

Report of Analysis

Client: Garden State Laboratories, Inc.
Project: Waste Water 2025
Client Sample ID: 251119071-01 VOA
Lab Sample ID: Q3689-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/19/25
Date Received: 11/20/25
SDG No.: Q3689
Matrix: Water
% Solid: 0
Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/20/25 13:48	VX112025
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/20/25 13:48	VX112025
75-01-4	Vinyl Chloride	0.48	J	1	0.26	1.00	ug/L	11/20/25 13:48	VX112025
74-83-9	Bromomethane	1.40	UQ	1	1.40	5.00	ug/L	11/20/25 13:48	VX112025
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/20/25 13:48	VX112025
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/20/25 13:48	VX112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	UQ	1	0.25	1.00	ug/L	11/20/25 13:48	VX112025
75-35-4	1,1-Dichloroethene	0.23	UQ	1	0.23	1.00	ug/L	11/20/25 13:48	VX112025
67-64-1	Acetone	960	E	1	1.50	5.00	ug/L	11/20/25 13:48	VX112025
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/20/25 13:48	VX112025
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/20/25 13:48	VX112025
79-20-9	Methyl Acetate	2.60		1	0.27	1.00	ug/L	11/20/25 13:48	VX112025
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/20/25 13:48	VX112025
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/20/25 13:48	VX112025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/20/25 13:48	VX112025
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/20/25 13:48	VX112025
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/20/25 13:48	VX112025
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/20/25 13:48	VX112025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/20/25 13:48	VX112025
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/20/25 13:48	VX112025
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/20/25 13:48	VX112025
71-55-6	1,1,1-Trichloroethane	0.20	UQ	1	0.20	1.00	ug/L	11/20/25 13:48	VX112025
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/20/25 13:48	VX112025
71-43-2	Benzene	3.70		1	0.15	1.00	ug/L	11/20/25 13:48	VX112025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/20/25 13:48	VX112025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/20/25 13:48	VX112025
78-87-5	1,2-Dichloropropane	0.20	UQ	1	0.20	1.00	ug/L	11/20/25 13:48	VX112025
75-27-4	Bromodichloromethane	0.22	UQ	1	0.22	1.00	ug/L	11/20/25 13:48	VX112025
108-10-1	4-Methyl-2-Pentanone	14.1	Q	1	0.68	5.00	ug/L	11/20/25 13:48	VX112025
108-88-3	Toluene	21.2	Q	1	0.14	1.00	ug/L	11/20/25 13:48	VX112025
10061-02-6	t-1,3-Dichloropropene	0.17	UQ	1	0.17	1.00	ug/L	11/20/25 13:48	VX112025
10061-01-5	cis-1,3-Dichloropropene	0.16	UQ	1	0.16	1.00	ug/L	11/20/25 13:48	VX112025
79-00-5	1,1,2-Trichloroethane	0.21	UQ	1	0.21	1.00	ug/L	11/20/25 13:48	VX112025
591-78-6	2-Hexanone	3.40	JQ	1	0.89	5.00	ug/L	11/20/25 13:48	VX112025
124-48-1	Dibromochloromethane	0.18	UQ	1	0.18	1.00	ug/L	11/20/25 13:48	VX112025
106-93-4	1,2-Dibromoethane	0.15	UQ	1	0.15	1.00	ug/L	11/20/25 13:48	VX112025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/20/25 13:48	VX112025
108-90-7	Chlorobenzene	1.60		1	0.12	1.00	ug/L	11/20/25 13:48	VX112025
100-41-4	Ethyl Benzene	8.30		1	0.13	1.00	ug/L	11/20/25 13:48	VX112025
179601-23-1	m/p-Xylenes	8.50		1	0.24	2.00	ug/L	11/20/25 13:48	VX112025
95-47-6	o-Xylene	4.70		1	0.12	1.00	ug/L	11/20/25 13:48	VX112025
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/20/25 13:48	VX112025
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/20/25 13:48	VX112025

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% Solid: 0
Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.10	Q	1	0.12	1.00	ug/L	11/20/25 13:48	VX112025
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/20/25 13:48	VX112025
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/20/25 13:48	VX112025
106-46-7	1,4-Dichlorobenzene	2.70		1	0.19	1.00	ug/L	11/20/25 13:48	VX112025
95-50-1	1,2-Dichlorobenzene	0.21	J	1	0.16	1.00	ug/L	11/20/25 13:48	VX112025
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/20/25 13:48	VX112025
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/20/25 13:48	VX112025
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/20/25 13:48	VX112025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.6		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	42.8		75 - 124	86%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.2		77 - 121	120%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	146000
540-36-3	1,4-Difluorobenzene	300000
3114-55-4	Chlorobenzene-d5	324000
3855-82-1	1,4-Dichlorobenzene-d4	180000

TENTATIVE IDENTIFIED COMPOUNDS

60-29-7	Diethyl Ether	6.00	J	2.14	ug/L
75-65-0	Tert butyl alcohol	9200	J	2.93	ug/L
109-99-9	Tetrahydrofuran	790	J	4.98	ug/L
000107-87-9	2-Pentanone	13.7	J	7.44	ug/L
000565-80-0	3-Pentanone, 2,4-dimethyl-	14.2	J	9.36	ug/L
103-65-1	n-propylbenzene	0.41	J	11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.76	J	11.4	ug/L
95-63-6	1,2,4-Trimethylbenzene	3.00	J	11.7	ug/L
99-87-6	p-Isopropyltoluene	6.70	J	12.0	ug/L
000470-82-6	Eucalyptol	15.3	J	12.1	ug/L
001195-79-5	Fenchone	63.2	J	12.9	ug/L
000464-49-3	(+)-2-Bornanone	120	J	13.5	ug/L
91-20-3	Naphthalene	23.0	J	13.8	ug/L

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