

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/12/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/12/25
Client Sample ID:	BPOW6-9-20250312MSD	SDG No.:	Q1557
Lab Sample ID:	Q1557-05MSD	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
VX045337.D	1		03/18/25 19:53	VX031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	50.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	48.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	43.8		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	50.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	52.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	50.3		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	55.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	50.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	270		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	41.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	54.8		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	60.7		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	51.9		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	51.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	54.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	51.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	280		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	54.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	52.7		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	55.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	56.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	53.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	52.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	57.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	52.0		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	52.3		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	56.6		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	54.9		0.14	0.50	1.00	ug/L

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10061-02-6	t-1,3-Dichloropropene	55.6		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	55.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	55.6		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	57.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	55.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	50.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	53.7		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	54.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	54.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	57.4		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	56.3		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	54.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	53.2		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	54.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	53.1		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	54.2		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	56.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	55.3		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	54.0		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	82100	5.55				
540-36-3	1,4-Difluorobenzene	149000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	61200	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