

Hit Summary Sheet
SW-846

SDG No.: Q2163
Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	250528063-01							
Q2163-01	250528063-01	Water	Acetone	11.9		1.50	5.00	ug/L
Q2163-01	250528063-01	Water	Methyl tert-butyl Ether	0.69	J	0.16	1.00	ug/L
Q2163-01	250528063-01	Water	Benzene	1.50		0.15	1.00	ug/L
Q2163-01	250528063-01	Water	Toluene	2.00		0.14	1.00	ug/L
Q2163-01	250528063-01	Water	Chlorobenzene	9.80		0.12	1.00	ug/L
Q2163-01	250528063-01	Water	Ethyl Benzene	10.3		0.13	1.00	ug/L
Q2163-01	250528063-01	Water	m/p-Xylenes	5.20		0.24	2.00	ug/L
Q2163-01	250528063-01	Water	o-Xylene	4.20		0.12	1.00	ug/L
Q2163-01	250528063-01	Water	Isopropylbenzene	1.70		0.12	1.00	ug/L
Q2163-01	250528063-01	Water	1,4-Dichlorobenzene	8.40		0.19	1.00	ug/L
Q2163-01	250528063-01	Water	1,2-Dichlorobenzene	0.56	J	0.16	1.00	ug/L
			Total Voc :			56.3		
Q2163-01	250528063-01	Water	Indane	* 5.10	J	0	0	ug/L
Q2163-01	250528063-01	Water	Tetrahydrofuran	* 260	J	0.99	5.00	ug/L
Q2163-01	250528063-01	Water	Tert butyl alcohol	* 440	J	5.50	25.0	ug/L
Q2163-01	250528063-01	Water	Diethyl Ether	* 14.5	J	0.31	1.00	ug/L
Q2163-01	250528063-01	Water	n-propylbenzene	* 0.81	J	0.13	1.00	ug/L
Q2163-01	250528063-01	Water	2-Chlorotoluene	* 0.85	J	0.14	1.00	ug/L
Q2163-01	250528063-01	Water	1,3,5-Trimethylbenzene	* 0.57	J	0.15	1.00	ug/L
Q2163-01	250528063-01	Water	1,2,4-Trimethylbenzene	* 2.70	J	0.14	1.00	ug/L
Q2163-01	250528063-01	Water	Naphthalene	* 9.90	J	0.20	1.00	ug/L
Q2163-01	250528063-01	Water	1,4-Dioxane	* 280	J	6.90	100	ug/L
			Total Tics :			1010		
			Total Concentration:			1070		



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Garden State Laboratories, Inc.		Date Collected:	05/28/25	
Project:	Waste Water 2025		Date Received:	05/30/25	
Client Sample ID:	250528063-01		SDG No.:	Q2163	
Lab Sample ID:	Q2163-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046425.D	1		05/30/25 16:36	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	11.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.69	J	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	UQ	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	1.50		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	2.00		0.14	1.00	ug/L

Report of Analysis

Client:	Garden State Laboratories, Inc.			Date Collected:	05/28/25	
Project:	Waste Water 2025			Date Received:	05/30/25	
Client Sample ID:	250528063-01			SDG No.:	Q2163	
Lab Sample ID:	Q2163-01			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046425.D	1		05/30/25 16:36	VX053025

[illegible]

Report of Analysis

Client:	Garden State Laboratories, Inc.		Date Collected:	05/28/25	
Project:	Waste Water 2025		Date Received:	05/30/25	
Client Sample ID:	250528063-01		SDG No.:	Q2163	
Lab Sample ID:	Q2163-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046425.D	1		05/30/25 16:36	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
60-29-7	Diethyl Ether	14.5	J		2.14	ug/L
75-65-0	Tert butyl alcohol	440	J		2.97	ug/L
109-99-9	Tetrahydrofuran	260	J		5.01	ug/L
123-91-1	1,4-Dioxane	280	J		7.66	ug/L
103-65-1	n-propylbenzene	0.81	J		11.3	ug/L
95-49-8	2-Chlorotoluene	0.85	J		11.4	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.57	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.70	J		11.8	ug/L
000496-11-7	Indane	5.10	J		12.2	ug/L
91-20-3	Naphthalene	9.90	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.		Date Collected:	05/28/25	
Project:	Waste Water 2025		Date Received:	05/30/25	
Client Sample ID:	250528060-03-TRIP-BLANK		SDG No.:	Q2163	
Lab Sample ID:	Q2163-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046420.D	1		05/30/25 14:39	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	UQ	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	Garden State Laboratories, Inc.		Date Collected:	05/28/25	
Project:	Waste Water 2025		Date Received:	05/30/25	
Client Sample ID:	250528060-03-TRIP-BLANK		SDG No.:	Q2163	
Lab Sample ID:	Q2163-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046420.D	1		05/30/25 14:39	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65100	5.55			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	123000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51000	12.018			

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	05/28/25
Project:	Waste Water 2025	Date Received:	05/30/25
Client Sample ID:	250528060-03-TRIP-BLANK	SDG No.:	Q2163
Lab Sample ID:	Q2163-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046420.D	1		05/30/25 14:39	VX053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

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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:	Q2163	OrderDate:	5/30/2025 11:54:00 AM
Client:	Garden State Laboratories, Inc.	Project:	Waste Water 2025
Contact:	Sharon Ercoliani	Location:	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2163-01	250528063-01	Water	VOCMS Group2	8260-Low	05/28/25		05/30/25	05/30/25
Q2163-02	250528060-03-TRIP-BLANK	Water	VOCMS Group2	8260-Low	05/28/25		05/30/25	05/30/25