

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:	TT188S1-20250320MSD		SDG No.:	Q1629	
Lab Sample ID:	Q1629-05MSD		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
VX045468.D	1		03/26/25 14:29	VX032625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	65.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	55.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	52.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	59.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	54.7		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	57.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	63.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	57.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	300		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	52.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	58.3		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	51.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	55.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	57.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	57.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	58.0		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	310		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	61.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	56.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	49.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	59.6		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	62.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	61.0		0.16	0.50	1.00	ug/L
71-43-2	Benzene	56.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	64.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	60.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	56.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	61.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	320		0.68	2.50	5.00	ug/L
108-88-3	Toluene	59.1		0.14	0.50	1.00	ug/L

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10061-02-6	t-1,3-Dichloropropene	64.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	63.1		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	57.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	330		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	61.7		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	59.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	56.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	58.3		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	59.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	120		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	58.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	60.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	60.5		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	58.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	55.2		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	56.0		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	54.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	56.8		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	64.5		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	55.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	54.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.3		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.5	*	85 - 114		115%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	78200	5.55				
540-36-3	1,4-Difluorobenzene	142000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58600	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