

Hit Summary Sheet

8260-Low

SDG No.: P4646

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: 241030069-01-VOA								
P4646-01	241030069-01-VOA	Water	Vinyl Chloride	0.42	J	0.34	1.00	ug/L
P4646-01	241030069-01-VOA	Water	Acetone	340		1.40	5.00	ug/L
P4646-01	241030069-01-VOA	Water	Carbon Disulfide	0.57	J	0.32	1.00	ug/L
P4646-01	241030069-01-VOA	Water	Methyl tert-butyl Ether	3.40		0.16	1.00	ug/L
P4646-01	241030069-01-VOA	Water	Methyl Acetate	1.10		0.60	1.00	ug/L
P4646-01	241030069-01-VOA	Water	2-Butanone	290		1.30	5.00	ug/L
P4646-01	241030069-01-VOA	Water	Benzene	4.80		0.16	1.00	ug/L
P4646-01	241030069-01-VOA	Water	4-Methyl-2-Pentanone	4.20	J	0.75	5.00	ug/L
P4646-01	241030069-01-VOA	Water	Toluene	3.00		0.18	1.00	ug/L
P4646-01	241030069-01-VOA	Water	Chlorobenzene	1.40		0.13	1.00	ug/L
P4646-01	241030069-01-VOA	Water	Ethyl Benzene	7.00		0.16	1.00	ug/L
P4646-01	241030069-01-VOA	Water	m/p-Xylenes	9.70		0.31	2.00	ug/L
P4646-01	241030069-01-VOA	Water	o-Xylene	6.20		0.14	1.00	ug/L
P4646-01	241030069-01-VOA	Water	Styrene	0.58	J	0.16	1.00	ug/L
P4646-01	241030069-01-VOA	Water	Isopropylbenzene	1.10		0.13	1.00	ug/L
P4646-01	241030069-01-VOA	Water	1,4-Dichlorobenzene	4.40		0.27	1.00	ug/L
P4646-01	241030069-01-VOA	Water	1,2-Dichlorobenzene	0.43	J	0.19	1.00	ug/L
Total Voc :				678				
P4646-01	241030069-01-VOA	Water	unknown13.475	* 23.6	J	0	0	ug/L
P4646-01	241030069-01-VOA	Water	unknown13.932	* 10.0	J	0	0	ug/L
P4646-01	241030069-01-VOA	Water	unknown14.097	* 21.4	J	0	0	ug/L
P4646-01	241030069-01-VOA	Water	2-Propanol, 2-methyl-	* 460	J	0	0	ug/L
P4646-01	241030069-01-VOA	Water	Dimethyl ether	* 25.8	J	0	0	ug/L
P4646-01	241030069-01-VOA	Water	(+)-2-Bornanone	* 130	J	0	0	ug/L
P4646-01	241030069-01-VOA	Water	Cyclohexanol, 5-methyl-2-(1-π	* 30.8	J	0	0	ug/L
P4646-01	241030069-01-VOA	Water	L-Fenchone	* 94.4	J	0	0	ug/L
P4646-01	241030069-01-VOA	Water	Tetrahydrofuran	* 610	J	1.20	5.00	ug/L
P4646-01	241030069-01-VOA	Water	Diethyl Ether	* 2.90	J	0.20	1.00	ug/L
P4646-01	241030069-01-VOA	Water	n-propylbenzene	* 0.55	J	0.14	1.00	ug/L
P4646-01	241030069-01-VOA	Water	2-Chlorotoluene	* 0.58	J	0.16	1.00	ug/L
P4646-01	241030069-01-VOA	Water	1,3,5-Trimethylbenzene	* 0.93	J	0.18	1.00	ug/L
P4646-01	241030069-01-VOA	Water	1,2,4-Trimethylbenzene	* 3.80	J	0.18	1.00	ug/L
P4646-01	241030069-01-VOA	Water	p-Isopropyltoluene	* 1.30	J	0.15	1.00	ug/L
P4646-01	241030069-01-VOA	Water	Naphthalene	* 39.2	J	0.59	1.00	ug/L
P4646-01	241030069-01-VOA	Water	1,4-Dioxane	* 130	J	6.50	100	ug/L

Hit Summary Sheet

8260-Low

SDG No.: P4646

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Tics :				1590				
Total Concentration:				2260				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Garden State Laboratories, Inc.		Date Collected:	10/30/24	
Project:	Waste Water 2024		Date Received:	10/31/24	
Client Sample ID:	241030069-01-VOA		SDG No.:	P4646	
Lab Sample ID:	P4646-01		Matrix:	Water	
Analytical Method:	SW8260		% 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
VX043649.D	1		10/31/24 14:27	VX103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.42	J	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	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	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	340		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.57	J	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	3.40		0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.10		0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	290		1.30	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	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	4.80		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.20	J	0.75	5.00	ug/L
108-88-3	Toluene	3.00		0.18	1.00	ug/L

Report of Analysis

Client:	Garden State Laboratories, Inc.			Date Collected:	10/30/24	
Project:	Waste Water 2024			Date Received:	10/31/24	
Client Sample ID:	241030069-01-VOA			SDG No.:	P4646	
Lab Sample ID:	P4646-01			Matrix:	Water	
Analytical Method:	SW8260			% 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
VX043649.D	1		10/31/24 14:27	VX103124

[illegible]

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	10/30/24
Project:	Waste Water 2024	Date Received:	10/31/24
Client Sample ID:	241030069-01-VOA	SDG No.:	P4646
Lab Sample ID:	P4646-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VX043649.D	1		10/31/24 14:27	VX103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000115-10-6	Dimethyl ether	25.8	J		1.25	ug/L
60-29-7	Diethyl Ether	2.90	J		2.14	ug/L
000075-65-0	2-Propanol, 2-methyl-	460	J		3.00	ug/L
109-99-9	Tetrahydrofuran	610	J		5.01	ug/L
123-91-1	1,4-Dioxane	130	J		7.68	ug/L
103-65-1	n-propylbenzene	0.55	J		11.3	ug/L
95-49-8	2-Chlorotoluene	0.58	J		11.4	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.93	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	3.80	J		11.8	ug/L
99-87-6	p-Isopropyltoluene	1.30	J		12.0	ug/L
007787-20-4	L-Fenchone	94.4	J		12.9	ug/L
	unknown13.475	23.6	J		13.5	ug/L
000464-49-3	(+)-2-Bornanone	130	J		13.5	ug/L
002216-52-6	Cyclohexanol, 5-methyl-2-(1-methyl	30.8	J		13.6	ug/L
91-20-3	Naphthalene	39.2	J		13.8	ug/L
	unknown13.932	10.0	J		13.9	ug/L
	unknown14.097	21.4	J		14.1	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:	10/30/24	
Project:	Waste Water 2024		Date Received:	10/31/24	
Client Sample ID:	241030043-05-TRIP-BLANK		SDG No.:	P4646	
Lab Sample ID:	P4646-02		Matrix:	Water	
Analytical Method:	SW8260		% 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
VX043648.D	1		10/31/24 14:03	VX103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	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	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	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	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	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	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Garden State Laboratories, Inc.		Date Collected:	10/30/24	
Project:	Waste Water 2024		Date Received:	10/31/24	
Client Sample ID:	241030043-05-TRIP-BLANK		SDG No.:	P4646	
Lab Sample ID:	P4646-02		Matrix:	Water	
Analytical Method:	SW8260		% 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
VX043648.D	1		10/31/24 14:03	VX103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	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	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.2		74 - 125	84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	101000	5.55			
540-36-3	1,4-Difluorobenzene	187000	6.757			
3114-55-4	Chlorobenzene-d5	165000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	72800	12.024			

LAB CHRONICLE

OrderID:	P4646	OrderDate:	10/31/2024 10:57:00 AM
Client:	Garden State Laboratories, Inc.	Project:	Waste Water 2024
Contact:	Sharon Ercoliani	Location:	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4646-01	241030069-01-VOA	Water			10/30/24			10/31/24
			VOCMS Group1	624.1				
			VOCMS Group2	8260-Low				
P4646-02	241030043-05-TRIP-BLANK	Water			10/30/24			10/31/24
			VOCMS Group1	624.1				
			VOCMS Group2	8260-Low				