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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE103D2-20250911MS	SDG No.:	Q3097
Lab Sample ID:	Q3097-02MS	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
VX047715.D	1	09/22/25 18:58	VX092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	64.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	59.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	60.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	59.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	56.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	55.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	59.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	56.5		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	57.7		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	56.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	55.3		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	56.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	55.8		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	52.9		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	52.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	56.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	62.0		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	55.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	54.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	51.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	54.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	53.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	350	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	54.0		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	53.5		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	53.6		0.14	0.50	1.00	ug/L

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	53.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	52.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	54.6		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	55.7		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	56.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	52.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	53.9		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	52.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	53.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	53.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	52.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	55.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	51.8		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	51.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.1		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	53.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	51.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.2		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		80 - 119		115%	SPK: 50
2037-26-5	Toluene-d8	56.6	*	89 - 112		113%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.8		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	150000	5.544				
540-36-3	1,4-Difluorobenzene	270000	6.751				
3114-55-4	Chlorobenzene-d5	241000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	117000	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