

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/07/25
Client Sample ID:	RE122D2-20250305	SDG No.:	Q1531
Lab Sample ID:	Q1531-01	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
VX045187.D	100		03/10/25 11:47	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	50.0	U	21.0	50.0	100	ug/L
74-87-3	Chloromethane	50.0	U	35.0	50.0	100	ug/L
75-01-4	Vinyl Chloride	75.0	U	34.0	75.0	100	ug/L
74-83-9	Bromomethane	380	U	140	380	500	ug/L
75-00-3	Chloroethane	75.0	U	56.0	75.0	100	ug/L
75-69-4	Trichlorofluoromethane	50.0	U	34.0	50.0	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.0	U	25.0	50.0	100	ug/L
75-35-4	1,1-Dichloroethene	75.0	U	26.0	75.0	100	ug/L
67-64-1	Acetone	380	U	140	380	500	ug/L
75-15-0	Carbon Disulfide	75.0	U	32.0	75.0	100	ug/L
1634-04-4	Methyl tert-butyl Ether	50.0	U	16.0	50.0	100	ug/L
79-20-9	Methyl Acetate	75.0	U	60.0	75.0	100	ug/L
75-09-2	Methylene Chloride	50.0	U	32.0	50.0	100	ug/L
156-60-5	trans-1,2-Dichloroethene	50.0	U	25.0	50.0	100	ug/L
75-34-3	1,1-Dichloroethane	50.0	U	23.0	50.0	100	ug/L
110-82-7	Cyclohexane	250	U	160	250	500	ug/L
78-93-3	2-Butanone	250	U	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	50.0	U	25.0	50.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	75.0	U	25.0	75.0	100	ug/L
74-97-5	Bromochloromethane	50.0	U	18.0	50.0	100	ug/L
67-66-3	Chloroform	50.0	U	26.0	50.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	50.0	U	19.0	50.0	100	ug/L
108-87-2	Methylcyclohexane	50.0	U	19.0	50.0	100	ug/L
71-43-2	Benzene	50.0	U	16.0	50.0	100	ug/L
107-06-2	1,2-Dichloroethane	50.0	U	24.0	50.0	100	ug/L
79-01-6	Trichloroethene	4300		32.0	75.0	100	ug/L
78-87-5	1,2-Dichloropropane	50.0	U	19.0	50.0	100	ug/L
75-27-4	Bromodichloromethane	50.0	U	24.0	50.0	100	ug/L
108-10-1	4-Methyl-2-Pentanone	250	U	75.0	250	500	ug/L
108-88-3	Toluene	50.0	U	18.0	50.0	100	ug/L

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10061-02-6	t-1,3-Dichloropropene	50.0	U	21.0	50.0	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.0	U	18.0	50.0	100	ug/L
79-00-5	1,1,2-Trichloroethane	50.0	U	21.0	50.0	100	ug/L
591-78-6	2-Hexanone	250	U	110	250	500	ug/L
124-48-1	Dibromochloromethane	50.0	U	18.0	50.0	100	ug/L
106-93-4	1,2-Dibromoethane	50.0	U	16.0	50.0	100	ug/L
127-18-4	Tetrachloroethene	50.0	U	25.0	50.0	100	ug/L
108-90-7	Chlorobenzene	50.0	U	13.0	50.0	100	ug/L
100-41-4	Ethyl Benzene	50.0	U	16.0	50.0	100	ug/L
179601-23-1	m/p-Xylenes	100	U	31.0	100	200	ug/L
95-47-6	o-Xylene	50.0	U	14.0	50.0	100	ug/L
100-42-5	Styrene	50.0	U	16.0	50.0	100	ug/L
75-25-2	Bromoform	50.0	U	21.0	50.0	100	ug/L
98-82-8	Isopropylbenzene	50.0	U	13.0	50.0	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.0	U	27.0	50.0	100	ug/L
541-73-1	1,3-Dichlorobenzene	50.0	U	24.0	50.0	100	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	27.0	50.0	100	ug/L
95-50-1	1,2-Dichlorobenzene	50.0	U	19.0	50.0	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	75.0	U	46.0	75.0	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	50.0	U	42.0	50.0	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	75.0	U	51.0	75.0	100	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	51.1		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72000	5.55				
540-36-3	1,4-Difluorobenzene	144000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58100	12.024				

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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