

Glass Water System

Analyte	Contaminant Class	CAS Number	Method Reference	LOR	Unit	Influent Concentration	Effluent Concentration*	Reduction
chlorine	Chemical Additive	7782-50-5	HACH 8021	0.02	mg/L	2.05	<0.02	>99.9%
fluoride	Chemical Additive	7681-49-4	HACH 8029	0.05	mg/L	2.13	<0.05	>99.9%
chloramine	Chemical Additive	10599-90-3	HACH 10171	0.04	mg/L	2.84	0.09	96.8%
PFOS	Industrial Chemical	1763-23-1	MECP E3533	0.01	µg/L	0.73	<0.01	>99.9%
PFOA	Industrial Chemical	335-67-1	MECP E3533	0.01	µg/L	0.298	<0.01	>99.9%
perchlorate	Industrial Chemical	7601-90-3	EPA 6850	0.0002	mg/L	0.0886	0.00519	94.1%
hydrogen sulfide	Naturally Occurring	7783-06-04	HACH 8131	0.005	mg/L	0.9	<0.001	>99.9%
lead	Heavy Metal	7439-92-1	EPA 200.2/6020B	0.00005	mg/L	0.14	0.000969	99.3%
cadmium	Heavy Metal	7440-43-9	EPA 200.2/6020B	0.000005	mg/L	0.0289	0.000423	98.5%
mercury	Heavy Metal	7439-97-6	EPA 1631E	0.000005	mg/L	0.00999	0.0000296	99.7%
chromium hexavalent	Heavy Metal	7440-47-3	HACH 8023	0.005	mg/L	0.289	0.01	96.5%
chromium trivalent	Heavy Metal	7440-47-3	EPA 200.2/6020B	0.0005	mg/L	0.286	0.00074	99.7%
chromium total	Heavy Metal	7440-47-3	HACH 8024	0.005	mg/L	0.26	0.02	92.3%
copper	Metal	7440-50-8	HACH 8026	0.01	mg/L	3.33	0.01	99.7%
manganese	Metal	7439-96-5	EPA 200.2/6020B	0.0001	mg/L	1.16	0.231	80.1%
iron	Metal	7439-89-6	HACH 10229	0.01	mg/L	4.55	0.116	97.5%
barium	Metal	7440-39-3	HACH 8014	1	mg/L	10	3	70.0%
selenium	Metal	7782-49-2	EPA 200.2/6020B	0.00005	mg/L	0.0577	0.0247	57.2%
acetone	VOCs	67-64-1	EPA 8260D	20	µg/L	**	<20	99.0%
bromobenzene	VOCs	108-86-1	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
bromochloromethane	VOCs	74-97-5	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
bromomethane	VOCs	74-83-9	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
butylbenzene n-	VOCs	104-51-8	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
butylbenzene sec-	VOCs	135-98-8	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
butylbenzene tert-	VOCs	98-06-06	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
carbon disulfide	VOCs	75-15-0	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
chlorobenzene	VOCs	108-90-7	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
chloromethane	VOCs	74-87-3	EPA 8260D	2	µg/L	**	<2.0	>99.9%
chlorotoluene 2-	VOCs	95-49-8	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
chlorotoluene 4-	VOCs	106-43-4	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
cymene p-	VOCs	99-87-6	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dibromo-3-chloropropane 1 2-	VOCs	96-12-8	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
dibromomethane	VOCs	74-95-3	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dichlorobenzene 1 2-	VOCs	95-50-1	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
dichlorobenzene 1 3-	VOCs	541-73-1	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dichlorobenzene 1 4-	VOCs	106-46-7	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dichlorodifluoromethane	VOCs	75-71-8	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dichloropropane 1 2-	VOCs	78-87-5	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
dichloropropane 1 3-	VOCs	142-28-9	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
dichloropropane 2 2-	VOCs	594-20-7	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
dichloropropylene 1 1-	VOCs	563-58-6	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
dichloropropylene cis+trans-1 3-	VOCs	542-75-6	EPA 8260D	0.75	µg/L	**	<0.75	>99.9%
dichloropropylene cis-1 3-	VOCs	10061-01-05	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
hexachlorobutadiene	VOCs	87-68-3	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
hexanone 2-	VOCs	591-78-6	EPA 8260D	20	µg/L	**	<20	99.0%
methyl ethyl ketone [MEK]	VOCs	78-93-3	EPA 8260D	20	µg/L	**	<20	99.0%
methyl isobutyl ketone [MIBK]	VOCs	0108-10-1	EPA 8260D	20	µg/L	**	<20	99.0%

*If result is lower than LOR (Limit of Reporting), analyte is undetectable.

**Tested in accordance with Section 7.2.5 of NSF/ANSI 53 - 2022. The system shall reduce the arithmetic mean of the influent concentrations of chloroform at 300 +/- 30 µg/L at each sample point by at least 95%.

Results vary depending on the source water. All testing is done in accordance with NSF Standards 42, 53, 401 and in accordance with the European standard DIN EN 17093:2018 for drinking water quality and the reduction of chemicals and contaminants. All reduction percentages indicate the maximum filtration capacity of each product based on the rated lifespan of the filter.



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Analyte	Contaminant Class	CAS Number	Method Reference	LOR	Unit	Influent Concentration	Effluent Concentration*	Reduction
propylbenzene n-	VOCs	103-65-1	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
tetrachloroethane 1 1 1 2-	VOCs	630-20-6	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
tetrachloroethane 1 1 2 2-	VOCs	79-34-5	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
trichlorobenzene 1 2 3-	VOCs	87-61-6	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
trichlorobenzene 1 2 4-	VOCs	120-82-1	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
trichloroethane 1 1 2-	VOCs	79-00-5	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
trichlorofluoromethane	VOCs	75-69-4	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
trichloropropane 1 2 3-	VOCs	96-18-4	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
bromodichloromethane	VOCs - THM	75-27-4	EPA 8260D	0.5	µg/L	0.76	<0.50	>99.9%
bromoform	VOCs - THM	75-25-2	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
chloroform	VOCs - THM	67-66-3	EPA 8260D	0.5	µg/L	113	0.95	99.16%
dibromochloromethane	VOCs - THM	124-48-1	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
carbon tetrachloride	VOCs - Drycleaning	58-23-5	EPA 8260D	0.2	µg/L	**	<0.20	99.0%
chloroethane	VOCs - Drycleaning	75-00-3	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dichloroethane 1 1-	VOCs - Drycleaning	75-34-3	EPA 8260D	0.5	µg/L	**	<0.50	96.0%
dichloroethane 1 2-	VOCs - Drycleaning	0107-06-02	EPA 8260D	0.5	µg/L	**	<0.50	96.0%
dichloroethylene 1 1-	VOCs - Drycleaning	75-35-4	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dichloroethylene cis-1 2-	VOCs - Drycleaning	156-59-2	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dichloroethylene trans-1 2-	VOCs - Drycleaning	156-60-5	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dichloromethane	VOCs - Drycleaning	75-09-02	EPA 8260D	1	µg/L	**	<1.0	99.0%
dichloropropylene trans-1 3-	VOCs - Drycleaning	10061-02-06	EPA 8260D	0.5	µg/L	**	<0.50	>99.9%
tetrachloroethylene	VOCs - Drycleaning	127-18-4	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
trichloroethane 1 1 1-	VOCs - Drycleaning	71-55-6	EPA 8260D	0.5	µg/L	**	<0.50	96.0%
trichloroethylene	VOCs - Drycleaning	79-01-06	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
vinyl chloride	VOCs - Drycleaning	75-01-04	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
benzene	VOCs - Fuels	71-43-2	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
dibromoethane 1 2-	VOCs - Fuels	106-93-4	EPA 8260D	0.2	µg/L	**	<0.20	99.0%
ethylbenzene	VOCs - Fuels	100-41-4	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
hexane n-	VOCs - Fuels	110-54-3	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
isopropylbenzene	VOCs - Fuels	98-82-8	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
methyl-tert-butyl ether [MTBE]	VOCs - Fuels	1634-04-04	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
naphthalene	VOCs - Fuels	91-20-3	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
styrene	VOCs - Fuels	100-42-5	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
toluene	VOCs - Fuels	108-88-3	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
trimethylbenzene 1 2 4-	VOCs - Fuels	95-63-6	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
trimethylbenzene 1 3 5-	VOCs - Fuels	108-67-8	EPA 8260D	0.5	µg/L	**	<0.50	99.0%
xylene m+p-	VOCs - Fuels	179601-23-1	EPA 8260D	0.4	µg/L	**	<0.40	99.0%
xylene o-	VOCs - Fuels	95-47-6	EPA 8260D	0.3	µg/L	**	<0.30	99.0%
xylenes total	VOCs - Fuels	1330-20-7	EPA 8260D	0.5	µg/L	**	<0.50	99.0%

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