

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	03/06/25	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	03/07/25	
Client Sample ID:	RE105D2-20250306DL		SDG No.:	Q1531	
Lab Sample ID:	Q1531-15DL		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
VX045249.D	40		03/12/25 15:21	VX031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.0	UD	8.40	20.0	40.0	ug/L
74-87-3	Chloromethane	20.0	UD	14.0	20.0	40.0	ug/L
75-01-4	Vinyl Chloride	30.0	UD	13.6	30.0	40.0	ug/L
74-83-9	Bromomethane	150	UD	54.4	150	200	ug/L
75-00-3	Chloroethane	30.0	UD	22.4	30.0	40.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	13.6	20.0	40.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	10.0	20.0	40.0	ug/L
75-35-4	1,1-Dichloroethene	30.0	UD	10.4	30.0	40.0	ug/L
67-64-1	Acetone	150	UD	55.6	150	200	ug/L
75-15-0	Carbon Disulfide	30.0	UD	12.8	30.0	40.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	6.40	20.0	40.0	ug/L
79-20-9	Methyl Acetate	30.0	UD	24.0	30.0	40.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	12.8	20.0	40.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	10.0	20.0	40.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	9.20	20.0	40.0	ug/L
110-82-7	Cyclohexane	100	UD	64.8	100	200	ug/L
78-93-3	2-Butanone	100	UD	52.0	100	200	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	10.0	20.0	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	30.0	UD	10.0	30.0	40.0	ug/L
74-97-5	Bromochloromethane	20.0	UD	7.20	20.0	40.0	ug/L
67-66-3	Chloroform	20.0	UD	10.4	20.0	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	7.60	20.0	40.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	7.60	20.0	40.0	ug/L
71-43-2	Benzene	20.0	UD	6.40	20.0	40.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	9.60	20.0	40.0	ug/L
79-01-6	Trichloroethene	2200	D	12.8	30.0	40.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	7.60	20.0	40.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	9.60	20.0	40.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	30.0	100	200	ug/L
108-88-3	Toluene	20.0	UD	7.20	20.0	40.0	ug/L

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10061-02-6	t-1,3-Dichloropropene	20.0	UD	8.40	20.0	40.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	7.20	20.0	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	8.40	20.0	40.0	ug/L
591-78-6	2-Hexanone	100	UD	45.2	100	200	ug/L
124-48-1	Dibromochloromethane	20.0	UD	7.20	20.0	40.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	6.40	20.0	40.0	ug/L
127-18-4	Tetrachloroethene	20.0	UD	10.0	20.0	40.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	5.20	20.0	40.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	6.40	20.0	40.0	ug/L
179601-23-1	m/p-Xylenes	40.0	UD	12.4	40.0	80.0	ug/L
95-47-6	o-Xylene	20.0	UD	5.60	20.0	40.0	ug/L
100-42-5	Styrene	20.0	UD	6.40	20.0	40.0	ug/L
75-25-2	Bromoform	20.0	UD	8.40	20.0	40.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	5.20	20.0	40.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	10.8	20.0	40.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	9.60	20.0	40.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	10.8	20.0	40.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	7.60	20.0	40.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	30.0	UD	18.4	30.0	40.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	16.8	20.0	40.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	30.0	UD	20.4	30.0	40.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.6		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64100	5.544				
540-36-3	1,4-Difluorobenzene	126000	6.757				
3114-55-4	Chlorobenzene-d5	114000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48300	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