

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	09/16/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	09/17/25	
Client Sample ID:	BPOW6-1-20250916MS		SDG No.:	Q3128	
Lab Sample ID:	Q3128-02MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047844.D	1	09/26/25 08:46	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	54.8		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	55.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	57.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	49.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	55.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	54.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	240		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	55.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	56.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	51.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	56.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	56.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	55.9		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	48.2		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	49.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	56.0		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	55.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	56.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	53.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	43.4		0.16	0.50	1.00	ug/L
71-43-2	Benzene	53.1		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	52.0		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	54.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	54.2		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	52.9		0.14	0.50	1.00	ug/L

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10061-02-6	t-1,3-Dichloropropene	47.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	46.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	55.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	280		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	55.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	56.3		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	46.9		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	50.3		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	49.2		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	99.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	50.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	50.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	52.0		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	46.8		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	46.8		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	46.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	48.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	49.9		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	47.3		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	54.1		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.544				
540-36-3	1,4-Difluorobenzene	247000	6.751				
3114-55-4	Chlorobenzene-d5	231000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	116000	12.006				

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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