

LAB CHRONICLE

OrderID:	Q3095	OrderDate:	9/12/2025 12:38:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3095-01	MW305I-20250908	Water	VOCMS Group1	8260-Low	09/08/25		09/17/25	09/12/25
Q3095-02	MW179D-20250908	Water	VOCMS Group1	8260-Low	09/08/25		09/17/25	09/12/25
Q3095-03	MW201D-20250908	Water	VOCMS Group1	8260-Low	09/08/25		09/17/25	09/12/25
Q3095-04	MW179D1-20250908	Water	VOCMS Group1	8260-Low	09/08/25		09/17/25	09/12/25
Q3095-05	MW203D2-20250909	Water	VOCMS Group1	8260-Low	09/09/25		09/17/25	09/12/25
Q3095-08	MW203D1-20250909	Water	VOCMS Group1	8260-Low	09/09/25		09/17/25	09/12/25
Q3095-09	MW179D2-20250909	Water	VOCMS Group1	8260-Low	09/09/25		09/17/25	09/12/25
Q3095-10	MW201D1-20250909	Water	VOCMS Group1	8260-Low	09/09/25		09/17/25	09/12/25
Q3095-11	RE122D1-20250909	Water	VOCMS Group1	8260-Low	09/09/25		09/17/25	09/12/25
Q3095-11DL	RE122D1-20250909D L	Water	VOCMS Group1	8260-Low	09/09/25		09/18/25	09/12/25
Q3095-12	MW202D-20250909	Water	VOCMS Group1	8260-Low	09/09/25		09/18/25	09/12/25

LAB CHRONICLE

Q3095-13	MW178I1-20250909	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/17/25	
Q3095-13DL	MW178I1-20250909D L	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-14	RE123D1-20250909	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-15	RE123D3-20250909	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-16	MW305D-20250909	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/17/25	
Q3095-16DL	MW305D-20250909DL	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-17	DUP01-20250909	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/17/25	
Q3095-17DL	DUP01-20250909DL	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-18	RE126D2-20250909	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/17/25	
Q3095-18DL	RE126D2-20250909D L	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-19	RE126D3-20250909	Water			09/09/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-20	MW178S-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-21	RE126D1-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/17/25	
Q3095-22	MW202D1-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/17/25	

LAB CHRONICLE

Q3095-23	RE104D2-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-23DL	RE104D2-20250910D L	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/19/25	
Q3095-24	MW178I-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/19/25	
Q3095-25	DUP02-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-25DL	DUP02-20250910DL	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/19/25	
Q3095-26	DUP03-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/19/25	
Q3095-27	RE117D1-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/19/25	
Q3095-28	RE104D3-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-29	RE122D2-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	
Q3095-29DL	RE122D2-20250910D L	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/19/25	
Q3095-30	RE104D1-20250910	Water			09/10/25		09/12/25
			VOCMS Group1	8260-Low		09/19/25	
Q3095-31	TT180D-20250911	Water			09/11/25		09/12/25
			VOCMS Group1	8260-Low		09/19/25	
Q3095-32	RE122D3-20250911	Water			09/11/25		09/12/25
			VOCMS Group1	8260-Low		09/19/25	
Q3095-33	TB01-20250911	Water			09/11/25		09/12/25
			VOCMS Group1	8260-Low		09/18/25	

LAB CHRONICLE

Q3095-34	TB02-20250911	Water	VOCMS Group1	8260-Low	09/11/25	09/18/25	09/12/25
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Hit Summary Sheet

SW-846

Client ID:	MW305I-20250908								
Q3095-01	MW305I-20250908	Water	1,1,2-Trichlorotrifluoroethane	0.67	J	0.25	0.50	1.00	ug/L
Q3095-01	MW305I-20250908	Water	1,1-Dichloroethene	0.42	J	0.23	0.75	1.00	ug/L
Q3095-01	MW305I-20250908	Water	Trichloroethene	68.9		0.090	0.75	1.00	ug/L
Q3095-01	MW305I-20250908	Water	Tetrachloroethene	0.78	J	0.23	0.50	1.00	ug/L
			Total Voc :			70.8			
			Total Concentration:			70.8			
Client ID:	MW179D-20250908								
Q3095-02	MW179D-20250908	Water	Methyl tert-butyl Ether	1.70		0.16	0.50	1.00	ug/L
Q3095-02	MW179D-20250908	Water	cis-1,2-Dichloroethene	28.3		0.19	0.75	1.00	ug/L
Q3095-02	MW179D-20250908	Water	Trichloroethene	88.0		0.090	0.75	1.00	ug/L
Q3095-02	MW179D-20250908	Water	Tetrachloroethene	9.10		0.23	0.50	1.00	ug/L
			Total Voc :			127			
			Total Concentration:			127			
Client ID:	MW201D-20250908								
Q3095-03	MW201D-20250908	Water	Dichlorodifluoromethane	10.7		0.22	0.50	1.00	ug/L
Q3095-03	MW201D-20250908	Water	Trichlorofluoromethane	140		0.33	0.50	1.00	ug/L
Q3095-03	MW201D-20250908	Water	1,1,2-Trichlorotrifluoroethane	2.50		0.25	0.50	1.00	ug/L
Q3095-03	MW201D-20250908	Water	1,1-Dichloroethene	45.2		0.23	0.75	1.00	ug/L
Q3095-03	MW201D-20250908	Water	Methyl tert-butyl Ether	0.84	J	0.16	0.50	1.00	ug/L
Q3095-03	MW201D-20250908	Water	1,1-Dichloroethane	4.50		0.23	0.50	1.00	ug/L
Q3095-03	MW201D-20250908	Water	cis-1,2-Dichloroethene	2.10		0.19	0.75	1.00	ug/L
Q3095-03	MW201D-20250908	Water	Chloroform	7.60		0.25	0.50	1.00	ug/L
Q3095-03	MW201D-20250908	Water	1,1,1-Trichloroethane	4.30		0.20	0.50	1.00	ug/L
Q3095-03	MW201D-20250908	Water	Trichloroethene	83.3		0.090	0.75	1.00	ug/L
Q3095-03	MW201D-20250908	Water	1,1,2-Trichloroethane	0.39	J	0.21	0.50	1.00	ug/L
Q3095-03	MW201D-20250908	Water	Tetrachloroethene	86.5		0.23	0.50	1.00	ug/L
			Total Voc :			388			
			Total Concentration:			388			
Client ID:	MW179D1-20250908								
Q3095-04	MW179D1-20250908	Water	1,1-Dichloroethene	0.64	J	0.23	0.75	1.00	ug/L
Q3095-04	MW179D1-20250908	Water	Methyl tert-butyl Ether	0.75	J	0.16	0.50	1.00	ug/L
Q3095-04	MW179D1-20250908	Water	cis-1,2-Dichloroethene	13.5		0.19	0.75	1.00	ug/L
Q3095-04	MW179D1-20250908	Water	Trichloroethene	120		0.090	0.75	1.00	ug/L
Q3095-04	MW179D1-20250908	Water	Tetrachloroethene	13.0		0.23	0.50	1.00	ug/L
			Total Voc :			148			
			Total Concentration:			148			
Client ID:	MW203D2-20250909								

A
B
C
D
E
F
G

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3095-05	MW203D2-2025090	Water	1,1-Dichloroethene	1.20		0.23	0.75	1.00	ug/L
Q3095-05	MW203D2-2025090	Water	1,1-Dichloroethane	5.80		0.23	0.50	1.00	ug/L
Q3095-05	MW203D2-2025090	Water	cis-1,2-Dichloroethene	2.00		0.19	0.75	1.00	ug/L
Q3095-05	MW203D2-2025090	Water	Chloroform	0.46	J	0.25	0.50	1.00	ug/L
Q3095-05	MW203D2-2025090	Water	Trichloroethene	1.90		0.090	0.75	1.00	ug/L
Q3095-05	MW203D2-2025090	Water	Tetrachloroethene	0.78	J	0.23	0.50	1.00	ug/L
Total Voc :				12.1					
Total Concentration:				12.1					
Client ID:	MW203D1-20250909								
Q3095-08	MW203D1-2025090	Water	1,1-Dichloroethene	5.90		0.23	0.75	1.00	ug/L
Q3095-08	MW203D1-2025090	Water	Methyl tert-butyl Ether	0.92	J	0.16	0.50	1.00	ug/L
Q3095-08	MW203D1-2025090	Water	1,1-Dichloroethane	12.2		0.23	0.50	1.00	ug/L
Q3095-08	MW203D1-2025090	Water	Chloroform	0.85	J	0.25	0.50	1.00	ug/L
Q3095-08	MW203D1-2025090	Water	1,1,1-Trichloroethane	2.00		0.20	0.50	1.00	ug/L
Q3095-08	MW203D1-2025090	Water	Trichloroethene	4.60		0.090	0.75	1.00	ug/L
Q3095-08	MW203D1-2025090	Water	Tetrachloroethene	1.90		0.23	0.50	1.00	ug/L
Total Voc :				28.4					
Total Concentration:				28.4					
Client ID:	MW179D2-20250909								
Q3095-09	MW179D2-2025090	Water	1,1-Dichloroethene	1.30		0.23	0.75	1.00	ug/L
Q3095-09	MW179D2-2025090	Water	1,1-Dichloroethane	0.68	J	0.23	0.50	1.00	ug/L
Q3095-09	MW179D2-2025090	Water	Trichloroethene	7.30		0.090	0.75	1.00	ug/L
Q3095-09	MW179D2-2025090	Water	Tetrachloroethene	1.70		0.23	0.50	1.00	ug/L
Total Voc :				11.0					
Total Concentration:				11.0					
Client ID:	MW201D1-20250909								
Q3095-10	MW201D1-2025090	Water	Trichloroethene	0.59	J	0.090	0.75	1.00	ug/L
Q3095-10	MW201D1-2025090	Water	Tetrachloroethene	0.50	J	0.23	0.50	1.00	ug/L
Total Voc :				1.09					
Total Concentration:				1.09					
Client ID:	RE122D1-20250909								
Q3095-11	RE122D1-2025090	Water	1,1,2-Trichlorotrifluoroethane	1.50		0.25	0.50	1.00	ug/L
Q3095-11	RE122D1-2025090	Water	1,1-Dichloroethene	0.29	J	0.23	0.75	1.00	ug/L
Q3095-11	RE122D1-2025090	Water	trans-1,2-Dichloroethene	0.39	J	0.23	0.50	1.00	ug/L
Q3095-11	RE122D1-2025090	Water	cis-1,2-Dichloroethene	1.60		0.19	0.75	1.00	ug/L
Q3095-11	RE122D1-2025090	Water	Trichloroethene	250	E	0.090	0.75	1.00	ug/L
Q3095-11	RE122D1-2025090	Water	Tetrachloroethene	1.80		0.23	0.50	1.00	ug/L
Total Voc :				256					
Total Concentration:				256					

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: RE122D1-20250909DL									
Q3095-11DL	RE122D1-20250909	Water	1,1,2-Trichlorotrifluoroethane	1.80	JD	1.30	2.50	5.00	ug/L
Q3095-11DL	RE122D1-20250909	Water	Trichloroethene	270	D	0.47	3.80	5.00	ug/L
Q3095-11DL	RE122D1-20250909	Water	Tetrachloroethene	2.20	JD	1.20	2.50	5.00	ug/L
Total Voc :				274					
Total Concentration:				274					
Client ID: MW202D-20250909									
Q3095-12	MW202D-20250909	Water	cis-1,2-Dichloroethene	0.56	J	0.19	0.75	1.00	ug/L
Q3095-12	MW202D-20250909	Water	Trichloroethene	4.60		0.090	0.75	1.00	ug/L
Q3095-12	MW202D-20250909	Water	Tetrachloroethene	2.20		0.23	0.50	1.00	ug/L
Total Voc :				7.36					
Total Concentration:				7.36					
Client ID: MW178I1-20250909									
Q3095-13	MW178I1-20250909	Water	1,1-Dichloroethene	1.60		0.23	0.75	1.00	ug/L
Q3095-13	MW178I1-20250909	Water	Acetone	4.00	J	1.50	3.80	5.00	ug/L
Q3095-13	MW178I1-20250909	Water	Methyl tert-butyl Ether	0.39	J	0.16	0.50	1.00	ug/L
Q3095-13	MW178I1-20250909	Water	trans-1,2-Dichloroethene	0.40	J	0.23	0.50	1.00	ug/L
Q3095-13	MW178I1-20250909	Water	1,1-Dichloroethane	0.92	J	0.23	0.50	1.00	ug/L
Q3095-13	MW178I1-20250909	Water	cis-1,2-Dichloroethene	27.0		0.19	0.75	1.00	ug/L
Q3095-13	MW178I1-20250909	Water	Trichloroethene	370	E	0.090	0.75	1.00	ug/L
Q3095-13	MW178I1-20250909	Water	1,2-Dichloropropane	19.4		0.20	0.50	1.00	ug/L
Q3095-13	MW178I1-20250909	Water	1,1,2-Trichloroethane	0.32	J	0.21	0.50	1.00	ug/L
Q3095-13	MW178I1-20250909	Water	Tetrachloroethene	30.7		0.23	0.50	1.00	ug/L
Total Voc :				455					
Total Concentration:				455					
Client ID: MW178I1-20250909DL									
Q3095-13DL	MW178I1-20250909	Water	cis-1,2-Dichloroethene	24.1	D	1.90	7.50	10.0	ug/L
Q3095-13DL	MW178I1-20250909	Water	Trichloroethene	370	D	0.93	7.50	10.0	ug/L
Q3095-13DL	MW178I1-20250909	Water	1,2-Dichloropropane	19.0	D	2.00	5.00	10.0	ug/L
Q3095-13DL	MW178I1-20250909	Water	Tetrachloroethene	30.3	D	2.30	5.00	10.0	ug/L
Total Voc :				443					
Total Concentration:				443					
Client ID: RE123D1-20250909									
Q3095-14	RE123D1-20250909	Water	Trichloroethene	13.1		0.090	0.75	1.00	ug/L
Total Voc :				13.1					
Total Concentration:				13.1					
Client ID: RE123D3-20250909									
Q3095-15	RE123D3-20250909	Water	Trichloroethene	0.23	J	0.090	0.75	1.00	ug/L
Total Voc :				0.23					

Hit Summary Sheet SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:				0.23					
Client ID:	MW305D-20250909								
Q3095-16	MW305D-20250909	Water	Trichlorofluoromethane	0.33	J	0.33	0.50	1.00	ug/L
Q3095-16	MW305D-20250909	Water	1,1,2-Trichlorotrifluoroethane	0.54	J	0.25	0.50	1.00	ug/L
Q3095-16	MW305D-20250909	Water	1,1-Dichloroethene	1.10		0.23	0.75	1.00	ug/L
Q3095-16	MW305D-20250909	Water	Methyl tert-butyl Ether	0.67	J	0.16	0.50	1.00	ug/L
Q3095-16	MW305D-20250909	Water	trans-1,2-Dichloroethene	0.40	J	0.23	0.50	1.00	ug/L
Q3095-16	MW305D-20250909	Water	1,1-Dichloroethane	0.53	J	0.23	0.50	1.00	ug/L
Q3095-16	MW305D-20250909	Water	cis-1,2-Dichloroethene	1.50		0.19	0.75	1.00	ug/L
Q3095-16	MW305D-20250909	Water	Trichloroethene	1100	E	0.090	0.75	1.00	ug/L
Q3095-16	MW305D-20250909	Water	Tetrachloroethene	1.70		0.23	0.50	1.00	ug/L
Total Voc :				1110					
Total Concentration:				1110					
Client ID:	MW305D-20250909DL								
Q3095-16DL	MW305D-20250909	Water	Trichloroethene	1000	D	1.90	15.0	20.0	ug/L
Total Voc :				1000					
Total Concentration:				1000					
Client ID:	DUP01-20250909								
Q3095-17	DUP01-20250909	Water	1,1,2-Trichlorotrifluoroethane	0.49	J	0.25	0.50	1.00	ug/L
Q3095-17	DUP01-20250909	Water	1,1-Dichloroethene	0.73	J	0.23	0.75	1.00	ug/L
Q3095-17	DUP01-20250909	Water	Methyl tert-butyl Ether	0.66	J	0.16	0.50	1.00	ug/L
Q3095-17	DUP01-20250909	Water	trans-1,2-Dichloroethene	0.31	J	0.23	0.50	1.00	ug/L
Q3095-17	DUP01-20250909	Water	1,1-Dichloroethane	0.49	J	0.23	0.50	1.00	ug/L
Q3095-17	DUP01-20250909	Water	cis-1,2-Dichloroethene	1.20		0.19	0.75	1.00	ug/L
Q3095-17	DUP01-20250909	Water	Trichloroethene	1000	E	0.090	0.75	1.00	ug/L
Q3095-17	DUP01-20250909	Water	Tetrachloroethene	1.60		0.23	0.50	1.00	ug/L
Total Voc :				1010					
Total Concentration:				1010					
Client ID:	DUP01-20250909DL								
Q3095-17DL	DUP01-20250909	D Water	Trichloroethene	1000	D	1.90	15.0	20.0	ug/L
Total Voc :				1000					
Total Concentration:				1000					
Client ID:	RE126D2-20250909								
Q3095-18	RE126D2-20250909	Water	1,1,2-Trichlorotrifluoroethane	0.48	J	0.25	0.50	1.00	ug/L
Q3095-18	RE126D2-20250909	Water	1,1-Dichloroethene	0.81	J	0.23	0.75	1.00	ug/L
Q3095-18	RE126D2-20250909	Water	1,1-Dichloroethane	0.79	J	0.23	0.50	1.00	ug/L
Q3095-18	RE126D2-20250909	Water	cis-1,2-Dichloroethene	0.48	J	0.19	0.75	1.00	ug/L
Q3095-18	RE126D2-20250909	Water	Chloroform	0.34	J	0.25	0.50	1.00	ug/L
Q3095-18	RE126D2-20250909	Water	Trichloroethene	380	E	0.090	0.75	1.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3095-18	RE126D2-20250909	Water	Tetrachloroethene	0.78	J	0.23	0.50	1.00	ug/L
			Total Voc :	384					
			Total Concentration:	384					
Client ID: Q3095-18DL	RE126D2-20250909DL								
Q3095-18DL	RE126D2-20250909	Water	Trichloroethene	380	D	0.47	3.80	5.00	ug/L
			Total Voc :	380					
			Total Concentration:	380					
Client ID: Q3095-19	RE126D3-20250909								
Q3095-19	RE126D3-20250909	Water	Trichloroethene	3.10		0.090	0.75	1.00	ug/L
Q3095-19	RE126D3-20250909	Water	Tetrachloroethene	2.50		0.23	0.50	1.00	ug/L
			Total Voc :	5.60					
			Total Concentration:	5.60					
Client ID: Q3095-20	MW178S-20250910								
Q3095-20	MW178S-20250910	Water	Acetone	2.50	J	1.50	3.80	5.00	ug/L
Q3095-20	MW178S-20250910	Water	Methyl tert-butyl Ether	1.50		0.16	0.50	1.00	ug/L
Q3095-20	MW178S-20250910	Water	Tetrachloroethene	0.26	J	0.23	0.50	1.00	ug/L
			Total Voc :	4.26					
			Total Concentration:	4.26					
Client ID: Q3095-21	RE126D1-20250910								
Q3095-21	RE126D1-20250910	Water	Trichloroethene	12.9		0.090	0.75	1.00	ug/L
Q3095-21	RE126D1-20250910	Water	Tetrachloroethene	1.10		0.23	0.50	1.00	ug/L
			Total Voc :	14.0					
			Total Concentration:	14.0					
Client ID: Q3095-22	MW202D1-20250910								
Q3095-22	MW202D1-20250910	Water	Acetone	6.50		1.50	3.80	5.00	ug/L
Q3095-22	MW202D1-20250910	Water	2-Butanone	7.80		0.98	2.50	5.00	ug/L
Q3095-22	MW202D1-20250910	Water	Trichloroethene	0.50	J	0.090	0.75	1.00	ug/L
			Total Voc :	14.8					
			Total Concentration:	14.8					
Client ID: Q3095-23	RE104D2-20250910								
Q3095-23	RE104D2-20250910	Water	1,1-Dichloroethene	0.78	J	0.23	0.75	1.00	ug/L
Q3095-23	RE104D2-20250910	Water	trans-1,2-Dichloroethene	0.73	J	0.23	0.50	1.00	ug/L
Q3095-23	RE104D2-20250910	Water	1,1-Dichloroethane	1.00		0.23	0.50	1.00	ug/L
Q3095-23	RE104D2-20250910	Water	cis-1,2-Dichloroethene	26.6		0.19	0.75	1.00	ug/L
Q3095-23	RE104D2-20250910	Water	Chloroform	1.20		0.25	0.50	1.00	ug/L
Q3095-23	RE104D2-20250910	Water	1,2-Dichloroethane	1.10		0.22	0.50	1.00	ug/L
Q3095-23	RE104D2-20250910	Water	Trichloroethene	280	E	0.090	0.75	1.00	ug/L
Q3095-23	RE104D2-20250910	Water	1,2-Dichloropropane	0.30	J	0.20	0.50	1.00	ug/L
Q3095-23	RE104D2-20250910	Water	1,1,2-Trichloroethane	0.27	J	0.21	0.50	1.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3095-23	RE104D2-20250910	Water	Tetrachloroethene	0.39	J	0.23	0.50	1.00	ug/L
			Total Voc :	312					
			Total Concentration:	312					
Client ID:	RE104D2-20250910DL								
Q3095-23DL	RE104D2-20250910	Water	cis-1,2-Dichloroethene	24.9	D	0.95	3.80	5.00	ug/L
Q3095-23DL	RE104D2-20250910	Water	Trichloroethene	290	D	0.47	3.80	5.00	ug/L
			Total Voc :	315					
			Total Concentration:	315					
Client ID:	MW178I-20250910								
Q3095-24	MW178I-20250910	Water	Acetone	2.50	J	1.50	3.80	5.00	ug/L
Q3095-24	MW178I-20250910	Water	Methyl tert-butyl Ether	0.69	J	0.16	0.50	1.00	ug/L
Q3095-24	MW178I-20250910	Water	Chloroform	0.37	J	0.25	0.50	1.00	ug/L
Q3095-24	MW178I-20250910	Water	Trichloroethene	0.90	J	0.090	0.75	1.00	ug/L
Q3095-24	MW178I-20250910	Water	Tetrachloroethene	0.43	J	0.23	0.50	1.00	ug/L
			Total Voc :	4.89					
			Total Concentration:	4.89					
Client ID:	DUP02-20250910								
Q3095-25	DUP02-20250910	Water	1,1,2-Trichlorotrifluoroethane	8.10		0.25	0.50	1.00	ug/L
Q3095-25	DUP02-20250910	Water	1,1-Dichloroethene	2.00		0.23	0.75	1.00	ug/L
Q3095-25	DUP02-20250910	Water	Carbon Tetrachloride	1.30		0.25	0.50	1.00	ug/L
Q3095-25	DUP02-20250910	Water	cis-1,2-Dichloroethene	1.80		0.19	0.75	1.00	ug/L
Q3095-25	DUP02-20250910	Water	Chloroform	0.81	J	0.25	0.50	1.00	ug/L
Q3095-25	DUP02-20250910	Water	Trichloroethene	2900	E	0.090	0.75	1.00	ug/L
Q3095-25	DUP02-20250910	Water	1,1,2-Trichloroethane	0.96	J	0.21	0.50	1.00	ug/L
Q3095-25	DUP02-20250910	Water	Tetrachloroethene	3.70		0.23	0.50	1.00	ug/L
			Total Voc :	2920					
			Total Concentration:	2920					
Client ID:	DUP02-20250910DL								
Q3095-25DL	DUP02-20250910D	Water	Trichloroethene	2900	D	4.70	37.5	50.0	ug/L
			Total Voc :	2900					
			Total Concentration:	2900					
Client ID:	DUP03-20250910								
Q3095-26	DUP03-20250910	Water	Acetone	19.1		1.50	3.80	5.00	ug/L
Q3095-26	DUP03-20250910	Water	Methyl tert-butyl Ether	1.50		0.16	0.50	1.00	ug/L
Q3095-26	DUP03-20250910	Water	2-Butanone	26.0		0.98	2.50	5.00	ug/L
Q3095-26	DUP03-20250910	Water	Trichloroethene	0.74	J	0.090	0.75	1.00	ug/L
Q3095-26	DUP03-20250910	Water	Tetrachloroethene	0.65	J	0.23	0.50	1.00	ug/L
			Total Voc :	48.0					
			Total Concentration:	48.0					

Hit Summary Sheet SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	RE117D1-20250910								
Q3095-27	RE117D1-20250910	Water	1,1,2-Trichlorotrifluoroethane	1.90		0.25	0.50	1.00	ug/L
Q3095-27	RE117D1-20250910	Water	1,1-Dichloroethene	1.80		0.23	0.75	1.00	ug/L
Q3095-27	RE117D1-20250910	Water	Acetone	3.20	J	1.50	3.80	5.00	ug/L
Q3095-27	RE117D1-20250910	Water	Carbon Tetrachloride	1.30		0.25	0.50	1.00	ug/L
Q3095-27	RE117D1-20250910	Water	cis-1,2-Dichloroethene	1.10		0.19	0.75	1.00	ug/L
Q3095-27	RE117D1-20250910	Water	Chloroform	0.43	J	0.25	0.50	1.00	ug/L
Q3095-27	RE117D1-20250910	Water	Trichloroethene	120		0.090	0.75	1.00	ug/L
Q3095-27	RE117D1-20250910	Water	1,1,2-Trichloroethane	0.61	J	0.21	0.50	1.00	ug/L
			Total Voc :	130					
			Total Concentration:	130					
Client ID:	RE104D3-20250910								
Q3095-28	RE104D3-20250910	Water	Trichloroethene	2.30		0.090	0.75	1.00	ug/L
			Total Voc :	2.30					
			Total Concentration:	2.30					
Client ID:	RE122D2-20250910								
Q3095-29	RE122D2-20250910	Water	1,1,2-Trichlorotrifluoroethane	8.30		0.25	0.50	1.00	ug/L
Q3095-29	RE122D2-20250910	Water	1,1-Dichloroethene	2.10		0.23	0.75	1.00	ug/L
Q3095-29	RE122D2-20250910	Water	Carbon Tetrachloride	1.40		0.25	0.50	1.00	ug/L
Q3095-29	RE122D2-20250910	Water	cis-1,2-Dichloroethene	1.80		0.19	0.75	1.00	ug/L
Q3095-29	RE122D2-20250910	Water	Chloroform	0.81	J	0.25	0.50	1.00	ug/L
Q3095-29	RE122D2-20250910	Water	Trichloroethene	2900	E	0.090	0.75	1.00	ug/L
Q3095-29	RE122D2-20250910	Water	1,1,2-Trichloroethane	0.93	J	0.21	0.50	1.00	ug/L
Q3095-29	RE122D2-20250910	Water	Tetrachloroethene	4.20		0.23	0.50	1.00	ug/L
			Total Voc :	2920					
			Total Concentration:	2920					
Client ID:	RE122D2-20250910DL								
Q3095-29DL	RE122D2-20250910	Water	Trichloroethene	3000	D	4.70	37.5	50.0	ug/L
			Total Voc :	3000					
			Total Concentration:	3000					
Client ID:	RE104D1-20250910								
Q3095-30	RE104D1-20250910	Water	1,1,2-Trichlorotrifluoroethane	0.95	J	0.25	0.50	1.00	ug/L
Q3095-30	RE104D1-20250910	Water	Trichloroethene	44.9		0.090	0.75	1.00	ug/L
Q3095-30	RE104D1-20250910	Water	Tetrachloroethene	2.70		0.23	0.50	1.00	ug/L
			Total Voc :	48.5					
			Total Concentration:	48.5					
Client ID:	TT180D-20250911								
Q3095-31	TT180D-20250911	Water	Acetone	4.50	J	1.50	3.80	5.00	ug/L
Q3095-31	TT180D-20250911	Water	Trichloroethene	2.20		0.090	0.75	1.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: Q3095-32	RE122D3-20250911	Water	Total Voc :	6.70					
			Total Concentration:	6.70					
			Trichloroethene	1.80		0.090	0.75	1.00	ug/L
			Total Voc :	1.80					
Client ID: Q3095-33	TB01-20250911	Water	Total Concentration:	1.80					
			Acetone	1.50	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.50					
			Total Concentration:	1.50					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW305I-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-01		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
VX047607.D	1	09/17/25 11:18	VX091725

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	0.67	J	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.42	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	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	68.9		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:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW305I-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-01		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
VX047607.D	1	09/17/25 11:18	VX091725

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	0.78	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	57.8		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	5.538				
540-36-3	1,4-Difluorobenzene	341000	6.745				
3114-55-4	Chlorobenzene-d5	320000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	165000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW305I-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-01		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
VX047607.D	1	09/17/25 11:18	VX091725

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:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW179D-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047608.D	1	09/17/25 11:39	VX091725

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	1.70		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	28.3		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	88.0		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:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW179D-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047608.D	1	09/17/25 11:39	VX091725

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	9.10		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	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	173000	5.543				
540-36-3	1,4-Difluorobenzene	325000	6.744				
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:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW179D-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047608.D	1	09/17/25 11:39	VX091725

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:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW201D-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047609.D	1	09/17/25 12:00	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.7		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	140		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	45.2		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	0.84	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	4.50		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	2.10		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	7.60		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	4.30		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	83.3		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:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW201D-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047609.D	1	09/17/25 12:00	VX091725

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	0.39	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	86.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.1		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	45.3		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	5.543				
540-36-3	1,4-Difluorobenzene	330000	6.751				
3114-55-4	Chlorobenzene-d5	318000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	153000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW201D-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047609.D	1	09/17/25 12:00	VX091725

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:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW179D1-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-04		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
VX047610.D	1	09/17/25 12:21	VX091725

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	0.64	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.75	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	0.50	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	13.5		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	120		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:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW179D1-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-04		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
VX047610.D	1	09/17/25 12:21	VX091725

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	13.0		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	51.6		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	176000	5.544				
540-36-3	1,4-Difluorobenzene	326000	6.751				
3114-55-4	Chlorobenzene-d5	296000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/08/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW179D1-20250908		SDG No.:	Q3095	
Lab Sample ID:	Q3095-04		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
VX047610.D	1	09/17/25 12:21	VX091725

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D2-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-05		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
VX047626.D	1	09/17/25 17:58	VX091725

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	1.20		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	5.80		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	2.00		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	0.46	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	1.90		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D2-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-05		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
VX047626.D	1	09/17/25 17:58	VX091725

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	0.78	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	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	5.544				
540-36-3	1,4-Difluorobenzene	323000	6.751				
3114-55-4	Chlorobenzene-d5	294000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D2-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-05		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
VX047626.D	1	09/17/25 17:58	VX091725

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-08		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
VX047611.D	1	09/17/25 12:42	VX091725

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	5.90		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	0.92	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	12.2		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	0.85	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00		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	4.60		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	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-08		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
VX047611.D	1	09/17/25 12:42	VX091725

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	1.90		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	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	173000	5.544				
540-36-3	1,4-Difluorobenzene	324000	6.751				
3114-55-4	Chlorobenzene-d5	295000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-08		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
VX047611.D	1	09/17/25 12:42	VX091725

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
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J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW179D2-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-09		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
VX047612.D	1	09/17/25 13:03	VX091725

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	1.30		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	0.68	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	0.50	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	7.30		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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW179D2-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-09		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
VX047612.D	1	09/17/25 13:03	VX091725

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	1.70		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	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	5.544				
540-36-3	1,4-Difluorobenzene	326000	6.751				
3114-55-4	Chlorobenzene-d5	295000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW179D2-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-09		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
VX047612.D	1	09/17/25 13:03	VX091725

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW201D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-10		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
VX047613.D	1	09/17/25 13:24	VX091725

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	0.59	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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW201D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-10		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
VX047613.D	1	09/17/25 13:24	VX091725

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	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	53.7		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	5.543				
540-36-3	1,4-Difluorobenzene	327000	6.75				
3114-55-4	Chlorobenzene-d5	298000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW201D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-10		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
VX047613.D	1	09/17/25 13:24	VX091725

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-11		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
VX047614.D	1	09/17/25 13:45	VX091725

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	1.50		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.29	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.39	J	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	1.60		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	250	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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-11		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
VX047614.D	1	09/17/25 13:45	VX091725

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	1.80		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	48.3		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	182000	5.544				
540-36-3	1,4-Difluorobenzene	337000	6.751				
3114-55-4	Chlorobenzene-d5	299000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-11		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
VX047614.D	1	09/17/25 13:45	VX091725

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
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 E = Value Exceeds Calibration Range
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 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D1-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-11DL		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
VX047636.D	5	09/18/25 13:37	VX091825

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	1.80	JD	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	UDQ	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	270	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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D1-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-11DL		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
VX047636.D	5	09/18/25 13:37	VX091825

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	2.20	JD	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	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	5.538				
540-36-3	1,4-Difluorobenzene	318000	6.745				
3114-55-4	Chlorobenzene-d5	290000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D1-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-11DL		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
VX047636.D	5	09/18/25 13:37	VX091825

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW202D-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-12		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
VX047641.D	1	09/18/25 15:22	VX091825

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	0.56	J	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UQ	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	4.60		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	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW202D-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-12		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
VX047641.D	1	09/18/25 15:22	VX091825

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	2.20		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	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	54.7		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	185000	5.544				
540-36-3	1,4-Difluorobenzene	334000	6.751				
3114-55-4	Chlorobenzene-d5	301000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW202D-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-12		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
VX047641.D	1	09/18/25 15:22	VX091825

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178I1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-13		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
VX047616.D	1	09/17/25 14:27	VX091725

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	1.60		0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.00	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.39	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	0.40	J	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.92	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	27.0		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	370	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178I1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-13		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
VX047616.D	1	09/17/25 14:27	VX091725

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	0.32	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	30.7		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	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.6		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	5.538				
540-36-3	1,4-Difluorobenzene	334000	6.745				
3114-55-4	Chlorobenzene-d5	295000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178I1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-13		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
VX047616.D	1	09/17/25 14:27	VX091725

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178I1-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-13DL		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
VX047638.D	10	09/18/25 14:19	VX091825

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	5.00	UD	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	24.1	D	1.90	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UDQ	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	370	D	0.93	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	19.0	D	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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178I1-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-13DL		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
VX047638.D	10	09/18/25 14:19	VX091825

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	30.3	D	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	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	192000	5.537				
540-36-3	1,4-Difluorobenzene	350000	6.751				
3114-55-4	Chlorobenzene-d5	314000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	151000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178I1-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-13DL		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
VX047638.D	10	09/18/25 14:19	VX091825

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE123D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-14		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
VX047642.D	1	09/18/25 15:43	VX091825

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	UQ	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	13.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE123D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-14		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
VX047642.D	1	09/18/25 15:43	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	187000	5.538				
540-36-3	1,4-Difluorobenzene	347000	6.751				
3114-55-4	Chlorobenzene-d5	315000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE123D1-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-14		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
VX047642.D	1	09/18/25 15:43	VX091825

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE123D3-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-15		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
VX047643.D	1	09/18/25 16:03	VX091825

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	UQ	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	0.23	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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE123D3-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-15		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
VX047643.D	1	09/18/25 16:03	VX091825

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	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	187000	5.544				
540-36-3	1,4-Difluorobenzene	343000	6.751				
3114-55-4	Chlorobenzene-d5	314000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	153000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE123D3-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-15		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
VX047643.D	1	09/18/25 16:03	VX091825

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW305D-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-16		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
VX047619.D	1	09/17/25 15:30	VX091725

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	0.33	J	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.54	J	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	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	0.67	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	0.40	J	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.53	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	1.50		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	1100	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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW305D-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-16		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
VX047619.D	1	09/17/25 15:30	VX091725

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	1.70		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	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	45.3		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	43.0	*	89 - 112		86%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	153000	5.544				
540-36-3	1,4-Difluorobenzene	291000	6.751				
3114-55-4	Chlorobenzene-d5	250000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW305D-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-16		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
VX047619.D	1	09/17/25 15:30	VX091725

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW305D-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-16DL		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
VX047639.D	20	09/18/25 14:40	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	UD	4.40	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	UD	6.40	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	UD	5.20	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	UD	28.8	75.0	100	ug/L
75-00-3	Chloroethane	15.0	UD	9.40	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	6.60	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	15.0	UD	4.60	15.0	20.0	ug/L
67-64-1	Acetone	75.0	UD	30.2	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	UD	4.20	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	UD	5.40	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.60	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	4.60	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	UD	29.0	50.0	100	ug/L
78-93-3	2-Butanone	50.0	UD	19.6	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	UD	3.80	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	UDQ	4.40	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	UD	5.00	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	4.00	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	3.20	10.0	20.0	ug/L
71-43-2	Benzene	10.0	UD	3.00	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	4.40	10.0	20.0	ug/L
79-01-6	Trichloroethene	1000	D	1.90	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	4.00	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	4.40	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	13.6	50.0	100	ug/L
108-88-3	Toluene	10.0	UD	2.80	10.0	20.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW305D-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-16DL		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
VX047639.D	20	09/18/25 14:40	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	UD	3.40	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	3.20	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	UD	17.8	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	UD	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	3.00	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	10.0	UD	4.60	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	2.40	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	2.60	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	4.80	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	UD	2.40	10.0	20.0	ug/L
100-42-5	Styrene	10.0	UD	3.00	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	UD	3.80	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.40	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	5.20	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	3.80	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	UD	10.6	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.00	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	UD	4.00	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.8		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	192000	5.544				
540-36-3	1,4-Difluorobenzene	355000	6.751				
3114-55-4	Chlorobenzene-d5	320000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	157000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW305D-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-16DL		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
VX047639.D	20	09/18/25 14:40	VX091825

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP01-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-17		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
VX047620.D	1	09/17/25 15:51	VX091725

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	0.49	J	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.73	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.66	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	0.31	J	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.49	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	1.20		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	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	1000	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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP01-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-17		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
VX047620.D	1	09/17/25 15:51	VX091725

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	1.60		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	51.8		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	45.3		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177000	5.544				
540-36-3	1,4-Difluorobenzene	329000	6.745				
3114-55-4	Chlorobenzene-d5	286000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	138000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP01-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-17		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
VX047620.D	1	09/17/25 15:51	VX091725

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP01-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-17DL		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
VX047640.D	20	09/18/25 15:01	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	UD	4.40	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	UD	6.40	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	UD	5.20	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	UD	28.8	75.0	100	ug/L
75-00-3	Chloroethane	15.0	UD	9.40	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	6.60	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	15.0	UD	4.60	15.0	20.0	ug/L
67-64-1	Acetone	75.0	UD	30.2	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	UD	4.20	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	UD	5.40	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.60	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	4.60	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	UD	29.0	50.0	100	ug/L
78-93-3	2-Butanone	50.0	UD	19.6	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	UD	3.80	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	UDQ	4.40	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	UD	5.00	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	4.00	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	3.20	10.0	20.0	ug/L
71-43-2	Benzene	10.0	UD	3.00	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	4.40	10.0	20.0	ug/L
79-01-6	Trichloroethene	1000	D	1.90	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	4.00	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	4.40	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	13.6	50.0	100	ug/L
108-88-3	Toluene	10.0	UD	2.80	10.0	20.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP01-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-17DL		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
VX047640.D	20	09/18/25 15:01	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	UD	3.40	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	3.20	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	UD	17.8	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	UD	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	3.00	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	10.0	UD	4.60	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	2.40	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	2.60	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	4.80	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	UD	2.40	10.0	20.0	ug/L
100-42-5	Styrene	10.0	UD	3.00	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	UD	3.80	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.40	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	5.20	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	3.80	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	UD	10.6	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.00	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	UD	4.00	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.9		81 - 118		118%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	56.1		89 - 112		112%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.5	*	85 - 114		115%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	5.544				
540-36-3	1,4-Difluorobenzene	331000	6.751				
3114-55-4	Chlorobenzene-d5	301000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	146000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP01-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-17DL		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
VX047640.D	20	09/18/25 15:01	VX091825

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D2-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-18		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
VX047621.D	1	09/17/25 16:13	VX091725

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	0.48	J	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	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	0.79	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	0.48	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	0.34	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	380	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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D2-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-18		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
VX047621.D	1	09/17/25 16:13	VX091725

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	0.78	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	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	170000	5.537				
540-36-3	1,4-Difluorobenzene	317000	6.751				
3114-55-4	Chlorobenzene-d5	283000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	138000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D2-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-18		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
VX047621.D	1	09/17/25 16:13	VX091725

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D2-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-18DL		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
VX047637.D	5	09/18/25 13:58	VX091825

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	UDQ	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	380	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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D2-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-18DL		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
VX047637.D	5	09/18/25 13:58	VX091825

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	49.9		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	189000	5.538				
540-36-3	1,4-Difluorobenzene	341000	6.751				
3114-55-4	Chlorobenzene-d5	307000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	151000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D2-20250909DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-18DL		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
VX047637.D	5	09/18/25 13:58	VX091825

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D3-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-19		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
VX047644.D	1	09/18/25 16:24	VX091825

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	UQ	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	3.10		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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D3-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-19		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
VX047644.D	1	09/18/25 16:24	VX091825

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	2.50		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	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	53.5		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172000	5.544				
540-36-3	1,4-Difluorobenzene	319000	6.751				
3114-55-4	Chlorobenzene-d5	295000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D3-20250909		SDG No.:	Q3095	
Lab Sample ID:	Q3095-19		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
VX047644.D	1	09/18/25 16:24	VX091825

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178S-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-20		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
VX047645.D	1	09/18/25 16:45	VX091825

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	2.50	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	1.50		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	UQ	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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178S-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-20		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
VX047645.D	1	09/18/25 16:45	VX091825

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	0.26	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	55.7		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	186000	5.544				
540-36-3	1,4-Difluorobenzene	348000	6.751				
3114-55-4	Chlorobenzene-d5	319000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	154000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178S-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-20		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
VX047645.D	1	09/18/25 16:45	VX091825

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-21		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
VX047624.D	1	09/17/25 17:16	VX091725

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	12.9		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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-21		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
VX047624.D	1	09/17/25 17:16	VX091725

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	1.10		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	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	5.543				
540-36-3	1,4-Difluorobenzene	332000	6.751				
3114-55-4	Chlorobenzene-d5	304000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE126D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-21		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
VX047624.D	1	09/17/25 17:16	VX091725

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW202D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-22		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
VX047625.D	1	09/17/25 17:37	VX091725

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	6.50		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	7.80		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	0.50	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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW202D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-22		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
VX047625.D	1	09/17/25 17:37	VX091725

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	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	5.544				
540-36-3	1,4-Difluorobenzene	332000	6.751				
3114-55-4	Chlorobenzene-d5	297000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW202D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-22		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
VX047625.D	1	09/17/25 17:37	VX091725

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D2-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-23		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
VX047648.D	1	09/18/25 17:48	VX091825

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	0.78	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.73	J	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00		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	26.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UQ	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	1.20		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	1.10		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	280	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.30	J	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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D2-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-23		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
VX047648.D	1	09/18/25 17:48	VX091825

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	0.27	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.39	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	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	184000	5.544				
540-36-3	1,4-Difluorobenzene	336000	6.751				
3114-55-4	Chlorobenzene-d5	303000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	146000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D2-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-23		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
VX047648.D	1	09/18/25 17:48	VX091825

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D2-20250910DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-23DL		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
VX047665.D	5	09/19/25 11:26	VX091925

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	24.9	D	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	290	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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D2-20250910DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-23DL		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
VX047665.D	5	09/19/25 11:26	VX091925

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	48.9		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	5.537				
540-36-3	1,4-Difluorobenzene	319000	6.745				
3114-55-4	Chlorobenzene-d5	294000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D2-20250910DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-23DL		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
VX047665.D	5	09/19/25 11:26	VX091925

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178I-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-24		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
VX047668.D	1	09/19/25 12:29	VX091925

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	2.50	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	0.69	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	0.50	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	0.37	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	0.90	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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178I-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-24		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
VX047668.D	1	09/19/25 12:29	VX091925

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	0.43	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	48.1		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181000	5.544				
540-36-3	1,4-Difluorobenzene	339000	6.745				
3114-55-4	Chlorobenzene-d5	308000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW178I-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-24		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
VX047668.D	1	09/19/25 12:29	VX091925

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP02-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-25		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
VX047650.D	1	09/18/25 18:29	VX091825

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	8.10		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.00		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	1.30		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.80		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UQ	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.81	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	2900	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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP02-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-25		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
VX047650.D	1	09/18/25 18:29	VX091825

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	0.96	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	3.70		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	44.7		89 - 112		89%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	5.538				
540-36-3	1,4-Difluorobenzene	312000	6.751				
3114-55-4	Chlorobenzene-d5	254000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	123000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP02-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-25		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
VX047650.D	1	09/18/25 18:29	VX091825

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP02-20250910DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-25DL		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
VX047666.D	50	09/19/25 11:47	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	25.0	UD	11.0	25.0	50.0	ug/L
74-87-3	Chloromethane	25.0	UD	16.0	25.0	50.0	ug/L
75-01-4	Vinyl Chloride	37.5	UD	13.0	37.5	50.0	ug/L
74-83-9	Bromomethane	190	UD	72.0	190	250	ug/L
75-00-3	Chloroethane	37.5	UD	23.5	37.5	50.0	ug/L
75-69-4	Trichlorofluoromethane	25.0	UD	16.5	25.0	50.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	25.0	UD	12.5	25.0	50.0	ug/L
75-35-4	1,1-Dichloroethene	37.5	UD	11.5	37.5	50.0	ug/L
67-64-1	Acetone	190	UD	75.5	190	250	ug/L
75-15-0	Carbon Disulfide	37.5	UD	10.5	37.5	50.0	ug/L
1634-04-4	Methyl tert-butyl Ether	25.0	UD	8.00	25.0	50.0	ug/L
79-20-9	Methyl Acetate	37.5	UD	13.5	37.5	50.0	ug/L
75-09-2	Methylene Chloride	25.0	UD	14.0	25.0	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	25.0	UD	11.5	25.0	50.0	ug/L
75-34-3	1,1-Dichloroethane	25.0	UD	11.5	25.0	50.0	ug/L
110-82-7	Cyclohexane	130	UD	72.5	130	250	ug/L
78-93-3	2-Butanone	130	UD	49.0	130	250	ug/L
56-23-5	Carbon Tetrachloride	25.0	UD	12.5	25.0	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	37.5	UD	9.50	37.5	50.0	ug/L
74-97-5	Bromochloromethane	25.0	UD	11.0	25.0	50.0	ug/L
67-66-3	Chloroform	25.0	UD	12.5	25.0	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	25.0	UD	10.0	25.0	50.0	ug/L
108-87-2	Methylcyclohexane	25.0	UD	8.00	25.0	50.0	ug/L
71-43-2	Benzene	25.0	UD	7.50	25.0	50.0	ug/L
107-06-2	1,2-Dichloroethane	25.0	UD	11.0	25.0	50.0	ug/L
79-01-6	Trichloroethene	2900	D	4.70	37.5	50.0	ug/L
78-87-5	1,2-Dichloropropane	25.0	UD	10.0	25.0	50.0	ug/L
75-27-4	Bromodichloromethane	25.0	UD	11.0	25.0	50.0	ug/L
108-10-1	4-Methyl-2-Pentanone	130	UD	34.0	130	250	ug/L
108-88-3	Toluene	25.0	UD	7.00	25.0	50.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP02-20250910DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-25DL		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
VX047666.D	50	09/19/25 11:47	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	25.0	UD	8.50	25.0	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	25.0	UD	8.00	25.0	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	25.0	UD	10.5	25.0	50.0	ug/L
591-78-6	2-Hexanone	130	UD	44.5	130	250	ug/L
124-48-1	Dibromochloromethane	25.0	UD	9.00	25.0	50.0	ug/L
106-93-4	1,2-Dibromoethane	25.0	UD	7.50	25.0	50.0	ug/L
127-18-4	Tetrachloroethene	25.0	UD	11.5	25.0	50.0	ug/L
108-90-7	Chlorobenzene	25.0	UD	6.00	25.0	50.0	ug/L
100-41-4	Ethyl Benzene	25.0	UD	6.50	25.0	50.0	ug/L
179601-23-1	m/p-Xylenes	50.0	UD	12.0	50.0	100	ug/L
95-47-6	o-Xylene	25.0	UD	6.00	25.0	50.0	ug/L
100-42-5	Styrene	25.0	UD	7.50	25.0	50.0	ug/L
75-25-2	Bromoform	25.0	UD	9.50	25.0	50.0	ug/L
98-82-8	Isopropylbenzene	25.0	UD	6.00	25.0	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	25.0	UD	13.0	25.0	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	25.0	UD	8.00	25.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	25.0	UD	9.50	25.0	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	25.0	UD	8.00	25.0	50.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	37.5	UD	26.5	37.5	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	25.0	UD	10.0	25.0	50.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	37.5	UD	10.0	37.5	50.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	54.3		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	190000	5.544				
540-36-3	1,4-Difluorobenzene	344000	6.751				
3114-55-4	Chlorobenzene-d5	310000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	151000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP02-20250910DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-25DL		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
VX047666.D	50	09/19/25 11:47	VX091925

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP03-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-26		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
VX047670.D	1	09/19/25 13:11	VX091925

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	19.1		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	1.50		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	26.0		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	0.74	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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP03-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-26		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
VX047670.D	1	09/19/25 13:11	VX091925

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	0.65	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.9		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	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	5.537				
540-36-3	1,4-Difluorobenzene	318000	6.751				
3114-55-4	Chlorobenzene-d5	291000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	DUP03-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-26		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
VX047670.D	1	09/19/25 13:11	VX091925

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE117D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-27		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
VX047671.D	1	09/19/25 13:32	VX091925

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	1.90		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.80		0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.20	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	1.30		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.10		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	120		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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE117D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-27		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
VX047671.D	1	09/19/25 13:32	VX091925

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	0.61	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.7		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	53.4		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	5.544				
540-36-3	1,4-Difluorobenzene	310000	6.751				
3114-55-4	Chlorobenzene-d5	283000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	136000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE117D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-27		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
VX047671.D	1	09/19/25 13:32	VX091925

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D3-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-28		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
VX047653.D	1	09/18/25 19:32	VX091825

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	UQ	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	2.30		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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D3-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-28		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
VX047653.D	1	09/18/25 19:32	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.9		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	175000	5.543				
540-36-3	1,4-Difluorobenzene	327000	6.75				
3114-55-4	Chlorobenzene-d5	297000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D3-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-28		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
VX047653.D	1	09/18/25 19:32	VX091825

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D2-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-29		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
VX047654.D	1	09/18/25 19:53	VX091825

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	8.30		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	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	1.40		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.80		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UQ	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.81	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	2900	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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D2-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-29		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
VX047654.D	1	09/18/25 19:53	VX091825

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	0.93	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	4.20		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	58.2		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	5.544				
540-36-3	1,4-Difluorobenzene	304000	6.751				
3114-55-4	Chlorobenzene-d5	246000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D2-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-29		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
VX047654.D	1	09/18/25 19:53	VX091825

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D2-20250910DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-29DL		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
VX047667.D	50	09/19/25 12:08	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	25.0	UD	11.0	25.0	50.0	ug/L
74-87-3	Chloromethane	25.0	UD	16.0	25.0	50.0	ug/L
75-01-4	Vinyl Chloride	37.5	UD	13.0	37.5	50.0	ug/L
74-83-9	Bromomethane	190	UD	72.0	190	250	ug/L
75-00-3	Chloroethane	37.5	UD	23.5	37.5	50.0	ug/L
75-69-4	Trichlorofluoromethane	25.0	UD	16.5	25.0	50.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	25.0	UD	12.5	25.0	50.0	ug/L
75-35-4	1,1-Dichloroethene	37.5	UD	11.5	37.5	50.0	ug/L
67-64-1	Acetone	190	UD	75.5	190	250	ug/L
75-15-0	Carbon Disulfide	37.5	UD	10.5	37.5	50.0	ug/L
1634-04-4	Methyl tert-butyl Ether	25.0	UD	8.00	25.0	50.0	ug/L
79-20-9	Methyl Acetate	37.5	UD	13.5	37.5	50.0	ug/L
75-09-2	Methylene Chloride	25.0	UD	14.0	25.0	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	25.0	UD	11.5	25.0	50.0	ug/L
75-34-3	1,1-Dichloroethane	25.0	UD	11.5	25.0	50.0	ug/L
110-82-7	Cyclohexane	130	UD	72.5	130	250	ug/L
78-93-3	2-Butanone	130	UD	49.0	130	250	ug/L
56-23-5	Carbon Tetrachloride	25.0	UD	12.5	25.0	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	37.5	UD	9.50	37.5	50.0	ug/L
74-97-5	Bromochloromethane	25.0	UD	11.0	25.0	50.0	ug/L
67-66-3	Chloroform	25.0	UD	12.5	25.0	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	25.0	UD	10.0	25.0	50.0	ug/L
108-87-2	Methylcyclohexane	25.0	UD	8.00	25.0	50.0	ug/L
71-43-2	Benzene	25.0	UD	7.50	25.0	50.0	ug/L
107-06-2	1,2-Dichloroethane	25.0	UD	11.0	25.0	50.0	ug/L
79-01-6	Trichloroethene	3000	D	4.70	37.5	50.0	ug/L
78-87-5	1,2-Dichloropropane	25.0	UD	10.0	25.0	50.0	ug/L
75-27-4	Bromodichloromethane	25.0	UD	11.0	25.0	50.0	ug/L
108-10-1	4-Methyl-2-Pentanone	130	UD	34.0	130	250	ug/L
108-88-3	Toluene	25.0	UD	7.00	25.0	50.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D2-20250910DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-29DL		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
VX047667.D	50	09/19/25 12:08	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	25.0	UD	8.50	25.0	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	25.0	UD	8.00	25.0	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	25.0	UD	10.5	25.0	50.0	ug/L
591-78-6	2-Hexanone	130	UD	44.5	130	250	ug/L
124-48-1	Dibromochloromethane	25.0	UD	9.00	25.0	50.0	ug/L
106-93-4	1,2-Dibromoethane	25.0	UD	7.50	25.0	50.0	ug/L
127-18-4	Tetrachloroethene	25.0	UD	11.5	25.0	50.0	ug/L
108-90-7	Chlorobenzene	25.0	UD	6.00	25.0	50.0	ug/L
100-41-4	Ethyl Benzene	25.0	UD	6.50	25.0	50.0	ug/L
179601-23-1	m/p-Xylenes	50.0	UD	12.0	50.0	100	ug/L
95-47-6	o-Xylene	25.0	UD	6.00	25.0	50.0	ug/L
100-42-5	Styrene	25.0	UD	7.50	25.0	50.0	ug/L
75-25-2	Bromoform	25.0	UD	9.50	25.0	50.0	ug/L
98-82-8	Isopropylbenzene	25.0	UD	6.00	25.0	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	25.0	UD	13.0	25.0	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	25.0	UD	8.00	25.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	25.0	UD	9.50	25.0	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	25.0	UD	8.00	25.0	50.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	37.5	UD	26.5	37.5	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	25.0	UD	10.0	25.0	50.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	37.5	UD	10.0	37.5	50.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.1	*	81 - 118		120%	SPK: 50
1868-53-7	Dibromofluoromethane	57.3		80 - 119		115%	SPK: 50
2037-26-5	Toluene-d8	57.3	*	89 - 112		115%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.7	*	85 - 114		117%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	169000	5.544				
540-36-3	1,4-Difluorobenzene	312000	6.751				
3114-55-4	Chlorobenzene-d5	285000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	137000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D2-20250910DL		SDG No.:	Q3095	
Lab Sample ID:	Q3095-29DL		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
VX047667.D	50	09/19/25 12:08	VX091925

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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-30		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
VX047672.D	1	09/19/25 13:52	VX091925

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	0.95	J	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	44.9		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:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-30		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
VX047672.D	1	09/19/25 13:52	VX091925

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	2.70		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	57.5		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	55.6		80 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	55.3		89 - 112		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	173000	5.544				
540-36-3	1,4-Difluorobenzene	322000	6.745				
3114-55-4	Chlorobenzene-d5	292000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE104D1-20250910		SDG No.:	Q3095	
Lab Sample ID:	Q3095-30		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
VX047672.D	1	09/19/25 13:52	VX091925

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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	TT180D-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-31		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
VX047673.D	1	09/19/25 14:13	VX091925

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	4.50	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	2.20		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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	TT180D-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-31		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
VX047673.D	1	09/19/25 14:13	VX091925

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	58.0		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	56.7		80 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	56.1		89 - 112		112%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.6		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	5.544				
540-36-3	1,4-Difluorobenzene	314000	6.751				
3114-55-4	Chlorobenzene-d5	285000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	TT180D-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-31		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
VX047673.D	1	09/19/25 14:13	VX091925

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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D3-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-32		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
VX047674.D	1	09/19/25 14:34	VX091925

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	1.80		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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D3-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-32		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
VX047674.D	1	09/19/25 14:34	VX091925

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	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	189000	5.544				
540-36-3	1,4-Difluorobenzene	342000	6.751				
3114-55-4	Chlorobenzene-d5	316000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	150000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	RE122D3-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-32		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
VX047674.D	1	09/19/25 14:34	VX091925

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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	TB01-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-33		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
VX047646.D	1	09/18/25 17:06	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.50	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UQ	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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	TB01-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-33		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
VX047646.D	1	09/18/25 17:06	VX091825

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	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	176000	5.544				
540-36-3	1,4-Difluorobenzene	324000	6.751				
3114-55-4	Chlorobenzene-d5	294000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	TB01-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-33		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
VX047646.D	1	09/18/25 17:06	VX091825

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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	TB02-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-34		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
VX047647.D	1	09/18/25 17:27	VX091825

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	UQ	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:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	TB02-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-34		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
VX047647.D	1	09/18/25 17:27	VX091825

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	51.4		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172000	5.543				
540-36-3	1,4-Difluorobenzene	318000	6.75				
3114-55-4	Chlorobenzene-d5	289000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	TB02-20250911		SDG No.:	Q3095	
Lab Sample ID:	Q3095-34		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
VX047647.D	1	09/18/25 17:27	VX091825

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.: **Q3095**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3095-01	MW305I-20250908	1,2-Dichloroethane-d4	50	57.8	116		81	118
		Dibromofluoromethane	50	51.3	103		80	119
		Toluene-d8	50	51.3	103		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q3095-02	MW179D-20250908	1,2-Dichloroethane-d4	50	52.4	105		81	118
		Dibromofluoromethane	50	48.5	97		80	119
		Toluene-d8	50	49.3	99		89	112
		4-Bromofluorobenzene	50	50.7	101		85	114
Q3095-03	MW201D-20250908	1,2-Dichloroethane-d4	50	46.1	92		81	118
		Dibromofluoromethane	50	44.9	90		80	119
		Toluene-d8	50	45.3	91		89	112
		4-Bromofluorobenzene	50	50.0	100		85	114
Q3095-04	MW179D1-20250908	1,2-Dichloroethane-d4	50	51.6	103		81	118
		Dibromofluoromethane	50	47.9	96		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	50.0	100		85	114
Q3095-05	MW203D2-20250909	1,2-Dichloroethane-d4	50	55.0	110		81	118
		Dibromofluoromethane	50	51.3	103		80	119
		Toluene-d8	50	50.6	101		89	112
		4-Bromofluorobenzene	50	51.9	104		85	114
Q3095-06MS	MW203D2-20250909MS	1,2-Dichloroethane-d4	50	52.0	104		81	118
		Dibromofluoromethane	50	50.0	100		80	119
		Toluene-d8	50	49.6	99		89	112
		4-Bromofluorobenzene	50	49.6	99		85	114
Q3095-07MSD	MW203D2-20250909MSD	1,2-Dichloroethane-d4	50	54.0	108		81	118
		Dibromofluoromethane	50	51.4	103		80	119
		Toluene-d8	50	51.5	103		89	112
		4-Bromofluorobenzene	50	52.3	105		85	114
Q3095-08	MW203D1-20250909	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	51.4	103		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114
Q3095-09	MW179D2-20250909	1,2-Dichloroethane-d4	50	54.1	108		81	118
		Dibromofluoromethane	50	51.9	104		80	119
		Toluene-d8	50	52.1	104		89	112
		4-Bromofluorobenzene	50	54.6	109		85	114
Q3095-10	MW201D1-20250909	1,2-Dichloroethane-d4	50	53.7	107		81	118
		Dibromofluoromethane	50	51.1	102		80	119
		Toluene-d8	50	51.8	104		89	112
		4-Bromofluorobenzene	50	52.7	105		85	114
Q3095-11	RE122D1-20250909	1,2-Dichloroethane-d4	50	51.9	104		81	118
		Dibromofluoromethane	50	48.3	97		80	119
		Toluene-d8	50	48.3	96		89	112
		4-Bromofluorobenzene	50	48.8	98		85	114
Q3095-11DL	RE122D1-20250909DL	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	50.2	100		80	119
		Toluene-d8	50	50.6	101		89	112
		4-Bromofluorobenzene	50	51.7	103		85	114
Q3095-12	MW202D-20250909	1,2-Dichloroethane-d4	50	55.0	110		81	118
		Dibromofluoromethane	50	54.7	109		80	119

Surrogate Summary

SDG No.: **Q3095**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3095-12	MW202D-20250909	Toluene-d8	50	54.7	109		89	112
		4-Bromofluorobenzene	50	55.7	111		85	114
Q3095-13	MW178I1-20250909	1,2-Dichloroethane-d4	50	52.4	105		81	118
		Dibromofluoromethane	50	48.7	97		80	119
		Toluene-d8	50	46.6	93		89	112
		4-Bromofluorobenzene	50	48.3	97		85	114
Q3095-13DL	MW178I1-20250909DL	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	50.5	101		80	119
		Toluene-d8	50	51.5	103		89	112
		4-Bromofluorobenzene	50	52.4	105		85	114
Q3095-14	RE123D1-20250909	1,2-Dichloroethane-d4	50	48.3	97		81	118
		Dibromofluoromethane	50	46.0	92		80	119
		Toluene-d8	50	46.2	92		89	112
		4-Bromofluorobenzene	50	47.3	95		85	114
Q3095-15	RE123D3-20250909	1,2-Dichloroethane-d4	50	52.0	104		81	118
		Dibromofluoromethane	50	50.8	102		80	119
		Toluene-d8	50	50.8	102		89	112
		4-Bromofluorobenzene	50	51.3	103		85	114
Q3095-16	MW305D-20250909	1,2-Dichloroethane-d4	50	50.1	100		81	118
		Dibromofluoromethane	50	45.3	91		80	119
		Toluene-d8	50	43.0	86	*	89	112
		4-Bromofluorobenzene	50	45.1	90		85	114
Q3095-16DL	MW305D-20250909DL	1,2-Dichloroethane-d4	50	50.8	102		81	118
		Dibromofluoromethane	50	48.1	96		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	49.0	98		85	114
Q3095-17	DUP01-20250909	1,2-Dichloroethane-d4	50	51.8	104		81	118
		Dibromofluoromethane	50	47.4	95		80	119
		Toluene-d8	50	45.3	91		89	112
		4-Bromofluorobenzene	50	47.4	95		85	114
Q3095-17DL	DUP01-20250909DL	1,2-Dichloroethane-d4	50	58.9	118		81	118
		Dibromofluoromethane	50	55.1	110		80	119
		Toluene-d8	50	56.1	112		89	112
		4-Bromofluorobenzene	50	57.5	115	*	85	114
Q3095-18	RE126D2-20250909	1,2-Dichloroethane-d4	50	53.3	107		81	118
		Dibromofluoromethane	50	50.2	100		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	50.2	100		85	114
Q3095-18DL	RE126D2-20250909DL	1,2-Dichloroethane-d4	50	49.9	100		81	118
		Dibromofluoromethane	50	48.2	96		80	119
		Toluene-d8	50	49.4	99		89	112
		4-Bromofluorobenzene	50	50.1	100		85	114
Q3095-19	RE126D3-20250909	1,2-Dichloroethane-d4	50	55.6	111		81	118
		Dibromofluoromethane	50	52.6	105		80	119
		Toluene-d8	50	53.5	107		89	112
		4-Bromofluorobenzene	50	54.2	108		85	114
Q3095-20	MW178S-20250910	1,2-Dichloroethane-d4	50	55.7	111		81	118
		Dibromofluoromethane	50	51.4	103		80	119
		Toluene-d8	50	52.2	104		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114

Surrogate Summary

SDG No.: **Q3095**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3095-21	RE126D1-20250910	1,2-Dichloroethane-d4	50	51.5	103		81	118
		Dibromofluoromethane	50	48.9	98		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	49.5	99		85	114
Q3095-22	MW202D1-20250910	1,2-Dichloroethane-d4	50	52.2	104		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	49.3	99		89	112
		4-Bromofluorobenzene	50	50.3	101		85	114
Q3095-23	RE104D2-20250910	1,2-Dichloroethane-d4	50	53.1	106		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	51.0	102		89	112
		4-Bromofluorobenzene	50	51.5	103		85	114
Q3095-23DL	RE104D2-20250910DL	1,2-Dichloroethane-d4	50	48.9	98		81	118
		Dibromofluoromethane	50	48.1	96		80	119
		Toluene-d8	50	48.9	98		89	112
		4-Bromofluorobenzene	50	49.9	100		85	114
Q3095-24	MW178I-20250910	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	47.6	95		80	119
		Toluene-d8	50	48.1	96		89	112
		4-Bromofluorobenzene	50	48.7	97		85	114
Q3095-25	DUP02-20250910	1,2-Dichloroethane-d4	50	53.8	107		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	44.7	89		89	112
		4-Bromofluorobenzene	50	46.8	93		85	114
Q3095-25DL	DUP02-20250910DL	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	54.1	108		80	119
		Toluene-d8	50	54.3	109		89	112
		4-Bromofluorobenzene	50	55.2	110		85	114
Q3095-26	DUP03-20250910	1,2-Dichloroethane-d4	50	51.9	104		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	49.9	100		85	114
Q3095-27	RE117D1-20250910	1,2-Dichloroethane-d4	50	56.7	113		81	118
		Dibromofluoromethane	50	53.5	107		80	119
		Toluene-d8	50	53.4	107		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114
Q3095-28	RE104D3-20250910	1,2-Dichloroethane-d4	50	50.9	102		81	118
		Dibromofluoromethane	50	48.2	96		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	48.4	97		85	114
Q3095-29	RE122D2-20250910	1,2-Dichloroethane-d4	50	58.2	116		81	118
		Dibromofluoromethane	50	54.8	110		80	119
		Toluene-d8	50	48.9	98		89	112
		4-Bromofluorobenzene	50	50.7	101		85	114
Q3095-29DL	RE122D2-20250910DL	1,2-Dichloroethane-d4	50	60.1	120	*	81	118
		Dibromofluoromethane	50	57.3	115		80	119
		Toluene-d8	50	57.3	115	*	89	112
		4-Bromofluorobenzene	50	58.7	117	*	85	114
Q3095-30	RE104D1-20250910	1,2-Dichloroethane-d4	50	57.5	115		81	118
		Dibromofluoromethane	50	55.6	111		80	119

Surrogate Summary

SDG No.: **Q3095**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3095-30	RE104D1-20250910	Toluene-d8	50	55.3	111		89	112
		4-Bromofluorobenzene	50	55.6	111		85	114
Q3095-31	TT180D-20250911	1,2-Dichloroethane-d4	50	58.0	116		81	118
		Dibromofluoromethane	50	56.7	113		80	119
		Toluene-d8	50	56.1	112		89	112
		4-Bromofluorobenzene	50	56.6	113		85	114
Q3095-32	RE122D3-20250911	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	50.1	100		80	119
		Toluene-d8	50	49.8	100		89	112
		4-Bromofluorobenzene	50	50.4	101		85	114
Q3095-33	TB01-20250911	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	50.6	101		89	112
		4-Bromofluorobenzene	50	51.3	103		85	114
Q3095-34	TB02-20250911	1,2-Dichloroethane-d4	50	51.4	103		81	118
		Dibromofluoromethane	50	49.5	99		80	119
		Toluene-d8	50	49.3	99		89	112
		4-Bromofluorobenzene	50	49.8	100		85	114
VX0917WBL01	VX0917WBL01	1,2-Dichloroethane-d4	50	50.2	100		81	118
		Dibromofluoromethane	50	47.0	94		80	119
		Toluene-d8	50	47.4	95		89	112
		4-Bromofluorobenzene	50	52.9	106		85	114
VX0917WBS01	VX0917WBS01	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	51.5	103		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
VX0918WBL01	VX0918WBL01	1,2-Dichloroethane-d4	50	52.8	106		81	118
		Dibromofluoromethane	50	49.1	98		80	119
		Toluene-d8	50	49.8	100		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114
VX0918WBS01	VX0918WBS01	1,2-Dichloroethane-d4	50	48.7	97		81	118
		Dibromofluoromethane	50	50.0	100		80	119
		Toluene-d8	50	50.1	100		89	112
		4-Bromofluorobenzene	50	50.2	100		85	114
VX0919WBL01	VX0919WBL01	1,2-Dichloroethane-d4	50	57.8	116		81	118
		Dibromofluoromethane	50	52.5	105		80	119
		Toluene-d8	50	52.3	105		89	112
		4-Bromofluorobenzene	50	56.3	113		85	114
VX0919WBS01	VX0919WBS01	1,2-Dichloroethane-d4	50	53.2	106		81	118
		Dibromofluoromethane	50	54.2	108		80	119
		Toluene-d8	50	55.4	111		89	112
		4-Bromofluorobenzene	50	55.0	110		85	114

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3095

Analytical Method:

SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile :

VX047627.D

		Sample			Rec	RPD		Limits			
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3095-06MS	Client Sample ID :	MW203D2-20250909MS								
Dichlorodifluoromethane	50	0	44.7	ug/L	89				32	152	
Chloromethane	50	0	48.5	ug/L	97				50	139	
Vinyl chloride	50	0	49.5	ug/L	99				58	137	
Bromomethane	50	0	51.0	ug/L	102				53	141	
Chloroethane	50	0	50.4	ug/L	101				60	138	
Trichlorofluoromethane	50	0	47.9	ug/L	96				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	48.2	ug/L	96				70	136	
1,1-Dichloroethene	50	1.20	51.2	ug/L	100				71	131	
Acetone	250	0	240	ug/L	96				39	160	
Carbon disulfide	50	0	46.5	ug/L	93				64	133	
Methyl tert-butyl Ether	50	0	55.4	ug/L	111				71	124	
Methyl Acetate	50	0	63.6	ug/L	127				56	136	
Methylene Chloride	50	0	52.6	ug/L	105				74	124	
trans-1,2-Dichloroethene	50	0	51.7	ug/L	103				75	124	
1,1-Dichloroethane	50	5.80	59.3	ug/L	107				77	125	
Cyclohexane	50	0	46.8	ug/L	94				71	130	
2-Butanone	250	0	290	ug/L	116				56	143	
Carbon Tetrachloride	50	0	46.9	ug/L	94				72	136	
cis-1,2-Dichloroethene	50	2.00	55.6	ug/L	107				78	123	
Bromochloromethane	50	0	55.1	ug/L	110				78	123	
Chloroform	50	0.46	54.4	ug/L	108				79	124	
1,1,1-Trichloroethane	50	0	52.0	ug/L	104				74	131	
Methylcyclohexane	50	0	44.6	ug/L	89				72	132	
Benzene	50	0	50.3	ug/L	101				79	120	
1,2-Dichloroethane	50	0	51.4	ug/L	103				73	128	
Trichloroethene	50	1.90	51.9	ug/L	100				79	123	
1,2-Dichloropropane	50	0	51.9	ug/L	104				78	122	
Bromodichloromethane	50	0	51.7	ug/L	103				79	125	
4-Methyl-2-Pentanone	250	0	300	ug/L	120				67	130	
Toluene	50	0	50.4	ug/L	101				80	121	
t-1,3-Dichloropropene	50	0	50.4	ug/L	101				73	127	
cis-1,3-Dichloropropene	50	0	50.1	ug/L	100				75	124	
1,1,2-Trichloroethane	50	0	53.2	ug/L	106				80	119	
2-Hexanone	250	0	290	ug/L	116				57	139	
Dibromochloromethane	50	0	53.2	ug/L	106				74	126	
1,2-Dibromoethane	50	0	54.5	ug/L	109				77	121	
Tetrachloroethene	50	0.78	47.5	ug/L	93				74	129	
Chlorobenzene	50	0	50.8	ug/L	102				82	118	
Ethyl Benzene	50	0	50.4	ug/L	101				79	121	
m/p-Xylenes	100	0	100	ug/L	100				80	121	
o-Xylene	50	0	51.7	ug/L	103				78	122	
Styrene	50	0	51.7	ug/L	103				78	123	
Bromoform	50	0	54.4	ug/L	109				66	130	
Isopropylbenzene	50	0	50.1	ug/L	100				72	131	
1,1,2,2-Tetrachloroethane	50	0	56.3	ug/L	113				71	121	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3095

Analytical Method: SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile : VX047627.D

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	50.7	ug/L	101					80	119
1,4-Dichlorobenzene	50	0	49.6	ug/L	99					79	118
1,2-Dichlorobenzene	50	0	51.2	ug/L	102					80	119
1,2-Dibromo-3-Chloropropane	50	0	56.7	ug/L	113					62	128
1,2,4-Trichlorobenzene	50	0	50.1	ug/L	100					69	130
1,2,3-Trichlorobenzene	50	0	50.8	ug/L	102					69	129

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3095

Analytical Method: SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile : VX047628.D

		Sample				Rec	RPD	Limits			
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3095-07MSD	Client Sample ID :	MW203D2-20250909MSD								
Dichlorodifluoromethane	50	0	41.1	ug/L	82		8		32	152	20
Chloromethane	50	0	44.0	ug/L	88		10		50	139	20
Vinyl chloride	50	0	45.9	ug/L	92		8		58	137	20
Bromomethane	50	0	48.6	ug/L	97		5		53	141	20
Chloroethane	50	0	45.7	ug/L	91		10		60	138	20
Trichlorofluoromethane	50	0	44.6	ug/L	89		7		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	44.7	ug/L	89		8		70	136	20
1,1-Dichloroethene	50	1.20	47.6	ug/L	93		7		71	131	20
Acetone	250	0	220	ug/L	88		9		39	160	20
Carbon disulfide	50	0	43.1	ug/L	86		8		64	133	20
Methyl tert-butyl Ether	50	0	52.3	ug/L	105		6		71	124	20
Methyl Acetate	50	0	59.0	ug/L	118		8		56	136	20
Methylene Chloride	50	0	48.5	ug/L	97		8		74	124	20
trans-1,2-Dichloroethene	50	0	48.4	ug/L	97		7		75	124	20
1,1-Dichloroethane	50	5.80	55.6	ug/L	100		7		77	125	20
Cyclohexane	50	0	44.2	ug/L	88		6		71	130	20
2-Butanone	250	0	270	ug/L	108		7		56	143	20
Carbon Tetrachloride	50	0	44.0	ug/L	88		6		72	136	20
cis-1,2-Dichloroethene	50	2.00	53.0	ug/L	102		5		78	123	20
Bromochloromethane	50	0	56.1	ug/L	112		2		78	123	20
Chloroform	50	0.46	51.5	ug/L	102		6		79	124	20
1,1,1-Trichloroethane	50	0	49.9	ug/L	100		4		74	131	20
Methylcyclohexane	50	0	42.4	ug/L	85		5		72	132	20
Benzene	50	0	47.9	ug/L	96		5		79	120	20
1,2-Dichloroethane	50	0	48.4	ug/L	97		6		73	128	20
Trichloroethene	50	1.90	49.4	ug/L	95		5		79	123	20
1,2-Dichloropropane	50	0	49.2	ug/L	98		5		78	122	20
Bromodichloromethane	50	0	48.7	ug/L	97		6		79	125	20
4-Methyl-2-Pentanone	250	0	280	ug/L	112		7		67	130	20
Toluene	50	0	47.9	ug/L	96		5		80	121	20
t-1,3-Dichloropropene	50	0	48.3	ug/L	97		4		73	127	20
cis-1,3-Dichloropropene	50	0	48.0	ug/L	96		4		75	124	20
1,1,2-Trichloroethane	50	0	50.7	ug/L	101		5		80	119	20
2-Hexanone	250	0	280	ug/L	112		4		57	139	20
Dibromochloromethane	50	0	51.1	ug/L	102		4		74	126	20
1,2-Dibromoethane	50	0	51.7	ug/L	103		5		77	121	20
Tetrachloroethene	50	0.78	46.1	ug/L	91		2		74	129	20
Chlorobenzene	50	0	48.5	ug/L	97		5		82	118	20
Ethyl Benzene	50	0	47.9	ug/L	96		5		79	121	20
m/p-Xylenes	100	0	95.9	ug/L	96		4		80	121	20
o-Xylene	50	0	48.4	ug/L	97		7		78	122	20
Styrene	50	0	49.4	ug/L	99		5		78	123	20
Bromoform	50	0	51.8	ug/L	104		5		66	130	20
Isopropylbenzene	50	0	48.2	ug/L	96		4		72	131	20
1,1,2,2-Tetrachloroethane	50	0	53.8	ug/L	108		5		71	121	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3095

Analytical Method: SW8260-Low

Client: AECOM Technical Services, Inc.

Datafile : VX047628.D

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits	
					Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	48.8	ug/L	98		4		80	119	20
1,4-Dichlorobenzene	50	0	47.6	ug/L	95		4		79	118	20
1,2-Dichlorobenzene	50	0	50.0	ug/L	100		2		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	54.8	ug/L	110		3		62	128	20
1,2,4-Trichlorobenzene	50	0	48.0	ug/L	96		4		69	130	20
1,2,3-Trichlorobenzene	50	0	49.6	ug/L	99		2		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3095</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047604.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0917WBS01	Dichlorodifluoromethane	20	15.9	ug/L	79			32	152	
	Chloromethane	20	16.0	ug/L	80			50	139	
	Vinyl chloride	20	16.9	ug/L	85			58	137	
	Bromomethane	20	18.1	ug/L	91			53	141	
	Chloroethane	20	17.2	ug/L	86			60	138	
	Trichlorofluoromethane	20	17.1	ug/L	86			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88			70	136	
	1,1-Dichloroethene	20	17.1	ug/L	86			71	131	
	Acetone	100	73.8	ug/L	74			39	160	
	Carbon disulfide	20	16.0	ug/L	80			64	133	
	Methyl tert-butyl Ether	20	17.5	ug/L	88			71	124	
	Methyl Acetate	20	19.2	ug/L	96			56	136	
	Methylene Chloride	20	16.9	ug/L	85			74	124	
	trans-1,2-Dichloroethene	20	17.0	ug/L	85			75	124	
	1,1-Dichloroethane	20	17.6	ug/L	88			77	125	
	Cyclohexane	20	17.4	ug/L	87			71	130	
	2-Butanone	100	84.0	ug/L	84			56	143	
	Carbon Tetrachloride	20	17.0	ug/L	85			72	136	
	cis-1,2-Dichloroethene	20	17.6	ug/L	88			78	123	
	Bromochloromethane	20	21.6	ug/L	108			78	123	
	Chloroform	20	18.0	ug/L	90			79	124	
	1,1,1-Trichloroethane	20	17.9	ug/L	90			74	131	
	Methylcyclohexane	20	17.2	ug/L	86			72	132	
	Benzene	20	17.3	ug/L	86			79	120	
	1,2-Dichloroethane	20	17.5	ug/L	88			73	128	
	Trichloroethene	20	17.3	ug/L	86			79	123	
	1,2-Dichloropropane	20	17.5	ug/L	88			78	122	
	Bromodichloromethane	20	17.5	ug/L	88			79	125	
	4-Methyl-2-Pentanone	100	88.0	ug/L	88			67	130	
	Toluene	20	17.5	ug/L	88			80	121	
	t-1,3-Dichloropropene	20	17.3	ug/L	86			73	127	
	cis-1,3-Dichloropropene	20	17.7	ug/L	89			75	124	
	1,1,2-Trichloroethane	20	17.4	ug/L	87			80	119	
	2-Hexanone	100	85.8	ug/L	86			57	139	
	Dibromochloromethane	20	17.4	ug/L	87			74	126	
	1,2-Dibromoethane	20	17.7	ug/L	89			77	121	
	Tetrachloroethene	20	17.1	ug/L	86			74	129	
	Chlorobenzene	20	17.5	ug/L	88			82	118	
	Ethyl Benzene	20	17.7	ug/L	89			79	121	
	m/p-Xylenes	40	35.8	ug/L	90			80	121	
	o-Xylene	20	18.0	ug/L	90			78	122	
	Styrene	20	17.9	ug/L	90			78	123	
	Bromoform	20	17.6	ug/L	88			66	130	
	Isopropylbenzene	20	17.7	ug/L	89			72	131	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			71	121	
	1,3-Dichlorobenzene	20	17.7	ug/L	89			80	119	
	1,4-Dichlorobenzene	20	17.4	ug/L	87			79	118	
	1,2-Dichlorobenzene	20	17.7	ug/L	89			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3095</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047604.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0917WBS01	1,2-Dibromo-3-Chloropropane	20	16.1	ug/L	81			62	128	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			69	130	
	1,2,3-Trichlorobenzene	20	17.5	ug/L	88			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3095 Analytical Method: SW8260-Low
Client: AECOM Technical Services, Inc. Datafile : VX047634.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0918WBS01	Dichlorodifluoromethane	20	25.4	ug/L	127			32	152	
	Chloromethane	20	23.0	ug/L	115			50	139	
	Vinyl chloride	20	23.3	ug/L	117			58	137	
	Bromomethane	20	23.3	ug/L	117			53	141	
	Chloroethane	20	22.2	ug/L	111			60	138	
	Trichlorofluoromethane	20	21.5	ug/L	108			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/L	106			70	136	
	1,1-Dichloroethene	20	21.3	ug/L	106			71	131	
	Acetone	100	97.3	ug/L	97			39	160	
	Carbon disulfide	20	23.0	ug/L	115			64	133	
	Methyl tert-butyl Ether	20	21.1	ug/L	106			71	124	
	Methyl Acetate	20	21.6	ug/L	108			56	136	
	Methylene Chloride	20	20.9	ug/L	104			74	124	
	trans-1,2-Dichloroethene	20	21.1	ug/L	106			75	124	
	1,1-Dichloroethane	20	21.1	ug/L	106			77	125	
	Cyclohexane	20	22.0	ug/L	110			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	20.2	ug/L	101			72	136	
	cis-1,2-Dichloroethene	20	21.5	ug/L	108			78	123	
	Bromochloromethane	20	26.6	ug/L	133		*	78	123	
	Chloroform	20	21.4	ug/L	107			79	124	
	1,1,1-Trichloroethane	20	21.0	ug/L	105			74	131	
	Methylcyclohexane	20	21.5	ug/L	108			72	132	
	Benzene	20	21.5	ug/L	108			79	120	
	1,2-Dichloroethane	20	20.8	ug/L	104			73	128	
	Trichloroethene	20	21.0	ug/L	105			79	123	
	1,2-Dichloropropane	20	21.2	ug/L	106			78	122	
	Bromodichloromethane	20	20.9	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	120	ug/L	120			67	130	
	Toluene	20	21.3	ug/L	106			80	121	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			73	127	
	cis-1,3-Dichloropropene	20	20.9	ug/L	104			75	124	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.5	ug/L	108			74	126	
	1,2-Dibromoethane	20	22.1	ug/L	111			77	121	
	Tetrachloroethene	20	21.2	ug/L	106			74	129	
	Chlorobenzene	20	21.3	ug/L	106			82	118	
	Ethyl Benzene	20	21.1	ug/L	106			79	121	
	m/p-Xylenes	40	43.0	ug/L	108			80	121	
	o-Xylene	20	21.5	ug/L	108			78	122	
	Styrene	20	21.2	ug/L	106			78	123	
	Bromoform	20	21.3	ug/L	106			66	130	
	Isopropylbenzene	20	20.8	ug/L	104			72	131	
	1,1,2,2-Tetrachloroethane	20	21.6	ug/L	108			71	121	
	1,3-Dichlorobenzene	20	20.5	ug/L	103			80	119	
	1,4-Dichlorobenzene	20	20.5	ug/L	103			79	118	
	1,2-Dichlorobenzene	20	20.9	ug/L	104			80	119	



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3095	Analytical Method:	SW8260-Low
Client:	AECOM Technical Services, Inc.	Datafile :	VX047634.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0918WBS01	1,2-Dibromo-3-Chloropropane	20	21.4	ug/L	107			62	128	
	1,2,4-Trichlorobenzene	20	20.0	ug/L	100			69	130	
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3095</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047663.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0919WBS01	Dichlorodifluoromethane	20	24.4	ug/L	122			32	152	
	Chloromethane	20	21.9	ug/L	110			50	139	
	Vinyl chloride	20	21.8	ug/L	109			58	137	
	Bromomethane	20	23.0	ug/L	115			53	141	
	Chloroethane	20	20.5	ug/L	103			60	138	
	Trichlorofluoromethane	20	20.6	ug/L	103			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/L	106			70	136	
	1,1-Dichloroethene	20	20.6	ug/L	103			71	131	
	Acetone	100	87.3	ug/L	87			39	160	
	Carbon disulfide	20	21.6	ug/L	108			64	133	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			71	124	
	Methyl Acetate	20	19.4	ug/L	97			56	136	
	Methylene Chloride	20	19.5	ug/L	98			74	124	
	trans-1,2-Dichloroethene	20	20.8	ug/L	104			75	124	
	1,1-Dichloroethane	20	20.0	ug/L	100			77	125	
	Cyclohexane	20	20.4	ug/L	102			71	130	
	2-Butanone	100	98.8	ug/L	99			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	20.0	ug/L	100			78	123	
	Bromochloromethane	20	20.9	ug/L	104			78	123	
	Chloroform	20	20.0	ug/L	100			79	124	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			74	131	
	Methylcyclohexane	20	20.5	ug/L	103			72	132	
	Benzene	20	20.1	ug/L	101			79	120	
	1,2-Dichloroethane	20	19.3	ug/L	97			73	128	
	Trichloroethene	20	20.0	ug/L	100			79	123	
	1,2-Dichloropropane	20	19.9	ug/L	100			78	122	
	Bromodichloromethane	20	19.7	ug/L	99			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.3	ug/L	102			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	20.0	ug/L	100			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	20.0	ug/L	100			74	126	
	1,2-Dibromoethane	20	20.5	ug/L	103			77	121	
	Tetrachloroethene	20	20.4	ug/L	102			74	129	
	Chlorobenzene	20	19.9	ug/L	100			82	118	
	Ethyl Benzene	20	20.4	ug/L	102			79	121	
	m/p-Xylenes	40	41.2	ug/L	103			80	121	
	o-Xylene	20	20.1	ug/L	101			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	19.9	ug/L	100			66	130	
	Isopropylbenzene	20	19.7	ug/L	99			72	131	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100			71	121	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			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>Q3095</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM Technical Services, Inc.</u>	Datafile :	<u>VX047663.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0919WBS01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			62	128	
	1,2,4-Trichlorobenzene	20	18.8	ug/L	94			69	130	
	1,2,3-Trichlorobenzene	20	19.4	ug/L	97			69	129	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0917WBL01

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3095

Lab File ID: VX047603.D

Lab Sample ID: VX0917WBL01

Date Analyzed: 09/17/2025

Time Analyzed: 09:41

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
VX0917WBS01	VX0917WBS01	VX047604.D	09/17/2025
MW305I-20250908	Q3095-01	VX047607.D	09/17/2025
MW179D-20250908	Q3095-02	VX047608.D	09/17/2025
MW201D-20250908	Q3095-03	VX047609.D	09/17/2025
MW179D1-20250908	Q3095-04	VX047610.D	09/17/2025
MW203D1-20250909	Q3095-08	VX047611.D	09/17/2025
MW179D2-20250909	Q3095-09	VX047612.D	09/17/2025
MW201D1-20250909	Q3095-10	VX047613.D	09/17/2025
RE122D1-20250909	Q3095-11	VX047614.D	09/17/2025
MW178I1-20250909	Q3095-13	VX047616.D	09/17/2025
MW305D-20250909	Q3095-16	VX047619.D	09/17/2025
DUP01-20250909	Q3095-17	VX047620.D	09/17/2025
RE126D2-20250909	Q3095-18	VX047621.D	09/17/2025
RE126D1-20250910	Q3095-21	VX047624.D	09/17/2025
MW202D1-20250910	Q3095-22	VX047625.D	09/17/2025
MW203D2-20250909	Q3095-05	VX047626.D	09/17/2025
MW203D2-20250909MS	Q3095-06MS	VX047627.D	09/17/2025
MW203D2-20250909MSD	Q3095-07MSD	VX047628.D	09/17/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0918WBL01

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3095

Lab File ID: VX047633.D

Lab Sample ID: VX0918WBL01

Date Analyzed: 09/18/2025

Time Analyzed: 12:19

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
VX0918WBS01	VX0918WBS01	VX047634.D	09/18/2025
RE122D1-20250909DL	Q3095-11DL	VX047636.D	09/18/2025
RE126D2-20250909DL	Q3095-18DL	VX047637.D	09/18/2025
MW178I1-20250909DL	Q3095-13DL	VX047638.D	09/18/2025
MW305D-20250909DL	Q3095-16DL	VX047639.D	09/18/2025
DUP01-20250909DL	Q3095-17DL	VX047640.D	09/18/2025
MW202D-20250909	Q3095-12	VX047641.D	09/18/2025
RE123D1-20250909	Q3095-14	VX047642.D	09/18/2025
RE123D3-20250909	Q3095-15	VX047643.D	09/18/2025
RE126D3-20250909	Q3095-19	VX047644.D	09/18/2025
MW178S-20250910	Q3095-20	VX047645.D	09/18/2025
TB01-20250911	Q3095-33	VX047646.D	09/18/2025
TB02-20250911	Q3095-34	VX047647.D	09/18/2025
RE104D2-20250910	Q3095-23	VX047648.D	09/18/2025
DUP02-20250910	Q3095-25	VX047650.D	09/18/2025
RE104D3-20250910	Q3095-28	VX047653.D	09/18/2025
RE122D2-20250910	Q3095-29	VX047654.D	09/18/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0919WBL01

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3095

Lab File ID: VX047662.D

Lab Sample ID: VX0919WBL01

Date Analyzed: 09/19/2025

Time Analyzed: 10:11

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
VX0919WBS01	VX0919WBS01	VX047663.D	09/19/2025
RE104D2-20250910DL	Q3095-23DL	VX047665.D	09/19/2025
DUP02-20250910DL	Q3095-25DL	VX047666.D	09/19/2025
RE122D2-20250910DL	Q3095-29DL	VX047667.D	09/19/2025
MW178I-20250910	Q3095-24	VX047668.D	09/19/2025
DUP03-20250910	Q3095-26	VX047670.D	09/19/2025
RE117D1-20250910	Q3095-27	VX047671.D	09/19/2025
RE104D1-20250910	Q3095-30	VX047672.D	09/19/2025
TT180D-20250911	Q3095-31	VX047673.D	09/19/2025
RE122D3-20250911	Q3095-32	VX047674.D	09/19/2025

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.: Q3095
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.: Q3095

Lab File ID: VX047600.D

BFB Injection Date: 09/17/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:19

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	52.7
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	69.2
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	66.2 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047601.D	09/17/2025	08:51
VX0917WBL01	VX0917WBL01	VX047603.D	09/17/2025	09:41
VX0917WBS01	VX0917WBS01	VX047604.D	09/17/2025	10:09
MW305I-20250908	Q3095-01	VX047607.D	09/17/2025	11:18
MW179D-20250908	Q3095-02	VX047608.D	09/17/2025	11:39
MW201D-20250908	Q3095-03	VX047609.D	09/17/2025	12:00
MW179D1-20250908	Q3095-04	VX047610.D	09/17/2025	12:21
MW203D1-20250909	Q3095-08	VX047611.D	09/17/2025	12:42
MW179D2-20250909	Q3095-09	VX047612.D	09/17/2025	13:03
MW201D1-20250909	Q3095-10	VX047613.D	09/17/2025	13:24
RE122D1-20250909	Q3095-11	VX047614.D	09/17/2025	13:45
MW178I1-20250909	Q3095-13	VX047616.D	09/17/2025	14:27
MW305D-20250909	Q3095-16	VX047619.D	09/17/2025	15:30
DUP01-20250909	Q3095-17	VX047620.D	09/17/2025	15:51
RE126D2-20250909	Q3095-18	VX047621.D	09/17/2025	16:13
RE126D1-20250910	Q3095-21	VX047624.D	09/17/2025	17:16
MW202D1-20250910	Q3095-22	VX047625.D	09/17/2025	17:37
MW203D2-20250909	Q3095-05	VX047626.D	09/17/2025	17:58

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3095

Lab File ID: VX047600.D

BFB Injection Date: 09/17/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:19

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	52.7
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	69.2
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	66.2 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
MW203D2-20250909MS	Q3095-06MS	VX047627.D	09/17/2025	18:19
MW203D2-20250909MSD	Q3095-07MSD	VX047628.D	09/17/2025	18:40
VSTDCCC050EC	VSTDCCC050	VX047629.D	09/17/2025	19:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3095

Lab File ID: VX047630.D

BFB Injection Date: 09/18/2025

Instrument ID: MSVOA_X

BFB Injection Time: 10:39

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	20.2
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.7 (95.5) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047631.D	09/18/2025	11:30
VX0918WBL01	VX0918WBL01	VX047633.D	09/18/2025	12:19
VX0918WBS01	VX0918WBS01	VX047634.D	09/18/2025	12:45
RE122D1-20250909DL	Q3095-11DL	VX047636.D	09/18/2025	13:37
RE126D2-20250909DL	Q3095-18DL	VX047637.D	09/18/2025	13:58
MW178I1-20250909DL	Q3095-13DL	VX047638.D	09/18/2025	14:19
MW305D-20250909DL	Q3095-16DL	VX047639.D	09/18/2025	14:40
DUP01-20250909DL	Q3095-17DL	VX047640.D	09/18/2025	15:01
MW202D-20250909	Q3095-12	VX047641.D	09/18/2025	15:22
RE123D1-20250909	Q3095-14	VX047642.D	09/18/2025	15:43
RE123D3-20250909	Q3095-15	VX047643.D	09/18/2025	16:03
RE126D3-20250909	Q3095-19	VX047644.D	09/18/2025	16:24
MW178S-20250910	Q3095-20	VX047645.D	09/18/2025	16:45
TB01-20250911	Q3095-33	VX047646.D	09/18/2025	17:06
TB02-20250911	Q3095-34	VX047647.D	09/18/2025	17:27
RE104D2-20250910	Q3095-23	VX047648.D	09/18/2025	17:48
DUP02-20250910	Q3095-25	VX047650.D	09/18/2025	18:29
RE104D3-20250910	Q3095-28	VX047653.D	09/18/2025	19:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3095

Lab File ID: VX047630.D

BFB Injection Date: 09/18/2025

Instrument ID: MSVOA_X

BFB Injection Time: 10:39

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	20.2
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.7 (95.5) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
RE122D2-20250910	Q3095-29	VX047654.D	09/18/2025	19:53
VSTDCCC050EC	VSTDCCC050	VX047658.D	09/18/2025	21:16

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO15

Lab Code: ACE

SDG NO.: Q3095

Lab File ID: VX047659.D

BFB Injection Date: 09/19/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:17

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	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	69.8
175	5.0 - 9.0% of mass 174	5 (7.2) 1
176	95.0 - 101.0% of mass 174	66.6 (95.4) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047660.D	09/19/2025	09:22
VX0919WBL01	VX0919WBL01	VX047662.D	09/19/2025	10:11
VX0919WBS01	VX0919WBS01	VX047663.D	09/19/2025	10:38
RE104D2-20250910DL	Q3095-23DL	VX047665.D	09/19/2025	11:26
DUP02-20250910DL	Q3095-25DL	VX047666.D	09/19/2025	11:47
RE122D2-20250910DL	Q3095-29DL	VX047667.D	09/19/2025	12:08
MW178I-20250910	Q3095-24	VX047668.D	09/19/2025	12:29
DUP03-20250910	Q3095-26	VX047670.D	09/19/2025	13:11
RE117D1-20250910	Q3095-27	VX047671.D	09/19/2025	13:32
RE104D1-20250910	Q3095-30	VX047672.D	09/19/2025	13:52
TT180D-20250911	Q3095-31	VX047673.D	09/19/2025	14:13
RE122D3-20250911	Q3095-32	VX047674.D	09/19/2025	14:34
VSTDCCC050EC	VSTDCCC050	VX047687.D	09/19/2025	19:03



Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3095</u>
Lab File ID:	<u>VX047601.D</u>	Date Analyzed:	<u>09/17/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:51</u>
GC Column:	DB-624UI	ID:	0.18 (mm)
		Heated Purge:	(Y/N) N

- A
- B
- C
- D
- E**
- F
- G

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15
 Lab Code: ACE SDG NO.: Q3095
 Lab File ID: VX047601.D Date Analyzed: 09/17/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:51
 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	203321	5.53	347822	6.74	296232	10.04
UPPER LIMIT	406642	6.032	695644	7.239	592464	10.537
LOWER LIMIT	101661	5.032	173911	6.239	148116	9.537
EPA SAMPLE NO.						

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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



Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3095</u>
Lab File ID:	<u>VX047601.D</u>	Date Analyzed:	<u>09/17/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:51</u>
GC Column:	DB-624UI	ID:	0.18 (mm)
		Heated Purge:	(Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	138326	12.006				
UPPER LIMIT	276652	12.506				
LOWER LIMIT	69163	11.506				
EPA SAMPLE NO.						
MW305I-20250908	165030	12.01				
MW179D-20250908	142056	12.01				
MW201D-20250908	152611	12.01				
MW179D1-20250908	143935	12.01				
MW203D2-20250909	141573	12.01				
MW203D2-20250909MS	124680	12.01				
MW203D2-20250909MSD	122820	12.01				
MW203D1-20250909	144060	12.01				
MW179D2-20250909	144921	12.01				
MW201D1-20250909	144973	12.01				
RE122D1-20250909	143619	12.01				
MW178I1-20250909	144330	12.01				
MW305D-20250909	122022	12.01				
DUP01-20250909	137877	12.01				
RE126D2-20250909	137540	12.01				
RE126D1-20250910	145228	12.01				
MW202D1-20250910	143137	12.01				
VX0917WBL01	224854	12.01				
VX0917WBS01	151595	12.01				

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3095</u>
Lab File ID:	<u>VX047601.D</u>	Date Analyzed:	<u>09/17/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:51</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	138326	12.00€				
UPPER LIMIT	276652	12.50€				
LOWER LIMIT	69163	11.50€				
EPA SAMPLE NO.						

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3095</u>
Lab File ID:	<u>VX047631.D</u>	Date Analyzed:	<u>09/18/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>11:30</u>
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	179219	5.54	321960	6.75	285408	10.04
UPPER LIMIT	358438	6.037	643920	7.245	570816	10.537
LOWER LIMIT	89609.5	5.037	160980	6.245	142704	9.537
EPA SAMPLE NO.						
RE122D1-20250909DL	174332	5.54	317792	6.75	290497	10.04
MW202D-20250909	185198	5.54	333961	6.75	301489	10.04
MW178I1-20250909DL	192027	5.54	349705	6.75	314014	10.04
RE123D1-20250909	186708	5.54	347039	6.75	315013	10.04
RE123D3-20250909	186629	5.54	342621	6.75	313823	10.04
MW305D-20250909DL	191597	5.54	355157	6.75	319660	10.04
DUP01-20250909DL	179953	5.54	331339	6.75	301020	10.04
RE126D2-20250909DL	188808	5.54	340601	6.75	307144	10.04
RE126D3-20250909	172316	5.54	319145	6.75	294532	10.04
MW178S-20250910	186001	5.54	348431	6.75	318544	10.04
RE104D2-20250910	184099	5.54	336121	6.75	303444	10.04
DUP02-20250910	167095	5.54	311560	6.75	253664	10.04
RE104D3-20250910	175250	5.54	326969	6.75	296847	10.04
RE122D2-20250910	163338	5.54	303548	6.75	246226	10.04
TB01-20250911	176470	5.54	323882	6.75	293861	10.04
TB02-20250911	172433	5.54	318063	6.75	288916	10.04
VX0918WBL01	194980	5.54	356255	6.75	333457	10.04
VX0918WBS01	184765	5.54	329366	6.75	292123	10.04

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3095</u>
Lab File ID:	<u>VX047631.D</u>	Date Analyzed:	<u>09/18/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>11:30</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	179219	5.54	321960	6.75	285408	10.04
UPPER LIMIT	358438	6.037	643920	7.245	570816	10.537
LOWER LIMIT	89609.5	5.037	160980	6.245	142704	9.537
EPA SAMPLE NO.						

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3095</u>
Lab File ID:	<u>VX047631.D</u>	Date Analyzed:	<u>09/18/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>11:30</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	137093	12.006				
UPPER LIMIT	274186	12.506				
LOWER LIMIT	68546.5	11.506				
EPA SAMPLE NO.						
RE122D1-20250909DL	143980	12.01				
MW202D-20250909	144225	12.01				
MW178I1-20250909DL	151081	12.01				
RE123D1-20250909	151637	12.01				
RE123D3-20250909	153255	12.01				
MW305D-20250909DL	157275	12.01				
DUP01-20250909DL	145612	12.01				
RE126D2-20250909DL	150558	12.01				
RE126D3-20250909	143114	12.01				
MW178S-20250910	154032	12.01				
RE104D2-20250910	145628	12.01				
DUP02-20250910	122561	12.01				
RE104D3-20250910	144761	12.01				
RE122D2-20250910	122418	12.01				
TB01-20250911	142150	12.01				
TB02-20250911	139535	12.01				
VX0918WBL01	168174	12.01				
VX0918WBS01	143266	12.01				

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3095</u>
Lab File ID:	<u>VX047631.D</u>	Date Analyzed:	<u>09/18/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>11:30</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	137093	12.00€				
UPPER LIMIT	274186	12.50€				
LOWER LIMIT	68546.5	11.50€				
EPA SAMPLE NO.						

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15
Lab Code: ACE SDG NO.: Q3095
Lab File ID: VX047660.D Date Analyzed: 09/19/2025
Instrument ID: MSVOA_X Time Analyzed: 09:22
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	168285	5.53	306730	6.74	272268	10.04
UPPER LIMIT	336570	6.032	613460	7.239	544536	10.537
LOWER LIMIT	84142.5	5.032	153365	6.239	136134	9.537
EPA SAMPLE NO.						
RE104D2-20250910DL	178407	5.54	318864	6.75	293829	10.04
MW178I-20250910	181150	5.54	339462	6.75	307986	10.04
DUP02-20250910DL	189981	5.54	344496	6.75	309572	10.04
DUP03-20250910	173509	5.54	318100	6.75	291215	10.04
RE117D1-20250910	166057	5.54	309930	6.75	283052	10.04
RE122D2-20250910DL	168714	5.54	312288	6.75	284536	10.04
RE104D1-20250910	172904	5.54	321637	6.75	291592	10.04
TT180D-20250911	171154	5.54	314018	6.75	285129	10.04
RE122D3-20250911	188618	5.54	342292	6.75	316267	10.04
VX0919WBL01	194256	5.54	363806	6.75	339161	10.04
VX0919WBS01	190485	5.53	337411	6.75	298577	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>Q3095</u>
Lab File ID:	<u>VX047660.D</u>	Date Analyzed:	<u>09/19/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:22</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	129778	12.00€				
UPPER LIMIT	259556	12.50€				
LOWER LIMIT	64889	11.50€				
EPA SAMPLE NO.						
RE104D2-20250910DL	142184	12.01				
MW178I-20250910	151965	12.01				
DUP02-20250910DL	151017	12.01				
DUP03-20250910	140190	12.01				
RE117D1-20250910	136445	12.01				
RE122D2-20250910DL	137256	12.01				
RE104D1-20250910	140121	12.01				
TT180D-20250911	139806	12.01				
RE122D3-20250911	150121	12.01				
VX0919WBL01	175228	12.01				
VX0919WBS01	146041	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:	VX0917WBL01		SDG No.:	Q3095
Lab Sample ID:	VX0917WBL01		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
VX047603.D	1	09/17/25 09:41	VX091725

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:	VX0917WBL01		SDG No.:	Q3095
Lab Sample ID:	VX0917WBL01		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
VX047603.D	1	09/17/25 09:41	VX091725

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	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	47.4		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	235000	5.538				
540-36-3	1,4-Difluorobenzene	478000	6.745				
3114-55-4	Chlorobenzene-d5	461000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	225000	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:	VX0917WBL01		SDG No.:	Q3095
Lab Sample ID:	VX0917WBL01		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
VX047603.D	1	09/17/25 09:41	VX091725

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:	VX0918WBL01		SDG No.:	Q3095
Lab Sample ID:	VX0918WBL01		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
VX047633.D	1	09/18/25 12:19	VX091825

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:	VX0918WBL01		SDG No.:	Q3095
Lab Sample ID:	VX0918WBL01		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
VX047633.D	1	09/18/25 12:19	VX091825

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	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	195000	5.538				
540-36-3	1,4-Difluorobenzene	356000	6.745				
3114-55-4	Chlorobenzene-d5	333000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	168000	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:	VX0918WBL01		SDG No.:	Q3095
Lab Sample ID:	VX0918WBL01		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
VX047633.D	1	09/18/25 12:19	VX091825

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:	VX0919WBL01		SDG No.:	Q3095
Lab Sample ID:	VX0919WBL01		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
VX047662.D	1	09/19/25 10:11	VX091925

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:	VX0919WBL01		SDG No.:	Q3095
Lab Sample ID:	VX0919WBL01		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
VX047662.D	1	09/19/25 10:11	VX091925

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	57.8		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	194000	5.537				
540-36-3	1,4-Difluorobenzene	364000	6.745				
3114-55-4	Chlorobenzene-d5	339000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	175000	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:	VX0919WBL01		SDG No.:	Q3095
Lab Sample ID:	VX0919WBL01		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
VX047662.D	1	09/19/25 10:11	VX091925

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:	VX0917WBS01		SDG No.:	Q3095
Lab Sample ID:	VX0917WBS01		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
VX047604.D	1	09/17/25 10:09	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	15.9		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	73.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	16.9		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	84.0		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.9		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	17.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.5		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	17.5		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	88.0		0.68	2.50	5.00	ug/L
108-88-3	Toluene	17.5		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:	VX0917WBS01		SDG No.:	Q3095
Lab Sample ID:	VX0917WBS01		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
VX047604.D	1	09/17/25 10:09	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.7		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	85.8		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	17.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	17.1		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	35.8		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	17.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	17.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.7		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.5		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	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	196000	5.538				
540-36-3	1,4-Difluorobenzene	351000	6.739				
3114-55-4	Chlorobenzene-d5	311000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	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:	VX0917WBS01		SDG No.:	Q3095
Lab Sample ID:	VX0917WBS01		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
VX047604.D	1	09/17/25 10:09	VX091725

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:	VX0918WBS01		SDG No.:	Q3095
Lab Sample ID:	VX0918WBS01		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
VX047634.D	1	09/18/25 12:45	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	25.4		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	23.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	23.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	23.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	97.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	23.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	21.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.9		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.1		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	22.0		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	20.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	26.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	21.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	21.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	21.5		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	21.0		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.2		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	120		0.68	2.50	5.00	ug/L
108-88-3	Toluene	21.3		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0918WBS01		SDG No.:	Q3095
Lab Sample ID:	VX0918WBS01		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
VX047634.D	1	09/18/25 12:45	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.9		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		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	21.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.1		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	21.3		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	21.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	43.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	21.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.3		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.5		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.5		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.7		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	185000	5.538				
540-36-3	1,4-Difluorobenzene	329000	6.745				
3114-55-4	Chlorobenzene-d5	292000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	143000	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:	VX0918WBS01		SDG No.:	Q3095
Lab Sample ID:	VX0918WBS01		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
VX047634.D	1	09/18/25 12:45	VX091825

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:	VX0919WBS01		SDG No.:	Q3095
Lab Sample ID:	VX0919WBS01		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
VX047663.D	1	09/19/25 10:38	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	24.4		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	21.9		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	21.8		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	23.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	87.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	21.6		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	19.4		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.8		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	20.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	98.8		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	20.0		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.1		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.3		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	19.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.7		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	20.3		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX0919WBS01		SDG No.:	Q3095
Lab Sample ID:	VX0919WBS01		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
VX047663.D	1	09/19/25 10:38	VX091925

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	20.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.4		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.2		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	19.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.9		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	19.5		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	19.2		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.4		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	55.4		89 - 112		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	190000	5.532				
540-36-3	1,4-Difluorobenzene	337000	6.745				
3114-55-4	Chlorobenzene-d5	299000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	146000	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:	VX0919WBS01		SDG No.:	Q3095
Lab Sample ID:	VX0919WBS01		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
VX047663.D	1	09/19/25 10:38	VX091925

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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D2-20250909MS		SDG No.:	Q3095	
Lab Sample ID:	Q3095-06MS		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
VX047627.D	1	09/17/25 18:19	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	44.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	48.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	49.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	51.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	50.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	47.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	240		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	46.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	55.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	63.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	52.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	51.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	59.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	46.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	290		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	46.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	55.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	55.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	54.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	52.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	44.6		0.16	0.50	1.00	ug/L
71-43-2	Benzene	50.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	51.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	51.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	51.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	300		0.68	2.50	5.00	ug/L
108-88-3	Toluene	50.4		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D2-20250909MS		SDG No.:	Q3095	
Lab Sample ID:	Q3095-06MS		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
VX047627.D	1	09/17/25 18:19	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	50.4		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.1		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	290		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	53.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	54.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	47.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	50.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	50.4		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	100		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	51.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	51.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	50.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	56.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	49.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.2		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	56.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	50.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.8		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	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	160000	5.544				
540-36-3	1,4-Difluorobenzene	295000	6.745				
3114-55-4	Chlorobenzene-d5	262000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D2-20250909MS		SDG No.:	Q3095	
Lab Sample ID:	Q3095-06MS		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
VX047627.D	1	09/17/25 18:19	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
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 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:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D2-20250909MSD		SDG No.:	Q3095	
Lab Sample ID:	Q3095-07MSD		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
VX047628.D	1	09/17/25 18:40	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	41.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	44.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	45.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	48.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	45.7		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	44.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	44.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	47.6		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	43.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	52.3		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	59.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	48.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	48.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	55.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	44.2		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	270		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	44.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.0		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	56.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	51.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	49.9		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	42.4		0.16	0.50	1.00	ug/L
71-43-2	Benzene	47.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	48.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	49.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	49.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	48.7		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	47.9		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D2-20250909MSD		SDG No.:	Q3095	
Lab Sample ID:	Q3095-07MSD		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
VX047628.D	1	09/17/25 18:40	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	48.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	48.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	50.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	280		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	51.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	51.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	46.1		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	48.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	47.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	95.9		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	48.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	49.4		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	51.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	48.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	53.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	48.8		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	50.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	54.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	49.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	5.544				
540-36-3	1,4-Difluorobenzene	291000	6.745				
3114-55-4	Chlorobenzene-d5	259000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	123000	12.006				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/12/25	
Client Sample ID:	MW203D2-20250909MSD		SDG No.:	Q3095	
Lab Sample ID:	Q3095-07MSD		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
VX047628.D	1	09/17/25 18:40	VX091725

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>Q3095</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>Q3095</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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/17/2025 08:51</u>
Lab File ID:	<u>VX047601.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	0.588		13.51	20
Chloromethane	0.680	0.692	0.1	1.76	20
Vinyl Chloride	0.666	0.744		11.71	20
Bromomethane	0.422	0.456		8.06	20
Chloroethane	0.445	0.480		7.86	20
Trichlorofluoromethane	0.989	1.145		15.77	20
1,1,2-Trichlorotrifluoroethane	0.578	0.682		17.99	20
1,1-Dichloroethene	0.594	0.660		11.11	20
Acetone	0.346	0.406		17.34	20
Carbon Disulfide	1.626	1.690		3.94	20
Methyl tert-butyl Ether	2.169	2.249		3.69	20
Methyl Acetate	0.770	0.866		12.47	20
Methylene Chloride	0.732	0.734		0.27	20
trans-1,2-Dichloroethene	0.640	0.685		7.03	20
1,1-Dichloroethane	1.263	1.336	0.1	5.78	20
Cyclohexane	1.052	1.124		6.84	20
2-Butanone	0.432	0.454		5.09	20
Carbon Tetrachloride	0.532	0.581		9.21	20
cis-1,2-Dichloroethene	0.783	0.811		3.58	20
Bromochloromethane	0.551	0.577		4.72	20
Chloroform	1.276	1.326		3.92	20
1,1,1-Trichloroethane	1.082	1.164		7.58	20
Methylcyclohexane	0.556	0.646		16.19	20
Benzene	1.488	1.564		5.11	20
1,2-Dichloroethane	0.566	0.577		1.94	20
Trichloroethene	0.360	0.386		7.22	20
1,2-Dichloropropane	0.381	0.397		4.2	20
Bromodichloromethane	0.572	0.605		5.77	20
4-Methyl-2-Pentanone	0.477	0.481		0.84	20
Toluene	0.917	0.945		3.05	20
t-1,3-Dichloropropene	0.584	0.604		3.42	20
cis-1,3-Dichloropropene	0.624	0.650		4.17	20
1,1,2-Trichloroethane	0.354	0.354		0	20
2-Hexanone	0.343	0.342		-0.29	20
Dibromochloromethane	0.407	0.425		4.42	20
1,2-Dibromoethane	0.360	0.366		1.67	20
Tetrachloroethene	0.326	0.353		8.28	20
Chlorobenzene	1.136	1.193	0.3	5.02	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/17/2025</u> <u>08:51</u>
Lab File ID:	<u>VX047601.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	2.137		9.03	20
m/p-Xylenes	0.729	0.793		8.78	20
o-Xylene	0.706	0.757		7.22	20
Styrene	1.236	1.311		6.07	20
Bromoform	0.293	0.312	0.1	6.49	20
Isopropylbenzene	3.801	4.316		13.55	20
1,1,2,2-Tetrachloroethane	1.150	1.208	0.3	5.04	20
1,3-Dichlorobenzene	1.739	1.839		5.75	20
1,4-Dichlorobenzene	1.785	1.872		4.87	20
1,2-Dichlorobenzene	1.657	1.766		6.58	20
1,2-Dibromo-3-Chloropropane	0.233	0.247		6.01	20
1,2,4-Trichlorobenzene	1.077	1.192		10.68	20
1,2,3-Trichlorobenzene	1.002	1.099		9.68	20
1,2-Dichloroethane-d4	0.796	0.768		-3.52	20
Dibromofluoromethane	0.335	0.352		5.07	20
Toluene-d8	1.160	1.191		2.67	20
4-Bromofluorobenzene	0.440	0.448		1.82	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/17/2025 19:01</u>
Lab File ID:	<u>VX047629.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	0.446		-13.9	50
Chloromethane	0.680	0.611	0.1	-10.15	50
Vinyl Chloride	0.666	0.632		-5.11	50
Bromomethane	0.422	0.425		0.71	50
Chloroethane	0.445	0.429		-3.6	50
Trichlorofluoromethane	0.989	0.939		-5.06	50
1,1,2-Trichlorotrifluoroethane	0.578	0.553		-4.32	50
1,1-Dichloroethene	0.594	0.575		-3.2	50
Acetone	0.346	0.309		-10.69	50
Carbon Disulfide	1.626	1.466		-9.84	50
Methyl tert-butyl Ether	2.169	2.345		8.11	50
Methyl Acetate	0.770	1.014		31.69	50
Methylene Chloride	0.732	0.737		0.68	50
trans-1,2-Dichloroethene	0.640	0.643		0.47	50
1,1-Dichloroethane	1.263	1.313	0.1	3.96	50
Cyclohexane	1.052	0.996		-5.32	50
2-Butanone	0.432	0.483		11.81	50
Carbon Tetrachloride	0.532	0.507		-4.7	50
cis-1,2-Dichloroethene	0.783	0.815		4.09	50
Bromochloromethane	0.551	0.595		7.99	50
Chloroform	1.276	1.353		6.03	50
1,1,1-Trichloroethane	1.082	1.124		3.88	50
Methylcyclohexane	0.556	0.507		-8.81	50
Benzene	1.488	1.493		0.34	50
1,2-Dichloroethane	0.566	0.567		0.18	50
Trichloroethene	0.360	0.362		0.56	50
1,2-Dichloropropane	0.381	0.395		3.67	50
Bromodichloromethane	0.572	0.595		4.02	50
4-Methyl-2-Pentanone	0.477	0.561		17.61	50
Toluene	0.917	0.929		1.31	50
t-1,3-Dichloropropene	0.584	0.597		2.23	50
cis-1,3-Dichloropropene	0.624	0.638		2.24	50
1,1,2-Trichloroethane	0.354	0.377		6.5	50
2-Hexanone	0.343	0.392		14.29	50
Dibromochloromethane	0.407	0.435		6.88	50
1,2-Dibromoethane	0.360	0.394		9.44	50
Tetrachloroethene	0.326	0.317		-2.76	50
Chlorobenzene	1.136	1.148	0.3	1.06	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/17/2025 19:01</u>
Lab File ID:	<u>VX047629.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	1.965		0.25	50
m/p-Xylenes	0.729	0.740		1.51	50
o-Xylene	0.706	0.722		2.27	50
Styrene	1.236	1.271		2.83	50
Bromoform	0.293	0.309	0.1	5.46	50
Isopropylbenzene	3.801	3.902		2.66	50
1,1,2,2-Tetrachloroethane	1.150	1.278	0.3	11.13	50
1,3-Dichlorobenzene	1.739	1.777		2.18	50
1,4-Dichlorobenzene	1.785	1.804		1.06	50
1,2-Dichlorobenzene	1.657	1.748		5.49	50
1,2-Dibromo-3-Chloropropane	0.233	0.267		14.59	50
1,2,4-Trichlorobenzene	1.077	1.111		3.16	50
1,2,3-Trichlorobenzene	1.002	1.074		7.19	50
1,2-Dichloroethane-d4	0.796	0.816		2.51	50
Dibromofluoromethane	0.335	0.335		0	50
Toluene-d8	1.160	1.177		1.47	50
4-Bromofluorobenzene	0.440	0.445		1.14	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/18/2025 11:30</u>
Lab File ID:	<u>VX047631.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	0.628		21.24	20
Chloromethane	0.680	0.746	0.1	9.71	20
Vinyl Chloride	0.666	0.733		10.06	20
Bromomethane	0.422	0.455		7.82	20
Chloroethane	0.445	0.461		3.6	20
Trichlorofluoromethane	0.989	1.010		2.12	20
1,1,2-Trichlorotrifluoroethane	0.578	0.587		1.56	20
1,1-Dichloroethene	0.594	0.605		1.85	20
Acetone	0.346	0.404		16.76	20
Carbon Disulfide	1.626	1.789		10.02	20
Methyl tert-butyl Ether	2.169	2.130		-1.8	20
Methyl Acetate	0.770	0.761		-1.17	20
Methylene Chloride	0.732	0.699		-4.51	20
trans-1,2-Dichloroethene	0.640	0.655		2.34	20
1,1-Dichloroethane	1.263	1.244	0.1	-1.5	20
Cyclohexane	1.052	1.079		2.57	20
2-Butanone	0.432	0.471		9.03	20
Carbon Tetrachloride	0.532	0.514		-3.38	20
cis-1,2-Dichloroethene	0.783	0.777		-0.77	20
Bromochloromethane	0.551	0.563		2.18	20
Chloroform	1.276	1.249		-2.12	20
1,1,1-Trichloroethane	1.082	1.070		-1.11	20
Methylcyclohexane	0.556	0.565		1.62	20
Benzene	1.488	1.458		-2.02	20
1,2-Dichloroethane	0.566	0.532		-6.01	20
Trichloroethene	0.360	0.361		0.28	20
1,2-Dichloropropane	0.381	0.370		-2.89	20
Bromodichloromethane	0.572	0.548		-4.2	20
4-Methyl-2-Pentanone	0.477	0.493		3.35	20
Toluene	0.917	0.902		-1.64	20
t-1,3-Dichloropropene	0.584	0.574		-1.71	20
cis-1,3-Dichloropropene	0.624	0.620		-0.64	20
1,1,2-Trichloroethane	0.354	0.342		-3.39	20
2-Hexanone	0.343	0.365		6.41	20
Dibromochloromethane	0.407	0.403		-0.98	20
1,2-Dibromoethane	0.360	0.364		1.11	20
Tetrachloroethene	0.326	0.324		-0.61	20
Chlorobenzene	1.136	1.105	0.3	-2.73	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/18/2025 11:30</u>
Lab File ID:	<u>VX047631.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	1.938		-1.12	20
m/p-Xylenes	0.729	0.727		-0.27	20
o-Xylene	0.706	0.706		0	20
Styrene	1.236	1.217		-1.54	20
Bromoform	0.293	0.288	0.1	-1.71	20
Isopropylbenzene	3.801	3.740		-1.61	20
1,1,2,2-Tetrachloroethane	1.150	1.146	0.3	-0.35	20
1,3-Dichlorobenzene	1.739	1.679		-3.45	20
1,4-Dichlorobenzene	1.785	1.687		-5.49	20
1,2-Dichlorobenzene	1.657	1.620		-2.23	20
1,2-Dibromo-3-Chloropropane	0.233	0.239		2.58	20
1,2,4-Trichlorobenzene	1.077	1.063		-1.3	20
1,2,3-Trichlorobenzene	1.002	0.981		-2.1	20
1,2-Dichloroethane-d4	0.796	0.745		-6.41	20
Dibromofluoromethane	0.335	0.325		-2.98	20
Toluene-d8	1.160	1.135		-2.15	20
4-Bromofluorobenzene	0.440	0.422		-4.09	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/18/2025 21:16</u>
Lab File ID:	<u>VX047658.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	0.695		34.17	50
Chloromethane	0.680	0.835	0.1	22.79	50
Vinyl Chloride	0.666	0.825		23.87	50
Bromomethane	0.422	0.505		19.67	50
Chloroethane	0.445	0.509		14.38	50
Trichlorofluoromethane	0.989	1.148		16.08	50
1,1,2-Trichlorotrifluoroethane	0.578	0.650		12.46	50
1,1-Dichloroethene	0.594	0.683		14.98	50
Acetone	0.346	0.304		-12.14	50
Carbon Disulfide	1.626	1.949		19.86	50
Methyl tert-butyl Ether	2.169	2.332		7.51	50
Methyl Acetate	0.770	0.845		9.74	50
Methylene Chloride	0.732	0.803		9.7	50
trans-1,2-Dichloroethene	0.640	0.722		12.81	50
1,1-Dichloroethane	1.263	1.391	0.1	10.14	50
Cyclohexane	1.052	1.161		10.36	50
2-Butanone	0.432	0.457		5.79	50
Carbon Tetrachloride	0.532	0.555		4.32	50
cis-1,2-Dichloroethene	0.783	0.869		10.98	50
Bromochloromethane	0.551	0.589		6.9	50
Chloroform	1.276	1.385		8.54	50
1,1,1-Trichloroethane	1.082	1.168		7.95	50
Methylcyclohexane	0.556	0.608		9.35	50
Benzene	1.488	1.626		9.27	50
1,2-Dichloroethane	0.566	0.595		5.12	50
Trichloroethene	0.360	0.397		10.28	50
1,2-Dichloropropane	0.381	0.407		6.82	50
Bromodichloromethane	0.572	0.602		5.24	50
4-Methyl-2-Pentanone	0.477	0.543		13.84	50
Toluene	0.917	0.996		8.61	50
t-1,3-Dichloropropene	0.584	0.596		2.06	50
cis-1,3-Dichloropropene	0.624	0.640		2.56	50
1,1,2-Trichloroethane	0.354	0.374		5.65	50
2-Hexanone	0.343	0.378		10.2	50
Dibromochloromethane	0.407	0.438		7.62	50
1,2-Dibromoethane	0.360	0.392		8.89	50
Tetrachloroethene	0.326	0.358		9.82	50
Chlorobenzene	1.136	1.210	0.3	6.51	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/18/2025 21:16</u>
Lab File ID:	<u>VX047658.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	2.122		8.27	50
m/p-Xylenes	0.729	0.796		9.19	50
o-Xylene	0.706	0.768		8.78	50
Styrene	1.236	1.343		8.66	50
Bromoform	0.293	0.317	0.1	8.19	50
Isopropylbenzene	3.801	4.107		8.05	50
1,1,2,2-Tetrachloroethane	1.150	1.269	0.3	10.35	50
1,3-Dichlorobenzene	1.739	1.824		4.89	50
1,4-Dichlorobenzene	1.785	1.847		3.47	50
1,2-Dichlorobenzene	1.657	1.780		7.42	50
1,2-Dibromo-3-Chloropropane	0.233	0.253		8.58	50
1,2,4-Trichlorobenzene	1.077	1.121		4.09	50
1,2,3-Trichlorobenzene	1.002	1.056		5.39	50
1,2-Dichloroethane-d4	0.796	0.811		1.88	50
Dibromofluoromethane	0.335	0.343		2.39	50
Toluene-d8	1.160	1.189		2.5	50
4-Bromofluorobenzene	0.440	0.446		1.36	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/19/2025 09:22</u>
Lab File ID:	<u>VX047660.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	0.650		25.48	20
Chloromethane	0.680	0.796	0.1	17.06	20
Vinyl Chloride	0.666	0.765		14.86	20
Bromomethane	0.422	0.509		20.62	20
Chloroethane	0.445	0.487		9.44	20
Trichlorofluoromethane	0.989	1.055		6.67	20
1,1,2-Trichlorotrifluoroethane	0.578	0.606		4.84	20
1,1-Dichloroethene	0.594	0.636		7.07	20
Acetone	0.346	0.370		6.94	20
Carbon Disulfide	1.626	1.859		14.33	20
Methyl tert-butyl Ether	2.169	2.275		4.89	20
Methyl Acetate	0.770	0.823		6.88	20
Methylene Chloride	0.732	0.763		4.24	20
trans-1,2-Dichloroethene	0.640	0.690		7.81	20
1,1-Dichloroethane	1.263	1.331	0.1	5.38	20
Cyclohexane	1.052	1.072		1.9	20
2-Butanone	0.432	0.467		8.1	20
Carbon Tetrachloride	0.532	0.515		-3.19	20
cis-1,2-Dichloroethene	0.783	0.828		5.75	20
Bromochloromethane	0.551	0.612		11.07	20
Chloroform	1.276	1.333		4.47	20
1,1,1-Trichloroethane	1.082	1.113		2.87	20
Methylcyclohexane	0.556	0.565		1.62	20
Benzene	1.488	1.532		2.96	20
1,2-Dichloroethane	0.566	0.567		0.18	20
Trichloroethene	0.360	0.371		3.06	20
1,2-Dichloropropane	0.381	0.386		1.31	20
Bromodichloromethane	0.572	0.580		1.4	20
4-Methyl-2-Pentanone	0.477	0.504		5.66	20
Toluene	0.917	0.930		1.42	20
t-1,3-Dichloropropene	0.584	0.600		2.74	20
cis-1,3-Dichloropropene	0.624	0.646		3.53	20
1,1,2-Trichloroethane	0.354	0.359		1.41	20
2-Hexanone	0.343	0.360		4.96	20
Dibromochloromethane	0.407	0.423		3.93	20
1,2-Dibromoethane	0.360	0.383		6.39	20
Tetrachloroethene	0.326	0.319		-2.15	20
Chlorobenzene	1.136	1.134	0.3	-0.18	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/19/2025</u> <u>09:22</u>
Lab File ID:	<u>VX047660.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	1.969		0.46	20
m/p-Xylenes	0.729	0.735		0.82	20
o-Xylene	0.706	0.714		1.13	20
Styrene	1.236	1.272		2.91	20
Bromoform	0.293	0.298	0.1	1.71	20
Isopropylbenzene	3.801	3.802		0.03	20
1,1,2,2-Tetrachloroethane	1.150	1.194	0.3	3.83	20
1,3-Dichlorobenzene	1.739	1.744		0.29	20
1,4-Dichlorobenzene	1.785	1.754		-1.74	20
1,2-Dichlorobenzene	1.657	1.660		0.18	20
1,2-Dibromo-3-Chloropropane	0.233	0.242		3.86	20
1,2,4-Trichlorobenzene	1.077	1.091		1.3	20
1,2,3-Trichlorobenzene	1.002	1.028		2.6	20
1,2-Dichloroethane-d4	0.796	0.779		-2.14	20
Dibromofluoromethane	0.335	0.329		-1.79	20
Toluene-d8	1.160	1.122		-3.28	20
4-Bromofluorobenzene	0.440	0.425		-3.41	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/19/2025 19:03</u>
Lab File ID:	<u>VX047687.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	0.658		27.03	50
Chloromethane	0.680	0.802	0.1	17.94	50
Vinyl Chloride	0.666	0.795		19.37	50
Bromomethane	0.422	0.503		19.19	50
Chloroethane	0.445	0.502		12.81	50
Trichlorofluoromethane	0.989	1.094		10.62	50
1,1,2-Trichlorotrifluoroethane	0.578	0.646		11.77	50
1,1-Dichloroethene	0.594	0.654		10.1	50
Acetone	0.346	0.275		-20.52	50
Carbon Disulfide	1.626	1.876		15.38	50
Methyl tert-butyl Ether	2.169	2.274		4.84	50
Methyl Acetate	0.770	0.823		6.88	50
Methylene Chloride	0.732	0.795		8.61	50
trans-1,2-Dichloroethene	0.640	0.708		10.63	50
1,1-Dichloroethane	1.263	1.378	0.1	9.1	50
Cyclohexane	1.052	1.123		6.75	50
2-Butanone	0.432	0.427		-1.16	50
Carbon Tetrachloride	0.532	0.541		1.69	50
cis-1,2-Dichloroethene	0.783	0.841		7.41	50
Bromochloromethane	0.551	0.592		7.44	50
Chloroform	1.276	1.389		8.86	50
1,1,1-Trichloroethane	1.082	1.158		7.02	50
Methylcyclohexane	0.556	0.582		4.68	50
Benzene	1.488	1.601		7.59	50
1,2-Dichloroethane	0.566	0.588		3.89	50
Trichloroethene	0.360	0.404		12.22	50
1,2-Dichloropropane	0.381	0.410		7.61	50
Bromodichloromethane	0.572	0.610		6.64	50
4-Methyl-2-Pentanone	0.477	0.505		5.87	50
Toluene	0.917	0.979		6.76	50
t-1,3-Dichloropropene	0.584	0.602		3.08	50
cis-1,3-Dichloropropene	0.624	0.647		3.69	50
1,1,2-Trichloroethane	0.354	0.377		6.5	50
2-Hexanone	0.343	0.346		0.88	50
Dibromochloromethane	0.407	0.436		7.13	50
1,2-Dibromoethane	0.360	0.396		10	50
Tetrachloroethene	0.326	0.340		4.29	50
Chlorobenzene	1.136	1.199	0.3	5.55	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>Q3095</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/19/2025</u> <u>19:03</u>
Lab File ID:	<u>VX047687.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	2.077		5.97	50
m/p-Xylenes	0.729	0.766		5.07	50
o-Xylene	0.706	0.753		6.66	50
Styrene	1.236	1.317		6.55	50
Bromoform	0.293	0.304	0.1	3.75	50
Isopropylbenzene	3.801	3.941		3.68	50
1,1,2,2-Tetrachloroethane	1.150	1.206	0.3	4.87	50
1,3-Dichlorobenzene	1.739	1.790		2.93	50
1,4-Dichlorobenzene	1.785	1.808		1.29	50
1,2-Dichlorobenzene	1.657	1.710		3.2	50
1,2-Dibromo-3-Chloropropane	0.233	0.223		-4.29	50
1,2,4-Trichlorobenzene	1.077	1.094		1.58	50
1,2,3-Trichlorobenzene	1.002	0.985		-1.7	50
1,2-Dichloroethane-d4	0.796	0.848		6.53	50
Dibromofluoromethane	0.335	0.360		7.46	50
Toluene-d8	1.160	1.237		6.64	50
4-Bromofluorobenzene	0.440	0.465		5.68	50

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