

LAB CHRONICLE

OrderID:	Q2299	OrderDate:	6/12/2025 12:06:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2299-01	RE117D1-20250609	Water	VOCMS Group1	8260-Low	06/09/25		06/16/25	06/11/25
Q2299-02	RE117D2-20250609	Water	VOCMS Group1	8260-Low	06/09/25		06/18/25	06/11/25
Q2299-05	TT191D1-20250609	Water	VOCMS Group1	8260-Low	06/09/25		06/17/25	06/11/25
Q2299-06	TT191D2-20250609	Water	VOCMS Group1	8260-Low	06/09/25		06/16/25	06/11/25
Q2299-07	RW10-MW01S-20250609	Water	VOCMS Group1	8260-Low	06/09/25		06/16/25	06/11/25
Q2299-08	RW10-MW01D-20250609	Water	VOCMS Group1	8260-Low	06/09/25		06/16/25	06/11/25
Q2299-09	RW10A-MW01S-20250609	Water	VOCMS Group1	8260-Low	06/09/25		06/16/25	06/11/25
Q2299-10	RW10A-MW01I-20250609	Water	VOCMS Group1	8260-Low	06/09/25		06/16/25	06/11/25
Q2299-11	TT158I1-20250610	Water	VOCMS Group1	8260-Low	06/10/25		06/16/25	06/11/25
Q2299-12	DUP01-20250610	Water	VOCMS Group1	8260-Low	06/10/25		06/16/25	06/11/25

LAB CHRONICLE

Q2299-13	RE131D2-20250610	Water		06/10/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25
Q2299-14	DUP02-20250610	Water		06/10/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25
Q2299-15	TT174I1-20250610	Water		06/10/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25
Q2299-16	RE134D4-20250610	Water		06/10/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25
Q2299-16DL	RE134D4-20250610D L	Water		06/10/25	06/11/25
			VOCMS Group1	8260-Low	06/17/25
Q2299-17	RE134D3-20250610	Water		06/10/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25
Q2299-17DL	RE134D3-20250610D L	Water		06/10/25	06/11/25
			VOCMS Group1	8260-Low	06/17/25
Q2299-18	TT190D1-20250611	Water		06/11/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25
Q2299-18DL	TT190D1-20250611DL	Water		06/11/25	06/11/25
			VOCMS Group1	8260-Low	06/17/25
Q2299-19	RW11-MW01I-202506 11	Water		06/11/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25
Q2299-20	RW11-MW01S-20250 611	Water		06/11/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25
Q2299-21	RE134D1-20250611	Water		06/11/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25
Q2299-22	TT190D2-20250611	Water		06/11/25	06/11/25
			VOCMS Group1	8260-Low	06/16/25

Hit Summary Sheet SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	RE117D1-20250609								
Q2299-01	RE117D1-20250609	Water	1,1,2-Trichlorotrifluoroethane	1.30		0.25	0.50	1.00	ug/L
Q2299-01	RE117D1-20250609	Water	1,1-Dichloroethene	1.80		0.23	0.75	1.00	ug/L
Q2299-01	RE117D1-20250609	Water	Carbon Tetrachloride	1.00		0.25	0.50	1.00	ug/L
Q2299-01	RE117D1-20250609	Water	cis-1,2-Dichloroethene	0.95	J	0.19	0.75	1.00	ug/L
Q2299-01	RE117D1-20250609	Water	Trichloroethene	94.2		0.090	0.75	1.00	ug/L
Q2299-01	RE117D1-20250609	Water	1,1,2-Trichloroethane	0.47	J	0.21	0.50	1.00	ug/L
			Total Voc :	99.7					
			Total Concentration:	99.7					
Client ID:	TT191D1-20250609								
Q2299-05	TT191D1-20250609	Water	Dichlorodifluoromethane	1.20		0.22	0.50	1.00	ug/L
Q2299-05	TT191D1-20250609	Water	1,1,2-Trichlorotrifluoroethane	2.10		0.25	0.50	1.00	ug/L
Q2299-05	TT191D1-20250609	Water	Trichloroethene	11.1		0.090	0.75	1.00	ug/L
			Total Voc :	14.4					
			Total Concentration:	14.4					
Client ID:	TT191D2-20250609								
Q2299-06	TT191D2-20250609	Water	1,1,2-Trichlorotrifluoroethane	3.10		0.25	0.50	1.00	ug/L
Q2299-06	TT191D2-20250609	Water	1,1-Dichloroethene	0.73	J	0.23	0.75	1.00	ug/L
Q2299-06	TT191D2-20250609	Water	Carbon Tetrachloride	0.34	J	0.25	0.50	1.00	ug/L
Q2299-06	TT191D2-20250609	Water	cis-1,2-Dichloroethene	0.41	J	0.19	0.75	1.00	ug/L
Q2299-06	TT191D2-20250609	Water	Trichloroethene	63.8		0.090	0.75	1.00	ug/L
			Total Voc :	68.4					
			Total Concentration:	68.4					
Client ID:	RW10-MW01S-20250609								
Q2299-07	RW10-MW01S-202	Water	Methyl tert-butyl Ether	0.80	J	0.16	0.50	1.00	ug/L
Q2299-07	RW10-MW01S-202	Water	cis-1,2-Dichloroethene	0.75	J	0.19	0.75	1.00	ug/L
Q2299-07	RW10-MW01S-202	Water	Trichloroethene	0.62	J	0.090	0.75	1.00	ug/L
Q2299-07	RW10-MW01S-202	Water	Tetrachloroethene	5.40		0.23	0.50	1.00	ug/L
			Total Voc :	7.57					
			Total Concentration:	7.57					
Client ID:	RE131D2-20250610								
Q2299-13	RE131D2-20250610	Water	1,1,2-Trichlorotrifluoroethane	110		0.25	0.50	1.00	ug/L
Q2299-13	RE131D2-20250610	Water	cis-1,2-Dichloroethene	3.40		0.19	0.75	1.00	ug/L
Q2299-13	RE131D2-20250610	Water	Trichloroethene	150		0.090	0.75	1.00	ug/L
Q2299-13	RE131D2-20250610	Water	Tetrachloroethene	15.3		0.23	0.50	1.00	ug/L
			Total Voc :	279					
			Total Concentration:	279					
Client ID:	DUP02-20250610								
Q2299-14	DUP02-20250610	Water	1,1,2-Trichlorotrifluoroethane	100		0.25	0.50	1.00	ug/L

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SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2299-14	DUP02-20250610	Water	cis-1,2-Dichloroethene	3.10		0.19	0.75	1.00	ug/L
Q2299-14	DUP02-20250610	Water	Trichloroethene	130		0.090	0.75	1.00	ug/L
Q2299-14	DUP02-20250610	Water	Tetrachloroethene	13.4		0.23	0.50	1.00	ug/L
Total Voc :				247					
Total Concentration:				247					
Client ID:	TT1741I-20250610								
Q2299-15	TT1741I-20250610	Water	1,1-Dichloroethene	1.10		0.23	0.75	1.00	ug/L
Q2299-15	TT1741I-20250610	Water	1,1-Dichloroethane	3.20		0.23	0.50	1.00	ug/L
Q2299-15	TT1741I-20250610	Water	Trichloroethene	2.00		0.090	0.75	1.00	ug/L
Q2299-15	TT1741I-20250610	Water	Tetrachloroethene	0.59	J	0.23	0.50	1.00	ug/L
Total Voc :				6.89					
Total Concentration:				6.89					
Client ID:	RE134D4-20250610								
Q2299-16	RE134D4-20250610	Water	1,1,2-Trichlorotrifluoroethane	430	E	0.25	0.50	1.00	ug/L
Q2299-16	RE134D4-20250610	Water	cis-1,2-Dichloroethene	1.10		0.19	0.75	1.00	ug/L
Q2299-16	RE134D4-20250610	Water	Trichloroethene	35.9		0.090	0.75	1.00	ug/L
Q2299-16	RE134D4-20250610	Water	Tetrachloroethene	31.6		0.23	0.50	1.00	ug/L
Total Voc :				499					
Total Concentration:				499					
Client ID:	RE134D4-20250610DL								
Q2299-16DL	RE134D4-20250610	Water	1,1,2-Trichlorotrifluoroethane	320	D	1.30	2.50	5.00	ug/L
Q2299-16DL	RE134D4-20250610	Water	Trichloroethene	29.2	D	0.47	3.80	5.00	ug/L
Q2299-16DL	RE134D4-20250610	Water	Tetrachloroethene	28.0	D	1.20	2.50	5.00	ug/L
Total Voc :				377					
Total Concentration:				377					
Client ID:	RE134D3-20250610								
Q2299-17	RE134D3-20250610	Water	1,1,2-Trichlorotrifluoroethane	850	E	0.25	0.50	1.00	ug/L
Q2299-17	RE134D3-20250610	Water	cis-1,2-Dichloroethene	4.50		0.19	0.75	1.00	ug/L
Q2299-17	RE134D3-20250610	Water	Trichloroethene	190	E	0.090	0.75	1.00	ug/L
Q2299-17	RE134D3-20250610	Water	1,2-Dichloropropane	1.20		0.20	0.50	1.00	ug/L
Q2299-17	RE134D3-20250610	Water	Tetrachloroethene	280	E	0.23	0.50	1.00	ug/L
Total Voc :				1330					
Total Concentration:				1330					
Client ID:	RE134D3-20250610DL								
Q2299-17DL	RE134D3-20250610	Water	1,1,2-Trichlorotrifluoroethane	580	D	2.50	5.00	10.0	ug/L
Q2299-17DL	RE134D3-20250610	Water	cis-1,2-Dichloroethene	3.40	JD	1.90	7.50	10.0	ug/L
Q2299-17DL	RE134D3-20250610	Water	Trichloroethene	140	D	0.93	7.50	10.0	ug/L
Q2299-17DL	RE134D3-20250610	Water	Tetrachloroethene	210	D	2.30	5.00	10.0	ug/L
Total Voc :				933					

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SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:				933					
Client ID:	TT190D1-20250611								
Q2299-18	TT190D1-20250611	Water	1,1,2-Trichlorotrifluoroethane	3.40		0.25	0.50	1.00	ug/L
Q2299-18	TT190D1-20250611	Water	1,1-Dichloroethene	1.60		0.23	0.75	1.00	ug/L
Q2299-18	TT190D1-20250611	Water	Carbon Tetrachloride	1.50		0.25	0.50	1.00	ug/L
Q2299-18	TT190D1-20250611	Water	cis-1,2-Dichloroethene	1.80		0.19	0.75	1.00	ug/L
Q2299-18	TT190D1-20250611	Water	Chloroform	0.97	J	0.25	0.50	1.00	ug/L
Q2299-18	TT190D1-20250611	Water	Trichloroethene	200	E	0.090	0.75	1.00	ug/L
Q2299-18	TT190D1-20250611	Water	1,1,2-Trichloroethane	1.50		0.21	0.50	1.00	ug/L
Q2299-18	TT190D1-20250611	Water	Tetrachloroethene	0.68	J	0.23	0.50	1.00	ug/L
Total Voc :				211					
Total Concentration:				211					
Client ID:	TT190D1-20250611DL								
Q2299-18DL	TT190D1-20250611	Water	1,1,2-Trichlorotrifluoroethane	2.60	JD	1.30	2.50	5.00	ug/L
Q2299-18DL	TT190D1-20250611	Water	cis-1,2-Dichloroethene	1.90	JD	0.95	3.80	5.00	ug/L
Q2299-18DL	TT190D1-20250611	Water	Trichloroethene	190	D	0.47	3.80	5.00	ug/L
Q2299-18DL	TT190D1-20250611	Water	1,1,2-Trichloroethane	1.50	JD	1.10	2.50	5.00	ug/L
Total Voc :				196					
Total Concentration:				196					
Client ID:	RW11-MW01I-20250611								
Q2299-19	RW11-MW01I-20250611	Water	Trichloroethene	0.48	J	0.090	0.75	1.00	ug/L
Total Voc :				0.48					
Total Concentration:				0.48					
Client ID:	RW11-MW01S-20250611								
Q2299-20	RW11-MW01S-20250611	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
Q2299-20	RW11-MW01S-20250611	Water	Trichloroethene	0.25	J	0.090	0.75	1.00	ug/L
Total Voc :				2.45					
Total Concentration:				2.45					
Client ID:	RE134D1-20250611								
Q2299-21	RE134D1-20250611	Water	Trichloroethene	2.80		0.090	0.75	1.00	ug/L
Q2299-21	RE134D1-20250611	Water	Tetrachloroethene	0.44	J	0.23	0.50	1.00	ug/L
Total Voc :				3.24					
Total Concentration:				3.24					
Client ID:	TT190D2-20250611								
Q2299-22	TT190D2-20250611	Water	1,1,2-Trichlorotrifluoroethane	12.0		0.25	0.50	1.00	ug/L
Q2299-22	TT190D2-20250611	Water	1,1-Dichloroethene	2.10		0.23	0.75	1.00	ug/L
Q2299-22	TT190D2-20250611	Water	Carbon Tetrachloride	0.45	J	0.25	0.50	1.00	ug/L
Q2299-22	TT190D2-20250611	Water	cis-1,2-Dichloroethene	1.20		0.19	0.75	1.00	ug/L
Q2299-22	TT190D2-20250611	Water	Trichloroethene	68.7		0.090	0.75	1.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2299-22	TT190D2-20250611	Water	Toluene	0.46	J	0.14	0.50	1.00	ug/L
			Total Voc :	84.9					
			Total Concentration:	84.9					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE117D1-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-01		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087023.D	1		06/16/25 12:22	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.80		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	1.00		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.95	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	0.50	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	94.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE117D1-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-01		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087023.D	1		06/16/25 12:22	VN061625

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	0.47	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	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	249000	8.229				
540-36-3	1,4-Difluorobenzene	492000	9.106				
3114-55-4	Chlorobenzene-d5	448000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	216000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE117D1-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-01		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087023.D	1		06/16/25 12:22	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE117D2-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-02		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087080.D	1		06/18/25 13:13	VN061825

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE117D2-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-02		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087080.D	1		06/18/25 13:13	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.7		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	191000	8.236				
540-36-3	1,4-Difluorobenzene	387000	9.106				
3114-55-4	Chlorobenzene-d5	351000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.794				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE117D2-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-02		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087080.D	1		06/18/25 13:13	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-05		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087069.D	1		06/17/25 18:39	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.20		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	2.10		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	11.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-05		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087069.D	1		06/17/25 18:39	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.3		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	195000	8.236				
540-36-3	1,4-Difluorobenzene	401000	9.106				
3114-55-4	Chlorobenzene-d5	361000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-05		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087069.D	1		06/17/25 18:39	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D2-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087024.D	1		06/16/25 12:43	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	3.10		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	0.50	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	0.34	J	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.41	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	0.50	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	63.8		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D2-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087024.D	1		06/16/25 12:43	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	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	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	210000	8.23				
540-36-3	1,4-Difluorobenzene	420000	9.106				
3114-55-4	Chlorobenzene-d5	373000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D2-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087024.D	1		06/16/25 12:43	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10-MW01S-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087025.D	1		06/16/25 13:04	VN061625

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	0.80	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	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	0.50	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	0.62	J	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10-MW01S-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087025.D	1		06/16/25 13:04	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	5.40		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	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	213000	8.23				
540-36-3	1,4-Difluorobenzene	417000	9.106				
3114-55-4	Chlorobenzene-d5	375000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	176000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10-MW01S-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087025.D	1		06/16/25 13:04	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10-MW01D-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-08		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087026.D	1		06/16/25 13:25	VN061625

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10-MW01D-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-08		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087026.D	1		06/16/25 13:25	VN061625

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	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	292000	8.23				
540-36-3	1,4-Difluorobenzene	581000	9.106				
3114-55-4	Chlorobenzene-d5	516000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	250000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10-MW01D-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-08		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087026.D	1		06/16/25 13:25	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10A-MW01S-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-09		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087027.D	1		06/16/25 13:47	VN061625

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10A-MW01S-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-09		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087027.D	1		06/16/25 13:47	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	205000	8.235				
540-36-3	1,4-Difluorobenzene	407000	9.106				
3114-55-4	Chlorobenzene-d5	372000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	176000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10A-MW01S-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-09		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087027.D	1		06/16/25 13:47	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10A-MW01I-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-10		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087028.D	1		06/16/25 14:08	VN061625

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10A-MW011-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-10		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087028.D	1		06/16/25 14:08	VN061625

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	52.6		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	211000	8.235				
540-36-3	1,4-Difluorobenzene	419000	9.106				
3114-55-4	Chlorobenzene-d5	375000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW10A-MW01I-20250609		SDG No.:	Q2299	
Lab Sample ID:	Q2299-10		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087028.D	1		06/16/25 14:08	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT158I1-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-11		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087029.D	1		06/16/25 14:29	VN061625

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT158I1-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-11		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087029.D	1		06/16/25 14:29	VN061625

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	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	260000	8.23				
540-36-3	1,4-Difluorobenzene	512000	9.106				
3114-55-4	Chlorobenzene-d5	460000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	217000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT158I1-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-11		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087029.D	1		06/16/25 14:29	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	DUP01-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-12		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087030.D	1		06/16/25 14:50	VN061625

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	DUP01-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-12		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087030.D	1		06/16/25 14:50	VN061625

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	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.6		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	202000	8.235				
540-36-3	1,4-Difluorobenzene	394000	9.106				
3114-55-4	Chlorobenzene-d5	358000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	DUP01-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-12		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087030.D	1		06/16/25 14:50	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	06/11/25	
Client Sample ID:	RE131D2-20250610			SDG No.:	Q2299	
Lab Sample ID:	Q2299-13			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:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087031.D	1		06/16/25 15:12	VN061625

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	110		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	3.40		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	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	150		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE131D2-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-13		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087031.D	1		06/16/25 15:12	VN061625

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	15.3		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	51.3		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	275000	8.229				
540-36-3	1,4-Difluorobenzene	539000	9.106				
3114-55-4	Chlorobenzene-d5	482000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE131D2-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-13		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087031.D	1		06/16/25 15:12	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
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 LOD = Limit of Detection
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 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	DUP02-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-14		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087032.D	1		06/16/25 15:33	VN061625

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	100		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	3.10		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	0.50	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	130		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	DUP02-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-14		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087032.D	1		06/16/25 15:33	VN061625

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	13.4		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	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	301000	8.23				
540-36-3	1,4-Difluorobenzene	601000	9.106				
3114-55-4	Chlorobenzene-d5	535000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	254000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	DUP02-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-14		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087032.D	1		06/16/25 15:33	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT174I1-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-15		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087033.D	1		06/16/25 15:54	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	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	3.20		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	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	2.00		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT174I1-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-15		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087033.D	1		06/16/25 15:54	VN061625

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	0.59	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	204000	8.23				
540-36-3	1,4-Difluorobenzene	413000	9.106				
3114-55-4	Chlorobenzene-d5	371000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	176000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT174I1-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-15		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087033.D	1		06/16/25 15:54	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D4-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-16		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087034.D	1		06/16/25 16:15	VN061625

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	430	E	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	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	0.50	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	35.9		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:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D4-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-16		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087034.D	1		06/16/25 16:15	VN061625

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	31.6		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	55.2		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	202000	8.23				
540-36-3	1,4-Difluorobenzene	409000	9.106				
3114-55-4	Chlorobenzene-d5	370000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D4-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-16		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087034.D	1		06/16/25 16:15	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D4-20250610DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-16DL		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087053.D	5		06/17/25 12:56	VN061725

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	320	D	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.20	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.60	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.10	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	1.40	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.40	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.20	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	7.30	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	4.90	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	0.95	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	1.10	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	1.00	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.80	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.75	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
79-01-6	Trichloroethene	29.2	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:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D4-20250610DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-16DL		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087053.D	5		06/17/25 12:56	VN061725

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	28.0	D	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	46.6		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	272000	8.23				
540-36-3	1,4-Difluorobenzene	525000	9.106				
3114-55-4	Chlorobenzene-d5	454000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	220000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D4-20250610DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-16DL		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087053.D	5		06/17/25 12:56	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D3-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-17		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087035.D	1		06/16/25 16:37	VN061625

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	850	E	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	4.50		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	190	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.20		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D3-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-17		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087035.D	1		06/16/25 16:37	VN061625

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	280	E	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.5		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	194000	8.236				
540-36-3	1,4-Difluorobenzene	382000	9.106				
3114-55-4	Chlorobenzene-d5	344000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D3-20250610		SDG No.:	Q2299	
Lab Sample ID:	Q2299-17		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087035.D	1		06/16/25 16:37	VN061625

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
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 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D3-20250610DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-17DL		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087055.D	10		06/17/25 13:39	VN061725

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	580	D	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	2.30	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	15.1	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	2.10	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	1.60	5.00	10.0	ug/L
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	2.80	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.30	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	2.30	5.00	10.0	ug/L
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	ug/L
78-93-3	2-Butanone	25.0	UD	9.80	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	3.40	JD	1.90	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.50	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	2.00	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.60	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.50	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.20	5.00	10.0	ug/L
79-01-6	Trichloroethene	140	D	0.93	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	2.00	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.20	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	6.80	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.40	5.00	10.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D3-20250610DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-17DL		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087055.D	10		06/17/25 13:39	VN061725

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	210	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	47.9		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	309000	8.23				
540-36-3	1,4-Difluorobenzene	599000	9.106				
3114-55-4	Chlorobenzene-d5	534000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	255000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D3-20250610DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-17DL		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087055.D	10		06/17/25 13:39	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT190D1-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-18		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087036.D	1		06/16/25 16:58	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	3.40		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	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	1.50		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	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.97	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	200	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:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT190D1-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-18		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087036.D	1		06/16/25 16:58	VN061625

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	1.50		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	0.68	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	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	279000	8.23				
540-36-3	1,4-Difluorobenzene	553000	9.106				
3114-55-4	Chlorobenzene-d5	492000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	231000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT190D1-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-18		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087036.D	1		06/16/25 16:58	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT190D1-20250611DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-18DL		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087054.D	5		06/17/25 13:18	VN061725

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	2.60	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	1.90	JD	0.95	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	1.10	2.50	5.00	ug/L
67-66-3	Chloroform	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	190	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:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT190D1-20250611DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-18DL		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087054.D	5		06/17/25 13:18	VN061725

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	1.50	JD	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	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	313000	8.23				
540-36-3	1,4-Difluorobenzene	607000	9.106				
3114-55-4	Chlorobenzene-d5	540000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	259000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT190D1-20250611DL		SDG No.:	Q2299	
Lab Sample ID:	Q2299-18DL		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087054.D	5		06/17/25 13:18	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW11-MW011-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-19		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087037.D	1		06/16/25 17:19	VN061625

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW11-MW011-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-19		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087037.D	1		06/16/25 17:19	VN061625

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	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	254000	8.23				
540-36-3	1,4-Difluorobenzene	502000	9.106				
3114-55-4	Chlorobenzene-d5	446000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	210000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW11-MW011-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-19		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087037.D	1		06/16/25 17:19	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW11-MW01S-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-20		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087038.D	1		06/16/25 17:41	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.20	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.25	J	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW11-MW01S-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-20		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087038.D	1		06/16/25 17:41	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.8		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.7		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	278000	8.235				
540-36-3	1,4-Difluorobenzene	563000	9.106				
3114-55-4	Chlorobenzene-d5	509000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	240000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW11-MW01S-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-20		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087038.D	1		06/16/25 17:41	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D1-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-21		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087039.D	1		06/16/25 18:02	VN061625

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	2.80		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:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D1-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-21		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087039.D	1		06/16/25 18:02	VN061625

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	0.44	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	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	205000	8.235				
540-36-3	1,4-Difluorobenzene	412000	9.106				
3114-55-4	Chlorobenzene-d5	371000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	176000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D1-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-21		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087039.D	1		06/16/25 18:02	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT190D2-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-22		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087040.D	1		06/16/25 18:24	VN061625

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	12.0		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	0.45	J	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.20		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	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	68.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.46	J	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT190D2-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-22		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087040.D	1		06/16/25 18:24	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	195000	8.23				
540-36-3	1,4-Difluorobenzene	390000	9.106				
3114-55-4	Chlorobenzene-d5	348000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT190D2-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-22		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:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087040.D	1		06/16/25 18:24	VN061625

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.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2299-01	RE117D1-20250609	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	51.1	102	85	114
Q2299-02	RE117D2-20250609	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	52.7	105	80	119
		Toluene-d8	50	52.7	105	89	112
		4-Bromofluorobenzene	50	49.5	99	85	114
Q2299-03MS	TT191D1-20250609MS	1,2-Dichloroethane-d4	50	51.2	102	81	118
		Dibromofluoromethane	50	54.4	109	80	119
		Toluene-d8	50	50.8	102	89	112
		4-Bromofluorobenzene	50	51.6	103	85	114
Q2299-04MSD	TT191D1-20250609MSD	1,2-Dichloroethane-d4	50	42.6	85	81	118
		Dibromofluoromethane	50	46.5	93	80	119
		Toluene-d8	50	43.4	87 *	89	112
		4-Bromofluorobenzene	50	44.4	89	85	114
Q2299-05	TT191D1-20250609	1,2-Dichloroethane-d4	50	55.3	111	81	118
		Dibromofluoromethane	50	51.8	104	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	49.1	98	85	114
Q2299-06	TT191D2-20250609	1,2-Dichloroethane-d4	50	53.0	106	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
Q2299-07	RW10-MW01S-20250609	1,2-Dichloroethane-d4	50	51.6	103	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
Q2299-08	RW10-MW01D-20250609	1,2-Dichloroethane-d4	50	51.4	103	81	118
		Dibromofluoromethane	50	50.3	101	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	49.9	100	85	114
Q2299-09	RW10A-MW01S-20250609	1,2-Dichloroethane-d4	50	53.4	107	81	118
		Dibromofluoromethane	50	51.5	103	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114
Q2299-10	RW10A-MW01I-20250609	1,2-Dichloroethane-d4	50	52.6	105	81	118
		Dibromofluoromethane	50	51.3	102	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	49.7	99	85	114
Q2299-11	TT158I1-20250610	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	51.5	103	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	50.3	101	85	114
Q2299-12	DUP01-20250610	1,2-Dichloroethane-d4	50	51.7	103	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	52.6	105	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114
Q2299-13	RE131D2-20250610	1,2-Dichloroethane-d4	50	51.3	103	81	118
		Dibromofluoromethane	50	50.8	102	80	119

Surrogate Summary

SDG No.: **Q2299**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2299-13	RE131D2-20250610	Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
Q2299-14	DUP02-20250610	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114
Q2299-15	TT174I1-20250610	1,2-Dichloroethane-d4	50	54.7	109	81	118
		Dibromofluoromethane	50	51.8	104	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	49.1	98	85	114
Q2299-16	RE134D4-20250610	1,2-Dichloroethane-d4	50	55.2	110	81	118
		Dibromofluoromethane	50	52.1	104	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
Q2299-16DL	RE134D4-20250610DL	1,2-Dichloroethane-d4	50	46.6	93	81	118
		Dibromofluoromethane	50	49.4	99	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	48.4	97	85	114
Q2299-17	RE134D3-20250610	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	51.8	104	80	119
		Toluene-d8	50	52.5	105	89	112
		4-Bromofluorobenzene	50	49.4	99	85	114
Q2299-17DL	RE134D3-20250610DL	1,2-Dichloroethane-d4	50	47.9	96	81	118
		Dibromofluoromethane	50	49.7	99	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	49.9	100	85	114
Q2299-18	TT190D1-20250611	1,2-Dichloroethane-d4	50	52.2	104	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114
Q2299-18DL	TT190D1-20250611DL	1,2-Dichloroethane-d4	50	48.3	97	81	118
		Dibromofluoromethane	50	49.7	99	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
Q2299-19	RW11-MW01I-20250611	1,2-Dichloroethane-d4	50	51.2	102	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	48.8	98	85	114
Q2299-20	RW11-MW01S-20250611	1,2-Dichloroethane-d4	50	53.8	108	81	118
		Dibromofluoromethane	50	51.8	104	80	119
		Toluene-d8	50	52.7	105	89	112
		4-Bromofluorobenzene	50	49.9	100	85	114
Q2299-21	RE134D1-20250611	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114
Q2299-22	TT190D2-20250611	1,2-Dichloroethane-d4	50	53.7	107	81	118
		Dibromofluoromethane	50	50.4	101	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	49.1	98	85	114

Surrogate Summary

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0616WBL01	VN0616WBL01	1,2-Dichloroethane-d4	50	50.4	101	81	118
		Dibromofluoromethane	50	50.4	101	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
VN0616WBS01	VN0616WBS01	1,2-Dichloroethane-d4	50	43.0	86	81	118
		Dibromofluoromethane	50	47.6	95	80	119
		Toluene-d8	50	45.4	91	89	112
		4-Bromofluorobenzene	50	46.1	92	85	114
VN0617WBL01	VN0617WBL01	1,2-Dichloroethane-d4	50	55.2	110	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	53.3	107	89	112
		4-Bromofluorobenzene	50	50.1	100	85	114
VN0617WBS01	VN0617WBS01	1,2-Dichloroethane-d4	50	48.7	97	81	118
		Dibromofluoromethane	50	52.2	104	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	51.8	104	85	114
VN0618WBL01	VN0618WBL01	1,2-Dichloroethane-d4	50	52.5	105	81	118
		Dibromofluoromethane	50	50.7	101	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
VN0618WBS01	VN0618WBS01	1,2-Dichloroethane-d4	50	48.3	97	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
Lab Sample ID :	Q2299-04MSD	Client Sample ID :	TT191D1-20250609MSD					Datafile :	VN087071.D		
Dichlorodifluoromethane	50	1.20	52.9	ug/L	103		2		32	152	20
Chloromethane	50	0	44.8	ug/L	90		2		50	139	20
Vinyl chloride	50	0	55.7	ug/L	111		3		58	137	20
Bromomethane	50	0	49.2	ug/L	98		2		53	141	20
Chloroethane	50	0	54.2	ug/L	108		2		60	138	20
Trichlorofluoromethane	50	0	53.4	ug/L	107		1		65	141	20
1,1,2-Trichlorotrifluoroethane	50	2.10	53.0	ug/L	102		0		70	136	20
1,1-Dichloroethene	50	0	54.0	ug/L	108		0		71	131	20
Acetone	250	0	220	ug/L	88		4		39	160	20
Carbon disulfide	50	0	55.6	ug/L	111		1		64	133	20
Methyl tert-butyl Ether	50	0	50.1	ug/L	100		1		71	124	20
Methyl Acetate	50	0	37.1	ug/L	74		9		56	136	20
Methylene Chloride	50	0	50.3	ug/L	101		0		74	124	20
trans-1,2-Dichloroethene	50	0	51.8	ug/L	104		0		75	124	20
1,1-Dichloroethane	50	0	51.4	ug/L	103		1		77	125	20
Cyclohexane	50	0	44.6	ug/L	89		2		71	130	20
2-Butanone	250	0	230	ug/L	92		0		56	143	20
Carbon Tetrachloride	50	0	51.8	ug/L	104		2		72	136	20
cis-1,2-Dichloroethene	50	0	52.3	ug/L	105		1		78	123	20
Bromochloromethane	50	0	43.6	ug/L	87		5		78	123	20
Chloroform	50	0	51.3	ug/L	103		2		79	124	20
1,1,1-Trichloroethane	50	0	50.0	ug/L	100		3		74	131	20
Methylcyclohexane	50	0	41.4	ug/L	83		1		72	132	20
Benzene	50	0	51.7	ug/L	103		0		79	120	20
1,2-Dichloroethane	50	0	50.5	ug/L	101		2		73	128	20
Trichloroethene	50	11.1	67.6	ug/L	113		9		79	123	20
1,2-Dichloropropane	50	0	50.9	ug/L	102		1		78	122	20
Bromodichloromethane	50	0	51.2	ug/L	102		1		79	125	20
4-Methyl-2-Pentanone	250	0	240	ug/L	96		4		67	130	20
Toluene	50	0	52.1	ug/L	104		1		80	121	20
t-1,3-Dichloropropene	50	0	50.5	ug/L	101		1		73	127	20
cis-1,3-Dichloropropene	50	0	50.0	ug/L	100		1		75	124	20
1,1,2-Trichloroethane	50	0	52.0	ug/L	104		1		80	119	20
2-Hexanone	250	0	240	ug/L	96		8		57	139	20
Dibromochloromethane	50	0	53.6	ug/L	107		1		74	126	20
1,2-Dibromoethane	50	0	51.8	ug/L	104		2		77	121	20
Tetrachloroethene	50	0	48.9	ug/L	98		0		74	129	20
Chlorobenzene	50	0	52.0	ug/L	104		2		82	118	20
Ethyl Benzene	50	0	49.8	ug/L	100		1		79	121	20
m/p-Xylenes	100	0	100	ug/L	100		0		80	121	20
o-Xylene	50	0	52.4	ug/L	105		1		78	122	20
Styrene	50	0	52.1	ug/L	104		1		78	123	20
Bromoform	50	0	54.6	ug/L	109		0		66	130	20
Isopropylbenzene	50	0	48.5	ug/L	97		2		72	131	20
1,1,2,2-Tetrachloroethane	50	0	51.5	ug/L	103		3		71	121	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
1,3-Dichlorobenzene	50	0	50.9	ug/L	102		2		80	119	20
1,4-Dichlorobenzene	50	0	50.7	ug/L	101		2		79	118	20
1,2-Dichlorobenzene	50	0	50.4	ug/L	101		1		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	48.2	ug/L	96		4		62	128	20
1,2,4-Trichlorobenzene	50	0	43.1	ug/L	86		3		69	130	20
1,2,3-Trichlorobenzene	50	0	42.4	ug/L	85		4		69	129	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
Lab Sample ID :	Q2299-03MS	Client Sample ID :	TT191D1-20250609MS						Datafile :	VN087096.D	
Dichlorodifluoromethane	50	1.20	51.5	ug/L	101				32	152	
Chloromethane	50	0	45.6	ug/L	91				50	139	
Vinyl chloride	50	0	54.2	ug/L	108				58	137	
Bromomethane	50	0	48.2	ug/L	96				53	141	
Chloroethane	50	0	55.2	ug/L	110				60	138	
Trichlorofluoromethane	50	0	53.8	ug/L	108				65	141	
1,1,2-Trichlorotrifluoroethane	50	2.10	53.1	ug/L	102				70	136	
1,1-Dichloroethene	50	0	53.8	ug/L	108				71	131	
Acetone	250	0	230	ug/L	92				39	160	
Carbon disulfide	50	0	55.2	ug/L	110				64	133	
Methyl tert-butyl Ether	50	0	50.7	ug/L	101				71	124	
Methyl Acetate	50	0	40.7	ug/L	81				56	136	
Methylene Chloride	50	0	50.4	ug/L	101				74	124	
trans-1,2-Dichloroethene	50	0	51.6	ug/L	103				75	124	
1,1-Dichloroethane	50	0	52.1	ug/L	104				77	125	
Cyclohexane	50	0	45.3	ug/L	91				71	130	
2-Butanone	250	0	230	ug/L	92				56	143	
Carbon Tetrachloride	50	0	52.9	ug/L	106				72	136	
cis-1,2-Dichloroethene	50	0	51.8	ug/L	104				78	123	
Bromochloromethane	50	0	45.9	ug/L	92				78	123	
Chloroform	50	0	52.1	ug/L	104				79	124	
1,1,1-Trichloroethane	50	0	51.6	ug/L	103				74	131	
Methylcyclohexane	50	0	41.8	ug/L	84				72	132	
Benzene	50	0	51.5	ug/L	103				79	120	
1,2-Dichloroethane	50	0	51.6	ug/L	103				73	128	
Trichloroethene	50	11.1	62.7	ug/L	103				79	123	
1,2-Dichloropropane	50	0	51.5	ug/L	103				78	122	
Bromodichloromethane	50	0	51.7	ug/L	103				79	125	
4-Methyl-2-Pentanone	250	0	250	ug/L	100				67	130	
Toluene	50	0	51.8	ug/L	104				80	121	
t-1,3-Dichloropropene	50	0	51.2	ug/L	102				73	127	
cis-1,3-Dichloropropene	50	0	50.4	ug/L	101				75	124	
1,1,2-Trichloroethane	50	0	51.4	ug/L	103				80	119	
2-Hexanone	250	0	260	ug/L	104				57	139	
Dibromochloromethane	50	0	54.2	ug/L	108				74	126	
1,2-Dibromoethane	50	0	52.6	ug/L	105				77	121	
Tetrachloroethene	50	0	48.7	ug/L	97				74	129	
Chlorobenzene	50	0	51.2	ug/L	102				82	118	
Ethyl Benzene	50	0	49.4	ug/L	99				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	51.5	ug/L	103				78	123	
Bromoform	50	0	54.8	ug/L	110				66	130	
Isopropylbenzene	50	0	47.7	ug/L	95				72	131	
1,1,2,2-Tetrachloroethane	50	0	50.1	ug/L	100				71	121	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	50.1	ug/L	100				80	119	
1,4-Dichlorobenzene	50	0	49.6	ug/L	99				79	118	
1,2-Dichlorobenzene	50	0	50.1	ug/L	100				80	119	
1,2-Dibromo-3-Chloropropane	50	0	46.2	ug/L	92				62	128	
1,2,4-Trichlorobenzene	50	0	41.7	ug/L	83				69	130	
1,2,3-Trichlorobenzene	50	0	40.9	ug/L	82				69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087020.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0616WBS01	Dichlorodifluoromethane	20	19.0	ug/L	95			32	152	
	Chloromethane	20	15.5	ug/L	78			50	139	
	Vinyl chloride	20	19.9	ug/L	100			58	137	
	Bromomethane	20	13.7	ug/L	69			53	141	
	Chloroethane	20	19.1	ug/L	96			60	138	
	Trichlorofluoromethane	20	19.2	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.9	ug/L	95			70	136	
	1,1-Dichloroethene	20	19.1	ug/L	96			71	131	
	Acetone	100	77.7	ug/L	78			39	160	
	Carbon disulfide	20	20.8	ug/L	104			64	133	
	Methyl tert-butyl Ether	20	17.8	ug/L	89			71	124	
	Methyl Acetate	20	14.2	ug/L	71			56	136	
	Methylene Chloride	20	17.8	ug/L	89			74	124	
	trans-1,2-Dichloroethene	20	18.9	ug/L	95			75	124	
	1,1-Dichloroethane	20	18.4	ug/L	92			77	125	
	Cyclohexane	20	17.5	ug/L	88			71	130	
	2-Butanone	100	80.1	ug/L	80			56	143	
	Carbon Tetrachloride	20	18.7	ug/L	94			72	136	
	cis-1,2-Dichloroethene	20	18.6	ug/L	93			78	123	
	Bromochloromethane	20	17.1	ug/L	86			78	123	
	Chloroform	20	18.3	ug/L	92			79	124	
	1,1,1-Trichloroethane	20	18.0	ug/L	90			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	19.2	ug/L	96			79	120	
	1,2-Dichloroethane	20	18.3	ug/L	92			73	128	
	Trichloroethene	20	19.4	ug/L	97			79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	18.8	ug/L	94			79	125	
	4-Methyl-2-Pentanone	100	85.8	ug/L	86			67	130	
	Toluene	20	19.1	ug/L	96			80	121	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			73	127	
	cis-1,3-Dichloropropene	20	18.7	ug/L	94			75	124	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			80	119	
	2-Hexanone	100	77.8	ug/L	78			57	139	
	Dibromochloromethane	20	19.3	ug/L	97			74	126	
	1,2-Dibromoethane	20	18.6	ug/L	93			77	121	
	Tetrachloroethene	20	19.2	ug/L	96			74	129	
	Chlorobenzene	20	19.4	ug/L	97			82	118	
	Ethyl Benzene	20	18.6	ug/L	93			79	121	
	m/p-Xylenes	40	38.8	ug/L	97			80	121	
	o-Xylene	20	19.5	ug/L	98			78	122	
	Styrene	20	19.0	ug/L	95			78	123	
	Bromoform	20	19.9	ug/L	100			66	130	
	Isopropylbenzene	20	17.7	ug/L	89			72	131	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			71	121	
	1,3-Dichlorobenzene	20	18.3	ug/L	92			80	119	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	18.6	ug/L	93			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087020.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0616WBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/L	85			62	128	
	1,2,4-Trichlorobenzene	20	16.9	ug/L	85			69	130	
	1,2,3-Trichlorobenzene	20	16.0	ug/L	80			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0617WBS01	Dichlorodifluoromethane	20	20.3	ug/L	102			32	152	
	Chloromethane	20	17.7	ug/L	89			50	139	
	Vinyl chloride	20	21.5	ug/L	108			58	137	
	Bromomethane	20	20.1	ug/L	101			53	141	
	Chloroethane	20	21.6	ug/L	108			60	138	
	Trichlorofluoromethane	20	21.1	ug/L	106			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/L	104			70	136	
	1,1-Dichloroethene	20	21.7	ug/L	109			71	131	
	Acetone	100	88.8	ug/L	89			39	160	
	Carbon disulfide	20	22.1	ug/L	111			64	133	
	Methyl tert-butyl Ether	20	19.8	ug/L	99			71	124	
	Methyl Acetate	20	16.2	ug/L	81			56	136	
	Methylene Chloride	20	20.0	ug/L	100			74	124	
	trans-1,2-Dichloroethene	20	21.0	ug/L	105			75	124	
	1,1-Dichloroethane	20	20.5	ug/L	103			77	125	
	Cyclohexane	20	18.7	ug/L	94			71	130	
	2-Butanone	100	88.2	ug/L	88			56	143	
	Carbon Tetrachloride	20	20.9	ug/L	104			72	136	
	cis-1,2-Dichloroethene	20	20.7	ug/L	104			78	123	
	Bromochloromethane	20	17.7	ug/L	89			78	123	
	Chloroform	20	20.1	ug/L	101			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	17.2	ug/L	86			72	132	
	Benzene	20	20.9	ug/L	104			79	120	
	1,2-Dichloroethane	20	21.0	ug/L	105			73	128	
	Trichloroethene	20	21.4	ug/L	107			79	123	
	1,2-Dichloropropane	20	20.7	ug/L	104			78	122	
	Bromodichloromethane	20	21.0	ug/L	105			79	125	
	4-Methyl-2-Pentanone	100	93.1	ug/L	93			67	130	
	Toluene	20	21.4	ug/L	107			80	121	
	t-1,3-Dichloropropene	20	21.2	ug/L	106			73	127	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			75	124	
	1,1,2-Trichloroethane	20	21.4	ug/L	107			80	119	
	2-Hexanone	100	85.4	ug/L	85			57	139	
	Dibromochloromethane	20	21.1	ug/L	106			74	126	
	1,2-Dibromoethane	20	21.1	ug/L	106			77	121	
	Tetrachloroethene	20	20.5	ug/L	103			74	129	
	Chlorobenzene	20	21.3	ug/L	106			82	118	
	Ethyl Benzene	20	20.2	ug/L	101			79	121	
	m/p-Xylenes	40	42.4	ug/L	106			80	121	
	o-Xylene	20	21.6	ug/L	108			78	122	
	Styrene	20	21.9	ug/L	110			78	123	
	Bromoform	20	21.6	ug/L	108			66	130	
	Isopropylbenzene	20	20.5	ug/L	103			72	131	
	1,1,2,2-Tetrachloroethane	20	21.5	ug/L	108			71	121	
	1,3-Dichlorobenzene	20	21.2	ug/L	106			80	119	
	1,4-Dichlorobenzene	20	20.9	ug/L	104			79	118	
	1,2-Dichlorobenzene	20	21.5	ug/L	108			80	119	



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0617WBS01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/L	98			62	128	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			69	130	
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087077.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0618WBS01	Dichlorodifluoromethane	20	19.6	ug/L	98			32	152	
	Chloromethane	20	16.9	ug/L	85			50	139	
	Vinyl chloride	20	20.3	ug/L	102			58	137	
	Bromomethane	20	18.6	ug/L	93			53	141	
	Chloroethane	20	20.4	ug/L	102			60	138	
	Trichlorofluoromethane	20	20.3	ug/L	102			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70	136	
	1,1-Dichloroethene	20	20.1	ug/L	101			71	131	
	Acetone	100	82.9	ug/L	83			39	160	
	Carbon disulfide	20	20.6	ug/L	103			64	133	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			71	124	
	Methyl Acetate	20	15.5	ug/L	78			56	136	
	Methylene Chloride	20	19.0	ug/L	95			74	124	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			75	124	
	1,1-Dichloroethane	20	19.1	ug/L	96			77	125	
	Cyclohexane	20	17.8	ug/L	89			71	130	
	2-Butanone	100	85.3	ug/L	85			56	143	
	Carbon Tetrachloride	20	20.0	ug/L	100			72	136	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			78	123	
	Bromochloromethane	20	17.1	ug/L	86			78	123	
	Chloroform	20	18.9	ug/L	95			79	124	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			74	131	
	Methylcyclohexane	20	17.2	ug/L	86			72	132	
	Benzene	20	19.9	ug/L	100			79	120	
	1,2-Dichloroethane	20	19.2	ug/L	96			73	128	
	Trichloroethene	20	20.1	ug/L	101			79	123	
	1,2-Dichloropropane	20	19.6	ug/L	98			78	122	
	Bromodichloromethane	20	19.4	ug/L	97			79	125	
	4-Methyl-2-Pentanone	100	91.0	ug/L	91			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	19.2	ug/L	96			73	127	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			75	124	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			80	119	
	2-Hexanone	100	83.9	ug/L	84			57	139	
	Dibromochloromethane	20	20.3	ug/L	102			74	126	
	1,2-Dibromoethane	20	20.2	ug/L	101			77	121	
	Tetrachloroethene	20	19.8	ug/L	99			74	129	
	Chlorobenzene	20	20.1	ug/L	101			82	118	
	Ethyl Benzene	20	19.2	ug/L	96			79	121	
	m/p-Xylenes	40	39.7	ug/L	99			80	121	
	o-Xylene	20	19.6	ug/L	98			78	122	
	Styrene	20	19.8	ug/L	99			78	123	
	Bromoform	20	21.0	ug/L	105			66	130	
	Isopropylbenzene	20	18.4	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/L	98			71	121	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			80	119	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			79	118	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VN087077.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0618WBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/L	89			62	128	
	1,2,4-Trichlorobenzene	20	16.8	ug/L	84			69	130	
	1,2,3-Trichlorobenzene	20	16.3	ug/L	81			69	129	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0616WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2299

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: VN087019.D

Lab Sample ID: VN0616WBL01

Date Analyzed: 06/16/2025

Time Analyzed: 10:43

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0616WBS01	VN0616WBS01	VN087020.D	06/16/2025
RE117D1-20250609	Q2299-01	VN087023.D	06/16/2025
TT191D2-20250609	Q2299-06	VN087024.D	06/16/2025
RW10-MW01S-20250609	Q2299-07	VN087025.D	06/16/2025
RW10-MW01D-20250609	Q2299-08	VN087026.D	06/16/2025
RW10A-MW01S-20250609	Q2299-09	VN087027.D	06/16/2025
RW10A-MW01I-20250609	Q2299-10	VN087028.D	06/16/2025
TT158I1-20250610	Q2299-11	VN087029.D	06/16/2025
DUP01-20250610	Q2299-12	VN087030.D	06/16/2025
RE131D2-20250610	Q2299-13	VN087031.D	06/16/2025
DUP02-20250610	Q2299-14	VN087032.D	06/16/2025
TT174I1-20250610	Q2299-15	VN087033.D	06/16/2025
RE134D4-20250610	Q2299-16	VN087034.D	06/16/2025
RE134D3-20250610	Q2299-17	VN087035.D	06/16/2025
TT190D1-20250611	Q2299-18	VN087036.D	06/16/2025
RW11-MW01I-20250611	Q2299-19	VN087037.D	06/16/2025
RW11-MW01S-20250611	Q2299-20	VN087038.D	06/16/2025
RE134D1-20250611	Q2299-21	VN087039.D	06/16/2025
TT190D2-20250611	Q2299-22	VN087040.D	06/16/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0617WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2299

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: VN087047.D

Lab Sample ID: VN0617WBL01

Date Analyzed: 06/17/2025

Time Analyzed: 10:20

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0617WBS01	VN0617WBS01	VN087051.D	06/17/2025
RE134D4-20250610DL	Q2299-16DL	VN087053.D	06/17/2025
TT190D1-20250611DL	Q2299-18DL	VN087054.D	06/17/2025
RE134D3-20250610DL	Q2299-17DL	VN087055.D	06/17/2025
TT191D1-20250609	Q2299-05	VN087069.D	06/17/2025
TT191D1-20250609MSD	Q2299-04MSD	VN087071.D	06/17/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0618WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2299

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: VN087076.D

Lab Sample ID: VN0618WBL01

Date Analyzed: 06/18/2025

Time Analyzed: 11:46

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0618WBS01	VN0618WBS01	VN087077.D	06/18/2025
RE117D2-20250609	Q2299-02	VN087080.D	06/18/2025
TT191D1-20250609MS	Q2299-03MS	VN087096.D	06/18/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
Lab File ID: VN086861.D BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_N BFB Injection Time: 07:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN086862.D	06/06/2025	12:44
VSTDIC005	VSTDIC005	VN086863.D	06/06/2025	13:17
VSTDIC020	VSTDIC020	VN086864.D	06/06/2025	13:40
VSTDIC050	VSTDIC050	VN086865.D	06/06/2025	14:03
VSTDIC100	VSTDIC100	VN086866.D	06/06/2025	14:26
VSTDIC150	VSTDIC150	VN086867.D	06/06/2025	14:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
Lab File ID: VN087016.D BFB Injection Date: 06/16/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.1
75	30.0 - 60.0% of mass 95	45.6
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	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	71.7
175	5.0 - 9.0% of mass 174	5.4 (7.6) 1
176	95.0 - 101.0% of mass 174	70.4 (98.2) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087017.D	06/16/2025	09:48
VN0616WBL01	VN0616WBL01	VN087019.D	06/16/2025	10:43
VN0616WBS01	VN0616WBS01	VN087020.D	06/16/2025	11:04
RE117D1-20250609	Q2299-01	VN087023.D	06/16/2025	12:22
TT191D2-20250609	Q2299-06	VN087024.D	06/16/2025	12:43
RW10-MW01S-20250609	Q2299-07	VN087025.D	06/16/2025	13:04
RW10-MW01D-20250609	Q2299-08	VN087026.D	06/16/2025	13:25
RW10A-MW01S-20250609	Q2299-09	VN087027.D	06/16/2025	13:47
RW10A-MW01I-20250609	Q2299-10	VN087028.D	06/16/2025	14:08
TT158I1-20250610	Q2299-11	VN087029.D	06/16/2025	14:29
DUP01-20250610	Q2299-12	VN087030.D	06/16/2025	14:50
RE131D2-20250610	Q2299-13	VN087031.D	06/16/2025	15:12
DUP02-20250610	Q2299-14	VN087032.D	06/16/2025	15:33
TT174I1-20250610	Q2299-15	VN087033.D	06/16/2025	15:54
RE134D4-20250610	Q2299-16	VN087034.D	06/16/2025	16:15
RE134D3-20250610	Q2299-17	VN087035.D	06/16/2025	16:37
TT190D1-20250611	Q2299-18	VN087036.D	06/16/2025	16:58
RW11-MW01I-20250611	Q2299-19	VN087037.D	06/16/2025	17:19

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
Lab File ID: VN087016.D BFB Injection Date: 06/16/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.1
75	30.0 - 60.0% of mass 95	45.6
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	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	71.7
175	5.0 - 9.0% of mass 174	5.4 (7.6) 1
176	95.0 - 101.0% of mass 174	70.4 (98.2) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
RW11-MW01S-20250611	Q2299-20	VN087038.D	06/16/2025	17:41
RE134D1-20250611	Q2299-21	VN087039.D	06/16/2025	18:02
TT190D2-20250611	Q2299-22	VN087040.D	06/16/2025	18:24
VSTDCCC050EC	VSTDCCC050	VN087043.D	06/16/2025	19:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
Lab File ID: VN087044.D BFB Injection Date: 06/17/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:51
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.6
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	70.3 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087045.D	06/17/2025	09:25
VN0617WBL01	VN0617WBL01	VN087047.D	06/17/2025	10:20
VN0617WBS01	VN0617WBS01	VN087051.D	06/17/2025	11:59
RE134D4-20250610DL	Q2299-16DL	VN087053.D	06/17/2025	12:56
TT190D1-20250611DL	Q2299-18DL	VN087054.D	06/17/2025	13:18
RE134D3-20250610DL	Q2299-17DL	VN087055.D	06/17/2025	13:39
TT191D1-20250609	Q2299-05	VN087069.D	06/17/2025	18:39
TT191D1-20250609MSD	Q2299-04MSD	VN087071.D	06/17/2025	19:22
VSTDCCC050EC	VSTDCCC050	VN087072.D	06/17/2025	19:43

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
Lab File ID: VN087073.D BFB Injection Date: 06/18/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:43
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.1
75	30.0 - 60.0% of mass 95	46.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	69.7
175	5.0 - 9.0% of mass 174	5.3 (7.6) 1
176	95.0 - 101.0% of mass 174	68.3 (98) 1
177	5.0 - 9.0% of mass 176	5 (7.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087074.D	06/18/2025	10:21
VN0618WBL01	VN0618WBL01	VN087076.D	06/18/2025	11:46
VN0618WBS01	VN0618WBS01	VN087077.D	06/18/2025	12:07
RE117D2-20250609	Q2299-02	VN087080.D	06/18/2025	13:13
TT191D1-20250609MS	Q2299-03MS	VN087096.D	06/18/2025	19:00
VSTDCCC050EC	VSTDCCC050	VN087098.D	06/18/2025	19:42



Lab Name:	<u>CHEMTECH</u>	Contract:	<u>AECO15</u>				
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2299</u>	SAS No.:	<u>Q2299</u>	SDG NO.:	<u>Q2299</u>
Lab File ID:	<u>VN087017.D</u>	Date Analyzed:	<u>06/16/2025</u>				
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>09:48</u>				
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u>	(mm)	Heated Purge:	<u>(Y/N)</u>	<u>N</u>

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	190027	8.23	334516	9.11	287112	11.87
UPPER LIMIT	380054	8.73	669032	9.606	574224	12.365
LOWER LIMIT	95013.5	7.73	167258	8.606	143556	11.365
EPA SAMPLE NO.						
RE117D1-20250609	248893	8.23	491697	9.11	447651	11.87
TT191D2-20250609	210130	8.23	419506	9.11	373250	11.87
RW10-MW01S-20250609	213340	8.23	416537	9.11	374911	11.87
RW10-MW01D-20250609	291897	8.23	581111	9.11	515699	11.87
RW10A-MW01S-20250609	204665	8.24	406666	9.11	371678	11.87
RW10A-MW01I-20250609	211245	8.24	419153	9.11	374756	11.87
TT158I1-20250610	260360	8.23	512497	9.11	459773	11.87
DUP01-20250610	202159	8.24	394437	9.11	358386	11.87
RE131D2-20250610	274702	8.23	538528	9.11	482289	11.87
DUP02-20250610	301197	8.23	600709	9.11	535463	11.87
TT174I1-20250610	203501	8.23	412992	9.11	371450	11.87
RE134D4-20250610	201975	8.23	409116	9.11	370070	11.87
RE134D3-20250610	194213	8.24	382353	9.11	344228	11.87
TT190D1-20250611	278563	8.23	553254	9.11	491886	11.87
RW11-MW01I-20250611	254338	8.23	501551	9.11	446146	11.87
RW11-MW01S-20250611	278071	8.24	562910	9.11	508781	11.87
RE134D1-20250611	205063	8.24	411667	9.11	371283	11.87
TT190D2-20250611	194784	8.23	389919	9.11	348469	11.87
VN0616WBL01	283331	8.23	556820	9.11	493060	11.87
VN0616WBS01	198479	8.23	351201	9.11	304875	11.87

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
 Lab File ID: VN087017.D Date Analyzed: 06/16/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:48
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	190027	8.23	334516	9.11	287112	11.87
UPPER LIMIT	380054	8.73	669032	9.606	574224	12.365
LOWER LIMIT	95013.5	7.73	167258	8.606	143556	11.365
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>CHEMTECH</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2299</u>
		SAS No.:	<u>Q2299</u>
		SDG NO.:	<u>Q2299</u>
Lab File ID:	<u>VN087017.D</u>	Date Analyzed:	<u>06/16/2025</u>
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>09:48</u>
GC Column:	<u>RXI-624</u>	Heated Purge:	<u>(Y/N) N</u>
ID:	<u>0.25 (mm)</u>		

	IS4 AREA #	RT #				
12 HOUR STD	143033	13.788				
UPPER LIMIT	286066	14.288				
LOWER LIMIT	71516.5	13.288				
EPA SAMPLE NO.						
RE117D1-20250609	215929	13.79				
TT191D2-20250609	177105	13.79				
RW10-MW01S-20250609	175863	13.79				
RW10-MW01D-20250609	249769	13.79				
RW10A-MW01S-20250609	176246	13.79				
RW10A-MW01I-20250609	175252	13.79				
TT158I1-20250610	216825	13.79				
DUP01-20250610	168181	13.79				
RE131D2-20250610	227199	13.79				
DUP02-20250610	254156	13.79				
TT174I1-20250610	175583	13.79				
RE134D4-20250610	169597	13.79				
RE134D3-20250610	162344	13.79				
TT190D1-20250611	231060	13.79				
RW11-MW01I-20250611	210117	13.79				
RW11-MW01S-20250611	240142	13.79				
RE134D1-20250611	176304	13.79				
TT190D2-20250611	163211	13.79				
VN0616WBL01	235789	13.79				
VN0616WBS01	154394	13.79				

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
 Lab File ID: VN087017.D Date Analyzed: 06/16/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:48
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	143033	13.788				
UPPER LIMIT	286066	14.288				
LOWER LIMIT	71516.5	13.288				
EPA SAMPLE NO.						

IS4 = 1,4-Dichlorobenzene-d4

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

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
Lab File ID: VN087045.D Date Analyzed: 06/17/2025
Instrument ID: MSVOA_N Time Analyzed: 09:25
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	178887	8.23	312096	9.11	278021	11.87
UPPER LIMIT	357774	8.73	624192	9.606	556042	12.365
LOWER LIMIT	89443.5	7.73	156048	8.606	139011	11.365
EPA SAMPLE NO.						
TT191D1-20250609MSD	155511	8.23	281890	9.11	247636	11.87
TT191D1-20250609	195470	8.24	400684	9.11	360806	11.87
RE134D4-20250610DL	272313	8.23	524978	9.11	453855	11.87
RE134D3-20250610DL	309321	8.23	598780	9.11	533505	11.87
TT190D1-20250611DL	312959	8.23	607082	9.11	539732	11.87
VN0617WBL01	200915	8.23	403651	9.11	368689	11.87
VN0617WBS01	157438	8.23	281588	9.11	248700	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
 Lab File ID: VN087045.D Date Analyzed: 06/17/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:25
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	137590	13.788				
UPPER LIMIT	275180	14.288				
LOWER LIMIT	68795	13.288				
EPA SAMPLE NO.						
TT191D1-20250609MSD	123202	13.79				
TT191D1-20250609	171664	13.79				
RE134D4-20250610DL	219879	13.79				
RE134D3-20250610DL	255285	13.79				
TT190D1-20250611DL	258644	13.79				
VN0617WBL01	170553	13.79				
VN0617WBS01	122529	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
Lab File ID: VN087074.D Date Analyzed: 06/18/2025
Instrument ID: MSVOA_N Time Analyzed: 10:21
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	217200	8.23	377846	9.11	330017	11.87
UPPER LIMIT	434400	8.729	755692	9.606	660034	12.365
LOWER LIMIT	108600	7.729	188923	8.606	165009	11.365
EPA SAMPLE NO.						
RE117D2-20250609	190617	8.24	387436	9.11	350863	11.87
TT191D1-20250609MS	197403	8.23	358053	9.11	319487	11.87
VN0618WBL01	270298	8.23	541331	9.11	486295	11.87
VN0618WBS01	213664	8.23	379722	9.11	333122	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299
Lab File ID: VN087074.D Date Analyzed: 06/18/2025
Instrument ID: MSVOA_N Time Analyzed: 10:21
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	164001	13.788				
UPPER LIMIT	328002	14.288				
LOWER LIMIT	82000.5	13.288				
EPA SAMPLE NO.						
RE117D2-20250609	162324	13.79				
TT191D1-20250609MS	160634	13.79				
VN0618WBL01	227513	13.79				
VN0618WBS01	167760	13.79				

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:	VN0616WBL01		SDG No.:	Q2299
Lab Sample ID:	VN0616WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087019.D	1		06/16/25 10:43	VN061625

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:	VN0616WBL01		SDG No.:	Q2299
Lab Sample ID:	VN0616WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087019.D	1		06/16/25 10:43	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	283000	8.229				
540-36-3	1,4-Difluorobenzene	557000	9.106				
3114-55-4	Chlorobenzene-d5	493000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	236000	13.788				

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:	VN0616WBL01		SDG No.:	Q2299
Lab Sample ID:	VN0616WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087019.D	1		06/16/25 10:43	VN061625

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:	VN0617WBL01		SDG No.:	Q2299
Lab Sample ID:	VN0617WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087047.D	1		06/17/25 10:20	VN061725

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:	VN0617WBL01		SDG No.:	Q2299
Lab Sample ID:	VN0617WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087047.D	1		06/17/25 10:20	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.2		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	53.3		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	201000	8.229				
540-36-3	1,4-Difluorobenzene	404000	9.106				
3114-55-4	Chlorobenzene-d5	369000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.788				

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:	VN0617WBL01		SDG No.:	Q2299
Lab Sample ID:	VN0617WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087047.D	1		06/17/25 10:20	VN061725

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:	VN0618WBL01		SDG No.:	Q2299
Lab Sample ID:	VN0618WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087076.D	1		06/18/25 11:46	VN061825

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:	VN0618WBL01		SDG No.:	Q2299
Lab Sample ID:	VN0618WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087076.D	1		06/18/25 11:46	VN061825

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	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	270000	8.229				
540-36-3	1,4-Difluorobenzene	541000	9.106				
3114-55-4	Chlorobenzene-d5	486000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	228000	13.788				

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:	VN0618WBL01		SDG No.:	Q2299
Lab Sample ID:	VN0618WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087076.D	1		06/18/25 11:46	VN061825

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:	VN0616WBS01		SDG No.:	Q2299
Lab Sample ID:	VN0616WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087020.D	1		06/16/25 11:04	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	15.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	13.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.1		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	77.7		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	20.8		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.8		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	14.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	17.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.9		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.5		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	80.1		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.3		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	85.8		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.1		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0616WBS01		SDG No.:	Q2299
Lab Sample ID:	VN0616WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087020.D	1		06/16/25 11:04	VN061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	77.8		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.6		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.9		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.0		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.0		81 - 118		86%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	45.4		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	198000	8.229				
540-36-3	1,4-Difluorobenzene	351000	9.106				
3114-55-4	Chlorobenzene-d5	305000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.788				

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:	VN0616WBS01		SDG No.:	Q2299
Lab Sample ID:	VN0616WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087020.D	1		06/16/25 11:04	VN061625

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:	VN0617WBS01		SDG No.:	Q2299
Lab Sample ID:	VN0617WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087051.D	1		06/17/25 11:59	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	21.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	20.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.6		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.7		0.23	0.75	1.00	ug/L
67-64-1	Acetone	88.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	22.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.8		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	16.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.5		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	88.2		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.7		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.1		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	21.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.1		0.68	2.50	5.00	ug/L
108-88-3	Toluene	21.4		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0617WBS01		SDG No.:	Q2299
Lab Sample ID:	VN0617WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087051.D	1		06/17/25 11:59	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	85.4		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.1		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.5		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	20.2		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	42.4		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	21.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.9		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.5		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		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	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	8.23				
540-36-3	1,4-Difluorobenzene	282000	9.106				
3114-55-4	Chlorobenzene-d5	249000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788				

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:	VN0617WBS01		SDG No.:	Q2299
Lab Sample ID:	VN0617WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087051.D	1		06/17/25 11:59	VN061725

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:	VN0618WBS01		SDG No.:	Q2299
Lab Sample ID:	VN0618WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087077.D	1		06/18/25 12:07	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.6		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.9		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.3		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	82.9		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	20.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	15.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	85.3		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.9		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		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	19.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.4		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.0		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.0		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VN0618WBS01		SDG No.:	Q2299
Lab Sample ID:	VN0618WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087077.D	1		06/18/25 12:07	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	83.9		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.2		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.1		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.8		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.3		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	53.0		80 - 119		106%	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	214000	8.23				
540-36-3	1,4-Difluorobenzene	380000	9.106				
3114-55-4	Chlorobenzene-d5	333000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.788				

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:	VN0618WBS01		SDG No.:	Q2299
Lab Sample ID:	VN0618WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087077.D	1		06/18/25 12:07	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609MS		SDG No.:	Q2299	
Lab Sample ID:	Q2299-03MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087096.D	1		06/18/25 19:00	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	51.5		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	45.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	54.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	48.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	55.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	53.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	53.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	230		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	55.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	50.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	40.7		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	50.4		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	51.6		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	52.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	45.3		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	230		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	52.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	51.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	45.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	52.1		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	51.6		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	41.8		0.16	0.50	1.00	ug/L
71-43-2	Benzene	51.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	51.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	62.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.5		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	250		0.68	2.50	5.00	ug/L
108-88-3	Toluene	51.8		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609MS		SDG No.:	Q2299	
Lab Sample ID:	Q2299-03MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087096.D	1		06/18/25 19:00	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	51.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	51.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	260		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	54.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	52.6		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	48.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	51.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	49.4		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	51.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	47.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.1		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.1		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	50.1		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	46.2		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.7		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	40.9		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	197000	8.229				
540-36-3	1,4-Difluorobenzene	358000	9.106				
3114-55-4	Chlorobenzene-d5	319000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609MS		SDG No.:	Q2299	
Lab Sample ID:	Q2299-03MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087096.D	1		06/18/25 19:00	VN061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609MSD		SDG No.:	Q2299	
Lab Sample ID:	Q2299-04MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087071.D	1		06/17/25 19:22	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	52.9		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	44.8		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	55.7		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	49.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	54.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	53.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	54.0		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	55.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	50.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	37.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	50.3		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	51.8		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	51.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	44.6		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	230		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	51.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	52.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	43.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	51.3		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	41.4		0.16	0.50	1.00	ug/L
71-43-2	Benzene	51.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	50.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	67.6		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	51.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	240		0.68	2.50	5.00	ug/L
108-88-3	Toluene	52.1		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609MSD		SDG No.:	Q2299	
Lab Sample ID:	Q2299-04MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087071.D	1		06/17/25 19:22	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	50.5		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	52.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	240		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	53.6		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	51.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	48.9		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	52.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	49.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	100		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	52.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	52.1		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	48.5		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	51.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.7		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	50.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	48.2		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	42.4		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.6		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	43.4	*	89 - 112		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		85 - 114		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	156000	8.229				
540-36-3	1,4-Difluorobenzene	282000	9.106				
3114-55-4	Chlorobenzene-d5	248000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609MSD		SDG No.:	Q2299	
Lab Sample ID:	Q2299-04MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087071.D	1		06/17/25 19:22	VN061725

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

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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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN086862.D			RRF005 = VN086863.D		RRF020 = VN086864.D		RRF050 = VN086865.D		RRF100 = VN086866.D		RRF150 = VN086867.D	
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD					
Dichlorodifluoromethane	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.5					
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9					
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5					
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6					
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4					
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9					
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8					
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4					
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5					
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4					
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7					
Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.1					
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5					
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3					
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2					
Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.2					
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2					
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9					
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9					
Bromochloromethane	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.5					
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7					
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9					
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8					
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2					
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6					
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2					
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4					
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8					
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6					
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6					

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086862.D		RRF005 = VN086863.D		RRF020 = VN086864.D		
		RRF050 = VN086865.D		RRF100 = VN086866.D		RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dibromo-3-Chloropropane	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.3
1,2,4-Trichlorobenzene	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.8
1,2,3-Trichlorobenzene	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

* 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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/16/2025 09:48

Lab File ID: VN087017.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.569		14.03	20
Chloromethane	0.644	0.574	0.1	-10.87	20
Vinyl Chloride	0.664	0.777		17.02	20
Bromomethane	0.372	0.322		-13.44	20
Chloroethane	0.429	0.487		13.52	20
Trichlorofluoromethane	0.868	0.959		10.48	20
1,1,2-Trichlorotrifluoroethane	0.545	0.599		9.91	20
1,1-Dichloroethene	0.557	0.625		12.21	20
Acetone	0.355	0.340		-4.22	20
Carbon Disulfide	1.539	1.877		21.96	20
Methyl tert-butyl Ether	2.015	2.103		4.37	20
Methyl Acetate	1.035	0.839		-18.94	20
Methylene Chloride	0.665	0.691		3.91	20
trans-1,2-Dichloroethene	0.619	0.673		8.72	20
1,1-Dichloroethane	1.120	1.186	0.1	5.89	20
Cyclohexane	1.086	1.066		-1.84	20
2-Butanone	0.577	0.514		-10.92	20
Carbon Tetrachloride	0.433	0.476		9.93	20
cis-1,2-Dichloroethene	0.740	0.796		7.57	20
Bromochloromethane	0.550	0.487		-11.45	20
Chloroform	1.118	1.158		3.58	20
1,1,1-Trichloroethane	0.951	0.991		4.21	20
Methylcyclohexane	0.605	0.618		2.15	20
Benzene	1.444	1.587		9.9	20
1,2-Dichloroethane	0.438	0.466		6.39	20
Trichloroethene	0.342	0.388		13.45	20
1,2-Dichloropropane	0.351	0.382		8.83	20
Bromodichloromethane	0.480	0.521		8.54	20
4-Methyl-2-Pentanone	0.543	0.536		-1.29	20
Toluene	0.882	0.980		11.11	20
t-1,3-Dichloropropene	0.537	0.599		11.55	20
cis-1,3-Dichloropropene	0.574	0.646		12.54	20
1,1,2-Trichloroethane	0.340	0.364		7.06	20
2-Hexanone	0.350	0.360		2.86	20
Dibromochloromethane	0.354	0.402		13.56	20
1,2-Dibromoethane	0.348	0.384		10.35	20
Tetrachloroethene	0.316	0.360		13.92	20
Chlorobenzene	1.103	1.247	0.3	13.06	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/16/2025 09:48

Lab File ID: VN087017.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.085		9.74	20
m/p-Xylenes	0.727	0.842		15.82	20
o-Xylene	0.696	0.801		15.09	20
Styrene	1.192	1.369		14.85	20
Bromoform	0.263	0.310	0.1	17.87	20
Isopropylbenzene	3.643	3.951		8.45	20
1,1,2,2-Tetrachloroethane	1.234	1.321	0.3	7.05	20
1,3-Dichlorobenzene	1.644	1.844		12.16	20
1,4-Dichlorobenzene	1.676	1.861		11.04	20
1,2-Dichlorobenzene	1.579	1.743		10.39	20
1,2-Dibromo-3-Chloropropane	0.295	0.291		-1.36	20
1,2,4-Trichlorobenzene	1.008	1.007		-0.1	20
1,2,3-Trichlorobenzene	1.002	0.957		-4.49	20
1,2-Dichloroethane-d4	0.669	0.560		-16.29	20
Dibromofluoromethane	0.296	0.282		-4.73	20
Toluene-d8	1.173	1.051		-10.4	20
4-Bromofluorobenzene	0.436	0.397		-8.94	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/16/2025 19:49

Lab File ID: VN087043.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.611		22.44	50
Chloromethane	0.644	0.659	0.1	2.33	50
Vinyl Chloride	0.664	0.837		26.05	50
Bromomethane	0.372	0.397		6.72	50
Chloroethane	0.429	0.533		24.24	50
Trichlorofluoromethane	0.868	1.056		21.66	50
1,1,2-Trichlorotrifluoroethane	0.545	0.653		19.82	50
1,1-Dichloroethene	0.557	0.678		21.72	50
Acetone	0.355	0.368		3.66	50
Carbon Disulfide	1.539	1.992		29.43	50
Methyl tert-butyl Ether	2.015	2.394		18.81	50
Methyl Acetate	1.035	0.991		-4.25	50
Methylene Chloride	0.665	0.773		16.24	50
trans-1,2-Dichloroethene	0.619	0.729		17.77	50
1,1-Dichloroethane	1.120	1.326	0.1	18.39	50
Cyclohexane	1.086	1.164		7.18	50
2-Butanone	0.577	0.613		6.24	50
Carbon Tetrachloride	0.433	0.529		22.17	50
cis-1,2-Dichloroethene	0.740	0.882		19.19	50
Bromochloromethane	0.550	0.535		-2.73	50
Chloroform	1.118	1.303		16.55	50
1,1,1-Trichloroethane	0.951	1.097		15.35	50
Methylcyclohexane	0.605	0.644		6.45	50
Benzene	1.444	1.745		20.84	50
1,2-Dichloroethane	0.438	0.521		18.95	50
Trichloroethene	0.342	0.421		23.1	50
1,2-Dichloropropane	0.351	0.424		20.8	50
Bromodichloromethane	0.480	0.582		21.25	50
4-Methyl-2-Pentanone	0.543	0.624		14.92	50
Toluene	0.882	1.069		21.2	50
t-1,3-Dichloropropene	0.537	0.656		22.16	50
cis-1,3-Dichloropropene	0.574	0.703		22.47	50
1,1,2-Trichloroethane	0.340	0.415		22.06	50
2-Hexanone	0.350	0.420		20	50
Dibromochloromethane	0.354	0.445		25.71	50
1,2-Dibromoethane	0.348	0.434		24.71	50
Tetrachloroethene	0.316	0.376		18.99	50
Chlorobenzene	1.103	1.335	0.3	21.03	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/16/2025 19:49

Lab File ID: VN087043.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.254		18.63	50
m/p-Xylenes	0.727	0.890		22.42	50
o-Xylene	0.696	0.866		24.42	50
Styrene	1.192	1.473		23.57	50
Bromoform	0.263	0.345	0.1	31.18	50
Isopropylbenzene	3.643	4.119		13.07	50
1,1,2,2-Tetrachloroethane	1.234	1.473	0.3	19.37	50
1,3-Dichlorobenzene	1.644	1.944		18.25	50
1,4-Dichlorobenzene	1.676	1.976		17.9	50
1,2-Dichlorobenzene	1.579	1.878		18.94	50
1,2-Dibromo-3-Chloropropane	0.295	0.328		11.19	50
1,2,4-Trichlorobenzene	1.008	1.049		4.07	50
1,2,3-Trichlorobenzene	1.002	1.002		0	50
1,2-Dichloroethane-d4	0.669	0.672		0.45	50
Dibromofluoromethane	0.296	0.322		8.78	50
Toluene-d8	1.173	1.201		2.39	50
4-Bromofluorobenzene	0.436	0.459		5.28	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 09:25

Lab File ID: VN087045.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.589		18.04	20
Chloromethane	0.644	0.606	0.1	-5.9	20
Vinyl Chloride	0.664	0.787		18.52	20
Bromomethane	0.372	0.356		-4.3	20
Chloroethane	0.429	0.494		15.15	20
Trichlorofluoromethane	0.868	1.010		16.36	20
1,1,2-Trichlorotrifluoroethane	0.545	0.630		15.6	20
1,1-Dichloroethene	0.557	0.639		14.72	20
Acetone	0.355	0.377		6.2	20
Carbon Disulfide	1.539	1.891		22.87	20
Methyl tert-butyl Ether	2.015	2.142		6.3	20
Methyl Acetate	1.035	0.892		-13.82	20
Methylene Chloride	0.665	0.719		8.12	20
trans-1,2-Dichloroethene	0.619	0.683		10.34	20
1,1-Dichloroethane	1.120	1.224	0.1	9.29	20
Cyclohexane	1.086	1.096		0.92	20
2-Butanone	0.577	0.533		-7.63	20
Carbon Tetrachloride	0.433	0.499		15.24	20
cis-1,2-Dichloroethene	0.740	0.822		11.08	20
Bromochloromethane	0.550	0.446		-18.91	20
Chloroform	1.118	1.212		8.41	20
1,1,1-Trichloroethane	0.951	1.020		7.26	20
Methylcyclohexane	0.605	0.619		2.31	20
Benzene	1.444	1.635		13.23	20
1,2-Dichloroethane	0.438	0.487		11.19	20
Trichloroethene	0.342	0.394		15.2	20
1,2-Dichloropropane	0.351	0.393		11.97	20
Bromodichloromethane	0.480	0.543		13.13	20
4-Methyl-2-Pentanone	0.543	0.560		3.13	20
Toluene	0.882	1.011		14.63	20
t-1,3-Dichloropropene	0.537	0.611		13.78	20
cis-1,3-Dichloropropene	0.574	0.657		14.46	20
1,1,2-Trichloroethane	0.340	0.378		11.18	20
2-Hexanone	0.350	0.372		6.29	20
Dibromochloromethane	0.354	0.410		15.82	20
1,2-Dibromoethane	0.348	0.393		12.93	20
Tetrachloroethene	0.316	0.349		10.44	20
Chlorobenzene	1.103	1.212	0.3	9.88	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 09:25

Lab File ID: VN087045.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.062		8.53	20
m/p-Xylenes	0.727	0.826		13.62	20
o-Xylene	0.696	0.785		12.79	20
Styrene	1.192	1.347		13	20
Bromoform	0.263	0.307	0.1	16.73	20
Isopropylbenzene	3.643	3.903		7.14	20
1,1,2,2-Tetrachloroethane	1.234	1.342	0.3	8.75	20
1,3-Dichlorobenzene	1.644	1.804		9.73	20
1,4-Dichlorobenzene	1.676	1.853		10.56	20
1,2-Dichlorobenzene	1.579	1.727		9.37	20
1,2-Dibromo-3-Chloropropane	0.295	0.294		-0.34	20
1,2,4-Trichlorobenzene	1.008	0.978		-2.98	20
1,2,3-Trichlorobenzene	1.002	0.936		-6.59	20
1,2-Dichloroethane-d4	0.669	0.621		-7.18	20
Dibromofluoromethane	0.296	0.308		4.05	20
Toluene-d8	1.173	1.147		-2.22	20
4-Bromofluorobenzene	0.436	0.427		-2.06	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 19:43

Lab File ID: VN087072.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.522		4.61	50
Chloromethane	0.644	0.570	0.1	-11.49	50
Vinyl Chloride	0.664	0.724		9.04	50
Bromomethane	0.372	0.372		0	50
Chloroethane	0.429	0.461		7.46	50
Trichlorofluoromethane	0.868	0.926		6.68	50
1,1,2-Trichlorotrifluoroethane	0.545	0.565		3.67	50
1,1-Dichloroethene	0.557	0.599		7.54	50
Acetone	0.355	0.310		-12.68	50
Carbon Disulfide	1.539	1.729		12.35	50
Methyl tert-butyl Ether	2.015	2.049		1.69	50
Methyl Acetate	1.035	0.857		-17.2	50
Methylene Chloride	0.665	0.668		0.45	50
trans-1,2-Dichloroethene	0.619	0.637		2.91	50
1,1-Dichloroethane	1.120	1.150	0.1	2.68	50
Cyclohexane	1.086	0.996		-8.29	50
2-Butanone	0.577	0.516		-10.57	50
Carbon Tetrachloride	0.433	0.449		3.69	50
cis-1,2-Dichloroethene	0.740	0.774		4.59	50
Bromochloromethane	0.550	0.472		-14.18	50
Chloroform	1.118	1.142		2.15	50
1,1,1-Trichloroethane	0.951	0.961		1.05	50
Methylcyclohexane	0.605	0.525		-13.22	50
Benzene	1.444	1.486		2.91	50
1,2-Dichloroethane	0.438	0.437		-0.23	50
Trichloroethene	0.342	0.363		6.14	50
1,2-Dichloropropane	0.351	0.361		2.85	50
Bromodichloromethane	0.480	0.486		1.25	50
4-Methyl-2-Pentanone	0.543	0.513		-5.53	50
Toluene	0.882	0.916		3.86	50
t-1,3-Dichloropropene	0.537	0.548		2.05	50
cis-1,3-Dichloropropene	0.574	0.595		3.66	50
1,1,2-Trichloroethane	0.340	0.348		2.35	50
2-Hexanone	0.350	0.341		-2.57	50
Dibromochloromethane	0.354	0.380		7.34	50
1,2-Dibromoethane	0.348	0.369		6.03	50
Tetrachloroethene	0.316	0.321		1.58	50
Chlorobenzene	1.103	1.160	0.3	5.17	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 19:43

Lab File ID: VN087072.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	1.932		1.68	50
m/p-Xylenes	0.727	0.761		4.68	50
o-Xylene	0.696	0.736		5.75	50
Styrene	1.192	1.265		6.12	50
Bromoform	0.263	0.290	0.1	10.27	50
Isopropylbenzene	3.643	3.620		-0.63	50
1,1,2,2-Tetrachloroethane	1.234	1.264	0.3	2.43	50
1,3-Dichlorobenzene	1.644	1.683		2.37	50
1,4-Dichlorobenzene	1.676	1.712		2.15	50
1,2-Dichlorobenzene	1.579	1.637		3.67	50
1,2-Dibromo-3-Chloropropane	0.295	0.282		-4.41	50
1,2,4-Trichlorobenzene	1.008	0.885		-12.2	50
1,2,3-Trichlorobenzene	1.002	0.861		-14.07	50
1,2-Dichloroethane-d4	0.669	0.576		-13.9	50
Dibromofluoromethane	0.296	0.279		-5.74	50
Toluene-d8	1.173	1.030		-12.19	50
4-Bromofluorobenzene	0.436	0.389		-10.78	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/18/2025 10:21

Lab File ID: VN087074.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.516		3.41	20
Chloromethane	0.644	0.551	0.1	-14.44	20
Vinyl Chloride	0.664	0.705		6.18	20
Bromomethane	0.372	0.373		0.27	20
Chloroethane	0.429	0.449		4.66	20
Trichlorofluoromethane	0.868	0.904		4.15	20
1,1,2-Trichlorotrifluoroethane	0.545	0.568		4.22	20
1,1-Dichloroethene	0.557	0.578		3.77	20
Acetone	0.355	0.348		-1.97	20
Carbon Disulfide	1.539	1.665		8.19	20
Methyl tert-butyl Ether	2.015	1.968		-2.33	20
Methyl Acetate	1.035	0.810		-21.74	20
Methylene Chloride	0.665	0.647		-2.71	20
trans-1,2-Dichloroethene	0.619	0.624		0.81	20
1,1-Dichloroethane	1.120	1.103	0.1	-1.52	20
Cyclohexane	1.086	0.982		-9.58	20
2-Butanone	0.577	0.489		-15.25	20
Carbon Tetrachloride	0.433	0.450		3.93	20
cis-1,2-Dichloroethene	0.740	0.736		-0.54	20
Bromochloromethane	0.550	0.488		-11.27	20
Chloroform	1.118	1.081		-3.31	20
1,1,1-Trichloroethane	0.951	0.924		-2.84	20
Methylcyclohexane	0.605	0.545		-9.92	20
Benzene	1.444	1.468		1.66	20
1,2-Dichloroethane	0.438	0.435		-0.69	20
Trichloroethene	0.342	0.365		6.72	20
1,2-Dichloropropane	0.351	0.360		2.56	20
Bromodichloromethane	0.480	0.491		2.29	20
4-Methyl-2-Pentanone	0.543	0.504		-7.18	20
Toluene	0.882	0.913		3.52	20
t-1,3-Dichloropropene	0.537	0.563		4.84	20
cis-1,3-Dichloropropene	0.574	0.605		5.4	20
1,1,2-Trichloroethane	0.340	0.346		1.76	20
2-Hexanone	0.350	0.340		-2.86	20
Dibromochloromethane	0.354	0.375		5.93	20
1,2-Dibromoethane	0.348	0.363		4.31	20
Tetrachloroethene	0.316	0.325		2.85	20
Chlorobenzene	1.103	1.139	0.3	3.26	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/18/2025 10:21

Lab File ID: VN087074.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	1.933		1.74	20
m/p-Xylenes	0.727	0.764		5.09	20
o-Xylene	0.696	0.732		5.17	20
Styrene	1.192	1.262		5.87	20
Bromoform	0.263	0.290	0.1	10.27	20
Isopropylbenzene	3.643	3.597		-1.26	20
1,1,2,2-Tetrachloroethane	1.234	1.231	0.3	-0.24	20
1,3-Dichlorobenzene	1.644	1.705		3.71	20
1,4-Dichlorobenzene	1.676	1.723		2.8	20
1,2-Dichlorobenzene	1.579	1.614		2.22	20
1,2-Dibromo-3-Chloropropane	0.295	0.276		-6.44	20
1,2,4-Trichlorobenzene	1.008	0.900		-10.71	20
1,2,3-Trichlorobenzene	1.002	0.863		-13.87	20
1,2-Dichloroethane-d4	0.669	0.621		-7.18	20
Dibromofluoromethane	0.296	0.316		6.76	20
Toluene-d8	1.173	1.162		-0.94	20
4-Bromofluorobenzene	0.436	0.447		2.52	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/18/2025 19:42

Lab File ID: VN087098.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.532		6.61	50
Chloromethane	0.644	0.586	0.1	-9.01	50
Vinyl Chloride	0.664	0.742		11.75	50
Bromomethane	0.372	0.385		3.49	50
Chloroethane	0.429	0.473		10.26	50
Trichlorofluoromethane	0.868	0.960		10.6	50
1,1,2-Trichlorotrifluoroethane	0.545	0.597		9.54	50
1,1-Dichloroethene	0.557	0.608		9.16	50
Acetone	0.355	0.325		-8.45	50
Carbon Disulfide	1.539	1.739		12.99	50
Methyl tert-butyl Ether	2.015	2.066		2.53	50
Methyl Acetate	1.035	1.067		3.09	50
Methylene Chloride	0.665	0.685		3.01	50
trans-1,2-Dichloroethene	0.619	0.648		4.68	50
1,1-Dichloroethane	1.120	1.175	0.1	4.91	50
Cyclohexane	1.086	1.032		-4.97	50
2-Butanone	0.577	0.534		-7.45	50
Carbon Tetrachloride	0.433	0.464		7.16	50
cis-1,2-Dichloroethene	0.740	0.782		5.68	50
Bromochloromethane	0.550	0.510		-7.27	50
Chloroform	1.118	1.163		4.03	50
1,1,1-Trichloroethane	0.951	0.980		3.05	50
Methylcyclohexane	0.605	0.542		-10.41	50
Benzene	1.444	1.508		4.43	50
1,2-Dichloroethane	0.438	0.451		2.97	50
Trichloroethene	0.342	0.363		6.14	50
1,2-Dichloropropane	0.351	0.365		3.99	50
Bromodichloromethane	0.480	0.499		3.96	50
4-Methyl-2-Pentanone	0.543	0.534		-1.66	50
Toluene	0.882	0.940		6.58	50
t-1,3-Dichloropropene	0.537	0.552		2.79	50
cis-1,3-Dichloropropene	0.574	0.600		4.53	50
1,1,2-Trichloroethane	0.340	0.357		5	50
2-Hexanone	0.350	0.358		2.29	50
Dibromochloromethane	0.354	0.390		10.17	50
1,2-Dibromoethane	0.348	0.364		4.6	50
Tetrachloroethene	0.316	0.324		2.53	50
Chlorobenzene	1.103	1.153	0.3	4.53	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: MSVOA_N Calibration Date/Time: 06/18/2025 19:42

Lab File ID: VN087098.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	1.939		2.05	50
m/p-Xylenes	0.727	0.770		5.91	50
o-Xylene	0.696	0.743		6.75	50
Styrene	1.192	1.271		6.63	50
Bromoform	0.263	0.294	0.1	11.79	50
Isopropylbenzene	3.643	3.579		-1.76	50
1,1,2,2-Tetrachloroethane	1.234	1.250	0.3	1.3	50
1,3-Dichlorobenzene	1.644	1.670		1.58	50
1,4-Dichlorobenzene	1.676	1.718		2.51	50
1,2-Dichlorobenzene	1.579	1.620		2.6	50
1,2-Dibromo-3-Chloropropane	0.295	0.271		-8.14	50
1,2,4-Trichlorobenzene	1.008	0.875		-13.19	50
1,2,3-Trichlorobenzene	1.002	0.856		-14.57	50
1,2-Dichloroethane-d4	0.669	0.687		2.69	50
Dibromofluoromethane	0.296	0.331		11.82	50
Toluene-d8	1.173	1.212		3.33	50
4-Bromofluorobenzene	0.436	0.455		4.36	50

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

LAB CHRONICLE

OrderID:	Q2299	OrderDate:	6/12/2025 12:06:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2299-01	RE117D1-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-02	RE117D2-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-05	TT191D1-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-06	TT191D2-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-07	RW10-MW01S-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-08	RW10-MW01D-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-09	RW10A-MW01S-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-10	RW10A-MW01I-20250609	Water	SVOC-SIMGroup1	8270-Modified	06/09/25	06/13/25	06/14/25	06/11/25
Q2299-11	TT158I1-20250610	Water	SVOC-SIMGroup1	8270-Modified	06/10/25	06/13/25	06/14/25	06/11/25
Q2299-12	DUP01-20250610	Water	SVOC-SIMGroup1	8270-Modified	06/10/25	06/13/25	06/14/25	06/11/25

LAB CHRONICLE

Q2299-13	RE131D2-20250610	Water		06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	
Q2299-13DL	RE131D2-20250610DL	Water		06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/16/25	
Q2299-14	DUP02-20250610	Water		06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	
Q2299-14DL	DUP02-20250610DL	Water		06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/16/25	
Q2299-15	TT174I1-20250610	Water		06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	
Q2299-16	RE134D4-20250610	Water		06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	
Q2299-17	RE134D3-20250610	Water		06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	
Q2299-17DL	RE134D3-20250610DL	Water		06/10/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/16/25	
Q2299-18	TT190D1-20250611	Water		06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	
Q2299-19	RW11-MW01I-20250611	Water		06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	
Q2299-20	RW11-MW01S-20250611	Water		06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	
Q2299-21	RE134D1-20250611	Water		06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	
Q2299-22	TT190D2-20250611	Water		06/11/25			06/11/25
			SVOC-SIMGroup1	8270-Modified	06/13/25	06/14/25	



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

Hit Summary Sheet SW-846

SDG No.: Q2299
Client: AECOM Technical Services, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	RE117D1-20250609								
Q2299-01	RE117D1-20250609	WATER	1,4-Dioxane	0.630		0.07	0.2	0.2	ug/L
			Total Svoc :			0.63			
			Total Concentration:			0.63			
Client ID :	TT191D1-20250609								
Q2299-05	TT191D1-20250609	WATER	1,4-Dioxane	2.300	M	0.07	0.2	0.2	ug/L
			Total Svoc :			2.30			
			Total Concentration:			2.30			
Client ID :	TT191D2-20250609								
Q2299-06	TT191D2-20250609	WATER	1,4-Dioxane	0.370		0.07	0.2	0.2	ug/L
			Total Svoc :			0.37			
			Total Concentration:			0.37			
Client ID :	RW10-MW01S-20250609								
Q2299-07	RW10-MW01S-20250609	WATER	1,4-Dioxane	0.090	J	0.07	0.2	0.2	ug/L
			Total Svoc :			0.09			
			Total Concentration:			0.09			
Client ID :	RW10A-MW01S-20250609								
Q2299-09	RW10A-MW01S-20250609	WATER	1,4-Dioxane	0.150	J	0.07	0.21	0.21	ug/L
			Total Svoc :			0.15			
			Total Concentration:			0.15			
Client ID :	RE131D2-20250610								
Q2299-13	RE131D2-20250610	WATER	1,4-Dioxane	10.200	E	0.07	0.2	0.2	ug/L
			Total Svoc :			10.20			
			Total Concentration:			10.20			
Client ID :	RE131D2-20250610DL								
Q2299-13DL	RE131D2-20250610DL	WATER	1,4-Dioxane	13.200	D	0.33	1	1	ug/L
			Total Svoc :			13.20			
			Total Concentration:			13.20			
Client ID :	DUP02-20250610								
Q2299-14	DUP02-20250610	WATER	1,4-Dioxane	8.400	E	0.07	0.2	0.2	ug/L
			Total Svoc :			8.40			
			Total Concentration:			8.40			
Client ID :	DUP02-20250610DL								
Q2299-14DL	DUP02-20250610DL	WATER	1,4-Dioxane	11.100	D	0.33	1	1	ug/L
			Total Svoc :			11.10			

Hit Summary Sheet
SW-846

SDG No.: Q2299
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:			11.10					
Client ID :	TT174H1-20250610							
Q2299-15	TT174H1-20250610	WATER	1,4-Dioxane	0.600	0.07	0.2	0.2	ug/L
Total Svoc :			0.60					
Total Concentration:			0.60					
Client ID :	RE134D4-20250610							
Q2299-16	RE134D4-20250610	WATER	1,4-Dioxane	1.700	0.07	0.2	0.2	ug/L
Total Svoc :			1.70					
Total Concentration:			1.70					
Client ID :	RE134D3-20250610							
Q2299-17	RE134D3-20250610	WATER	1,4-Dioxane	6.700	E 0.07	0.2	0.2	ug/L
Total Svoc :			6.70					
Total Concentration:			6.70					
Client ID :	RE134D3-20250610DL							
Q2299-17DL	RE134D3-20250610DL	WATER	1,4-Dioxane	6.600	D 0.13	0.4	0.4	ug/L
Total Svoc :			6.60					
Total Concentration:			6.60					
Client ID :	TT190D1-20250611							
Q2299-18	TT190D1-20250611	WATER	1,4-Dioxane	1.400	0.07	0.2	0.2	ug/L
Total Svoc :			1.40					
Total Concentration:			1.40					
Client ID :	RE134D1-20250611							
Q2299-21	RE134D1-20250611	WATER	1,4-Dioxane	0.910	0.07	0.21	0.21	ug/L
Total Svoc :			0.91					
Total Concentration:			0.91					
Client ID :	TT190D2-20250611							
Q2299-22	TT190D2-20250611	WATER	1,4-Dioxane	1.300	0.07	0.2	0.2	ug/L
Total Svoc :			1.30					
Total Concentration:			1.30					



SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	RE117D1-20250609	SDG No.:	Q2299
Lab Sample ID:	Q2299-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037244.D	1	06/13/25 08:03	06/14/25 02:20	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.63		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	786	7.582				
1146-65-2	Naphthalene-d8	1980	10.361				
15067-26-2	Acenaphthene-d10	1110	14.223				
1517-22-2	Phenanthrene-d10	2090	16.983				
1719-03-5	Chrysene-d12	1830	21.179				
1520-96-3	Perylene-d12	1900	23.362				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RE117D2-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-02		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037245.D	1	06/13/25 08:03	06/14/25 02:56	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	884		7.582			
1146-65-2	Naphthalene-d8	2160		10.362			
15067-26-2	Acenaphthene-d10	1190		14.224			
1517-22-2	Phenanthrene-d10	2020		16.984			
1719-03-5	Chrysene-d12	1610		21.18			
1520-96-3	Perylene-d12	1760		23.363			

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	TT191D1-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-05		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037248.D	1	06/13/25 08:03	06/14/25 04:45	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.30	M	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		61%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		67%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		119%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	959		7.582			
1146-65-2	Naphthalene-d8	2360		10.362			
15067-26-2	Acenaphthene-d10	1260		14.224			
1517-22-2	Phenanthrene-d10	2270		16.984			
1719-03-5	Chrysene-d12	1960		21.171			
1520-96-3	Perylene-d12	2010		23.36			

U = Not Detected

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT191D2-20250609	SDG No.:	Q2299
Lab Sample ID:	Q2299-06	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037249.D	1	06/13/25 08:03	06/14/25 05:21	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.37		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.25		30 - 150		61%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.23		55 - 111		57%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.25		53 - 106		63%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	966	7.575				
1146-65-2	Naphthalene-d8	2320	10.362				
15067-26-2	Acenaphthene-d10	1240	14.224				
1517-22-2	Phenanthrene-d10	2180	16.984				
1719-03-5	Chrysene-d12	1690	21.171				
1520-96-3	Perylene-d12	1750	23.363				

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW10-MW01S-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-07		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037250.D	1	06/13/25 08:03	06/14/25 05:57	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.090	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		63%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		70%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	913		7.582			
1146-65-2	Naphthalene-d8	2260		10.361			
15067-26-2	Acenaphthene-d10	1190		14.224			
1517-22-2	Phenanthrene-d10	2140		16.971			
1719-03-5	Chrysene-d12	1780		21.171			
1520-96-3	Perylene-d12	1850		23.36			

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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:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW10-MW01D-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-08		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037251.D	1	06/13/25 08:03	06/14/25 06:33	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		62%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	978	7.582				
1146-65-2	Naphthalene-d8	2450	10.362				
15067-26-2	Acenaphthene-d10	1300	14.224				
1517-22-2	Phenanthrene-d10	2260	16.971				
1719-03-5	Chrysene-d12	1680	21.18				
1520-96-3	Perylene-d12	1690	23.36				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW10A-MW01S-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-09		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	970	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037252.D	1	06/13/25 08:03	06/14/25 07:09	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.15	J	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	58 - 132		136%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	993		7.575			
1146-65-2	Naphthalene-d8	2390		10.351			
15067-26-2	Acenaphthene-d10	1290		14.224			
1517-22-2	Phenanthrene-d10	2300		16.971			
1719-03-5	Chrysene-d12	1690		21.171			
1520-96-3	Perylene-d12	1690		23.36			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW10A-MW011-20250609		SDG No.:	Q2299
Lab Sample ID:	Q2299-10		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	970	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037253.D	1	06/13/25 08:03	06/14/25 07:46	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	U	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		117%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	968	7.575				
1146-65-2	Naphthalene-d8	2340	10.362				
15067-26-2	Acenaphthene-d10	1250	14.224				
1517-22-2	Phenanthrene-d10	2100	16.971				
1719-03-5	Chrysene-d12	1600	21.18				
1520-96-3	Perylene-d12	1650	23.363				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	TT158I1-20250610		SDG No.:	Q2299
Lab Sample ID:	Q2299-11		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037254.D	1	06/13/25 08:03	06/14/25 08:22	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		62%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.57	*	58 - 132		142%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	883		7.582			
1146-65-2	Naphthalene-d8	2220		10.361			
15067-26-2	Acenaphthene-d10	1190		14.224			
1517-22-2	Phenanthrene-d10	1990		16.971			
1719-03-5	Chrysene-d12	1560		21.18			
1520-96-3	Perylene-d12	1570		23.363			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	DUP01-20250610		SDG No.:	Q2299
Lab Sample ID:	Q2299-12		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037255.D	1	06/13/25 08:03	06/14/25 08:58	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		67%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.73	*	58 - 132		182%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	902	7.575				
1146-65-2	Naphthalene-d8	2240	10.362				
15067-26-2	Acenaphthene-d10	1190	14.224				
1517-22-2	Phenanthrene-d10	2110	16.971				
1719-03-5	Chrysene-d12	1640	21.18				
1520-96-3	Perylene-d12	1620	23.36				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RE131D2-20250610		SDG No.:	Q2299
Lab Sample ID:	Q2299-13		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037256.D	1	06/13/25 08:03	06/14/25 09:34	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	10.2	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1020	7.575				
1146-65-2	Naphthalene-d8	2390	10.362				
15067-26-2	Acenaphthene-d10	1300	14.224				
1517-22-2	Phenanthrene-d10	2220	16.971				
1719-03-5	Chrysene-d12	1840	21.18				
1520-96-3	Perylene-d12	1820	23.363				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	RE131D2-20250610DL	SDG No.:	Q2299
Lab Sample ID:	Q2299-13DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037287.D	5	06/13/25 08:03	06/16/25 12:15	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13.2	D	0.33	1.00	1.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.49		30 - 150		123%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		68%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.61	*	58 - 132		151%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	771		7.582			
1146-65-2	Naphthalene-d8	1900		10.362			
15067-26-2	Acenaphthene-d10	1100		14.224			
1517-22-2	Phenanthrene-d10	1810		16.984			
1719-03-5	Chrysene-d12	1370		21.18			
1520-96-3	Perylene-d12	1300		23.366			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	DUP02-20250610		SDG No.:	Q2299
Lab Sample ID:	Q2299-14		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037261.D	1	06/13/25 08:03	06/14/25 14:35	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	8.40	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		64%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		71%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.85	*	58 - 132		212%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	856		7.575			
1146-65-2	Naphthalene-d8	2180		10.351			
15067-26-2	Acenaphthene-d10	1130		14.224			
1517-22-2	Phenanthrene-d10	2250		16.971			
1719-03-5	Chrysene-d12	1730		21.171			
1520-96-3	Perylene-d12	1720		23.36			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	DUP02-20250610DL		SDG No.:	Q2299
Lab Sample ID:	Q2299-14DL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037288.D	5	06/13/25 08:03	06/16/25 12:51	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	11.1	D	0.33	1.00	1.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		109%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.20	*	55 - 111		49%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	1.15	*	58 - 132		288%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	691		7.582			
1146-65-2	Naphthalene-d8	1770		10.362			
15067-26-2	Acenaphthene-d10	1010		14.224			
1517-22-2	Phenanthrene-d10	1900		16.971			
1719-03-5	Chrysene-d12	1310		21.18			
1520-96-3	Perylene-d12	1240		23.366			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT174I1-20250610	SDG No.:	Q2299
Lab Sample ID:	Q2299-15	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037262.D	1	06/13/25 08:03	06/14/25 15:11	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.60		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		63%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53		58 - 132		132%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	939	7.582				
1146-65-2	Naphthalene-d8	2290	10.361				
15067-26-2	Acenaphthene-d10	1180	14.224				
1517-22-2	Phenanthrene-d10	2050	16.971				
1719-03-5	Chrysene-d12	1680	21.171				
1520-96-3	Perylene-d12	1690	23.363				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	RE134D4-20250610	SDG No.:	Q2299
Lab Sample ID:	Q2299-16	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037263.D	1	06/13/25 08:03	06/14/25 15:47	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.70		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		100%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	977	7.575				
1146-65-2	Naphthalene-d8	2440	10.351				
15067-26-2	Acenaphthene-d10	1270	14.224				
1517-22-2	Phenanthrene-d10	2240	16.971				
1719-03-5	Chrysene-d12	1760	21.18				
1520-96-3	Perylene-d12	1810	23.363				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RE134D3-20250610		SDG No.:	Q2299
Lab Sample ID:	Q2299-17		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037264.D	1	06/13/25 08:03	06/14/25 16:23	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.70	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		103%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1010	7.575				
1146-65-2	Naphthalene-d8	2460	10.351				
15067-26-2	Acenaphthene-d10	1300	14.224				
1517-22-2	Phenanthrene-d10	2300	16.971				
1719-03-5	Chrysene-d12	2030	21.171				
1520-96-3	Perylene-d12	2090	23.36				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RE134D3-20250610DL		SDG No.:	Q2299
Lab Sample ID:	Q2299-17DL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037286.D	2	06/13/25 08:03	06/16/25 11:39	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.60	D	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		110%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	929		7.575			
1146-65-2	Naphthalene-d8	2310		10.362			
15067-26-2	Acenaphthene-d10	1310		14.224			
1517-22-2	Phenanthrene-d10	2320		16.971			
1719-03-5	Chrysene-d12	1780		21.18			
1520-96-3	Perylene-d12	1750		23.36			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT190D1-20250611	SDG No.:	Q2299
Lab Sample ID:	Q2299-18	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037265.D	1	06/13/25 08:03	06/14/25 17:00	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.40		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		71%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		104%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1130	7.575				
1146-65-2	Naphthalene-d8	2840	10.351				
15067-26-2	Acenaphthene-d10	1550	14.224				
1517-22-2	Phenanthrene-d10	2840	16.971				
1719-03-5	Chrysene-d12	2560	21.171				
1520-96-3	Perylene-d12	2400	23.357				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	RW11-MW011-20250611		SDG No.:	Q2299
Lab Sample ID:	Q2299-19		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037266.D	1	06/13/25 08:03	06/14/25 17:36	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1330	7.575				
1146-65-2	Naphthalene-d8	3320	10.351				
15067-26-2	Acenaphthene-d10	1700	14.224				
1517-22-2	Phenanthrene-d10	3110	16.971				
1719-03-5	Chrysene-d12	2630	21.171				
1520-96-3	Perylene-d12	2550	23.36				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RW11-MW01S-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-20		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037267.D	1	06/13/25 08:03	06/14/25 18:12	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		72%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1400	7.575				
1146-65-2	Naphthalene-d8	3630	10.351				
15067-26-2	Acenaphthene-d10	1890	14.224				
1517-22-2	Phenanthrene-d10	3450	16.971				
1719-03-5	Chrysene-d12	2450	21.171				
1520-96-3	Perylene-d12	2250	23.363				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	RE134D1-20250611		SDG No.:	Q2299	
Lab Sample ID:	Q2299-21		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037268.D	1	06/13/25 08:03	06/14/25 18:48	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.91		0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1240	7.575				
1146-65-2	Naphthalene-d8	3140	10.351				
15067-26-2	Acenaphthene-d10	1630	14.224				
1517-22-2	Phenanthrene-d10	2960	16.971				
1719-03-5	Chrysene-d12	2280	21.171				
1520-96-3	Perylene-d12	2150	23.357				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25
Client Sample ID:	TT190D2-20250611		SDG No.:	Q2299
Lab Sample ID:	Q2299-22		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037269.D	1	06/13/25 08:03	06/14/25 19:24	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.30		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.24		55 - 111		60%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		71%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		58 - 132		125%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1250	7.575				
1146-65-2	Naphthalene-d8	3040	10.351				
15067-26-2	Acenaphthene-d10	1620	14.224				
1517-22-2	Phenanthrene-d10	2850	16.971				
1719-03-5	Chrysene-d12	2130	21.171				
1520-96-3	Perylene-d12	2000	23.36				

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

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168458BL	PB168458BL	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
PB168458BS	PB168458BS	2-Methylnaphthalene-d10	0.4	0.41	102		30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.38	94		58	132
Q2299-01	RE117D1-20250609	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.39	98		58	132
Q2299-02	RE117D2-20250609	2-Methylnaphthalene-d10	0.4	0.33	81		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.28	70		55	111
		2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q2299-03MS	TT191D1-20250609MS	2-Methylnaphthalene-d10	0.4	0.26	66		30	150
		Fluoranthene-d10	0.4	0.35	86		30	150
		Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.30	74		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
Q2299-04MSD	TT191D1-20250609MSD	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.28	69		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.43	106		58	132
Q2299-05	TT191D1-20250609	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.25	61		55	111
		2-Fluorobiphenyl	0.4	0.27	67		53	106
		Terphenyl-d14	0.4	0.48	119		58	132
Q2299-06	TT191D2-20250609	2-Methylnaphthalene-d10	0.4	0.25	61		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.23	57		55	111
		2-Fluorobiphenyl	0.4	0.25	63		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q2299-07	RW10-MW01S-20250609	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.25	63		55	111
		2-Fluorobiphenyl	0.4	0.28	70		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q2299-08	RW10-MW01D-20250609	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.25	62		55	111
		2-Fluorobiphenyl	0.4	0.31	76		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q2299-09	RW10A-MW01S-20250609	2-Methylnaphthalene-d10	0.4	0.32	79		30	150

Surrogate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2299-09	RW10A-MW01S-20250609	Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.34	86		53	106
		Terphenyl-d14	0.4	0.54	136	*	58	132
Q2299-10	RW10A-MW01I-20250609	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.32	81		55	111
		2-Fluorobiphenyl	0.4	0.36	91		53	106
Q2299-11	TT158I1-20250610	Terphenyl-d14	0.4	0.47	117		58	132
		2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.37	91		30	150
		Nitrobenzene-d5	0.4	0.25	62		55	111
Q2299-12	DUP01-20250610	2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.57	142	*	58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
Q2299-13	RE131D2-20250610	Nitrobenzene-d5	0.4	0.27	67		55	111
		2-Fluorobiphenyl	0.4	0.30	76		53	106
		Terphenyl-d14	0.4	0.73	182	*	58	132
		2-Methylnaphthalene-d10	0.4	0.33	82		30	150
Q2299-13DL	RE131D2-20250610DL	Fluoranthene-d10	0.4	0.39	96		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.35	86		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q2299-14	DUP02-20250610	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
		Fluoranthene-d10	0.4	0.49	123		30	150
		Nitrobenzene-d5	0.4	0.27	68		55	111
		2-Fluorobiphenyl	0.4	0.39	96		53	106
Q2299-14DL	DUP02-20250610DL	Terphenyl-d14	0.4	0.61	151	*	58	132
		2-Methylnaphthalene-d10	0.4	0.27	68		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.26	64		55	111
Q2299-15	TT174I1-20250610	2-Fluorobiphenyl	0.4	0.28	71		53	106
		Terphenyl-d14	0.4	0.85	212	*	58	132
		2-Methylnaphthalene-d10	0.4	0.31	76		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
Q2299-16	RE134D4-20250610	Nitrobenzene-d5	0.4	0.20	49	*	55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	1.15	288	*	58	132
		2-Methylnaphthalene-d10	0.4	0.30	74		30	150
Q2299-17	RE134D3-20250610	Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.25	63		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.53	132		58	132
Q2299-18	RE134D3-20250610	2-Methylnaphthalene-d10	0.4	0.29	74		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
Q2299-19	RE134D3-20250610	Terphenyl-d14	0.4	0.40	100		58	132
		2-Methylnaphthalene-d10	0.4	0.32	80		30	150
Q2299-20	RE134D3-20250610	Fluoranthene-d10	0.4	0.41	103		30	150

Surrogate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2299-17	RE134D3-20250610	Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.41	103		58	132
Q2299-17DL	RE134D3-20250610DL	2-Methylnaphthalene-d10	0.4	0.31	79		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.28	69		55	111
Q2299-18	TT190D1-20250611	2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.44	110		58	132
		2-Methylnaphthalene-d10	0.4	0.31	77		30	150
Q2299-19	RW11-MW01I-20250611	Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.28	71		55	111
		2-Fluorobiphenyl	0.4	0.31	79		53	106
Q2299-20	RW11-MW01S-20250611	Terphenyl-d14	0.4	0.42	104		58	132
		2-Methylnaphthalene-d10	0.4	0.33	81		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
Q2299-21	RE134D1-20250611	Nitrobenzene-d5	0.4	0.31	78		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
Q2299-22	TT190D2-20250611	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.29	72		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
		2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.28	69		55	111
		2-Fluorobiphenyl	0.4	0.31	78		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
		2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.24	60		55	111
		2-Fluorobiphenyl	0.4	0.28	71		53	106
		Terphenyl-d14	0.4	0.50	125		58	132



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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q2299
Client: AECOM Technical Services, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2299-03MS		Client Sample ID: TT191D1-20250609MS						DataFile: BN037246.D			
1,4-Dioxane	0.4	2.30	2.10	ug/L	-50	*			70	130	



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

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: Q2299
Client: AECOM Technical Services, Inc.
Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2299-04MSD	Client Sample ID:	TT191D1-20250609MSD					DataFile:	BN037247.D		
1,4-Dioxane	0.4	2.30	2.30	ug/L	0	*	200	*	70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2299

Client: AECOM Technical Services, Inc.

Analytical Method: 8270-Modified DataFile: BN037270.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168458BS	1,4-Dioxane	0.4	0.36	ug/L	90				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168458BL

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: Q2299

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: BN037241.D

Lab Sample ID: PB168458BL

Instrument ID: BNA_N

Date Extracted: 06/13/2025

Matrix: (soil/water) Water

Date Analyzed: 06/14/2025

Level: (low/med) LOW

Time Analyzed: 00:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168458BS	PB168458BS	BN037270.D	06/14/2025
RE117D1-20250609	Q2299-01	BN037244.D	06/14/2025
RE117D2-20250609	Q2299-02	BN037245.D	06/14/2025
TT191D1-20250609MS	Q2299-03MS	BN037246.D	06/14/2025
TT191D1-20250609MSD	Q2299-04MSD	BN037247.D	06/14/2025
TT191D1-20250609	Q2299-05	BN037248.D	06/14/2025
TT191D2-20250609	Q2299-06	BN037249.D	06/14/2025
RW10-MW01S-20250609	Q2299-07	BN037250.D	06/14/2025
RW10-MW01D-20250609	Q2299-08	BN037251.D	06/14/2025
RW10A-MW01S-20250609	Q2299-09	BN037252.D	06/14/2025
RW10A-MW01I-20250609	Q2299-10	BN037253.D	06/14/2025
TT158I1-20250610	Q2299-11	BN037254.D	06/14/2025
DUP01-20250610	Q2299-12	BN037255.D	06/14/2025
RE131D2-20250610	Q2299-13	BN037256.D	06/14/2025
DUP02-20250610	Q2299-14	BN037261.D	06/14/2025
TT174I1-20250610	Q2299-15	BN037262.D	06/14/2025
RE134D4-20250610	Q2299-16	BN037263.D	06/14/2025
RE134D3-20250610	Q2299-17	BN037264.D	06/14/2025
TT190D1-20250611	Q2299-18	BN037265.D	06/14/2025
RW11-MW01I-20250611	Q2299-19	BN037266.D	06/14/2025
RW11-MW01S-20250611	Q2299-20	BN037267.D	06/14/2025
RE134D1-20250611	Q2299-21	BN037268.D	06/14/2025
TT190D2-20250611	Q2299-22	BN037269.D	06/14/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: BN037223.D

DFTPP Injection Date: 06/13/2025

Instrument ID: BNA_N

DFTPP Injection Time: 11:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.1) 1
69	Mass 69 relative abundance	64.6
70	Less than 2.0% of mass 69	0.3 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	62.5
443	15.0 - 24.0% of mass 442	12.6 (20.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037225.D	06/13/2025	13:33
SSTDICC0.2	SSTDICC0.2	BN037226.D	06/13/2025	14:10
SSTDICCC0.4	SSTDICCC0.4	BN037227.D	06/13/2025	14:46
SSTDICC0.8	SSTDICC0.8	BN037228.D	06/13/2025	15:22
SSTDICC1.6	SSTDICC1.6	BN037229.D	06/13/2025	15:59
SSTDICC3.2	SSTDICC3.2	BN037230.D	06/13/2025	16:35
SSTDICC5.0	SSTDICC5.0	BN037231.D	06/13/2025	17:11
SSTDCCC0.4EC	SSTDCCC0.4	BN037238.D	06/13/2025	22:01

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: BN037239.D

DFTPP Injection Date: 06/13/2025

Instrument ID: BNA_N

DFTPP Injection Time: 23:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1) 1
69	Mass 69 relative abundance	65.4
70	Less than 2.0% of mass 69	0.4 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	8.7
442	Greater than 50% of mass 198	48.1
443	15.0 - 24.0% of mass 442	10.3 (21.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037240.D	06/13/2025	23:55
PB168458BL	PB168458BL	BN037241.D	06/14/2025	00:31
RE117D1-20250609	Q2299-01	BN037244.D	06/14/2025	02:20
RE117D2-20250609	Q2299-02	BN037245.D	06/14/2025	02:56
TT191D1-20250609MS	Q2299-03MS	BN037246.D	06/14/2025	03:32
TT191D1-20250609MSD	Q2299-04MSD	BN037247.D	06/14/2025	04:08
TT191D1-20250609	Q2299-05	BN037248.D	06/14/2025	04:45
TT191D2-20250609	Q2299-06	BN037249.D	06/14/2025	05:21
RW10-MW01S-20250609	Q2299-07	BN037250.D	06/14/2025	05:57
RW10-MW01D-20250609	Q2299-08	BN037251.D	06/14/2025	06:33
RW10A-MW01S-20250609	Q2299-09	BN037252.D	06/14/2025	07:09
RW10A-MW01I-20250609	Q2299-10	BN037253.D	06/14/2025	07:46
TT158I1-20250610	Q2299-11	BN037254.D	06/14/2025	08:22
DUP01-20250610	Q2299-12	BN037255.D	06/14/2025	08:58
RE131D2-20250610	Q2299-13	BN037256.D	06/14/2025	09:34
SSTDCCC0.4EC	SSTDCCC0.4	BN037257.D	06/14/2025	10:10

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2299

SDG NO.: Q2299

Lab File ID: BN037258.D

DFTPP Injection Date: 06/14/2025

Instrument ID: BNA_N

DFTPP Injection Time: 12:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	1 (1.5) 1
69	Mass 69 relative abundance	67.8
70	Less than 2.0% of mass 69	0.4 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	9.4
442	Greater than 50% of mass 198	60.7
443	15.0 - 24.0% of mass 442	11.1 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037259.D	06/14/2025	13:23
DUP02-20250610	Q2299-14	BN037261.D	06/14/2025	14:35
TT174I1-20250610	Q2299-15	BN037262.D	06/14/2025	15:11
RE134D4-20250610	Q2299-16	BN037263.D	06/14/2025	15:47
RE134D3-20250610	Q2299-17	BN037264.D	06/14/2025	16:23
TT190D1-20250611	Q2299-18	BN037265.D	06/14/2025	17:00
RW11-MW01I-20250611	Q2299-19	BN037266.D	06/14/2025	17:36
RW11-MW01S-20250611	Q2299-20	BN037267.D	06/14/2025	18:12
RE134D1-20250611	Q2299-21	BN037268.D	06/14/2025	18:48
TT190D2-20250611	Q2299-22	BN037269.D	06/14/2025	19:24
PB168458BS	PB168458BS	BN037270.D	06/14/2025	20:00
SSTDCCC0.4EC	SSTDCCC0.4	BN037271.D	06/14/2025	20:36

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

SAS No.: Q2299 SDG NO.: Q2299

Lab File ID: BN037283.D

DFTPP Injection Date: 06/16/2025

Instrument ID: BNA_N

DFTPP Injection Time: 09:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (0.9) 1
69	Mass 69 relative abundance	65
70	Less than 2.0% of mass 69	0.3 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	9.5
442	Greater than 50% of mass 198	59.4
443	15.0 - 24.0% of mass 442	10.3 (17.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037284.D	06/16/2025	10:23
RE134D3-20250610DL	Q2299-17DL	BN037286.D	06/16/2025	11:39
RE131D2-20250610DL	Q2299-13DL	BN037287.D	06/16/2025	12:15
DUP02-20250610DL	Q2299-14DL	BN037288.D	06/16/2025	12:51
SSTDCCC0.4EC	SSTDCCC0.4	BN037289.D	06/16/2025	13:53

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037240.D Time Analyzed: 23:55

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1101	7.582	2581	10.35	1319	14.22
UPPER LIMIT	2202	8.082	5162	10.851	2638	14.724
LOWER LIMIT	550.5	7.082	1290.5	9.851	659.5	13.724
EPA SAMPLE NO.						
01 PB168458BL	1034	7.58	2349	10.36	1253	14.24
02 RE117D1-20250609	786	7.58	1976	10.36	1112	14.22
03 RE117D2-20250609	884	7.58	2161	10.36	1194	14.22
04 TT191D1-20250609MS	952	7.58	2349	10.35	1209	14.22
05 TT191D1-20250609MSD	888	7.58	2241	10.35	1184	14.22
06 TT191D1-20250609	959	7.58	2360	10.36	1260	14.22
07 TT191D2-20250609	966	7.58	2320	10.36	1237	14.22
08 RW10-MW01S-20250609	913	7.58	2259	10.36	1194	14.22
09 RW10-MW01D-20250609	978	7.58	2447	10.36	1301	14.22
10 RW10A-MW01S-20250609	993	7.58	2388	10.35	1287	14.22
11 RW10A-MW01I-20250609	968	7.58	2339	10.36	1252	14.22
12 TT158I1-20250610	883	7.58	2223	10.36	1185	14.22
13 DUP01-20250610	902	7.58	2240	10.36	1189	14.22
14 RE131D2-20250610	1021	7.58	2392	10.36	1295	14.22

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037240.D Time Analyzed: 23:55

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2396	16.971	1787	21.171	1797	23.36
	UPPER LIMIT	4792	17.471	3574	21.671	3594	23.86
	LOWER LIMIT	1198	16.471	893.5	20.671	898.5	22.86
	EPA SAMPLE NO.						
01	PB168458BL	2010	16.98	1424	21.18	1183	23.37
02	RE117D1-20250609	2088	16.98	1833	21.18	1896	23.36
03	RE117D2-20250609	2020	16.98	1612	21.18	1755	23.36
04	TT191D1-20250609MS	2152	16.97	1734	21.17	1757	23.36
05	TT191D1-20250609MSD	2199	16.97	1956	21.17	1969	23.36
06	TT191D1-20250609	2273	16.98	1959	21.17	2013	23.36
07	TT191D2-20250609	2179	16.98	1692	21.17	1750	23.36
08	RW10-MW01S-20250609	2140	16.97	1781	21.17	1845	23.36
09	RW10-MW01D-20250609	2259	16.97	1680	21.18	1691	23.36
10	RW10A-MW01S-20250609	2304	16.97	1687	21.17	1690	23.36
11	RW10A-MW01I-20250609	2096	16.97	1604	21.18	1645	23.36
12	TT158I1-20250610	1991	16.97	1557	21.18	1567	23.36
13	DUP01-20250610	2107	16.97	1643	21.18	1624	23.36
14	RE131D2-20250610	2221	16.97	1842	21.18	1819	23.36

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/14/2025

Lab File ID: BN037259.D Time Analyzed: 13:23

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1044	7.575	2562	10.35	1268	14.22
UPPER LIMIT	2088	8.075	5124	10.851	2536	14.724
LOWER LIMIT	522	7.075	1281	9.851	634	13.724
EPA SAMPLE NO.						
01 PB168458BS	1588	7.58	3911	10.35	1944	14.22
02 DUP02-20250610	856	7.58	2177	10.35	1128	14.22
03 TT174I1-20250610	939	7.58	2285	10.36	1178	14.22
04 RE134D4-20250610	977	7.58	2442	10.35	1265	14.22
05 RE134D3-20250610	1012	7.58	2458	10.35	1295	14.22
06 TT190D1-20250611	1132	7.58	2844	10.35	1545	14.22
07 RW11-MW01I-20250611	1325	7.58	3321	10.35	1702	14.22
08 RW11-MW01S-20250611	1398	7.58	3634	10.35	1888	14.22
09 RE134D1-20250611	1239	7.58	3144	10.35	1632	14.22
10 TT190D2-20250611	1248	7.58	3038	10.35	1624	14.22

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/14/2025

Lab File ID: BN037259.D Time Analyzed: 13:23

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	2318	16.971	1702	21.171	1789	23.36
UPPER LIMIT	4636	17.471	3404	21.671	3578	23.86
LOWER LIMIT	1159	16.471	851	20.671	894.5	22.86
EPA SAMPLE NO.						
01 PB168458BS	3410	16.97	2495	21.17	2298	23.36
02 DUP02-20250610	2247	16.97	1734	21.17	1724	23.36
03 TT1741I1-20250610	2047	16.97	1682	21.17	1693	23.36
04 RE134D4-20250610	2241	16.97	1763	21.18	1807	23.36
05 RE134D3-20250610	2300	16.97	2027	21.17	2087	23.36
06 TT190D1-20250611	2840	16.97	2558	21.17	2398	23.36
07 RW11-MW01I-20250611	3112	16.97	2629	21.17	2551	23.36
08 RW11-MW01S-20250611	3453	16.97	2450	21.17	2246	23.36
09 RE134D1-20250611	2957	16.97	2278	21.17	2145	23.36
10 TT190D2-20250611	2851	16.97	2132	21.17	1996	23.36

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/16/2025

Lab File ID: BN037284.D Time Analyzed: 10:23

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1056	7.575	2600	10.35	1364	14.22
UPPER LIMIT	2112	8.075	5200	10.851	2728	14.724
LOWER LIMIT	528	7.075	1300	9.851	682	13.724
EPA SAMPLE NO.						
01 RE131D2-20250610DL	771	7.58	1898	10.36	1101	14.22
02 DUP02-20250610DL	691	7.58	1765	10.36	1009	14.22
03 RE134D3-20250610DL	929	7.58	2314	10.36	1314	14.22

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG NO.: Q2299

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/16/2025

Lab File ID: BN037284.D Time Analyzed: 10:23

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	2522	16.971	1830	21.171	1806	23.36
UPPER LIMIT	5044	17.471	3660	21.671	3612	23.86
LOWER LIMIT	1261	16.471	915	20.671	903	22.86
EPA SAMPLE NO.						
01 RE131D2-20250610DL	1810	16.98	1371	21.18	1300	23.37
02 DUP02-20250610DL	1902	16.97	1313	21.18	1237	23.37
03 RE134D3-20250610DL	2315	16.97	1782	21.18	1749	23.36

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	PB168458BL		SDG No.:	Q2299
Lab Sample ID:	PB168458BL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037241.D	1	06/13/25 08:03	06/14/25 00:31	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		98%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1030	7.582				
1146-65-2	Naphthalene-d8	2350	10.362				
15067-26-2	Acenaphthene-d10	1250	14.235				
1517-22-2	Phenanthrene-d10	2010	16.984				
1719-03-5	Chrysene-d12	1420	21.18				
1520-96-3	Perylene-d12	1180	23.369				

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:	PB168458BS		SDG No.:	Q2299
Lab Sample ID:	PB168458BS		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037270.D	1	06/13/25 08:03	06/14/25 20:00	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.36		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.41		30 - 150		102%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		94%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1590	7.575				
1146-65-2	Naphthalene-d8	3910	10.351				
15067-26-2	Acenaphthene-d10	1940	14.224				
1517-22-2	Phenanthrene-d10	3410	16.971				
1719-03-5	Chrysene-d12	2500	21.171				
1520-96-3	Perylene-d12	2300	23.36				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	06/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	06/11/25
Client Sample ID:	TT191D1-20250609MS	SDG No.:	Q2299
Lab Sample ID:	Q2299-03MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037246.D	1	06/13/25 08:03	06/14/25 03:32	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.10		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		30 - 150		66%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		74%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	952	7.575				
1146-65-2	Naphthalene-d8	2350	10.351				
15067-26-2	Acenaphthene-d10	1210	14.224				
1517-22-2	Phenanthrene-d10	2150	16.971				
1719-03-5	Chrysene-d12	1730	21.171				
1520-96-3	Perylene-d12	1760	23.363				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	06/09/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	06/11/25	
Client Sample ID:	TT191D1-20250609MSD		SDG No.:	Q2299	
Lab Sample ID:	Q2299-04MSD		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037247.D	1	06/13/25 08:03	06/14/25 04:08	PB168458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.30		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		106%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	888	7.575				
1146-65-2	Naphthalene-d8	2240	10.351				
15067-26-2	Acenaphthene-d10	1180	14.224				
1517-22-2	Phenanthrene-d10	2200	16.971				
1719-03-5	Chrysene-d12	1960	21.17				
1520-96-3	Perylene-d12	1970	23.357				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN061325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 13 18:43:34 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037225.D 0.2 =BN037226.D 0.4 =BN037227.D 0.8 =BN037228.D 1.6 =BN037229.D 3.2 =BN037230.D 5.0 =BN037231.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.683	0.525	0.535	0.549	0.515	0.486	0.549	12.56	
3)	n-Nitrosodimet...	1.357	1.277	1.208	1.295	1.232	1.134	1.250	6.18	
4) S	2-Fluorophenol	1.043	1.026	0.942	0.907	0.996	0.990	0.972	0.982	4.80
5) S	Phenol-d6	0.875	0.937	0.963	0.986	1.148	1.166	1.173	1.035	11.94
6)	bis(2-Chloroet...	0.768	0.709	0.870	0.955	1.086	1.064	1.040	0.927	16.08
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.366	0.304	0.384	0.377	0.440	0.442	0.453	0.395	13.53
9)	Naphthalene	1.186	1.153	1.133	1.109	1.208	1.161	1.159	1.158	2.83
10)	Hexachlorobuta...	0.299	0.290	0.302	0.271	0.285	0.267	0.258	0.282	5.91
11) SURR2	Methylnaphth...	0.496	0.504	0.557	0.520	0.576	0.552	0.553	0.537	5.64
12)	2-Methylnaphth...	0.631	0.634	0.704	0.699	0.769	0.746	0.745	0.704	7.77
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.126	0.146	0.171	0.171	0.188	0.183	0.178	0.166	13.42
15) S	2-Fluorobiphenyl	1.566	1.530	1.699	1.658	1.822	1.777	1.715	1.681	6.31
16)	Acenaphthylene	1.907	1.870	1.870	1.915	2.077	2.062	2.021	1.960	4.61
17)	Acenaphthene	1.242	1.209	1.240	1.230	1.341	1.318	1.277	1.265	3.87
18)	Fluorene	1.544	1.509	1.593	1.610	1.757	1.714	1.649	1.625	5.46
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.074	0.066	0.086	0.100	0.110	0.116	0.092		21.86
21)	4-Bromophenyl-...	0.248	0.248	0.244	0.256	0.278	0.276	0.273	0.261	5.65
22)	Hexachlorobenzene	0.342	0.318	0.311	0.284	0.297	0.284	0.279	0.302	7.65
23)	Atrazine	0.223	0.229	0.222	0.228	0.241	0.241	0.244	0.232	3.84
24)	Pentachlorophenol	0.139	0.124	0.137	0.154	0.162	0.171	0.148		11.86
25)	Phenanthrene	1.253	1.225	1.186	1.238	1.324	1.328	1.327	1.269	4.54
26)	Anthracene	1.094	1.079	1.080	1.138	1.221	1.257	1.261	1.161	7.13
27) SURR	Fluoranthene-d10	1.015	1.073	1.053	1.017	1.053	1.043	1.073	1.046	2.27
28)	Fluoranthene	1.470	1.508	1.412	1.449	1.509	1.510	1.537	1.485	2.94
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.850	1.740	1.962	1.849	2.016	1.892	1.854	1.881	4.74
31) S	Terphenyl-d14	0.815	0.845	0.946	0.871	0.990	0.939	0.924	0.904	6.89
32)	Benzo(a)anthra...	1.175	1.204	1.225	1.332	1.512	1.507	1.499	1.351	11.36
33)	Chrysene	1.783	1.722	1.695	1.617	1.711	1.633	1.616	1.683	3.73
34)	Bis(2-ethylhex...	1.104	1.024	1.000	1.006	0.942	0.960	1.006		5.65
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN061325.M

36)	Indeno(1,2,3-c...	1.506	1.503	1.507	1.486	1.718	1.757	1.813	1.613	8.87
37)	Benzo(b)fluora...	1.309	1.288	1.376	1.456	1.618	1.576	1.620	1.463	9.81
38)	Benzo(k)fluora...	1.835	1.503	1.628	1.667	1.757	1.704	1.728	1.689	6.24
39) C	Benzo(a)pyrene	1.271	1.208	1.234	1.298	1.407	1.382	1.413	1.316	6.42
40)	Dibenzo(a,h)an...	1.106	1.102	1.049	1.118	1.362	1.425	1.427	1.227	13.76
41)	Benzo(g,h,i)pe...	1.504	1.460	1.441	1.386	1.557	1.566	1.557	1.496	4.63

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/13/2025 23:55

Lab File ID: BN037240.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.559		4.1	20.0
Fluoranthene-d10	1.047	1.058		1.1	20.0
2-Fluorophenol	0.982	0.884		-10.0	20.0
Phenol-d6	1.035	0.970		-6.3	20.0
Nitrobenzene-d5	0.395	0.404		2.3	20.0
2-Fluorobiphenyl	1.681	1.759		4.6	20.0
2,4,6-Tribromophenol	0.166	0.171		3.0	20.0
Terphenyl-d14	0.904	0.889		-1.7	20.0
1,4-Dioxane	0.549	0.484		-11.8	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/14/2025 10:10

Lab File ID: BN037257.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.557		3.7	50.0
Fluoranthene-d10	1.047	1.058		1.1	50.0
2-Fluorophenol	0.982	0.966		-1.6	50.0
Phenol-d6	1.035	1.004		-3.0	50.0
Nitrobenzene-d5	0.395	0.401		1.5	50.0
2-Fluorobiphenyl	1.681	1.713		1.9	50.0
2,4,6-Tribromophenol	0.166	0.169		1.8	50.0
Terphenyl-d14	0.904	0.905		0.1	50.0
1,4-Dioxane	0.549	0.503		-8.4	50.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/14/2025 13:23

Lab File ID: BN037259.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.549		2.2	20.0
Fluoranthene-d10	1.047	1.028		-1.7	20.0
2-Fluorophenol	0.982	0.983		0.1	20.0
Phenol-d6	1.035	1.050		1.4	20.0
Nitrobenzene-d5	0.395	0.417		5.6	20.0
2-Fluorobiphenyl	1.681	1.791		6.5	20.0
2,4,6-Tribromophenol	0.166	0.181		9.0	20.0
Terphenyl-d14	0.904	0.907		0.3	20.0
1,4-Dioxane	0.549	0.538		-2.0	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299
 Instrument ID: BNA_N Calibration Date/Time: 06/14/2025 20:36
 Lab File ID: BN037271.D Init. Calib. Date(s): 06/13/2025 06/13/2025
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 13:33 17:11
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.576		7.3	50.0
Fluoranthene-d10	1.047	1.069		2.2	50.0
2-Fluorophenol	0.982	0.935		-4.8	50.0
Phenol-d6	1.035	1.035		0.0	50.0
Nitrobenzene-d5	0.395	0.414		4.8	50.0
2-Fluorobiphenyl	1.681	1.725		2.6	50.0
2,4,6-Tribromophenol	0.166	0.164		-1.2	50.0
Terphenyl-d14	0.904	0.930		2.9	50.0
1,4-Dioxane	0.549	0.489		-10.9	50.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/16/2025 10:23

Lab File ID: BN037284.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.560		4.3	20.0
Fluoranthene-d10	1.047	1.053		0.7	20.0
2-Fluorophenol	0.982	0.918		-6.5	20.0
Phenol-d6	1.035	1.022		-1.3	20.0
Nitrobenzene-d5	0.395	0.424		7.3	20.0
2-Fluorobiphenyl	1.681	1.751		4.2	20.0
2,4,6-Tribromophenol	0.166	0.178		7.2	20.0
Terphenyl-d14	0.904	0.946		4.6	20.0
1,4-Dioxane	0.549	0.530		-3.5	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2299 SAS No.: Q2299 SDG No.: Q2299

Instrument ID: BNA_N Calibration Date/Time: 06/16/2025 13:53

Lab File ID: BN037289.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.562		4.7	50.0
Fluoranthene-d10	1.047	1.069		2.2	50.0
2-Fluorophenol	0.982	0.975		-0.7	50.0
Phenol-d6	1.035	1.052		1.6	50.0
Nitrobenzene-d5	0.395	0.419		6.1	50.0
2-Fluorobiphenyl	1.681	1.752		4.2	50.0
2,4,6-Tribromophenol	0.166	0.186		12.0	50.0
Terphenyl-d14	0.904	0.931		3.0	50.0
1,4-Dioxane	0.549	0.534		-2.7	50.0

All other compounds must meet a minimum RRF of 0.010.