



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

Hit Summary Sheet

624.1

SDG No.: Q3689
Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	--------	-----------	---------------	---	-----	-----	-------

Client ID: 0

Total Voc :
Total Concentration:

A
B
C
D



SAMPLE DATA

A

B

C

D

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: E624.1
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 Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
107-02-8	Acrolein	6.60	U	1	6.60	25.0	ug/L	11/20/25 13:25	VN112025
107-13-1	Acrylonitrile	2.80	U	1	2.80	25.0	ug/L	11/20/25 13:25	VN112025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	33.2	*		91 - 110	111%	SPK: 30		
2037-26-5	Toluene-d8	31.2			91 - 112	104%	SPK: 30		
460-00-4	4-Bromofluorobenzene	27.5			63 - 112	92%	SPK: 30		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	27600							
540-36-3	1,4-Difluorobenzene	217000							
3114-55-4	Chlorobenzene-d5	176000							

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

Report of Analysis

Client: Garden State Laboratories, Inc.
Project: Waste Water 2025
Client Sample ID: 251119025-03 Trip blank
Lab Sample ID: Q3689-02
Analytical Method: E624.1
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 Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
107-02-8	Acrolein	6.60	U	1	6.60	25.0	ug/L	11/20/25 11:21	VN112025
107-13-1	Acrylonitrile	2.80	U	1	2.80	25.0	ug/L	11/20/25 11:21	VN112025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	28.0			91 - 110	93%	SPK: 30		
2037-26-5	Toluene-d8	29.3			91 - 112	98%	SPK: 30		
460-00-4	4-Bromofluorobenzene	23.6			63 - 112	79%	SPK: 30		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	46600							
540-36-3	1,4-Difluorobenzene	225000							
3114-55-4	Chlorobenzene-d5	206000							

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

LAB CHRONICLE

OrderID:	Q3689	OrderDate:	11/20/2025 9:02:00 AM
Client:	Garden State Laboratories, Inc.	Project:	Waste Water 2025
Contact:	Sharon Ercoliani	Location:	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3689-01	251119071-01 VOA	Water	VOCMS Group1	624.1	11/19/25		11/20/25	11/20/25
Q3689-02	251119025-03 Trip blank	Water	VOCMS Group1	624.1	11/19/25		11/20/25	11/20/25

Hit Summary Sheet
8260-Low

SDG No.: Q3689
Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: 251119071-01 VOA								
Q3689-01	251119071-01 VOA Water		Vinyl Chloride	0.48	J	0.26	1.00	ug/L
Q3689-01	251119071-01 VOA Water		Acetone	960	E	1.50	5.00	ug/L
Q3689-01	251119071-01 VOA Water		Methyl Acetate	2.60		0.27	1.00	ug/L
Q3689-01	251119071-01 VOA Water		Benzene	3.70		0.15	1.00	ug/L
Q3689-01	251119071-01 VOA Water		4-Methyl-2-Pentanone	14.1	Q	0.68	5.00	ug/L
Q3689-01	251119071-01 VOA Water		Toluene	21.2	Q	0.14	1.00	ug/L
Q3689-01	251119071-01 VOA Water		2-Hexanone	3.40	JQ	0.89	5.00	ug/L
Q3689-01	251119071-01 VOA Water		Chlorobenzene	1.60		0.12	1.00	ug/L
Q3689-01	251119071-01 VOA Water		Ethyl Benzene	8.30		0.13	1.00	ug/L
Q3689-01	251119071-01 VOA Water		m/p-Xylenes	8.50		0.24	2.00	ug/L
Q3689-01	251119071-01 VOA Water		o-Xylene	4.70		0.12	1.00	ug/L
Q3689-01	251119071-01 VOA Water		Isopropylbenzene	1.10	Q	0.12	1.00	ug/L
Q3689-01	251119071-01 VOA Water		1,4-Dichlorobenzene	2.70		0.19	1.00	ug/L
Q3689-01	251119071-01 VOA Water		1,2-Dichlorobenzene	0.21	J	0.16	1.00	ug/L
			Total Voc :			1030		
Q3689-01	251119071-01 VOA Water		2-Pentanone	* 13.7	J	0	0	ug/L
Q3689-01	251119071-01 VOA Water		(+)-2-Bornanone	* 120	J	0	0	ug/L
Q3689-01	251119071-01 VOA Water		Eucalyptol	* 15.3	J	0	0	ug/L
Q3689-01	251119071-01 VOA Water		3-Pentanone, 2,4-dimethyl-	* 14.2	J	0	0	ug/L
Q3689-01	251119071-01 VOA Water		Fenchone	* 63.2	J	0	0	ug/L
Q3689-01	251119071-01 VOA Water		Tetrahydrofuran	* 790	J	0.99	5.00	ug/L
Q3689-01	251119071-01 VOA Water		Tert butyl alcohol	* 9200	J	5.50	25.0	ug/L
Q3689-01	251119071-01 VOA Water		Diethyl Ether	* 6.00	J	0.31	1.00	ug/L
Q3689-01	251119071-01 VOA Water		n-propylbenzene	* 0.41	J	0.13	1.00	ug/L
Q3689-01	251119071-01 VOA Water		1,3,5-Trimethylbenzene	* 0.76	J	0.15	1.00	ug/L
Q3689-01	251119071-01 VOA Water		1,2,4-Trimethylbenzene	* 3.00	J	0.14	1.00	ug/L
Q3689-01	251119071-01 VOA Water		p-Isopropyltoluene	* 6.70	J	0.13	1.00	ug/L
Q3689-01	251119071-01 VOA Water		Naphthalene	* 23.0	J	0.20	1.00	ug/L
			Total Tics :			10300		
			Total Concentration:			11300		
Client ID: 251119071-01 VOADL								
Q3689-01DL	251119071-01 VOA Water		Acetone	910	D	30.2	100	ug/L
Q3689-01DL	251119071-01 VOA Water		Benzene	4.80	JD	3.00	20.0	ug/L
Q3689-01DL	251119071-01 VOA Water		4-Methyl-2-Pentanone	14.1	JDQ	13.6	100	ug/L
Q3689-01DL	251119071-01 VOA Water		Toluene	23.7	DQ	2.80	20.0	ug/L
Q3689-01DL	251119071-01 VOA Water		Ethyl Benzene	8.70	JD	2.60	20.0	ug/L

Hit Summary Sheet
8260-Low

SDG No.: Q3689

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3689-01DL	251119071-01	VOA Water	m/p-Xylenes	9.70	JD	4.80	40.0	ug/L
Q3689-01DL	251119071-01	VOA Water	o-Xylene	5.40	JD	2.40	20.0	ug/L
Total Voc :				976				
Total Concentration:				976				



SAMPLE DATA

A

B

C

D

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

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
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

Report of Analysis

Client: Garden State Laboratories, Inc.
Project: Waste Water 2025
Client Sample ID: 251119071-01 VOADL
Lab Sample ID: Q3689-01DL
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	4.40	UD	20	4.40	20.0	ug/L	11/20/25 14:55	VX112025
74-87-3	Chloromethane	6.40	UD	20	6.40	20.0	ug/L	11/20/25 14:55	VX112025
75-01-4	Vinyl Chloride	5.20	UD	20	5.20	20.0	ug/L	11/20/25 14:55	VX112025
74-83-9	Bromomethane	28.8	UDQ20		28.8	100	ug/L	11/20/25 14:55	VX112025
75-00-3	Chloroethane	9.40	UD	20	9.40	20.0	ug/L	11/20/25 14:55	VX112025
75-69-4	Trichlorofluoromethane	6.60	UD	20	6.60	20.0	ug/L	11/20/25 14:55	VX112025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UDQ20		5.00	20.0	ug/L	11/20/25 14:55	VX112025
75-35-4	1,1-Dichloroethene	4.60	UDQ20		4.60	20.0	ug/L	11/20/25 14:55	VX112025
67-64-1	Acetone	910	D	20	30.2	100	ug/L	11/20/25 14:55	VX112025
75-15-0	Carbon Disulfide	4.20	UD	20	4.20	20.0	ug/L	11/20/25 14:55	VX112025
1634-04-4	Methyl tert-butyl Ether	3.20	UD	20	3.20	20.0	ug/L	11/20/25 14:55	VX112025
79-20-9	Methyl Acetate	5.40	UD	20	5.40	20.0	ug/L	11/20/25 14:55	VX112025
75-09-2	Methylene Chloride	5.60	UD	20	5.60	20.0	ug/L	11/20/25 14:55	VX112025
156-60-5	trans-1,2-Dichloroethene	4.60	UD	20	4.60	20.0	ug/L	11/20/25 14:55	VX112025
75-34-3	1,1-Dichloroethane	4.60	UD	20	4.60	20.0	ug/L	11/20/25 14:55	VX112025
110-82-7	Cyclohexane	29.0	UD	20	29.0	100	ug/L	11/20/25 14:55	VX112025
78-93-3	2-Butanone	19.6	UD	20	19.6	100	ug/L	11/20/25 14:55	VX112025
56-23-5	Carbon Tetrachloride	5.00	UD	20	5.00	20.0	ug/L	11/20/25 14:55	VX112025
156-59-2	cis-1,2-Dichloroethene	3.80	UD	20	3.80	20.0	ug/L	11/20/25 14:55	VX112025
74-97-5	Bromochloromethane	4.40	UD	20	4.40	20.0	ug/L	11/20/25 14:55	VX112025
67-66-3	Chloroform	5.00	UD	20	5.00	20.0	ug/L	11/20/25 14:55	VX112025
71-55-6	1,1,1-Trichloroethane	4.00	UDQ20		4.00	20.0	ug/L	11/20/25 14:55	VX112025
108-87-2	Methylcyclohexane	3.20	UD	20	3.20	20.0	ug/L	11/20/25 14:55	VX112025
71-43-2	Benzene	4.80	JD	20	3.00	20.0	ug/L	11/20/25 14:55	VX112025
107-06-2	1,2-Dichloroethane	4.40	UD	20	4.40	20.0	ug/L	11/20/25 14:55	VX112025
79-01-6	Trichloroethene	1.90	UD	20	1.90	20.0	ug/L	11/20/25 14:55	VX112025
78-87-5	1,2-Dichloropropane	4.00	UDQ20		4.00	20.0	ug/L	11/20/25 14:55	VX112025
75-27-4	Bromodichloromethane	4.40	UDQ20		4.40	20.0	ug/L	11/20/25 14:55	VX112025
108-10-1	4-Methyl-2-Pentanone	14.1	JDQ	20	13.6	100	ug/L	11/20/25 14:55	VX112025
108-88-3	Toluene	23.7	DQ	20	2.80	20.0	ug/L	11/20/25 14:55	VX112025
10061-02-6	t-1,3-Dichloropropene	3.40	UDQ20		3.40	20.0	ug/L	11/20/25 14:55	VX112025
10061-01-5	cis-1,3-Dichloropropene	3.20	UDQ20		3.20	20.0	ug/L	11/20/25 14:55	VX112025
79-00-5	1,1,2-Trichloroethane	4.20	UDQ20		4.20	20.0	ug/L	11/20/25 14:55	VX112025
591-78-6	2-Hexanone	17.8	UDQ20		17.8	100	ug/L	11/20/25 14:55	VX112025
124-48-1	Dibromochloromethane	3.60	UDQ20		3.60	20.0	ug/L	11/20/25 14:55	VX112025
106-93-4	1,2-Dibromoethane	3.00	UDQ20		3.00	20.0	ug/L	11/20/25 14:55	VX112025
127-18-4	Tetrachloroethene	4.60	UD	20	4.60	20.0	ug/L	11/20/25 14:55	VX112025
108-90-7	Chlorobenzene	2.40	UD	20	2.40	20.0	ug/L	11/20/25 14:55	VX112025
100-41-4	Ethyl Benzene	8.70	JD	20	2.60	20.0	ug/L	11/20/25 14:55	VX112025
179601-23-1	m/p-Xylenes	9.70	JD	20	4.80	40.0	ug/L	11/20/25 14:55	VX112025
95-47-6	o-Xylene	5.40	JD	20	2.40	20.0	ug/L	11/20/25 14:55	VX112025
100-42-5	Styrene	3.00	UD	20	3.00	20.0	ug/L	11/20/25 14:55	VX112025
75-25-2	Bromoform	3.80	UD	20	3.80	20.0	ug/L	11/20/25 14:55	VX112025

Report of Analysis

Client: Garden State Laboratories, Inc.
Project: Waste Water 2025
Client Sample ID: 251119071-01 VOADL
Lab Sample ID: Q3689-01DL
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
98-82-8	Isopropylbenzene	2.40	UD	Q20	2.40	20.0	ug/L	11/20/25 14:55	VX112025
79-34-5	1,1,2,2-Tetrachloroethane	5.20	UD	20	5.20	20.0	ug/L	11/20/25 14:55	VX112025
541-73-1	1,3-Dichlorobenzene	3.20	UD	20	3.20	20.0	ug/L	11/20/25 14:55	VX112025
106-46-7	1,4-Dichlorobenzene	3.80	UD	20	3.80	20.0	ug/L	11/20/25 14:55	VX112025
95-50-1	1,2-Dichlorobenzene	3.20	UD	20	3.20	20.0	ug/L	11/20/25 14:55	VX112025
96-12-8	1,2-Dibromo-3-Chloropropane	10.6	UD	20	10.6	20.0	ug/L	11/20/25 14:55	VX112025
120-82-1	1,2,4-Trichlorobenzene	4.00	UD	20	4.00	20.0	ug/L	11/20/25 14:55	VX112025
87-61-6	1,2,3-Trichlorobenzene	4.00	UD	20	4.00	20.0	ug/L	11/20/25 14:55	VX112025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.6			74 - 125	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	43.8			75 - 124	88%	SPK: 50		
2037-26-5	Toluene-d8	50.8			86 - 113	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	60.3			77 - 121	121%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	151000							
540-36-3	1,4-Difluorobenzene	295000							
3114-55-4	Chlorobenzene-d5	326000							
3855-82-1	1,4-Dichlorobenzene-d4	176000							

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

Report of Analysis

Client: Garden State Laboratories, Inc.
Project: Waste Water 2025
Client Sample ID: 251119025-03 Trip blank
Lab Sample ID: Q3689-02
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 13:07	VX112025
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/20/25 13:07	VX112025
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/20/25 13:07	VX112025
74-83-9	Bromomethane	1.40	UQ	1	1.40	5.00	ug/L	11/20/25 13:07	VX112025
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/20/25 13:07	VX112025
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/20/25 13:07	VX112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	UQ	1	0.25	1.00	ug/L	11/20/25 13:07	VX112025
75-35-4	1,1-Dichloroethene	0.23	UQ	1	0.23	1.00	ug/L	11/20/25 13:07	VX112025
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/20/25 13:07	VX112025
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/20/25 13:07	VX112025
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/20/25 13:07	VX112025
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/20/25 13:07	VX112025
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/20/25 13:07	VX112025
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/20/25 13:07	VX112025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/20/25 13:07	VX112025
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/20/25 13:07	VX112025
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/20/25 13:07	VX112025
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/20/25 13:07	VX112025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/20/25 13:07	VX112025
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/20/25 13:07	VX112025
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/20/25 13:07	VX112025
71-55-6	1,1,1-Trichloroethane	0.20	UQ	1	0.20	1.00	ug/L	11/20/25 13:07	VX112025
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/20/25 13:07	VX112025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/20/25 13:07	VX112025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/20/25 13:07	VX112025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/20/25 13:07	VX112025
78-87-5	1,2-Dichloropropane	0.20	UQ	1	0.20	1.00	ug/L	11/20/25 13:07	VX112025
75-27-4	Bromodichloromethane	0.22	UQ	1	0.22	1.00	ug/L	11/20/25 13:07	VX112025
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	1	0.68	5.00	ug/L	11/20/25 13:07	VX112025
108-88-3	Toluene	0.14	UQ	1	0.14	1.00	ug/L	11/20/25 13:07	VX112025
10061-02-6	t-1,3-Dichloropropene	0.17	UQ	1	0.17	1.00	ug/L	11/20/25 13:07	VX112025
10061-01-5	cis-1,3-Dichloropropene	0.16	UQ	1	0.16	1.00	ug/L	11/20/25 13:07	VX112025
79-00-5	1,1,2-Trichloroethane	0.21	UQ	1	0.21	1.00	ug/L	11/20/25 13:07	VX112025
591-78-6	2-Hexanone	0.89	UQ	1	0.89	5.00	ug/L	11/20/25 13:07	VX112025
124-48-1	Dibromochloromethane	0.18	UQ	1	0.18	1.00	ug/L	11/20/25 13:07	VX112025
106-93-4	1,2-Dibromoethane	0.15	UQ	1	0.15	1.00	ug/L	11/20/25 13:07	VX112025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/20/25 13:07	VX112025
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/20/25 13:07	VX112025
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/20/25 13:07	VX112025
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/20/25 13:07	VX112025
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/20/25 13:07	VX112025
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/20/25 13:07	VX112025
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/20/25 13:07	VX112025

Report of Analysis

Client: Garden State Laboratories, Inc.
Project: Waste Water 2025
Client Sample ID: 251119025-03 Trip blank
Lab Sample ID: Q3689-02
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
98-82-8	Isopropylbenzene	0.12	UQ	1	0.12	1.00	ug/L	11/20/25 13:07	VX112025
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/20/25 13:07	VX112025
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/20/25 13:07	VX112025
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/20/25 13:07	VX112025
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/20/25 13:07	VX112025
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/20/25 13:07	VX112025
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/20/25 13:07	VX112025
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/20/25 13:07	VX112025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.5			74 - 125	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.3			75 - 124	95%	SPK: 50		
2037-26-5	Toluene-d8	47.9			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.5			77 - 121	113%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	189000							
540-36-3	1,4-Difluorobenzene	351000							
3114-55-4	Chlorobenzene-d5	372000							
3855-82-1	1,4-Dichlorobenzene-d4	196000							

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

LAB CHRONICLE

OrderID:	Q3689	OrderDate:	11/20/2025 9:02:00 AM
Client:	Garden State Laboratories, Inc.	Project:	Waste Water 2025
Contact:	Sharon Ercoliani	Location:	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3689-01	251119071-01 VOA	Water	VOCMS Group1	624.1	11/19/25		11/20/25	11/20/25
			VOCMS Group2	8260-Low			11/20/25	
Q3689-01DL	251119071-01 VOADL	Water	VOCMS Group2	8260-Low	11/19/25		11/20/25	11/20/25
Q3689-02	251119025-03 Trip blank	Water	VOCMS Group1	624.1	11/19/25		11/20/25	11/20/25
			VOCMS Group2	8260-Low			11/20/25	