

LAB CHRONICLE

OrderID:	Q3193	OrderDate:	9/25/2025 9:02:00 AM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	A12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3193-01	RW10-MW01D-20250923	Water	VOCMS Group1	8260-Low	09/23/25		10/03/25	09/24/25
Q3193-04	TT149S1-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/01/25	09/24/25
Q3193-05	RE137-20250922	Water	VOCMS Group1	8260-Low	09/22/25		09/30/25	09/24/25
Q3193-05DL	RE137-20250922DL	Water	VOCMS Group1	8260-Low	09/22/25		10/01/25	09/24/25
Q3193-06	RW4-20250922	Water	VOCMS Group1	8260-Low	09/22/25		09/30/25	09/24/25
Q3193-06DL	RW4-20250922DL	Water	VOCMS Group1	8260-Low	09/22/25		10/01/25	09/24/25
Q3193-07	GM38-RW3-MW1-20250922	Water	VOCMS Group1	8260-Low	09/22/25		10/01/25	09/24/25
Q3193-08	TT20551-20250923	Water	VOCMS Group1	8260-Low	09/23/25		10/01/25	09/24/25
Q3193-09	RW10A-MW01I-20250923	Water	VOCMS Group1	8260-Low	09/23/25		09/30/25	09/24/25
Q3193-10	RW8-MW01S-20250923	Water	VOCMS Group1	8260-Low	09/23/25		09/30/25	09/24/25

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Q3193-11	TT172S1-20250923	Water	VOCMS Group1	8260-Low	09/23/25	09/30/25	09/24/25
Q3193-12	DUP12-20250923	Water	VOCMS Group1	8260-Low	09/23/25	09/30/25	09/24/25
Q3193-13	RW10A-MW01S-2025 0923	Water	VOCMS Group1	8260-Low	09/23/25	09/30/25	09/24/25
Q3193-14	RW8-MW01D1-20250 923	Water	VOCMS Group1	8260-Low	09/23/25	09/30/25	09/24/25
Q3193-15	DUP11-20250923	Water	VOCMS Group1	8260-Low	09/23/25	09/30/25	09/24/25
Q3193-16	TT161S1-20250923	Water	VOCMS Group1	8260-Low	09/23/25	09/30/25	09/24/25
Q3193-17	RE103D1-20250923	Water	VOCMS Group1	8260-Low	09/23/25	09/30/25	09/24/25
Q3193-17DL	RE103D1-20250923D L	Water	VOCMS Group1	8260-Low	09/23/25	10/01/25	09/24/25
Q3193-18	MW203D-20250923	Water	VOCMS Group1	8260-Low	09/23/25	10/01/25	09/24/25
Q3193-19	EB04-20250923	Water	VOCMS Group1	8260-Low	09/23/25	10/03/25	09/24/25
Q3193-20	TT174I1-20250924	Water	VOCMS Group1	8260-Low	09/24/25	10/01/25	09/24/25
Q3193-21	TT162S1-20250924	Water	VOCMS Group1	8260-Low	09/24/25	10/01/25	09/24/25
Q3193-22	RE120D3-20250924	Water	VOCMS Group1	8260-Low	09/24/25	10/01/25	09/24/25

Hit Summary Sheet SW-846

SDG No.: Q3193
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	RW10-MW01D-20250923								
Q3193-01	RW10-MW01D-20250923	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.80					
			Total Concentration:	1.80					
Client ID:	TT149S1-20250922								
Q3193-04	TT149S1-20250922	Water	Acetone	2.00	J	1.50	3.80	5.00	ug/L
Q3193-04	TT149S1-20250922	Water	Methyl tert-butyl Ether	6.90		0.16	0.50	1.00	ug/L
Q3193-04	TT149S1-20250922	Water	Trichloroethene	3.40		0.090	0.75	1.00	ug/L
Q3193-04	TT149S1-20250922	Water	Tetrachloroethene	0.82	J	0.23	0.50	1.00	ug/L
			Total Voc :	13.1					
			Total Concentration:	13.1					
Client ID:	RE137-20250922								
Q3193-05	RE137-20250922	Water	1,1,2-Trichlorotrifluoroethane	14.9		0.25	0.50	1.00	ug/L
Q3193-05	RE137-20250922	Water	1,1-Dichloroethene	2.50		0.23	0.75	1.00	ug/L
Q3193-05	RE137-20250922	Water	Acetone	7.20		1.50	3.80	5.00	ug/L
Q3193-05	RE137-20250922	Water	Carbon Tetrachloride	1.10		0.25	0.50	1.00	ug/L
Q3193-05	RE137-20250922	Water	cis-1,2-Dichloroethene	1.90		0.19	0.75	1.00	ug/L
Q3193-05	RE137-20250922	Water	Chloroform	0.65	J	0.25	0.50	1.00	ug/L
Q3193-05	RE137-20250922	Water	Trichloroethene	620	E	0.090	0.75	1.00	ug/L
Q3193-05	RE137-20250922	Water	Tetrachloroethene	4.60		0.23	0.50	1.00	ug/L
			Total Voc :	653					
			Total Concentration:	653					
Client ID:	RE137-20250922DL								
Q3193-05DL	RE137-20250922DL	Water	1,1,2-Trichlorotrifluoroethane	14.1	D	2.50	5.00	10.0	ug/L
Q3193-05DL	RE137-20250922DL	Water	Trichloroethene	620	D	0.93	7.50	10.0	ug/L
			Total Voc :	634					
			Total Concentration:	634					
Client ID:	RW4-20250922								
Q3193-06	RW4-20250922	Water	1,1,2-Trichlorotrifluoroethane	7.70		0.25	0.50	1.00	ug/L
Q3193-06	RW4-20250922	Water	1,1-Dichloroethene	0.81	J	0.23	0.75	1.00	ug/L
Q3193-06	RW4-20250922	Water	Acetone	2.30	J	1.50	3.80	5.00	ug/L
Q3193-06	RW4-20250922	Water	cis-1,2-Dichloroethene	0.89	J	0.19	0.75	1.00	ug/L
Q3193-06	RW4-20250922	Water	Chloroform	0.25	J	0.25	0.50	1.00	ug/L
Q3193-06	RW4-20250922	Water	Trichloroethene	340	E	0.090	0.75	1.00	ug/L
Q3193-06	RW4-20250922	Water	Tetrachloroethene	5.20		0.23	0.50	1.00	ug/L
			Total Voc :	357					
			Total Concentration:	357					
Client ID:	RW4-20250922DL								
Q3193-06DL	RW4-20250922DL	Water	Trichloroethene	70.1	D	0.47	3.80	5.00	ug/L

A
B
C
D
E
F
G

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Voc :	70.1					
			Total Concentration:	70.1					
Client ID:	GM38-RW3-MW1-20250922								
Q3193-07	GM38-RW3-MW1- Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L	
Q3193-07	GM38-RW3-MW1- Water	Chloroform	0.43	J	0.25	0.50	1.00	ug/L	
Q3193-07	GM38-RW3-MW1- Water	Trichloroethene	17.8		0.090	0.75	1.00	ug/L	
Q3193-07	GM38-RW3-MW1- Water	Tetrachloroethene	1.50		0.23	0.50	1.00	ug/L	
			Total Voc :	21.4					
			Total Concentration:	21.4					
Client ID:	TT20551-20250923								
Q3193-08	TT20551-20250923 Water	Acetone	2.10	J	1.50	3.80	5.00	ug/L	
Q3193-08	TT20551-20250923 Water	Methyl tert-butyl Ether	0.29	J	0.16	0.50	1.00	ug/L	
Q3193-08	TT20551-20250923 Water	1,1-Dichloroethane	0.52	J	0.23	0.50	1.00	ug/L	
Q3193-08	TT20551-20250923 Water	Chloroform	0.41	J	0.25	0.50	1.00	ug/L	
Q3193-08	TT20551-20250923 Water	Trichloroethene	6.60		0.090	0.75	1.00	ug/L	
Q3193-08	TT20551-20250923 Water	Toluene	1.20		0.14	0.50	1.00	ug/L	
Q3193-08	TT20551-20250923 Water	Tetrachloroethene	0.31	J	0.23	0.50	1.00	ug/L	
			Total Voc :	11.4					
			Total Concentration:	11.4					
Client ID:	RW10A-MW01I-20250923								
Q3193-09	RW10A-MW01I-20 Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L	
Q3193-09	RW10A-MW01I-20 Water	Trichloroethene	0.36	J	0.090	0.75	1.00	ug/L	
			Total Voc :	2.56					
			Total Concentration:	2.56					
Client ID:	RW8-MW01S-20250923								
Q3193-10	RW8-MW01S-2025 Water	Acetone	1.50	J	1.50	3.80	5.00	ug/L	
Q3193-10	RW8-MW01S-2025 Water	Methylene Chloride	0.28	J	0.28	0.50	1.00	ug/L	
			Total Voc :	1.78					
			Total Concentration:	1.78					
Client ID:	TT172S1-20250923								
Q3193-11	TT172S1-20250923 Water	1,1,2-Trichlorotrifluoroethane	0.99	J	0.25	0.50	1.00	ug/L	
Q3193-11	TT172S1-20250923 Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L	
Q3193-11	TT172S1-20250923 Water	Chloroform	0.53	J	0.25	0.50	1.00	ug/L	
Q3193-11	TT172S1-20250923 Water	Trichloroethene	33.0		0.090	0.75	1.00	ug/L	
Q3193-11	TT172S1-20250923 Water	Toluene	0.33	J	0.14	0.50	1.00	ug/L	
Q3193-11	TT172S1-20250923 Water	Tetrachloroethene	1.50		0.23	0.50	1.00	ug/L	
			Total Voc :	38.8					
			Total Concentration:	38.8					
Client ID:	DUP12-20250923								

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SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3193-12	DUP12-20250923	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q3193-12	DUP12-20250923	Water	Methyl tert-butyl Ether	0.32	J	0.16	0.50	1.00	ug/L
Q3193-12	DUP12-20250923	Water	1,1-Dichloroethane	1.30		0.23	0.50	1.00	ug/L
Q3193-12	DUP12-20250923	Water	cis-1,2-Dichloroethene	2.20		0.19	0.75	1.00	ug/L
Q3193-12	DUP12-20250923	Water	Chloroform	0.44	J	0.25	0.50	1.00	ug/L
Q3193-12	DUP12-20250923	Water	Trichloroethene	14.0		0.090	0.75	1.00	ug/L
Q3193-12	DUP12-20250923	Water	Tetrachloroethene	0.96	J	0.23	0.50	1.00	ug/L
			Total Voc :	20.9					
			Total Concentration:	20.9					
Client ID:	RW10A-MW01S-20250923								
Q3193-13	RW10A-MW01S-20250923	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.40					
			Total Concentration:	2.40					
Client ID:	RW8-MW01D1-20250923								
Q3193-14	RW8-MW01D1-20250923	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.60					
			Total Concentration:	1.60					
Client ID:	DUP11-20250923								
Q3193-15	DUP11-20250923	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.70					
			Total Concentration:	1.70					
Client ID:	TT161S1-20250923								
Q3193-16	TT161S1-20250923	Water	Acetone	3.60	J	1.50	3.80	5.00	ug/L
Q3193-16	TT161S1-20250923	Water	Methyl tert-butyl Ether	0.38	J	0.16	0.50	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	1,1-Dichloroethane	2.20		0.23	0.50	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	Chloroform	0.57	J	0.25	0.50	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	Trichloroethene	0.84	J	0.090	0.75	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	Toluene	0.30	J	0.14	0.50	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	Tetrachloroethene	0.38	J	0.23	0.50	1.00	ug/L
			Total Voc :	8.27					
			Total Concentration:	8.27					
Client ID:	RE103D1-20250923								
Q3193-17	RE103D1-20250923	Water	1,1,2-Trichlorotrifluoroethane	8.50		0.25	0.50	1.00	ug/L
Q3193-17	RE103D1-20250923	Water	1,1-Dichloroethene	1.40		0.23	0.75	1.00	ug/L
Q3193-17	RE103D1-20250923	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q3193-17	RE103D1-20250923	Water	cis-1,2-Dichloroethene	1.40		0.19	0.75	1.00	ug/L
Q3193-17	RE103D1-20250923	Water	Chloroform	0.39	J	0.25	0.50	1.00	ug/L
Q3193-17	RE103D1-20250923	Water	Trichloroethene	510	E	0.090	0.75	1.00	ug/L
Q3193-17	RE103D1-20250923	Water	Tetrachloroethene	6.10		0.23	0.50	1.00	ug/L

Hit Summary Sheet
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SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Voc :				530					
Total Concentration:				530					
Client ID:	RE103D1-20250923DL								
Q3193-17DL	RE103D1-20250923	Water	1,1,2-Trichlorotrifluoroethane	8.30	JD	2.50	5.00	10.0	ug/L
Q3193-17DL	RE103D1-20250923	Water	Trichloroethene	460	D	0.93	7.50	10.0	ug/L
Q3193-17DL	RE103D1-20250923	Water	Tetrachloroethene	5.80	JD	2.30	5.00	10.0	ug/L
Total Voc :				474					
Total Concentration:				474					
Client ID:	MW203D-20250923								
Q3193-18	MW203D-20250923	Water	1,1-Dichloroethene	0.53	J	0.23	0.75	1.00	ug/L
Q3193-18	MW203D-20250923	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
Q3193-18	MW203D-20250923	Water	Methyl tert-butyl Ether	0.32	J	0.16	0.50	1.00	ug/L
Q3193-18	MW203D-20250923	Water	1,1-Dichloroethane	1.20		0.23	0.50	1.00	ug/L
Q3193-18	MW203D-20250923	Water	cis-1,2-Dichloroethene	2.20		0.19	0.75	1.00	ug/L
Q3193-18	MW203D-20250923	Water	Chloroform	0.32	J	0.25	0.50	1.00	ug/L
Q3193-18	MW203D-20250923	Water	Trichloroethene	12.3		0.090	0.75	1.00	ug/L
Q3193-18	MW203D-20250923	Water	Tetrachloroethene	0.87	J	0.23	0.50	1.00	ug/L
Total Voc :				19.6					
Total Concentration:				19.6					
Client ID:	TT174I1-20250924								
Q3193-20	TT174I1-20250924	Water	1,1-Dichloroethene	1.10		0.23	0.75	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	Acetone	2.10	J	1.50	3.80	5.00	ug/L
Q3193-20	TT174I1-20250924	Water	Methyl tert-butyl Ether	0.38	J	0.16	0.50	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	1,1-Dichloroethane	3.50		0.23	0.50	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	Chloroform	0.45	J	0.25	0.50	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	Trichloroethene	1.50		0.090	0.75	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	Tetrachloroethene	0.55	J	0.23	0.50	1.00	ug/L
Total Voc :				9.58					
Total Concentration:				9.58					
Client ID:	TT162S1-20250924								
Q3193-21	TT162S1-20250924	Water	Acetone	2.30	J	1.50	3.80	5.00	ug/L
Q3193-21	TT162S1-20250924	Water	1,1-Dichloroethane	1.40		0.23	0.50	1.00	ug/L
Q3193-21	TT162S1-20250924	Water	Trichloroethene	10.5		0.090	0.75	1.00	ug/L
Total Voc :				14.2					
Total Concentration:				14.2					
Client ID:	RE120D3-20250924								
Q3193-22	RE120D3-20250924	Water	1,1,2-Trichlorotrifluoroethane	1.30		0.25	0.50	1.00	ug/L
Q3193-22	RE120D3-20250924	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
Q3193-22	RE120D3-20250924	Water	Trichloroethene	11.7		0.090	0.75	1.00	ug/L

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SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3193-22	RE120D3-20250924	Water	Toluene	0.26	J	0.14	0.50	1.00	ug/L
			Total Voc :	15.2					
			Total Concentration:	15.2					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-01		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
VX047990.D	1	10/03/25 13:50	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	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-01		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
VX047990.D	1	10/03/25 13:50	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	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.544				
540-36-3	1,4-Difluorobenzene	267000	6.751				
3114-55-4	Chlorobenzene-d5	277000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-01		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
VX047990.D	1	10/03/25 13:50	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:	TT149S1-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047933.D	1	10/01/25 12:43	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	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	6.90		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	3.40		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:	TT149S1-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047933.D	1	10/01/25 12:43	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	0.82	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	56.2		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.544				
540-36-3	1,4-Difluorobenzene	257000	6.751				
3114-55-4	Chlorobenzene-d5	264000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	133000	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:	TT149S1-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047933.D	1	10/01/25 12:43	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:	RE137-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-05		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
VX047909.D	1	09/30/25 14:37	VX093025

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	14.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.50		0.23	0.75	1.00	ug/L
67-64-1	Acetone	7.20		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	1.10		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.90		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	620	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:	RE137-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-05		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
VX047909.D	1	09/30/25 14:37	VX093025

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	4.60		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	49.1		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	46.9		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	128000	5.544				
540-36-3	1,4-Difluorobenzene	258000	6.751				
3114-55-4	Chlorobenzene-d5	255000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	124000	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:	RE137-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-05		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
VX047909.D	1	09/30/25 14:37	VX093025

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:	RE137-20250922DL		SDG No.:	Q3193	
Lab Sample ID:	Q3193-05DL		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
VX047931.D	10	10/01/25 12:01	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
74-87-3	Chloromethane	5.00	UD	3.20	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	2.60	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	14.4	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	4.70	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.30	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	14.1	D	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	2.30	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	15.1	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	2.10	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	1.60	5.00	10.0	ug/L
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	2.80	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.30	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	2.30	5.00	10.0	ug/L
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	ug/L
78-93-3	2-Butanone	25.0	UD	9.80	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	7.50	UD	1.90	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.50	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	2.00	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.60	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.50	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.20	5.00	10.0	ug/L
79-01-6	Trichloroethene	620	D	0.93	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	2.00	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.20	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	6.80	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.40	5.00	10.0	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:	RE137-20250922DL		SDG No.:	Q3193	
Lab Sample ID:	Q3193-05DL		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
VX047931.D	10	10/01/25 12:01	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	UD	1.70	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.60	5.00	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	UD	2.10	5.00	10.0	ug/L
591-78-6	2-Hexanone	25.0	UD	8.90	25.0	50.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	5.00	UD	2.30	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.20	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.30	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	2.40	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.20	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.50	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	1.90	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.20	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.60	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.0		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.544				
540-36-3	1,4-Difluorobenzene	245000	6.751				
3114-55-4	Chlorobenzene-d5	249000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	120000	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:	RE137-20250922DL		SDG No.:	Q3193	
Lab Sample ID:	Q3193-05DL		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
VX047931.D	10	10/01/25 12:01	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:	RW4-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-06		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
VX047910.D	1	09/30/25 14:58	VX093025

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	7.70		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.81	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.30	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	0.89	J	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	0.25	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	340	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:	RW4-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-06		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
VX047910.D	1	09/30/25 14:58	VX093025

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	5.20		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	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.538				
540-36-3	1,4-Difluorobenzene	251000	6.745				
3114-55-4	Chlorobenzene-d5	254000	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:	RW4-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-06		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
VX047910.D	1	09/30/25 14:58	VX093025

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:	RW4-20250922DL		SDG No.:	Q3193	
Lab Sample ID:	Q3193-06DL		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
VX047929.D	5	10/01/25 11:20	VX100125

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	2.50	UD	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	3.80	UD	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	2.50	UD	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	70.1	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:	RW4-20250922DL		SDG No.:	Q3193	
Lab Sample ID:	Q3193-06DL		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
VX047929.D	5	10/01/25 11:20	VX100125

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	49.1		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124000	5.544				
540-36-3	1,4-Difluorobenzene	250000	6.745				
3114-55-4	Chlorobenzene-d5	255000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	121000	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:	RW4-20250922DL		SDG No.:	Q3193	
Lab Sample ID:	Q3193-06DL		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
VX047929.D	5	10/01/25 11:20	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:	GM38-RW3-MW1-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-07		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
VX047934.D	1	10/01/25 13:04	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	0.43	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	17.8		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:	GM38-RW3-MW1-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-07		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
VX047934.D	1	10/01/25 13:04	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	1.50		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	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.544				
540-36-3	1,4-Difluorobenzene	279000	6.751				
3114-55-4	Chlorobenzene-d5	289000	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:	GM38-RW3-MW1-20250922		SDG No.:	Q3193	
Lab Sample ID:	Q3193-07		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
VX047934.D	1	10/01/25 13:04	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT20551-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-08		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
VX047935.D	1	10/01/25 13:25	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	2.10	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	0.29	J	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	0.52	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	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	0.41	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	6.60		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	1.20		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT20551-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-08		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
VX047935.D	1	10/01/25 13:25	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	0.31	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	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.544				
540-36-3	1,4-Difluorobenzene	279000	6.745				
3114-55-4	Chlorobenzene-d5	291000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT20551-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-08		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
VX047935.D	1	10/01/25 13:25	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10A-MW01I-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-09		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
VX047913.D	1	09/30/25 16:00	VX093025

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	2.20	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	0.36	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10A-MW01I-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-09		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
VX047913.D	1	09/30/25 16:00	VX093025

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	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126000	5.544				
540-36-3	1,4-Difluorobenzene	262000	6.751				
3114-55-4	Chlorobenzene-d5	270000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	134000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10A-MW01I-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-09		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
VX047913.D	1	09/30/25 16:00	VX093025

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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01S-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-10		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
VX047914.D	1	09/30/25 16:21	VX093025

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	0.28	J	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01S-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-10		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
VX047914.D	1	09/30/25 16:21	VX093025

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	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.1		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.544				
540-36-3	1,4-Difluorobenzene	260000	6.751				
3114-55-4	Chlorobenzene-d5	268000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	134000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01S-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-10		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
VX047914.D	1	09/30/25 16:21	VX093025

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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT172S1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-11		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
VX047915.D	1	09/30/25 16:42	VX093025

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	0.99	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	0.53	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	33.0		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	0.33	J	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT172S1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-11		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
VX047915.D	1	09/30/25 16:42	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.50		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	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.538				
540-36-3	1,4-Difluorobenzene	262000	6.751				
3114-55-4	Chlorobenzene-d5	270000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	137000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT172S1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-11		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
VX047915.D	1	09/30/25 16:42	VX093025

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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	DUP12-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-12		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
VX047916.D	1	09/30/25 17:03	VX093025

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	0.32	J	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	1.30		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	2.20		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	0.44	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	14.0		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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	DUP12-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-12		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
VX047916.D	1	09/30/25 17:03	VX093025

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	0.96	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	53.1		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.544				
540-36-3	1,4-Difluorobenzene	272000	6.751				
3114-55-4	Chlorobenzene-d5	283000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	DUP12-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-12		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
VX047916.D	1	09/30/25 17:03	VX093025

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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10A-MW01S-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-13		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
VX047917.D	1	09/30/25 17:24	VX093025

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	2.40	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	0.75	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10A-MW01S-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-13		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
VX047917.D	1	09/30/25 17:24	VX093025

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	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124000	5.544				
540-36-3	1,4-Difluorobenzene	253000	6.745				
3114-55-4	Chlorobenzene-d5	262000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	129000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10A-MW01S-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-13		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
VX047917.D	1	09/30/25 17:24	VX093025

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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01D1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-14		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
VX047918.D	1	09/30/25 17:45	VX093025

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	0.75	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01D1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-14		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
VX047918.D	1	09/30/25 17:45	VX093025

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	52.8		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.0		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	267000	6.751				
3114-55-4	Chlorobenzene-d5	278000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW8-MW01D1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-14		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
VX047918.D	1	09/30/25 17:45	VX093025

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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	DUP11-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-15		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
VX047919.D	1	09/30/25 18:06	VX093025

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	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	DUP11-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-15		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
VX047919.D	1	09/30/25 18:06	VX093025

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	52.1		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	53.4		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.537				
540-36-3	1,4-Difluorobenzene	265000	6.75				
3114-55-4	Chlorobenzene-d5	272000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	136000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	DUP11-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-15		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
VX047919.D	1	09/30/25 18:06	VX093025

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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT161S1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-16		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
VX047920.D	1	09/30/25 18:27	VX093025

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	3.60	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	0.38	J	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	2.20		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	0.57	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	0.84	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	0.30	J	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT161S1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-16		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
VX047920.D	1	09/30/25 18:27	VX093025

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	0.38	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	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.544				
540-36-3	1,4-Difluorobenzene	268000	6.751				
3114-55-4	Chlorobenzene-d5	278000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	139000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT161S1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-16		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
VX047920.D	1	09/30/25 18:27	VX093025

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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE103D1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-17		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
VX047921.D	1	09/30/25 18:48	VX093025

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	8.50		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.40		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	1.40		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	0.39	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	510	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE103D1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-17		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
VX047921.D	1	09/30/25 18:48	VX093025

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	6.10		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	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.3		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	136000	5.544				
540-36-3	1,4-Difluorobenzene	283000	6.751				
3114-55-4	Chlorobenzene-d5	280000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE103D1-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-17		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
VX047921.D	1	09/30/25 18:48	VX093025

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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE103D1-20250923DL		SDG No.:	Q3193	
Lab Sample ID:	Q3193-17DL		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
VX047932.D	10	10/01/25 12:22	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
74-87-3	Chloromethane	5.00	UD	3.20	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	2.60	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	14.4	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	4.70	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.30	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	8.30	JD	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	2.30	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	15.1	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	2.10	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	1.60	5.00	10.0	ug/L
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	2.80	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.30	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	2.30	5.00	10.0	ug/L
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	ug/L
78-93-3	2-Butanone	25.0	UD	9.80	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	7.50	UD	1.90	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.50	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	2.00	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.60	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.50	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.20	5.00	10.0	ug/L
79-01-6	Trichloroethene	460	D	0.93	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	2.00	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.20	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	6.80	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.40	5.00	10.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE103D1-20250923DL		SDG No.:	Q3193	
Lab Sample ID:	Q3193-17DL		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
VX047932.D	10	10/01/25 12:22	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	UD	1.70	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.60	5.00	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	UD	2.10	5.00	10.0	ug/L
591-78-6	2-Hexanone	25.0	UD	8.90	25.0	50.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	5.80	JD	2.30	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.20	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.30	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	2.40	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.20	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.50	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	1.90	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.20	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.60	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	135000	5.544				
540-36-3	1,4-Difluorobenzene	283000	6.751				
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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE103D1-20250923DL		SDG No.:	Q3193	
Lab Sample ID:	Q3193-17DL		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
VX047932.D	10	10/01/25 12:22	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	MW203D-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-18		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
VX047941.D	1	10/01/25 15:30	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	0.53	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.90	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	0.32	J	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	1.20		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	2.20		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	0.32	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	12.3		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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	MW203D-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-18		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
VX047941.D	1	10/01/25 15:30	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	0.87	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	54.1		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	142000	5.544				
540-36-3	1,4-Difluorobenzene	297000	6.751				
3114-55-4	Chlorobenzene-d5	304000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	151000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	MW203D-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-18		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
VX047941.D	1	10/01/25 15:30	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB04-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-19		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
VX047988.D	1	10/03/25 13:09	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB04-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-19		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
VX047988.D	1	10/03/25 13:09	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	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	5.544				
540-36-3	1,4-Difluorobenzene	263000	6.751				
3114-55-4	Chlorobenzene-d5	270000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	139000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	EB04-20250923		SDG No.:	Q3193	
Lab Sample ID:	Q3193-19		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
VX047988.D	1	10/03/25 13:09	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:	TT174I1-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-20		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
VX047942.D	1	10/01/25 15:50	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	1.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.10	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	0.38	J	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	3.50		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	0.45	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	1.50		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:	TT174I1-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-20		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
VX047942.D	1	10/01/25 15:50	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	0.55	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	50.2		81 - 118		100%	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	53.2		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.544				
540-36-3	1,4-Difluorobenzene	242000	6.751				
3114-55-4	Chlorobenzene-d5	250000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	123000	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:	TT174I1-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-20		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
VX047942.D	1	10/01/25 15:50	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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	TT162S1-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-21		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
VX047939.D	1	10/01/25 14:48	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	2.30	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	1.40		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	10.5		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:	TT162S1-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-21		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
VX047939.D	1	10/01/25 14:48	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	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.544				
540-36-3	1,4-Difluorobenzene	245000	6.751				
3114-55-4	Chlorobenzene-d5	249000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	119000	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:	TT162S1-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-21		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
VX047939.D	1	10/01/25 14:48	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:	09/24/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RE120D3-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-22		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
VX047940.D	1	10/01/25 15:09	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	1.30		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	1.90	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	11.7		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	0.26	J	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:	RE120D3-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-22		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
VX047940.D	1	10/01/25 15:09	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	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.544				
540-36-3	1,4-Difluorobenzene	298000	6.751				
3114-55-4	Chlorobenzene-d5	312000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	155000	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:	RE120D3-20250924		SDG No.:	Q3193	
Lab Sample ID:	Q3193-22		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
VX047940.D	1	10/01/25 15:09	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



QC SUMMARY

Surrogate Summary

SDG No.: **Q3193**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3193-01	RW10-MW01D-20250923	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	56.4	113		85	114
Q3193-02MS	RW10-MW01D-20250923MS	1,2-Dichloroethane-d4	50	51.5	103		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	50.4	101		89	112
		4-Bromofluorobenzene	50	50.3	101		85	114
Q3193-03MSD	RW10-MW01D-20250923MSD	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	53.1	106		80	119
		Toluene-d8	50	52.5	105		89	112
		4-Bromofluorobenzene	50	52.6	105		85	114
Q3193-04	TT149S1-20250922	1,2-Dichloroethane-d4	50	56.2	112		81	118
		Dibromofluoromethane	50	50.2	100		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	54.6	109		85	114
Q3193-05	RE137-20250922	1,2-Dichloroethane-d4	50	49.1	98		81	118
		Dibromofluoromethane	50	47.8	96		80	119
		Toluene-d8	50	46.9	94		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
Q3193-05DL	RE137-20250922DL	1,2-Dichloroethane-d4	50	50.0	100		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	53.5	107		85	114
Q3193-06	RW4-20250922	1,2-Dichloroethane-d4	50	52.0	104		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114
Q3193-06DL	RW4-20250922DL	1,2-Dichloroethane-d4	50	49.1	98		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	52.8	106		85	114
Q3193-07	GM38-RW3-MW1-20250922	1,2-Dichloroethane-d4	50	52.2	104		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	55.9	112		85	114
Q3193-08	TT20551-20250923	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	56.1	112		85	114
Q3193-09	RW10A-MW01I-20250923	1,2-Dichloroethane-d4	50	50.4	101		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	53.8	108		85	114
Q3193-10	RW8-MW01S-20250923	1,2-Dichloroethane-d4	50	50.4	101		81	118
		Dibromofluoromethane	50	48.8	98		80	119
		Toluene-d8	50	48.1	96		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114
Q3193-11	TT172S1-20250923	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	49.9	100		80	119

Surrogate Summary

SDG No.: **Q3193**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3193-11	TT172S1-20250923	Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	54.8	110		85	114
Q3193-12	DUP12-20250923	1,2-Dichloroethane-d4	50	53.1	106		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	49.7	99		89	112
		4-Bromofluorobenzene	50	56.2	112		85	114
Q3193-13	RW10A-MW01S-20250923	1,2-Dichloroethane-d4	50	51.8	104		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	54.9	110		85	114
Q3193-14	RW8-MW01D1-20250923	1,2-Dichloroethane-d4	50	52.8	106		81	118
		Dibromofluoromethane	50	50.6	101		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	54.6	109		85	114
Q3193-15	DUP11-20250923	1,2-Dichloroethane-d4	50	52.1	104		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	53.4	107		85	114
Q3193-16	TT161S1-20250923	1,2-Dichloroethane-d4	50	53.9	108		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
Q3193-17	RE103D1-20250923	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	47.3	95		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
Q3193-17DL	RE103D1-20250923DL	1,2-Dichloroethane-d4	50	53.5	107		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	55.7	111		85	114
Q3193-18	MW203D-20250923	1,2-Dichloroethane-d4	50	54.1	108		81	118
		Dibromofluoromethane	50	50.0	100		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	55.0	110		85	114
Q3193-19	EB04-20250923	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	48.1	96		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
Q3193-20	TT174I1-20250924	1,2-Dichloroethane-d4	50	50.2	100		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	53.2	106		85	114
Q3193-21	TT162S1-20250924	1,2-Dichloroethane-d4	50	50.7	101		81	118
		Dibromofluoromethane	50	49.6	99		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	52.2	104		85	114
Q3193-22	RE120D3-20250924	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	50.1	100		80	119
		Toluene-d8	50	48.9	98		89	112
		4-Bromofluorobenzene	50	56.5	113		85	114

Surrogate Summary

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX0930WBL01	VX0930WBL01	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	56.0	112		85	114
VX0930WBS01	VX0930WBS01	1,2-Dichloroethane-d4	50	50.0	100		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	51.0	102		89	112
		4-Bromofluorobenzene	50	51.6	103		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
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
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.: Q3193

Analytical Method:

SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile :

VX047949.D

		Sample				Rec	RPD	Limits			
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3193-02MS	Client Sample ID :	RW10-MW01D-20250923MS								
Dichlorodifluoromethane	50	0	51.0	ug/L	102				32	152	
Chloromethane	50	0	47.4	ug/L	95				50	139	
Vinyl chloride	50	0	50.4	ug/L	101				58	137	
Bromomethane	50	0	48.7	ug/L	97				53	141	
Chloroethane	50	0	51.0	ug/L	102				60	138	
Trichlorofluoromethane	50	0	50.5	ug/L	101				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	49.7	ug/L	99				70	136	
1,1-Dichloroethene	50	0	49.9	ug/L	100				71	131	
Acetone	250	1.80	220	ug/L	87				39	160	
Carbon disulfide	50	0	45.8	ug/L	92				64	133	
Methyl tert-butyl Ether	50	0	50.9	ug/L	102				71	124	
Methyl Acetate	50	0	43.9	ug/L	88				56	136	
Methylene Chloride	50	0	50.3	ug/L	101				74	124	
trans-1,2-Dichloroethene	50	0	49.9	ug/L	100				75	124	
1,1-Dichloroethane	50	0	51.3	ug/L	103				77	125	
Cyclohexane	50	0	44.6	ug/L	89				71	130	
2-Butanone	250	0	260	ug/L	104				56	143	
Carbon Tetrachloride	50	0	47.7	ug/L	95				72	136	
cis-1,2-Dichloroethene	50	0	50.6	ug/L	101				78	123	
Bromochloromethane	50	0	49.9	ug/L	100				78	123	
Chloroform	50	0	52.8	ug/L	106				79	124	
1,1,1-Trichloroethane	50	0	50.3	ug/L	101				74	131	
Methylcyclohexane	50	0	42.1	ug/L	84				72	132	
Benzene	50	0	49.8	ug/L	100				79	120	
1,2-Dichloroethane	50	0	49.6	ug/L	99				73	128	
Trichloroethene	50	0	48.7	ug/L	97				79	123	
1,2-Dichloropropane	50	0	51.1	ug/L	102				78	122	
Bromodichloromethane	50	0	51.9	ug/L	104				79	125	
4-Methyl-2-Pentanone	250	0	280	ug/L	112				67	130	
Toluene	50	0	49.3	ug/L	99				80	121	
t-1,3-Dichloropropene	50	0	42.7	ug/L	85				73	127	
cis-1,3-Dichloropropene	50	0	42.6	ug/L	85				75	124	
1,1,2-Trichloroethane	50	0	53.0	ug/L	106				80	119	
2-Hexanone	250	0	270	ug/L	108				57	139	
Dibromochloromethane	50	0	53.5	ug/L	107				74	126	
1,2-Dibromoethane	50	0	53.7	ug/L	107				77	121	
Tetrachloroethene	50	0	44.7	ug/L	89				74	129	
Chlorobenzene	50	0	49.0	ug/L	98				82	118	
Ethyl Benzene	50	0	47.8	ug/L	96				79	121	
m/p-Xylenes	100	0	97.2	ug/L	97				80	121	
o-Xylene	50	0	48.6	ug/L	97				78	122	
Styrene	50	0	49.1	ug/L	98				78	123	
Bromoform	50	0	52.4	ug/L	105				66	130	
Isopropylbenzene	50	0	44.6	ug/L	89				72	131	
1,1,2,2-Tetrachloroethane	50	0	50.6	ug/L	101				71	121	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3193

Analytical Method: SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile : VX047949.D

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	44.6	ug/L	89				80	119	
1,4-Dichlorobenzene	50	0	44.0	ug/L	88				79	118	
1,2-Dichlorobenzene	50	0	46.0	ug/L	92				80	119	
1,2-Dibromo-3-Chloropropane	50	0	47.1	ug/L	94				62	128	
1,2,4-Trichlorobenzene	50	0	42.2	ug/L	84				69	130	
1,2,3-Trichlorobenzene	50	0	44.6	ug/L	89				69	129	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3193

Analytical Method: SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile : VX047950.D

Parameter	Spike	Sample	Result	Units	Rec		RPD		Limits		RPD
		Result			Qual	RPD	Qual	Low	High		
Lab Sample ID :	Q3193-03MSD	Client Sample ID :	RW10-MW01D-20250923MSD								
Dichlorodifluoromethane	50	0	49.0	ug/L	98		4		32	152	20
Chloromethane	50	0	46.4	ug/L	93		2		50	139	20
Vinyl chloride	50	0	48.7	ug/L	97		3		58	137	20
Bromomethane	50	0	48.3	ug/L	97		1		53	141	20
Chloroethane	50	0	47.9	ug/L	96		6		60	138	20
Trichlorofluoromethane	50	0	48.9	ug/L	98		3		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	48.2	ug/L	96		3		70	136	20
1,1-Dichloroethene	50	0	48.1	ug/L	96		4		71	131	20
Acetone	250	1.80	210	ug/L	83		5		39	160	20
Carbon disulfide	50	0	44.9	ug/L	90		2		64	133	20
Methyl tert-butyl Ether	50	0	50.2	ug/L	100		1		71	124	20
Methyl Acetate	50	0	42.3	ug/L	85		4		56	136	20
Methylene Chloride	50	0	48.8	ug/L	98		3		74	124	20
trans-1,2-Dichloroethene	50	0	48.6	ug/L	97		3		75	124	20
1,1-Dichloroethane	50	0	50.5	ug/L	101		2		77	125	20
Cyclohexane	50	0	44.7	ug/L	89		0		71	130	20
2-Butanone	250	0	260	ug/L	104		0		56	143	20
Carbon Tetrachloride	50	0	46.8	ug/L	94		2		72	136	20
cis-1,2-Dichloroethene	50	0	49.8	ug/L	100		2		78	123	20
Bromochloromethane	50	0	51.9	ug/L	104		4		78	123	20
Chloroform	50	0	51.4	ug/L	103		3		79	124	20
1,1,1-Trichloroethane	50	0	50.0	ug/L	100		1		74	131	20
Methylcyclohexane	50	0	42.2	ug/L	84		0		72	132	20
Benzene	50	0	48.9	ug/L	98		2		79	120	20
1,2-Dichloroethane	50	0	48.9	ug/L	98		1		73	128	20
Trichloroethene	50	0	48.2	ug/L	96		1		79	123	20
1,2-Dichloropropane	50	0	50.6	ug/L	101		1		78	122	20
Bromodichloromethane	50	0	50.9	ug/L	102		2		79	125	20
4-Methyl-2-Pentanone	250	0	270	ug/L	108		4		67	130	20
Toluene	50	0	49.2	ug/L	98		0		80	121	20
t-1,3-Dichloropropene	50	0	42.9	ug/L	86		0		73	127	20
cis-1,3-Dichloropropene	50	0	42.2	ug/L	84		1		75	124	20
1,1,2-Trichloroethane	50	0	53.2	ug/L	106		0		80	119	20
2-Hexanone	250	0	260	ug/L	104		4		57	139	20
Dibromochloromethane	50	0	52.9	ug/L	106		1		74	126	20
1,2-Dibromoethane	50	0	53.1	ug/L	106		1		77	121	20
Tetrachloroethene	50	0	44.7	ug/L	89		0		74	129	20
Chlorobenzene	50	0	48.4	ug/L	97		1		82	118	20
Ethyl Benzene	50	0	47.5	ug/L	95		1		79	121	20
m/p-Xylenes	100	0	95.5	ug/L	96		2		80	121	20
o-Xylene	50	0	47.6	ug/L	95		2		78	122	20
Styrene	50	0	48.6	ug/L	97		1		78	123	20
Bromoform	50	0	52.3	ug/L	105		0		66	130	20
Isopropylbenzene	50	0	45.7	ug/L	91		2		72	131	20
1,1,2,2-Tetrachloroethane	50	0	50.7	ug/L	101		0		71	121	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3193

Analytical Method: SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile : VX047950.D

Parameter	Spike	Sample Result	Result	Units	Rec			RPD	Limits		
					Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	46.1	ug/L	92		3		80	119	20
1,4-Dichlorobenzene	50	0	45.3	ug/L	91		3		79	118	20
1,2-Dichlorobenzene	50	0	47.4	ug/L	95		3		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	48.9	ug/L	98		4		62	128	20
1,2,4-Trichlorobenzene	50	0	43.7	ug/L	87		3		69	130	20
1,2,3-Trichlorobenzene	50	0	45.8	ug/L	92		3		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3193</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047899.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0930WBS01	Dichlorodifluoromethane	20	21.4	ug/L	107			32	152	
	Chloromethane	20	19.4	ug/L	97			50	139	
	Vinyl chloride	20	20.6	ug/L	103			58	137	
	Bromomethane	20	21.0	ug/L	105			53	141	
	Chloroethane	20	21.1	ug/L	106			60	138	
	Trichlorofluoromethane	20	21.0	ug/L	105			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/L	104			70	136	
	1,1-Dichloroethene	20	20.3	ug/L	102			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	19.3	ug/L	97			64	133	
	Methyl tert-butyl Ether	20	20.7	ug/L	104			71	124	
	Methyl Acetate	20	22.9	ug/L	115			56	136	
	Methylene Chloride	20	21.6	ug/L	108			74	124	
	trans-1,2-Dichloroethene	20	20.5	ug/L	103			75	124	
	1,1-Dichloroethane	20	21.1	ug/L	106			77	125	
	Cyclohexane	20	19.0	ug/L	95			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			78	123	
	Bromochloromethane	20	22.8	ug/L	114			78	123	
	Chloroform	20	22.0	ug/L	110			79	124	
	1,1,1-Trichloroethane	20	20.8	ug/L	104			74	131	
	Methylcyclohexane	20	18.5	ug/L	93			72	132	
	Benzene	20	20.9	ug/L	104			79	120	
	1,2-Dichloroethane	20	20.8	ug/L	104			73	128	
	Trichloroethene	20	20.5	ug/L	103			79	123	
	1,2-Dichloropropane	20	21.3	ug/L	106			78	122	
	Bromodichloromethane	20	21.5	ug/L	108			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.9	ug/L	104			80	121	
	t-1,3-Dichloropropene	20	20.6	ug/L	103			73	127	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			75	124	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	22.2	ug/L	111			74	126	
	1,2-Dibromoethane	20	22.8	ug/L	114			77	121	
	Tetrachloroethene	20	19.6	ug/L	98			74	129	
	Chlorobenzene	20	20.5	ug/L	103			82	118	
	Ethyl Benzene	20	19.8	ug/L	99			79	121	
	m/p-Xylenes	40	40.6	ug/L	102			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	20.5	ug/L	103			78	123	
	Bromoform	20	21.7	ug/L	109			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			71	121	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	19.9	ug/L	100			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3193</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047899.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0930WBS01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94			62	128	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			69	130	
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3193	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 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

SW-846

SDG No.:	<u>Q3193</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	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

SDG No.:	Q3193	SW-846	Analytical Method:	SW8260-Low
Client:	AECOM Technical Services, Inc.	Datafile :	VX047986.D	

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>Q3193</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	RPD
									High	
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

VX0930WBL01

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3193

Lab File ID: VX047898.D

Lab Sample ID: VX0930WBL01

Date Analyzed: 09/30/2025

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
VX0930WBS01	VX0930WBS01	VX047899.D	09/30/2025
RE137-20250922	Q3193-05	VX047909.D	09/30/2025
RW4-20250922	Q3193-06	VX047910.D	09/30/2025
RW10A-MW01I-20250923	Q3193-09	VX047913.D	09/30/2025
RW8-MW01S-20250923	Q3193-10	VX047914.D	09/30/2025
TT172S1-20250923	Q3193-11	VX047915.D	09/30/2025
DUP12-20250923	Q3193-12	VX047916.D	09/30/2025
RW10A-MW01S-20250923	Q3193-13	VX047917.D	09/30/2025
RW8-MW01D1-20250923	Q3193-14	VX047918.D	09/30/2025
DUP11-20250923	Q3193-15	VX047919.D	09/30/2025
TT161S1-20250923	Q3193-16	VX047920.D	09/30/2025
RE103D1-20250923	Q3193-17	VX047921.D	09/30/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1001WBL01

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3193

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
RW4-20250922DL	Q3193-06DL	VX047929.D	10/01/2025
RE137-20250922DL	Q3193-05DL	VX047931.D	10/01/2025
RE103D1-20250923DL	Q3193-17DL	VX047932.D	10/01/2025
TT149S1-20250922	Q3193-04	VX047933.D	10/01/2025
GM38-RW3-MW1-20250922	Q3193-07	VX047934.D	10/01/2025
TT20551-20250923	Q3193-08	VX047935.D	10/01/2025
TT162S1-20250924	Q3193-21	VX047939.D	10/01/2025
RE120D3-20250924	Q3193-22	VX047940.D	10/01/2025
MW203D-20250923	Q3193-18	VX047941.D	10/01/2025
TT174I1-20250924	Q3193-20	VX047942.D	10/01/2025
RW10-MW01D-20250923MS	Q3193-02MS	VX047949.D	10/01/2025
RW10-MW01D-20250923MSD	Q3193-03MSD	VX047950.D	10/01/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1003WBL01

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3193

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
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025
EB04-20250923	Q3193-19	VX047988.D	10/03/2025
RW10-MW01D-20250923	Q3193-01	VX047990.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.: Q3193
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.: Q3193

Lab File ID: VX047895.D

BFB Injection Date: 09/30/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:49

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	19.2
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.5 (0.8) 1
174	50.0 - 100.0% of mass 95	68
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	67.8 (99.7) 1
177	5.0 - 9.0% of mass 176	4 (5.9) 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	VX047896.D	09/30/2025	09:20
VX0930WBL01	VX0930WBL01	VX047898.D	09/30/2025	10:09
VX0930WBS01	VX0930WBS01	VX047899.D	09/30/2025	11:06
RE137-20250922	Q3193-05	VX047909.D	09/30/2025	14:37
RW4-20250922	Q3193-06	VX047910.D	09/30/2025	14:58
RW10A-MW01I-20250923	Q3193-09	VX047913.D	09/30/2025	16:00
RW8-MW01S-20250923	Q3193-10	VX047914.D	09/30/2025	16:21
TT172S1-20250923	Q3193-11	VX047915.D	09/30/2025	16:42
DUP12-20250923	Q3193-12	VX047916.D	09/30/2025	17:03
RW10A-MW01S-20250923	Q3193-13	VX047917.D	09/30/2025	17:24
RW8-MW01D1-20250923	Q3193-14	VX047918.D	09/30/2025	17:45
DUP11-20250923	Q3193-15	VX047919.D	09/30/2025	18:06
TT161S1-20250923	Q3193-16	VX047920.D	09/30/2025	18:27
RE103D1-20250923	Q3193-17	VX047921.D	09/30/2025	18:48
VSTDCCC050EC	VSTDCCC050	VX047923.D	09/30/2025	19:30

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3193

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
RW4-20250922DL	Q3193-06DL	VX047929.D	10/01/2025	11:20
RE137-20250922DL	Q3193-05DL	VX047931.D	10/01/2025	12:01
RE103D1-20250923DL	Q3193-17DL	VX047932.D	10/01/2025	12:22
TT149S1-20250922	Q3193-04	VX047933.D	10/01/2025	12:43
GM38-RW3-MW1-20250922	Q3193-07	VX047934.D	10/01/2025	13:04
TT20551-20250923	Q3193-08	VX047935.D	10/01/2025	13:25
TT162S1-20250924	Q3193-21	VX047939.D	10/01/2025	14:48
RE120D3-20250924	Q3193-22	VX047940.D	10/01/2025	15:09
MW203D-20250923	Q3193-18	VX047941.D	10/01/2025	15:30
TT174I1-20250924	Q3193-20	VX047942.D	10/01/2025	15:50
RW10-MW01D-20250923MS	Q3193-02MS	VX047949.D	10/01/2025	18:17
RW10-MW01D-20250923MSD	Q3193-03MSD	VX047950.D	10/01/2025	18:38
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.: Q3193

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
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025	12:22
EB04-20250923	Q3193-19	VX047988.D	10/03/2025	13:09
RW10-MW01D-20250923	Q3193-01	VX047990.D	10/03/2025	13:50
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.: Q3193
Lab File ID: VX047896.D Date Analyzed: 09/30/2025
Instrument ID: MSVOA_X Time Analyzed: 09:20
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	159265	5.53	274684	6.74	247069	10.04
UPPER LIMIT	318530	6.031	549368	7.239	494138	10.537
LOWER LIMIT	79632.5	5.031	137342	6.239	123535	9.537
EPA SAMPLE NO.						
RE137-20250922	127732	5.54	258483	6.75	254800	10.04
RW4-20250922	119753	5.54	250577	6.75	253514	10.04
RW10A-MW01I-20250923	125955	5.54	261894	6.75	270426	10.04
RW8-MW01S-20250923	127153	5.54	260280	6.75	268341	10.04
TT172S1-20250923	127218	5.54	261544	6.75	269532	10.04
DUP12-20250923	132206	5.54	271875	6.75	282976	10.04
RW10A-MW01S-20250923	123892	5.54	253037	6.75	261549	10.04
RW8-MW01D1-20250923	129037	5.54	266808	6.75	278211	10.04
DUP11-20250923	126991	5.54	265107	6.75	272232	10.04
TT161S1-20250923	127355	5.54	267637	6.75	278101	10.04
RE103D1-20250923	135542	5.54	282690	6.75	279849	10.04
VX0930WBL01	126165	5.54	254131	6.75	265110	10.04
VX0930WBS01	139945	5.54	252162	6.74	231700	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>Q3193</u>
Lab File ID:	<u>VX047896.D</u>	Date Analyzed:	<u>09/30/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:20</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	121307	12.00€				
UPPER LIMIT	242614	12.50€				
LOWER LIMIT	60653.5	11.50€				
EPA SAMPLE NO.						
RE137-20250922	124454	12.01				
RW4-20250922	125109	12.01				
RW10A-MW01I-20250923	134429	12.01				
RW8-MW01S-20250923	134231	12.01				
TT172S1-20250923	137318	12.01				
DUP12-20250923	144063	12.01				
RW10A-MW01S-20250923	128891	12.01				
RW8-MW01D1-20250923	142118	12.01				
DUP11-20250923	135633	12.01				
TT161S1-20250923	138945	12.01				
RE103D1-20250923	142951	12.01				
VX0930WBL01	133087	12.01				
VX0930WBS01	116962	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.: Q3193
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.						
RW10-MW01D-20250923MS	137577	5.54	249155	6.75	226618	10.04
RW10-MW01D-20250923MSD	130403	5.54	238258	6.75	219394	10.04
TT149S1-20250922	121776	5.54	256925	6.75	264472	10.04
RE137-20250922DL	121237	5.54	245128	6.75	249435	10.04
RW4-20250922DL	124052	5.54	250181	6.75	254599	10.04
GM38-RW3-MW1-20250922	137828	5.54	279360	6.75	288741	10.04
TT20551-20250923	133993	5.54	279255	6.75	291356	10.04
RE103D1-20250923DL	134999	5.54	282843	6.75	293609	10.04
MW203D-20250923	142268	5.54	297268	6.75	304101	10.04
TT174I1-20250924	118608	5.54	242382	6.75	250160	10.04
TT162S1-20250924	119386	5.54	245473	6.75	248853	10.04
RE120D3-20250924	142687	5.54	297599	6.75	311989	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>Q3193</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.						
RW10-MW01D-20250923MS	115324	12.01				
RW10-MW01D-20250923MSD	109020	12.01				
TT149S1-20250922	132812	12.01				
RE137-20250922DL	119740	12.01				
RW4-20250922DL	121354	12.01				
GM38-RW3-MW1-20250922	149951	12.01				
TT20551-20250923	141662	12.01				
RE103D1-20250923DL	148894	12.01				
MW203D-20250923	151044	12.01				
TT174I1-20250924	123424	12.01				
TT162S1-20250924	118778	12.01				
RE120D3-20250924	154786	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.: Q3193
 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.						
RW10-MW01D-20250923	131753	5.54	267351	6.75	277307	10.04
EB04-20250923	129971	5.54	263211	6.75	269714	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>Q3193</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.						
RW10-MW01D-20250923	143528	12.01				
EB04-20250923	138755	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:	VX0930WBL01		SDG No.:	Q3193
Lab Sample ID:	VX0930WBL01		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
VX047898.D	1	09/30/25 10:09	VX093025

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:	VX0930WBL01		SDG No.:	Q3193
Lab Sample ID:	VX0930WBL01		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
VX047898.D	1	09/30/25 10:09	VX093025

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	52.7		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	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	126000	5.544				
540-36-3	1,4-Difluorobenzene	254000	6.751				
3114-55-4	Chlorobenzene-d5	265000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	133000	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:	VX0930WBL01		SDG No.:	Q3193
Lab Sample ID:	VX0930WBL01		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
VX047898.D	1	09/30/25 10:09	VX093025

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:	VX1001WBL01		SDG No.:	Q3193
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.:	Q3193
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.:	Q3193
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:	VX1003WBL01		SDG No.:	Q3193
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.:	Q3193
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.:	Q3193
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:	VX0930WBS01		SDG No.:	Q3193
Lab Sample ID:	VX0930WBS01		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
VX047899.D	1	09/30/25 11:06	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	21.4		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	19.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	21.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.1		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	110		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	21.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.0		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		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	20.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	22.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	22.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.3		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.9		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:	VX0930WBS01		SDG No.:	Q3193
Lab Sample ID:	VX0930WBS01		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
VX047899.D	1	09/30/25 11:06	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.6		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	22.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		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	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	5.537				
540-36-3	1,4-Difluorobenzene	252000	6.744				
3114-55-4	Chlorobenzene-d5	232000	10.036				
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:	VX0930WBS01		SDG No.:	Q3193
Lab Sample ID:	VX0930WBS01		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
VX047899.D	1	09/30/25 11:06	VX093025

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.:	Q3193
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.:	Q3193
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.:	Q3193
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:	VX1003WBS02		SDG No.:	Q3193
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.:	Q3193
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.:	Q3193
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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923MS		SDG No.:	Q3193	
Lab Sample ID:	Q3193-02MS		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
VX047949.D	1	10/01/25 18:17	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	51.0		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	50.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	48.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	51.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	50.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	49.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	49.9		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	45.8		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	43.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	50.3		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	51.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	44.6		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	47.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	50.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	49.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	52.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	42.1		0.16	0.50	1.00	ug/L
71-43-2	Benzene	49.8		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	49.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	48.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	51.9		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	49.3		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923MS		SDG No.:	Q3193	
Lab Sample ID:	Q3193-02MS		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
VX047949.D	1	10/01/25 18:17	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	42.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.6		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	53.0		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	53.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	44.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	49.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	47.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	97.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	48.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	49.1		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	52.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	44.6		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	44.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	44.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	46.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	47.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	44.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.544				
540-36-3	1,4-Difluorobenzene	249000	6.745				
3114-55-4	Chlorobenzene-d5	227000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	115000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923MS		SDG No.:	Q3193	
Lab Sample ID:	Q3193-02MS		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
VX047949.D	1	10/01/25 18:17	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:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923MSD		SDG No.:	Q3193	
Lab Sample ID:	Q3193-03MSD		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
VX047950.D	1	10/01/25 18:38	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	49.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	46.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	48.7		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	48.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	47.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	48.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	48.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	210		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	44.9		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	50.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	42.3		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	48.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	48.6		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	50.5		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	44.7		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	46.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	49.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	51.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	51.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	42.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	48.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	48.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	48.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	50.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	270		0.68	2.50	5.00	ug/L
108-88-3	Toluene	49.2		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923MSD		SDG No.:	Q3193	
Lab Sample ID:	Q3193-03MSD		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
VX047950.D	1	10/01/25 18:38	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	42.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	53.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	260		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	52.9		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.1		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	44.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	48.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	47.5		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	95.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	47.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	48.6		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	52.3		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	45.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	46.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	47.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	48.9		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.7		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	45.8		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.7		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.5		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	5.544				
540-36-3	1,4-Difluorobenzene	238000	6.751				
3114-55-4	Chlorobenzene-d5	219000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	109000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/23/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/24/25	
Client Sample ID:	RW10-MW01D-20250923MSD		SDG No.:	Q3193	
Lab Sample ID:	Q3193-03MSD		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
VX047950.D	1	10/01/25 18:38	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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>AECO15</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3193</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>Q3193</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>Q3193</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/30/2025 09:20</u>
Lab File ID:	<u>VX047896.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	0.609		17.57	20
Chloromethane	0.680	0.711	0.1	4.56	20
Vinyl Chloride	0.666	0.732		9.91	20
Bromomethane	0.422	0.433		2.61	20
Chloroethane	0.445	0.494		11.01	20
Trichlorofluoromethane	0.989	1.083		9.51	20
1,1,2-Trichlorotrifluoroethane	0.578	0.633		9.52	20
1,1-Dichloroethene	0.594	0.627		5.56	20
Acetone	0.346	0.361		4.34	20
Carbon Disulfide	1.626	1.668		2.58	20
Methyl tert-butyl Ether	2.169	2.294		5.76	20
Methyl Acetate	0.770	0.908		17.92	20
Methylene Chloride	0.732	0.791		8.06	20
trans-1,2-Dichloroethene	0.640	0.679		6.09	20
1,1-Dichloroethane	1.263	1.347	0.1	6.57	20
Cyclohexane	1.052	0.974		-7.41	20
2-Butanone	0.432	0.464		7.41	20
Carbon Tetrachloride	0.532	0.552		3.76	20
cis-1,2-Dichloroethene	0.783	0.830		6	20
Bromochloromethane	0.551	0.555		0.73	20
Chloroform	1.276	1.360		6.58	20
1,1,1-Trichloroethane	1.082	1.123		3.79	20
Methylcyclohexane	0.556	0.513		-7.73	20
Benzene	1.488	1.565		5.18	20
1,2-Dichloroethane	0.566	0.594		4.95	20
Trichloroethene	0.360	0.371		3.06	20
1,2-Dichloropropane	0.381	0.413		8.4	20
Bromodichloromethane	0.572	0.622		8.74	20
4-Methyl-2-Pentanone	0.477	0.524		9.85	20
Toluene	0.917	0.954		4.03	20
t-1,3-Dichloropropene	0.584	0.609		4.28	20
cis-1,3-Dichloropropene	0.624	0.659		5.61	20
1,1,2-Trichloroethane	0.354	0.384		8.48	20
2-Hexanone	0.343	0.366		6.71	20
Dibromochloromethane	0.407	0.452		11.06	20
1,2-Dibromoethane	0.360	0.395		9.72	20
Tetrachloroethene	0.326	0.323		-0.92	20
Chlorobenzene	1.136	1.183	0.3	4.14	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>Q3193</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/30/2025</u> <u>09:20</u>
Lab File ID:	<u>VX047896.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>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	1.981		1.07	20
m/p-Xylenes	0.729	0.744		2.06	20
o-Xylene	0.706	0.723		2.41	20
Styrene	1.236	1.283		3.8	20
Bromoform	0.293	0.323	0.1	10.24	20
Isopropylbenzene	3.801	3.742		-1.55	20
1,1,2,2-Tetrachloroethane	1.150	1.226	0.3	6.61	20
1,3-Dichlorobenzene	1.739	1.708		-1.78	20
1,4-Dichlorobenzene	1.785	1.732		-2.97	20
1,2-Dichlorobenzene	1.657	1.671		0.85	20
1,2-Dibromo-3-Chloropropane	0.233	0.236		1.29	20
1,2,4-Trichlorobenzene	1.077	0.993		-7.8	20
1,2,3-Trichlorobenzene	1.002	0.950		-5.19	20
1,2-Dichloroethane-d4	0.796	0.783		-1.63	20
Dibromofluoromethane	0.335	0.359		7.16	20
Toluene-d8	1.160	1.184		2.07	20
4-Bromofluorobenzene	0.440	0.438		-0.46	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>Q3193</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/30/2025 19:30</u>
Lab File ID:	<u>VX047923.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	0.582		12.35	50
Chloromethane	0.680	0.702	0.1	3.23	50
Vinyl Chloride	0.666	0.724		8.71	50
Bromomethane	0.422	0.460		9.01	50
Chloroethane	0.445	0.493		10.79	50
Trichlorofluoromethane	0.989	1.079		9.1	50
1,1,2-Trichlorotrifluoroethane	0.578	0.633		9.52	50
1,1-Dichloroethene	0.594	0.646		8.75	50
Acetone	0.346	0.315		-8.96	50
Carbon Disulfide	1.626	1.655		1.78	50
Methyl tert-butyl Ether	2.169	2.399		10.6	50
Methyl Acetate	0.770	1.002		30.13	50
Methylene Chloride	0.732	0.814		11.2	50
trans-1,2-Dichloroethene	0.640	0.698		9.06	50
1,1-Dichloroethane	1.263	1.405	0.1	11.24	50
Cyclohexane	1.052	1.031		-2	50
2-Butanone	0.432	0.482		11.57	50
Carbon Tetrachloride	0.532	0.541		1.69	50
cis-1,2-Dichloroethene	0.783	0.858		9.58	50
Bromochloromethane	0.551	0.591		7.26	50
Chloroform	1.276	1.447		13.4	50
1,1,1-Trichloroethane	1.082	1.173		8.41	50
Methylcyclohexane	0.556	0.532		-4.32	50
Benzene	1.488	1.614		8.47	50
1,2-Dichloroethane	0.566	0.612		8.13	50
Trichloroethene	0.360	0.387		7.5	50
1,2-Dichloropropane	0.381	0.430		12.86	50
Bromodichloromethane	0.572	0.640		11.89	50
4-Methyl-2-Pentanone	0.477	0.570		19.5	50
Toluene	0.917	0.985		7.41	50
t-1,3-Dichloropropene	0.584	0.607		3.94	50
cis-1,3-Dichloropropene	0.624	0.661		5.93	50
1,1,2-Trichloroethane	0.354	0.403		13.84	50
2-Hexanone	0.343	0.395		15.16	50
Dibromochloromethane	0.407	0.472		15.97	50
1,2-Dibromoethane	0.360	0.422		17.22	50
Tetrachloroethene	0.326	0.331		1.53	50
Chlorobenzene	1.136	1.178	0.3	3.7	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>Q3193</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/30/2025 19:30</u>
Lab File ID:	<u>VX047923.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	2.014		2.76	50
m/p-Xylenes	0.729	0.760		4.25	50
o-Xylene	0.706	0.734		3.97	50
Styrene	1.236	1.311		6.07	50
Bromoform	0.293	0.335	0.1	14.33	50
Isopropylbenzene	3.801	3.761		-1.05	50
1,1,2,2-Tetrachloroethane	1.150	1.256	0.3	9.22	50
1,3-Dichlorobenzene	1.739	1.732		-0.4	50
1,4-Dichlorobenzene	1.785	1.749		-2.02	50
1,2-Dichlorobenzene	1.657	1.688		1.87	50
1,2-Dibromo-3-Chloropropane	0.233	0.244		4.72	50
1,2,4-Trichlorobenzene	1.077	1.022		-5.11	50
1,2,3-Trichlorobenzene	1.002	0.979		-2.3	50
1,2-Dichloroethane-d4	0.796	0.844		6.03	50
Dibromofluoromethane	0.335	0.363		8.36	50
Toluene-d8	1.160	1.231		6.12	50
4-Bromofluorobenzene	0.440	0.471		7.05	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>Q3193</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>Q3193</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>Q3193</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>Q3193</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>Q3193</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>Q3193</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/03/2025</u> <u>09:35</u>
Lab File ID:	<u>VX047981.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>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>Q3193</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>Q3193</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.