

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/20/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/21/25	
Client Sample ID:	TT188S1-20250320MS		SDG No.:	Q1629	
Lab Sample ID:	Q1629-04MS		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045467.D	1		03/26/25 14:06	VX032625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	46.4		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	40.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	40.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	46.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	43.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	46.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	54.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	47.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	280		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	34.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	54.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	71.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	49.1		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	47.9		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	52.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	46.2		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	290		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	53.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	50.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	53.5		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	55.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	55.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	48.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	49.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	58.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	53.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.4		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	56.3		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	290		0.68	2.50	5.00	ug/L
108-88-3	Toluene	51.6		0.14	0.50	1.00	ug/L

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10061-02-6	t-1,3-Dichloropropene	56.5		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	55.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	53.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	300		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	56.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	49.3		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	51.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	53.2		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	54.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	51.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	52.0		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.4		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	52.3		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	60.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	51.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	51.1		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	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	46.5		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	79800	5.544				
540-36-3	1,4-Difluorobenzene	146000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	58800	12.018				

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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