-03MS	VX047977.D	10/02/2025
RW11-MW01S-20250922MSD	Q3194-04MSD	VX047978.D	10/02/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1003WBL01

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3194

Lab File ID: VX047983.D

Lab Sample ID: VX1003WBL01

Date Analyzed: 10/03/2025

Time Analyzed: 10:16

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
TT189D1-20250922DL	Q3194-01DL	VX047985.D	10/03/2025
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025
EB05-20250924RE	Q3194-15RE	VX047987.D	10/03/2025
TT150S1-20250922	Q3194-05	VX047989.D	10/03/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX047584.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: AECO15
SDG NO.: Q3194
BFB Injection Date: 09/16/2025
BFB Injection Time: 08:56
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX047585.D	09/16/2025	09:23
VSTDIC005	VSTDIC005	VX047586.D	09/16/2025	10:16
VSTDIC020	VSTDIC020	VX047587.D	09/16/2025	10:37
VSTDIC050	VSTDIC050	VX047588.D	09/16/2025	10:58
VSTDIC100	VSTDIC100	VX047589.D	09/16/2025	11:40
VSTDIC150	VSTDIC150	VX047590.D	09/16/2025	12:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3194

Lab File ID: VX047924.D

BFB Injection Date: 10/01/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:10

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	71.3
175	5.0 - 9.0% of mass 174	5.6 (7.8) 1
176	95.0 - 101.0% of mass 174	68.7 (96.3) 1
177	5.0 - 9.0% of mass 176	4.2 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047925.D	10/01/2025	08:44
VX1001WBL01	VX1001WBL01	VX047927.D	10/01/2025	10:03
VX1001WBS01	VX1001WBS01	VX047928.D	10/01/2025	10:59
TT189D1-20250922	Q3194-01	VX047943.D	10/01/2025	16:11
RW8-MW01D2-20250922	Q3194-06	VX047945.D	10/01/2025	16:53
RW8-MW01D3-20250922	Q3194-07	VX047946.D	10/01/2025	17:14
TT188S1-20250922	Q3194-08	VX047947.D	10/01/2025	17:35
VSTDCCC050EC	VSTDCCC050	VX047951.D	10/01/2025	18:59

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3194

Lab File ID: VX047952.D

BFB Injection Date: 10/02/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:18

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.3
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 (0.8) 1
174	50.0 - 100.0% of mass 95	68.6
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	65.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.6 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047953.D	10/02/2025	08:50
VX1002WBL01	VX1002WBL01	VX047955.D	10/02/2025	10:09
VX1002WBS01	VX1002WBS01	VX047956.D	10/02/2025	11:04
EB05-20250924	Q3194-15	VX047965.D	10/02/2025	14:08
EB06-20250924	Q3194-16	VX047966.D	10/02/2025	14:29
FB01-20250924	Q3194-17	VX047967.D	10/02/2025	14:50
TB09-20250912	Q3194-18	VX047968.D	10/02/2025	15:10
TT192D2-20250922	Q3194-09	VX047969.D	10/02/2025	15:31
TT192D1-20250922	Q3194-10	VX047970.D	10/02/2025	15:52
DUP10-20250922	Q3194-11	VX047971.D	10/02/2025	16:12
RW11-MW01I-20250922	Q3194-12	VX047972.D	10/02/2025	16:33
TT163S1-20250924	Q3194-13	VX047973.D	10/02/2025	16:54
RE139D1-20250924	Q3194-14	VX047974.D	10/02/2025	17:15
RW11-MW01S-20250922	Q3194-02	VX047976.D	10/02/2025	17:56
RW11-MW01S-20250922MS	Q3194-03MS	VX047977.D	10/02/2025	18:16
RW11-MW01S-20250922MSD	Q3194-04MSD	VX047978.D	10/02/2025	18:37
VSTDCCC050EC	VSTDCCC050	VX047979.D	10/02/2025	18:58

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3194

Lab File ID: VX047980.D

BFB Injection Date: 10/03/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:35

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	53.1
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	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	67.2
175	5.0 - 9.0% of mass 174	5.2 (7.7) 1
176	95.0 - 101.0% of mass 174	64.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.1 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047981.D	10/03/2025	09:35
VX1003WBL01	VX1003WBL01	VX047983.D	10/03/2025	10:16
TT189D1-20250922DL	Q3194-01DL	VX047985.D	10/03/2025	11:34
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025	12:22
EB05-20250924RE	Q3194-15RE	VX047987.D	10/03/2025	12:49
TT150S1-20250922	Q3194-05	VX047989.D	10/03/2025	13:30
VSTDCCC050EC	VSTDCCC050	VX048007.D	10/03/2025	19:43

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15
Lab Code: ACE SDG NO.: Q3194
Lab File ID: VX047925.D Date Analyzed: 10/01/2025
Instrument ID: MSVOA_X Time Analyzed: 08:44
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	144631	5.53	260134	6.74	230415	10.04
UPPER LIMIT	289262	6.031	520268	7.238	460830	10.537
LOWER LIMIT	72315.5	5.031	130067	6.238	115208	9.537
EPA SAMPLE NO.						
TT189D1-20250922	128314	5.54	270415	6.75	276943	10.04
RW8-MW01D2-20250922	123419	5.54	252298	6.75	257256	10.04
RW8-MW01D3-20250922	121038	5.54	247090	6.75	254262	10.04
TT188S1-20250922	123198	5.54	253162	6.75	260063	10.04
VX1001WBL01	138593	5.54	281738	6.75	294028	10.04
VX1001WBS01	143368	5.53	256464	6.75	235781	10.04

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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3194</u>
Lab File ID:	<u>VX047925.D</u>	Date Analyzed:	<u>10/01/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:44</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	111244	12.00€				
UPPER LIMIT	222488	12.50€				
LOWER LIMIT	55622	11.50€				
EPA SAMPLE NO.						
TT189D1-20250922	139689	12.01				
RW8-MW01D2-20250922	127034	12.01				
RW8-MW01D3-20250922	127057	12.01				
TT188S1-20250922	124890	12.01				
VX1001WBL01	149007	12.01				
VX1001WBS01	117338	12.01				

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: Alliance Contract: AECO15
Lab Code: ACE SDG NO.: Q3194
Lab File ID: VX047953.D Date Analyzed: 10/02/2025
Instrument ID: MSVOA_X Time Analyzed: 08:50
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	140837	5.53	255190	6.74	226757	10.04
UPPER LIMIT	281674	6.032	510380	7.239	453514	10.537
LOWER LIMIT	70418.5	5.032	127595	6.239	113379	9.537
EPA SAMPLE NO.						
RW11-MW01S-20250922	119521	5.54	250300	6.75	260092	10.04
RW11-MW01S-20250922MS	129417	5.54	245583	6.75	230987	10.04
RW11-MW01S-20250922MSD	116098	5.54	213541	6.75	197282	10.04
TT192D2-20250922	129319	5.54	268695	6.75	276743	10.04
TT192D1-20250922	138649	5.54	284637	6.75	299797	10.04
DUP10-20250922	118221	5.54	245311	6.75	254640	10.04
RW11-MW01I-20250922	134837	5.54	279573	6.75	292400	10.04
TT163S1-20250924	132179	5.54	271295	6.75	284714	10.04
RE139D1-20250924	119700	5.54	247669	6.75	257419	10.04
EB05-20250924	121859	5.54	252504	6.75	264392	10.04
EB06-20250924	133646	5.54	277705	6.75	281384	10.04
FB01-20250924	130485	5.54	269304	6.75	279800	10.04
TB09-20250912	125397	5.54	254057	6.75	264333	10.04
VX1002WBL01	148697	5.53	307294	6.75	316597	10.04
VX1002WBS01	151041	5.54	257081	6.75	229930	10.04

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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3194</u>
Lab File ID:	<u>VX047953.D</u>	Date Analyzed:	<u>10/02/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:50</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	107762	12				
UPPER LIMIT	215524	12.5				
LOWER LIMIT	53881	11.5				
EPA SAMPLE NO.						
RW11-MW01S-20250922	131301	12.01				
RW11-MW01S-20250922MS	117758	12.01				
RW11-MW01S-20250922MSD	99094	12.01				
TT192D2-20250922	140515	12.01				
TT192D1-20250922	150104	12.01				
DUP10-20250922	129857	12.01				
RW11-MW01I-20250922	149635	12.01				
TT163S1-20250924	147498	12.01				
RE139D1-20250924	133075	12.01				
EB05-20250924	134089	12.01				
EB06-20250924	144409	12.01				
FB01-20250924	142205	12.01				
TB09-20250912	130557	12.01				
VX1002WBL01	160196	12.01				
VX1002WBS01	117908	12.01				

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: Alliance Contract: AECO15
Lab Code: ACE SDG NO.: Q3194
Lab File ID: VX047981.D Date Analyzed: 10/03/2025
Instrument ID: MSVOA_X Time Analyzed: 09:35
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	131937	5.53	225878	6.74	209083	10.04
UPPER LIMIT	263874	6.031	451756	7.239	418166	10.537
LOWER LIMIT	65968.5	5.031	112939	6.239	104542	9.537
EPA SAMPLE NO.						
TT189D1-20250922DL	132167	5.54	272415	6.75	275743	10.04
TT150S1-20250922	134239	5.54	273643	6.75	283063	10.04
EB05-20250924RE	133221	5.54	266548	6.75	277608	10.04
VX1003WBL01	132031	5.54	278145	6.75	290715	10.04
VX1003WBS02	126673	5.54	223242	6.75	203303	10.04

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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3194</u>
Lab File ID:	<u>VX047981.D</u>	Date Analyzed:	<u>10/03/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:35</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	105470	12.00€				
UPPER LIMIT	210940	12.50€				
LOWER LIMIT	52735	11.50€				
EPA SAMPLE NO.						
TT189D1-20250922DL	136670	12.01				
TT150S1-20250922	141569	12.01				
EB05-20250924RE	143477	12.01				
VX1003WBL01	147497	12.01				
VX1003WBS02	101886	12.01				

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:	VX1001WBL01		SDG No.:	Q3194
Lab Sample ID:	VX1001WBL01		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:	Date Analyzed	Prep Batch ID
VX047927.D	1	10/01/25 10:03	VX100125

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:	VX1001WBL01		SDG No.:	Q3194
Lab Sample ID:	VX1001WBL01		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:	Date Analyzed	Prep Batch ID
VX047927.D	1	10/01/25 10:03	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	139000	5.537				
540-36-3	1,4-Difluorobenzene	282000	6.745				
3114-55-4	Chlorobenzene-d5	294000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	149000	12.006				

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:	VX1001WBL01		SDG No.:	Q3194
Lab Sample ID:	VX1001WBL01		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:	Date Analyzed	Prep Batch ID
VX047927.D	1	10/01/25 10:03	VX100125

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:	VX1002WBL01		SDG No.:	Q3194
Lab Sample ID:	VX1002WBL01		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:	Date Analyzed	Prep Batch ID
VX047955.D	1	10/02/25 10:09	VX100225

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:	VX1002WBL01		SDG No.:	Q3194
Lab Sample ID:	VX1002WBL01		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:	Date Analyzed	Prep Batch ID
VX047955.D	1	10/02/25 10:09	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	149000	5.531				
540-36-3	1,4-Difluorobenzene	307000	6.745				
3114-55-4	Chlorobenzene-d5	317000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	160000	12.006				

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:	VX1002WBL01		SDG No.:	Q3194
Lab Sample ID:	VX1002WBL01		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:	Date Analyzed	Prep Batch ID
VX047955.D	1	10/02/25 10:09	VX100225

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:	VX1003WBL01		SDG No.:	Q3194
Lab Sample ID:	VX1003WBL01		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:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

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:	VX1003WBL01		SDG No.:	Q3194
Lab Sample ID:	VX1003WBL01		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:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

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	56.6		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.544				
540-36-3	1,4-Difluorobenzene	278000	6.751				
3114-55-4	Chlorobenzene-d5	291000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	147000	12.006				

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:	VX1003WBL01		SDG No.:	Q3194
Lab Sample ID:	VX1003WBL01		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:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

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:	VX1001WBS01		SDG No.:	Q3194
Lab Sample ID:	VX1001WBS01		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:	Date Analyzed	Prep Batch ID
VX047928.D	1	10/01/25 10:59	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.1		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	19.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	22.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	95.2		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.6		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.2		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	95.9		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.4		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	21.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.8		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.9		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.1		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:	VX1001WBS01		SDG No.:	Q3194
Lab Sample ID:	VX1001WBS01		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:	Date Analyzed	Prep Batch ID
VX047928.D	1	10/01/25 10:59	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	96.8		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.6		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.3		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.3		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.5		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.532				
540-36-3	1,4-Difluorobenzene	256000	6.745				
3114-55-4	Chlorobenzene-d5	236000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.006				

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:	VX1001WBS01		SDG No.:	Q3194
Lab Sample ID:	VX1001WBS01		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:	Date Analyzed	Prep Batch ID
VX047928.D	1	10/01/25 10:59	VX100125

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:	VX1002WBS01		SDG No.:	Q3194
Lab Sample ID:	VX1002WBS01		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:	Date Analyzed	Prep Batch ID
VX047956.D	1	10/02/25 11:04	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	15.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.23	0.75	1.00	ug/L
67-64-1	Acetone	70.9		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	15.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	15.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	16.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.3		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	69.4		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	16.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.1		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.3		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	18.0		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.4		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	77.3		0.68	2.50	5.00	ug/L
108-88-3	Toluene	18.3		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:	VX1002WBS01		SDG No.:	Q3194
Lab Sample ID:	VX1002WBS01		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:	Date Analyzed	Prep Batch ID
VX047956.D	1	10/02/25 11:04	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.9		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	74.2		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	17.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.1		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	18.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	17.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.5		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	16.1		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	13.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.5		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.4		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.5		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151000	5.537				
540-36-3	1,4-Difluorobenzene	257000	6.745				
3114-55-4	Chlorobenzene-d5	230000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.006				

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:	VX1002WBS01		SDG No.:	Q3194
Lab Sample ID:	VX1002WBS01		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:	Date Analyzed	Prep Batch ID
VX047956.D	1	10/02/25 11:04	VX100225

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:	VX1003WBS02		SDG No.:	Q3194
Lab Sample ID:	VX1003WBS02		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:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	20.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	75.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.4		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.0		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	85.5		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.6		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.3		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.3		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.4		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:	VX1003WBS02		SDG No.:	Q3194
Lab Sample ID:	VX1003WBS02		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:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	88.5		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.8		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	19.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.5		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	53.6		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.538				
540-36-3	1,4-Difluorobenzene	223000	6.745				
3114-55-4	Chlorobenzene-d5	203000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.006				

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:	VX1003WBS02		SDG No.:	Q3194
Lab Sample ID:	VX1003WBS02		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:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW01S-20250922MS		SDG No.:	Q3194	
Lab Sample ID:	Q3194-03MS		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:	Date Analyzed	Prep Batch ID
VX047977.D	1	10/02/25 18:16	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	48.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	47.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	49.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	50.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	49.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	50.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	47.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	48.7		0.23	0.75	1.00	ug/L
67-64-1	Acetone	200		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	45.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	50.9		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	41.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	50.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	49.9		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	52.5		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	43.1		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	240		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	45.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	51.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	53.7		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	53.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.9		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	38.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	47.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	48.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	46.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	49.0		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	50.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	250		0.68	2.50	5.00	ug/L
108-88-3	Toluene	47.9		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW01S-20250922MS		SDG No.:	Q3194	
Lab Sample ID:	Q3194-03MS		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:	Date Analyzed	Prep Batch ID
VX047977.D	1	10/02/25 18:16	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	42.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	41.9		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	50.5		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	51.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	49.9		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	40.6		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	45.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	44.3		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	88.3		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	45.3		0.12	0.50	1.00	ug/L
100-42-5	Styrene	45.4		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	47.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	41.6		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	45.0		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	41.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	41.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	42.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	42.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	38.3		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	40.4		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.4		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	246000	6.745				
3114-55-4	Chlorobenzene-d5	231000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW01S-20250922MS		SDG No.:	Q3194	
Lab Sample ID:	Q3194-03MS		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:	Date Analyzed	Prep Batch ID
VX047977.D	1	10/02/25 18:16	VX100225

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:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW01S-20250922MSD		SDG No.:	Q3194	
Lab Sample ID:	Q3194-04MSD		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:	Date Analyzed	Prep Batch ID
VX047978.D	1	10/02/25 18:37	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	50.9		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	50.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	52.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	54.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	53.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	52.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	52.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	220		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	48.8		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	55.8		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	45.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	54.3		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	54.2		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	56.8		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	48.1		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	260		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	51.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	56.2		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	57.7		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	58.7		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	55.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	44.4		0.16	0.50	1.00	ug/L
71-43-2	Benzene	53.8		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	54.1		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	53.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	56.0		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	57.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.68	2.50	5.00	ug/L
108-88-3	Toluene	54.6		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW01S-20250922MSD		SDG No.:	Q3194	
Lab Sample ID:	Q3194-04MSD		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:	Date Analyzed	Prep Batch ID
VX047978.D	1	10/02/25 18:37	VX100225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	48.4		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	48.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	57.6		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	270		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	59.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	58.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	49.0		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	53.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	51.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	100		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	52.9		0.12	0.50	1.00	ug/L
100-42-5	Styrene	53.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	56.3		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	49.6		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	53.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.0		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	49.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.7		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	48.5		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.6		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	51.0		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	116000	5.544				
540-36-3	1,4-Difluorobenzene	214000	6.751				
3114-55-4	Chlorobenzene-d5	197000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	99100	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/22/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW11-MW01S-20250922MSD		SDG No.:	Q3194	
Lab Sample ID:	Q3194-04MSD		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:	Date Analyzed	Prep Batch ID
VX047978.D	1	10/02/25 18:37	VX100225

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: <u>Alliance</u>	Contract: <u>AECO15</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3194</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:23</u> <u>12:01</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:	RRF001 = VX047585.D			RRF005 = VX047586.D		RRF020 = VX047587.D		
	RRF050 = VX047588.D			RRF100 = VX047589.D		RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2

* 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>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u> ID: <u>0.18</u> (mm)		

LAB FILE ID:		RRF001 = VX047585.D		RRF005 = VX047586.D		RRF020 = VX047587.D		
		RRF050 = VX047588.D		RRF100 = VX047589.D		RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

* 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 CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/01/2025 08:44</u>
Lab File ID:	<u>VX047925.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.630		21.62	20
Chloromethane	0.680	0.763	0.1	12.21	20
Vinyl Chloride	0.666	0.789		18.47	20
Bromomethane	0.422	0.481		13.98	20
Chloroethane	0.445	0.523		17.53	20
Trichlorofluoromethane	0.989	1.186		19.92	20
1,1,2-Trichlorotrifluoroethane	0.578	0.665		15.05	20
1,1-Dichloroethene	0.594	0.683		14.98	20
Acetone	0.346	0.301		-13.01	20
Carbon Disulfide	1.626	1.764		8.49	20
Methyl tert-butyl Ether	2.169	2.411		11.16	20
Methyl Acetate	0.770	0.930		20.78	20
Methylene Chloride	0.732	0.834		13.93	20
trans-1,2-Dichloroethene	0.640	0.724		13.13	20
1,1-Dichloroethane	1.263	1.467	0.1	16.15	20
Cyclohexane	1.052	1.052		0	20
2-Butanone	0.432	0.425		-1.62	20
Carbon Tetrachloride	0.532	0.565		6.2	20
cis-1,2-Dichloroethene	0.783	0.862		10.09	20
Bromochloromethane	0.551	0.703		27.59	20
Chloroform	1.276	1.485		16.38	20
1,1,1-Trichloroethane	1.082	1.218		12.57	20
Methylcyclohexane	0.556	0.533		-4.14	20
Benzene	1.488	1.619		8.8	20
1,2-Dichloroethane	0.566	0.610		7.77	20
Trichloroethene	0.360	0.385		6.94	20
1,2-Dichloropropane	0.381	0.421		10.5	20
Bromodichloromethane	0.572	0.640		11.89	20
4-Methyl-2-Pentanone	0.477	0.494		3.56	20
Toluene	0.917	0.978		6.65	20
t-1,3-Dichloropropene	0.584	0.557		-4.62	20
cis-1,3-Dichloropropene	0.624	0.610		-2.24	20
1,1,2-Trichloroethane	0.354	0.391		10.45	20
2-Hexanone	0.343	0.332		-3.21	20
Dibromochloromethane	0.407	0.464		14.01	20
1,2-Dibromoethane	0.360	0.395		9.72	20
Tetrachloroethene	0.326	0.357		9.51	20
Chlorobenzene	1.136	1.221	0.3	7.48	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/01/2025 08:44</u>
Lab File ID:	<u>VX047925.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.044		4.29	20
m/p-Xylenes	0.729	0.777		6.58	20
o-Xylene	0.706	0.754		6.8	20
Styrene	1.236	1.322		6.96	20
Bromoform	0.293	0.323	0.1	10.24	20
Isopropylbenzene	3.801	3.960		4.18	20
1,1,2,2-Tetrachloroethane	1.150	1.222	0.3	6.26	20
1,3-Dichlorobenzene	1.739	1.783		2.53	20
1,4-Dichlorobenzene	1.785	1.821		2.02	20
1,2-Dichlorobenzene	1.657	1.721		3.86	20
1,2-Dibromo-3-Chloropropane	0.233	0.225		-3.43	20
1,2,4-Trichlorobenzene	1.077	1.032		-4.18	20
1,2,3-Trichlorobenzene	1.002	0.983		-1.9	20
1,2-Dichloroethane-d4	0.796	0.862		8.29	20
Dibromofluoromethane	0.335	0.378		12.84	20
Toluene-d8	1.160	1.247		7.5	20
4-Bromofluorobenzene	0.440	0.460		4.55	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/01/2025 18:59</u>
Lab File ID:	<u>VX047951.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.539		4.05	50
Chloromethane	0.680	0.649	0.1	-4.56	50
Vinyl Chloride	0.666	0.684		2.7	50
Bromomethane	0.422	0.457		8.29	50
Chloroethane	0.445	0.445		0	50
Trichlorofluoromethane	0.989	1.030		4.15	50
1,1,2-Trichlorotrifluoroethane	0.578	0.593		2.6	50
1,1-Dichloroethene	0.594	0.609		2.53	50
Acetone	0.346	0.303		-12.43	50
Carbon Disulfide	1.626	1.536		-5.53	50
Methyl tert-butyl Ether	2.169	2.345		8.11	50
Methyl Acetate	0.770	0.941		22.21	50
Methylene Chloride	0.732	0.777		6.15	50
trans-1,2-Dichloroethene	0.640	0.652		1.88	50
1,1-Dichloroethane	1.263	1.347	0.1	6.65	50
Cyclohexane	1.052	1.005		-4.47	50
2-Butanone	0.432	0.460		6.48	50
Carbon Tetrachloride	0.532	0.534		0.38	50
cis-1,2-Dichloroethene	0.783	0.826		5.49	50
Bromochloromethane	0.551	0.608		10.35	50
Chloroform	1.276	1.393		9.17	50
1,1,1-Trichloroethane	1.082	1.152		6.47	50
Methylcyclohexane	0.556	0.518		-6.84	50
Benzene	1.488	1.544		3.76	50
1,2-Dichloroethane	0.566	0.593		4.77	50
Trichloroethene	0.360	0.368		2.22	50
1,2-Dichloropropane	0.381	0.409		7.35	50
Bromodichloromethane	0.572	0.626		9.44	50
4-Methyl-2-Pentanone	0.477	0.553		15.93	50
Toluene	0.917	0.958		4.47	50
t-1,3-Dichloropropene	0.584	0.607		3.94	50
cis-1,3-Dichloropropene	0.624	0.641		2.72	50
1,1,2-Trichloroethane	0.354	0.398		12.43	50
2-Hexanone	0.343	0.384		11.95	50
Dibromochloromethane	0.407	0.460		13.02	50
1,2-Dibromoethane	0.360	0.408		13.33	50
Tetrachloroethene	0.326	0.326		0	50
Chlorobenzene	1.136	1.164	0.3	2.46	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/01/2025 18:59</u>
Lab File ID:	<u>VX047951.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.982		1.12	50
m/p-Xylenes	0.729	0.748		2.61	50
o-Xylene	0.706	0.731		3.54	50
Styrene	1.236	1.298		5.02	50
Bromoform	0.293	0.324	0.1	10.58	50
Isopropylbenzene	3.801	3.731		-1.84	50
1,1,2,2-Tetrachloroethane	1.150	1.235	0.3	7.39	50
1,3-Dichlorobenzene	1.739	1.727		-0.69	50
1,4-Dichlorobenzene	1.785	1.756		-1.63	50
1,2-Dichlorobenzene	1.657	1.674		1.03	50
1,2-Dibromo-3-Chloropropane	0.233	0.249		6.87	50
1,2,4-Trichlorobenzene	1.077	1.042		-3.25	50
1,2,3-Trichlorobenzene	1.002	1.014		1.2	50
1,2-Dichloroethane-d4	0.796	0.811		1.88	50
Dibromofluoromethane	0.335	0.345		2.98	50
Toluene-d8	1.160	1.175		1.29	50
4-Bromofluorobenzene	0.440	0.454		3.18	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/02/2025 08:50</u>
Lab File ID:	<u>VX047953.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.607		17.18	20
Chloromethane	0.680	0.738	0.1	8.53	20
Vinyl Chloride	0.666	0.774		16.22	20
Bromomethane	0.422	0.529		25.35	20
Chloroethane	0.445	0.513		15.28	20
Trichlorofluoromethane	0.989	1.180		19.31	20
1,1,2-Trichlorotrifluoroethane	0.578	0.646		11.77	20
1,1-Dichloroethene	0.594	0.675		13.64	20
Acetone	0.346	0.274		-20.81	20
Carbon Disulfide	1.626	1.707		4.98	20
Methyl tert-butyl Ether	2.169	2.401		10.7	20
Methyl Acetate	0.770	0.848		10.13	20
Methylene Chloride	0.732	0.839		14.62	20
trans-1,2-Dichloroethene	0.640	0.711		11.09	20
1,1-Dichloroethane	1.263	1.477	0.1	16.94	20
Cyclohexane	1.052	1.032		-1.9	20
2-Butanone	0.432	0.387		-10.42	20
Carbon Tetrachloride	0.532	0.571		7.33	20
cis-1,2-Dichloroethene	0.783	0.887		13.28	20
Bromochloromethane	0.551	0.627		13.79	20
Chloroform	1.276	1.505		17.95	20
1,1,1-Trichloroethane	1.082	1.237		14.32	20
Methylcyclohexane	0.556	0.506		-8.99	20
Benzene	1.488	1.617		8.67	20
1,2-Dichloroethane	0.566	0.622		9.89	20
Trichloroethene	0.360	0.385		6.94	20
1,2-Dichloropropane	0.381	0.427		12.07	20
Bromodichloromethane	0.572	0.652		13.99	20
4-Methyl-2-Pentanone	0.477	0.456		-4.4	20
Toluene	0.917	0.976		6.43	20
t-1,3-Dichloropropene	0.584	0.570		-2.4	20
cis-1,3-Dichloropropene	0.624	0.626		0.32	20
1,1,2-Trichloroethane	0.354	0.383		8.19	20
2-Hexanone	0.343	0.298		-13.12	20
Dibromochloromethane	0.407	0.471		15.73	20
1,2-Dibromoethane	0.360	0.384		6.67	20
Tetrachloroethene	0.326	0.351		7.67	20
Chlorobenzene	1.136	1.219	0.3	7.31	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/02/2025 08:50</u>
Lab File ID:	<u>VX047953.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.066		5.41	20
m/p-Xylenes	0.729	0.771		5.76	20
o-Xylene	0.706	0.750		6.23	20
Styrene	1.236	1.323		7.04	20
Bromoform	0.293	0.312	0.1	6.49	20
Isopropylbenzene	3.801	3.997		5.16	20
1,1,2,2-Tetrachloroethane	1.150	1.175	0.3	2.17	20
1,3-Dichlorobenzene	1.739	1.803		3.68	20
1,4-Dichlorobenzene	1.785	1.819		1.9	20
1,2-Dichlorobenzene	1.657	1.757		6.03	20
1,2-Dibromo-3-Chloropropane	0.233	0.205		-12.02	20
1,2,4-Trichlorobenzene	1.077	0.986		-8.45	20
1,2,3-Trichlorobenzene	1.002	0.942		-5.99	20
1,2-Dichloroethane-d4	0.796	0.847		6.41	20
Dibromofluoromethane	0.335	0.369		10.15	20
Toluene-d8	1.160	1.220		5.17	20
4-Bromofluorobenzene	0.440	0.443		0.68	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/02/2025 18:58</u>
Lab File ID:	<u>VX047979.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.504		-2.7	50
Chloromethane	0.680	0.565	0.1	-16.91	50
Vinyl Chloride	0.666	0.606		-9.01	50
Bromomethane	0.422	0.397		-5.92	50
Chloroethane	0.445	0.403		-9.44	50
Trichlorofluoromethane	0.989	0.943		-4.65	50
1,1,2-Trichlorotrifluoroethane	0.578	0.576		-0.35	50
1,1-Dichloroethene	0.594	0.555		-6.57	50
Acetone	0.346	0.233		-32.66	50
Carbon Disulfide	1.626	1.369		-15.81	50
Methyl tert-butyl Ether	2.169	1.936		-10.74	50
Methyl Acetate	0.770	0.739		-4.03	50
Methylene Chloride	0.732	0.653		-10.79	50
trans-1,2-Dichloroethene	0.640	0.580		-9.38	50
1,1-Dichloroethane	1.263	1.188	0.1	-5.94	50
Cyclohexane	1.052	0.923		-12.26	50
2-Butanone	0.432	0.356		-17.59	50
Carbon Tetrachloride	0.532	0.512		-3.76	50
cis-1,2-Dichloroethene	0.783	0.717		-8.43	50
Bromochloromethane	0.551	0.552		0.18	50
Chloroform	1.276	1.229		-3.68	50
1,1,1-Trichloroethane	1.082	1.053		-2.68	50
Methylcyclohexane	0.556	0.527		-5.22	50
Benzene	1.488	1.435		-3.56	50
1,2-Dichloroethane	0.566	0.530		-6.36	50
Trichloroethene	0.360	0.351		-2.5	50
1,2-Dichloropropane	0.381	0.380		-0.26	50
Bromodichloromethane	0.572	0.568		-0.7	50
4-Methyl-2-Pentanone	0.477	0.455		-4.61	50
Toluene	0.917	0.896		-2.29	50
t-1,3-Dichloropropene	0.584	0.560		-4.11	50
cis-1,3-Dichloropropene	0.624	0.603		-3.37	50
1,1,2-Trichloroethane	0.354	0.355		0.28	50
2-Hexanone	0.343	0.312		-9.04	50
Dibromochloromethane	0.407	0.417		2.46	50
1,2-Dibromoethane	0.360	0.365		1.39	50
Tetrachloroethene	0.326	0.310		-4.91	50
Chlorobenzene	1.136	1.099	0.3	-3.26	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/02/2025 18:58</u>
Lab File ID:	<u>VX047979.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.899		-3.11	50
m/p-Xylenes	0.729	0.712		-2.33	50
o-Xylene	0.706	0.685		-2.97	50
Styrene	1.236	1.215		-1.7	50
Bromoform	0.293	0.285	0.1	-2.73	50
Isopropylbenzene	3.801	3.548		-6.66	50
1,1,2,2-Tetrachloroethane	1.150	1.078	0.3	-6.26	50
1,3-Dichlorobenzene	1.739	1.605		-7.71	50
1,4-Dichlorobenzene	1.785	1.628		-8.8	50
1,2-Dichlorobenzene	1.657	1.520		-8.27	50
1,2-Dibromo-3-Chloropropane	0.233	0.198		-15.02	50
1,2,4-Trichlorobenzene	1.077	0.969		-10.03	50
1,2,3-Trichlorobenzene	1.002	0.923		-7.88	50
1,2-Dichloroethane-d4	0.796	0.736		-7.54	50
Dibromofluoromethane	0.335	0.338		0.9	50
Toluene-d8	1.160	1.196		3.1	50
4-Bromofluorobenzene	0.440	0.452		2.73	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/03/2025 09:35</u>
Lab File ID:	<u>VX047981.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.577		11.39	20
Chloromethane	0.680	0.659	0.1	-3.09	20
Vinyl Chloride	0.666	0.682		2.4	20
Bromomethane	0.422	0.467		10.66	20
Chloroethane	0.445	0.450		1.12	20
Trichlorofluoromethane	0.989	1.066		7.79	20
1,1,2-Trichlorotrifluoroethane	0.578	0.638		10.38	20
1,1-Dichloroethene	0.594	0.609		2.53	20
Acetone	0.346	0.321		-7.22	20
Carbon Disulfide	1.626	1.511		-7.07	20
Methyl tert-butyl Ether	2.169	2.219		2.31	20
Methyl Acetate	0.770	0.839		8.96	20
Methylene Chloride	0.732	0.762		4.1	20
trans-1,2-Dichloroethene	0.640	0.654		2.19	20
1,1-Dichloroethane	1.263	1.326	0.1	4.99	20
Cyclohexane	1.052	1.024		-2.66	20
2-Butanone	0.432	0.408		-5.56	20
Carbon Tetrachloride	0.532	0.565		6.2	20
cis-1,2-Dichloroethene	0.783	0.827		5.62	20
Bromochloromethane	0.551	0.591		7.26	20
Chloroform	1.276	1.385		8.54	20
1,1,1-Trichloroethane	1.082	1.140		5.36	20
Methylcyclohexane	0.556	0.571		2.7	20
Benzene	1.488	1.585		6.52	20
1,2-Dichloroethane	0.566	0.610		7.77	20
Trichloroethene	0.360	0.385		6.94	20
1,2-Dichloropropane	0.381	0.426		11.81	20
Bromodichloromethane	0.572	0.655		14.51	20
4-Methyl-2-Pentanone	0.477	0.481		0.84	20
Toluene	0.917	0.989		7.85	20
t-1,3-Dichloropropene	0.584	0.657		12.5	20
cis-1,3-Dichloropropene	0.624	0.698		11.86	20
1,1,2-Trichloroethane	0.354	0.398		12.43	20
2-Hexanone	0.343	0.334		-2.62	20
Dibromochloromethane	0.407	0.478		17.44	20
1,2-Dibromoethane	0.360	0.408		13.33	20
Tetrachloroethene	0.326	0.327		0.31	20
Chlorobenzene	1.136	1.205	0.3	6.07	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/03/2025 09:35</u>
Lab File ID:	<u>VX047981.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.036		3.88	20
m/p-Xylenes	0.729	0.772		5.9	20
o-Xylene	0.706	0.741		4.96	20
Styrene	1.236	1.320		6.8	20
Bromoform	0.293	0.314	0.1	7.17	20
Isopropylbenzene	3.801	3.806		0.13	20
1,1,2,2-Tetrachloroethane	1.150	1.146	0.3	-0.35	20
1,3-Dichlorobenzene	1.739	1.775		2.07	20
1,4-Dichlorobenzene	1.785	1.818		1.85	20
1,2-Dichlorobenzene	1.657	1.703		2.78	20
1,2-Dibromo-3-Chloropropane	0.233	0.211		-9.44	20
1,2,4-Trichlorobenzene	1.077	1.037		-3.71	20
1,2,3-Trichlorobenzene	1.002	0.991		-1.1	20
1,2-Dichloroethane-d4	0.796	0.797		0.13	20
Dibromofluoromethane	0.335	0.365		8.95	20
Toluene-d8	1.160	1.215		4.74	20
4-Bromofluorobenzene	0.440	0.468		6.36	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/03/2025 19:43</u>
Lab File ID:	<u>VX048007.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.527		1.74	50
Chloromethane	0.680	0.643	0.1	-5.44	50
Vinyl Chloride	0.666	0.673		1.05	50
Bromomethane	0.422	0.432		2.37	50
Chloroethane	0.445	0.448		0.67	50
Trichlorofluoromethane	0.989	1.033		4.45	50
1,1,2-Trichlorotrifluoroethane	0.578	0.612		5.88	50
1,1-Dichloroethene	0.594	0.604		1.68	50
Acetone	0.346	0.311		-10.12	50
Carbon Disulfide	1.626	1.465		-9.9	50
Methyl tert-butyl Ether	2.169	2.388		10.1	50
Methyl Acetate	0.770	0.970		25.97	50
Methylene Chloride	0.732	0.762		4.1	50
trans-1,2-Dichloroethene	0.640	0.657		2.66	50
1,1-Dichloroethane	1.263	1.360	0.1	7.6	50
Cyclohexane	1.052	0.988		-6.08	50
2-Butanone	0.432	0.478		10.65	50
Carbon Tetrachloride	0.532	0.561		5.45	50
cis-1,2-Dichloroethene	0.783	0.839		7.15	50
Bromochloromethane	0.551	0.602		9.26	50
Chloroform	1.276	1.435		12.46	50
1,1,1-Trichloroethane	1.082	1.180		9.06	50
Methylcyclohexane	0.556	0.531		-4.5	50
Benzene	1.488	1.592		6.99	50
1,2-Dichloroethane	0.566	0.610		7.77	50
Trichloroethene	0.360	0.385		6.94	50
1,2-Dichloropropane	0.381	0.433		13.65	50
Bromodichloromethane	0.572	0.649		13.46	50
4-Methyl-2-Pentanone	0.477	0.583		22.22	50
Toluene	0.917	0.986		7.53	50
t-1,3-Dichloropropene	0.584	0.639		9.42	50
cis-1,3-Dichloropropene	0.624	0.675		8.17	50
1,1,2-Trichloroethane	0.354	0.416		17.51	50
2-Hexanone	0.343	0.404		17.78	50
Dibromochloromethane	0.407	0.482		18.43	50
1,2-Dibromoethane	0.360	0.426		18.33	50
Tetrachloroethene	0.326	0.336		3.07	50
Chlorobenzene	1.136	1.229	0.3	8.19	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:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3194</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/03/2025 19:43</u>
Lab File ID:	<u>VX048007.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.091		6.68	50
m/p-Xylenes	0.729	0.784		7.55	50
o-Xylene	0.706	0.762		7.93	50
Styrene	1.236	1.348		9.06	50
Bromoform	0.293	0.345	0.1	17.75	50
Isopropylbenzene	3.801	3.923		3.21	50
1,1,2,2-Tetrachloroethane	1.150	1.329	0.3	15.56	50
1,3-Dichlorobenzene	1.739	1.809		4.03	50
1,4-Dichlorobenzene	1.785	1.820		1.96	50
1,2-Dichlorobenzene	1.657	1.770		6.82	50
1,2-Dibromo-3-Chloropropane	0.233	0.257		10.3	50
1,2,4-Trichlorobenzene	1.077	1.098		1.95	50
1,2,3-Trichlorobenzene	1.002	1.073		7.09	50
1,2-Dichloroethane-d4	0.796	0.830		4.27	50
Dibromofluoromethane	0.335	0.360		7.46	50
Toluene-d8	1.160	1.242		7.07	50
4-Bromofluorobenzene	0.440	0.481		9.32	50

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