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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT101D2-20250319DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-21DL	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
VX045439.D	40		03/25/25 14:50	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.0	UD	8.80	20.0	40.0	ug/L
74-87-3	Chloromethane	20.0	UD	12.8	20.0	40.0	ug/L
75-01-4	Vinyl Chloride	30.0	UD	10.4	30.0	40.0	ug/L
74-83-9	Bromomethane	150	UD	57.6	150	200	ug/L
75-00-3	Chloroethane	30.0	UD	18.8	30.0	40.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	13.2	20.0	40.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	33.8	JD	10.0	20.0	40.0	ug/L
75-35-4	1,1-Dichloroethene	10.4	JD	9.20	30.0	40.0	ug/L
67-64-1	Acetone	150	UD	60.4	150	200	ug/L
75-15-0	Carbon Disulfide	30.0	UD	8.40	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	UDQ	10.8	30.0	40.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	11.2	20.0	40.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	9.20	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	58.0	100	200	ug/L
78-93-3	2-Butanone	100	UD	39.2	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	7.60	30.0	40.0	ug/L
74-97-5	Bromochloromethane	20.0	UD	8.80	20.0	40.0	ug/L
67-66-3	Chloroform	20.0	UD	10.0	20.0	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	8.00	20.0	40.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	6.40	20.0	40.0	ug/L
71-43-2	Benzene	20.0	UD	6.00	20.0	40.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	8.80	20.0	40.0	ug/L
79-01-6	Trichloroethene	1400	D	3.70	30.0	40.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	8.00	20.0	40.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	8.80	20.0	40.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	27.2	100	200	ug/L
108-88-3	Toluene	20.0	UD	5.60	20.0	40.0	ug/L

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VX045439.D	40		03/25/25 14:50	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0	UD	6.80	20.0	40.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	6.40	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	35.6	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	6.00	20.0	40.0	ug/L
127-18-4	Tetrachloroethene	20.0	UD	9.20	20.0	40.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	4.80	20.0	40.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	5.20	20.0	40.0	ug/L
179601-23-1	m/p-Xylenes	40.0	UD	9.60	40.0	80.0	ug/L
95-47-6	o-Xylene	20.0	UD	4.80	20.0	40.0	ug/L
100-42-5	Styrene	20.0	UD	6.00	20.0	40.0	ug/L
75-25-2	Bromoform	20.0	UD	7.60	20.0	40.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.80	20.0	40.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	10.4	20.0	40.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	6.40	20.0	40.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	7.60	20.0	40.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	6.40	20.0	40.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	30.0	UD	21.2	30.0	40.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	8.00	20.0	40.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	30.0	UD	8.00	30.0	40.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70700	5.544				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	131000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	54200	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