284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP08-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-10DL	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
VX045435.D	4		03/25/25 13:12	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00	UD	0.88	2.00	4.00	ug/L
74-87-3	Chloromethane	2.00	UD	1.30	2.00	4.00	ug/L
75-01-4	Vinyl Chloride	3.00	UD	1.00	3.00	4.00	ug/L
74-83-9	Bromomethane	15.0	UD	5.80	15.0	20.0	ug/L
75-00-3	Chloroethane	3.00	UD	1.90	3.00	4.00	ug/L
75-69-4	Trichlorofluoromethane	2.00	UD	1.30	2.00	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	12.0	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	3.00	UD	0.92	3.00	4.00	ug/L
67-64-1	Acetone	15.0	UD	6.00	15.0	20.0	ug/L
75-15-0	Carbon Disulfide	3.00	UD	0.84	3.00	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00	UD	0.64	2.00	4.00	ug/L
79-20-9	Methyl Acetate	3.00	UDQ	1.10	3.00	4.00	ug/L
75-09-2	Methylene Chloride	2.00	UD	1.10	2.00	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.00	UD	0.92	2.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	2.00	UD	0.92	2.00	4.00	ug/L
110-82-7	Cyclohexane	10.0	UD	5.80	10.0	20.0	ug/L
78-93-3	2-Butanone	10.0	UD	3.90	10.0	20.0	ug/L
56-23-5	Carbon Tetrachloride	2.00	UD	1.00	2.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.00	UD	0.76	3.00	4.00	ug/L
74-97-5	Bromochloromethane	2.00	UD	0.88	2.00	4.00	ug/L
67-66-3	Chloroform	2.00	UD	1.00	2.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	0.80	2.00	4.00	ug/L
108-87-2	Methylcyclohexane	2.00	UD	0.64	2.00	4.00	ug/L
71-43-2	Benzene	2.00	UD	0.60	2.00	4.00	ug/L
107-06-2	1,2-Dichloroethane	2.00	UD	0.88	2.00	4.00	ug/L
79-01-6	Trichloroethene	150	D	0.37	3.00	4.00	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	0.80	2.00	4.00	ug/L
75-27-4	Bromodichloromethane	2.00	UD	0.88	2.00	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	10.0	UD	2.70	10.0	20.0	ug/L
108-88-3	Toluene	2.00	UD	0.56	2.00	4.00	ug/L

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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045435.D	4		03/25/25 13:12	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.00	UD	0.68	2.00	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.00	UD	0.64	2.00	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.00	UD	0.84	2.00	4.00	ug/L
591-78-6	2-Hexanone	10.0	UD	3.60	10.0	20.0	ug/L
124-48-1	Dibromochloromethane	2.00	UD	0.72	2.00	4.00	ug/L
106-93-4	1,2-Dibromoethane	2.00	UD	0.60	2.00	4.00	ug/L
127-18-4	Tetrachloroethene	2.00	UD	0.92	2.00	4.00	ug/L
108-90-7	Chlorobenzene	2.00	UD	0.48	2.00	4.00	ug/L
100-41-4	Ethyl Benzene	2.00	UD	0.52	2.00	4.00	ug/L
179601-23-1	m/p-Xylenes	4.00	UD	0.96	4.00	8.00	ug/L
95-47-6	o-Xylene	2.00	UD	0.48	2.00	4.00	ug/L
100-42-5	Styrene	2.00	UD	0.60	2.00	4.00	ug/L
75-25-2	Bromoform	2.00	UD	0.76	2.00	4.00	ug/L
98-82-8	Isopropylbenzene	2.00	UD	0.48	2.00	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00	UD	1.00	2.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.00	UD	0.76	2.00	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	UD	2.10	3.00	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	0.80	2.00	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.00	UD	0.80	3.00	4.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66900	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	49900	12.018				

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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