



## QFT LABORATORY, LLC.

41 D Germay Drive, Wilmington, DE 19804  
PHONE 856-583-0445 www.enviroteklab.com  
EPA ID # DE00946 NJ DEP ID # DE009 IAPMO ID #102

# TEST RESULTS

FOR

**ProOne Water Purification Systems**

**1200 BENSTEIN ROAD**

**COMMERCE TWP. MICHIGAN, 48390**

**Shower-Head Filter Element**

**NSF/ANSI Standard 53, NSF/ANSI Standard 42, and**

**NSF/ANSI Std 401**

**Chemical Reduction Tests Results**

**ProOne®**  
**WATER FILTERS**



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## SHOWER-HEAD FILTER ELEMENT WATER TEST REPORT

Report # 18-214 (Shower-Head Filter Element)  
 Report Date: 05/01/2020  
 Customer Name: ProOne Water Purification Systems

Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Shower-Head Filter Element Effluent Concentration in µg/L	% Reduction
<b>Volatile Organic Contaminants (µg/L) NSF/ANSI Std 53</b>			
Dichlorodifluoromethane	80.1	66.3	17.2
Chloromethane	80.2	58.1	27.6
Vinylchloride	80.6	12.1	85.0
Bromomethane	80.2	80.1	0.1
Chloroethane	80.1	29.4	63.3
Trichlorofluoromethane	80.2	8.54	89.4
1,1-Dichloroethene	82.5	19.9	75.9
Methylene Chloride	81.2	6.95	91.4
trans-1,2-Dichloroethene	81.5	0	100.0
MTBE	81.5	9.1	88.8
1,1-Dichloroethane	82.2	11.7	85.8
cis-1,2-Dichloroethene	171	4.9	97.1
2,2-Dichloropropane	81.1	17.5	78.4
Bromochloromethane	80.0	9.1	88.6
Chloroform	80.1	5.6	93.0
Carbon Tetrachloride	81.0	6	92.6
1,1,1-Trichloroethane	81.2	4.2	94.8
1,1-Dichloropropene	81.2	7.3	91.0
Benzene	81.4	9.7	88.1
1,2-Dichloroethane	80.4	5	93.8
Trichloroethene	181.2	9.7	94.6
Dibromomethane	80.1	11	86.3
1,2-Dichloropropane	80.3	9.4	88.3
Bromodichloromethane	80.2	6.5	91.9
cis-1,3-Dichloropropene	50.2	5.7	88.6
Toluene	80.2	0.8	99.0
trans-1,3-Dichloropropene	81.0	9.8	87.9
Tetrachloroethene	80.1	10.1	87.4
1,1,2-Trichloroethane	151.2	8.7	94.2
Chlorodibromomethane	80.4	4.1	94.9
1,3-Dichloropropane	79.1	4.5	94.3
Ethylbenzene	82	7.5	90.9
Chlorobenzene	79.5	4.1	94.8
1,1,1,2-Tetrachloroethane	79.8	4.1	94.9
m-Xylene	70.1	7.5	89.3
o-Xylene	70.1	4.1	94.2
Styrene	80.0	4.1	94.9
Bromoform	80.2	3.3	95.9
Isopropylbenzene	80.3	9.1	88.7
n-Propylbenzene	80.2	3.4	95.8
Bromobenzene	80.2	2.8	96.5
1,1,2,2-Tetrachloroethane	81.2	2.1	97.4
1,3,5-Trimethylbenzene	80.1	8.7	89.1
2-Chlorotoluene	80.2	3.4	95.8
1,2,3-Trichloropropane	80.2	3.1	96.1
4-Chlorotoluene	80.2	6.3	92.1
tert-Butylbenzene	80.2	3.1	96.1
1,2,4-Trimethylbenzene	80.5	2.1	97.4
sec-Butylbenzene	80.3	2.8	96.5
4-Isopropyltoluene	80.2	2.8	96.5
1,3-Dichlorobenzene	80.1	0.1	99.9



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<b>Volatile Organic Contaminants (µg/L) NSF/Std 53</b>			
1,4-Dichlorobenzene	40.3	0.1	99.8
n-Butylbenzene	80.2	2.3	97.1
1,2-Dichlorobenzene	80.3	3.3	95.9
Hexachlorobutadiene	45.0	2.3	94.9
1,2,4-Trichlorobenzene	160.2	3.3	97.9
Naphthalene	80.4	0.7	99.1
1,2,3-Trichlorobenzene	80.1	0.1	99.9
<b>Heavy Metal Contaminants (µg/L) NSF/ANSI Std 53/42</b>			
Aluminum	210	54.1	74.2
Antimony	6.1	3.5	42.6
Arsenic	145.6	104.8	28.0
Beryllium	50.1	5.4	89.2
Bismuth	34.6	1.7	95.1
Cadmium	74.4	41.9	43.7
Chromium	88.5	63.0	28.8
Copper	340	151.9	55.3
Iron	387	128	66.9
Lead	92.3	35.9	61.1
Manganese	96.9	48.0	50.5
Mercury	273	56.7	79.2
Nickel	6.1	2.1	65.5
Selenium	47.7	31.8	33.3
Zinc	3000	450	85.0
<b>Pesticide Contaminants (µg/L) NSF/ANSI Std 53</b>			
4,4'-DDD	50.1	10.1	79.8
4,4'-DDE	51.2	11.2	78.1
4,4'-DDT	51.2	12.3	76.0
Alachlor	40.2	15.2	62.2
Aldrin	51.2	12.3	76.0
Alpha-BHC	50.2	12.3	75.5
Ametryn	50.2	11.2	77.7
Atraton	50.8	10.4	79.5
Atrazine	9.8	4.5	54.1
Beta-BHC	50.1	10.2	79.6
Bromacil	50.8	12.3	75.8
Carbofuran	80.3	40.5	49.6
Chlordane	40.5	21.2	47.7
Chlorneb	51.3	20.2	60.6
Chlorobenzilate	50.5	20.3	59.8
Chlorothalonil	50.2	21.5	57.2
Chlorprophane	51.2	21.6	57.8
Chlorpyrifos	51.3	21.5	58.1
Cyanizene	51.1	21.3	58.3
Delta-BHC	50.9	21	58.7
Dichlorvos	50.2	20.5	59.2
Dieldrin	50.9	20.6	59.5
Diphenamid	51.2	20.3	60.4
Disulfoton	50.4	23.5	53.4
Endosulfan Sulfate	51.0	23.3	54.3
Endrin	6.1	2.3	62.3
Endrin Aldehyde	51.5	23.2	55.0
Endrin Ketone	51.0	20.5	59.8
Endosulfan I	50.3	20.3	59.6
Endosulfan II	50.3	20.3	59.6
Ethoprop	50.4	23.1	54.2
Fenamiphos	51.2	20.3	60.4
Fenarimol	50.2	20.3	59.6
Fluoridone	50.9	20.3	60.1



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<b>Pesticide Contaminants (µg/L) NSF/ANSI Std 53</b>			
Gamma-BHC (Lindane)	2.1	0.8	61.9
Glyphosate	800	420	47.5
Heptachlor	80.0	42.1	47.4
Heptachlor Epoxide	4.0	2.3	42.5
Methoxychlor	124	52.3	57.8
Molinate	50.4	20.3	59.7
PCB's	10.4	5.3	49.0
Prometron	15.0	7.5	50.0
Simazine	12.3	6.2	49.6
Toxaphene	15.2	7.3	52.0
<b>Semivolatile Contaminants (µg/L) NSF/ANSI Std 53</b>			
Acenaphthylene	50.3	12.1	75.9
Anthracene	50.2	12.3	75.5
Benz[a]anthracene	50.8	12.5	75.4
Benzo[b]fluoranthene	51.2	10.4	79.7
Benzo[k]fluoranthene	50.2	12.2	75.7
Benzo[a]pyrene	50.6	12.5	75.3
Benzo[g,h,i]perylene	50.3	12.8	74.6
Butylbenzylphthalate	50.4	13.4	73.4
Carboxin	50.2	12.4	75.3
2-Chlorobiphenyl	50.8	12.6	75.2
Chrysene	51.2	12.4	75.8
Cycloate	50.2	12.8	74.5
Dacthal (DCPA)	50.6	12.9	74.5
Diazinon	50.2	12.6	74.9
Dibenz[a,h]anthracene	50.3	12.9	74.4
Di-n-Butylphthalate	50.4	12.8	74.6
2,3-Dichlorobiphenyl	50.1	12.6	74.9
Diethylphthalate	50.2	13.5	73.1
Di(2-ethylhexyl)adipate	50.8	11.8	76.8
Di(2-ethylhexyl)phthalate	50.3	11.9	76.3
Dimethylphthalate	50.2	12.6	74.9
EPTC	50.4	13.5	73.2
Fluorene	50.8	12.6	75.2
2,2', 3,3', 4,4', 6-Heptachlorobiphenyl	50.2	13.5	73.1
Hexachlorobenzene	50.4	13.6	73.0
2,2', 4,4', 5,6'-Hexachlorobiphenyl	50.2	13.8	72.5
Hexachlorocyclohexane, alpha	50.2	12.5	75.1
Hexachlorocyclohexane, beta	50.3	12.6	75.0
Hexachlorocyclohexane, delta	50.2	12.6	74.9
Hexachlorocyclopentadiene	50.5	12.5	75.2
Hexazinone	50.7	12.5	75.3
Indeno[1,2,3,c,d]pyrene	50.2	12.4	75.3
Isophorone	50.2	12.5	75.1
Merphos	50.2	13.6	72.9
Methyl Paraoxon	50.4	12.5	75.2
Norflurazon	50.6	13.6	73.1
2,2', 3,3', 4,5', 6,6'-Octachlorobiphenyl	50.2	13.6	72.9
Pebulate	50.8	12.8	74.8
2,2', 3', 4,6'-Pentachlorobiphenyl	50.3	12.9	74.4
Pentachlorophenol	51.2	13.4	73.8
Phenanthrene	50.1	13.6	72.9
cis-Permethrin	50.2	13.7	72.7
trans-Permethrin	50.2	13.2	73.7
Prometon	52.3	12.6	75.9
Prometryn	52.1	12.9	75.2
Pronamide	50.8	13.5	73.4
Propachlor	50.6	13.6	73.1
Propazine	50.9	14.5	71.5



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<b>Semivolatle Contaminants (µg/L) NSF/ANSI Std 53</b>			
Triademefon	49.2	14.6	70.3
2,4,5-Trichlorobiphenyl	49.5	13.6	72.5
Tricyclazole	49.4	12.8	74.1
Trifluralin	50.5	14.5	71.3
<b>Inorganic Non-Metallic Contaminants in (mg/L) NSF/ANSI Std 42</b>			
Chloramines	3.1	0.9	71.0
Free Chlorine	2.1	0.9	57.1
Chloride	250	170	32.0
Sodium Fluoride	8.3	4.3	48.2
Hexafluorosilicate	7.9	4.5	43.0
Fluorosilic Acid	8.1	4.2	48.1
Nitrates	27.5	21.0	23.6
Nitrites	2.9	0.5	82.8
<b>Herbicide Contaminants in (µg/L) NSF/ANSI Std 53</b>			
Dalapon	151	25.2	83.3
Dicamba	151	24.6	83.7
Dinosep	20.1	10.2	49.3
Dichlorporp	151	24.8	83.6
2,4-D	204	24.7	87.9
Pentachlorophenol	10.1	5.4	46.5
Picoram	150	25.1	83.3
2,4,5-T	152	25.6	83.2
2,4,5-TP (Silvex)	151	23.6	84.4
2,4-DB	152	25.1	83.5
Bentazom	150	23.5	84.3
DCPA	151	25.2	83.3
Quinclorac	151	26.5	82.5
Aciflurfen	150	26.5	82.3
<b>Emerging Compounds (µg/L) NSF/ANSI 401</b>			
Bisphenol A	2.02	<0.02	>99.0
Ibuprofen	0.45	<0.02	>95.6
Trimethoprim	0.22	<0.02	>90.9
Naproxen	0.21	<0.02	>90.5
Acetaminophen	2.44	<0.02	>99.2
Ciprofloxacin	2.60	<0.02	>99.2
Sulfamethoxazole	2.01	<0.02	>99.0
17-beta-Estradiol	2.03	<0.02	>99.0
Caffeine	1.85	<0.02	>98.9
Fluoxetine	1.91	<0.02	>99.0
Gemfibrozil	1.95	<0.02	>99.0
Triclosan	1.25	<0.02	>98.4
Estrone	0.23	<0.02	>91.3
Diclofenac Sodium	1.90	<0.02	>98.9
Primidone	1.98	<0.02	>99.0
Carbamazepine	1.45	<0.02	>98.6
Testosterone	1.44	<0.02	>98.6
Progesterone	2.08	<0.02	>99.0
4-tert-Octylphenol	2.06	<0.02	>99.0
17-alpha-Ethynylestradiol	2.18	<0.02	>99.1
4-para-Nonylphenol	2.32	<0.02	>99.1
Meprobamate	0.46	<0.02	>95.7
Erythromycin	1.46	<0.02	>98.6
4-Tert-Octylphenol	1.48	<0.02	>98.6
<b>Microbiological Contaminants in Colonies Forming Units/L (CFU/L)</b>			
Total coliform	100000 CFU/L	52000 CFU/L	48.0
Eschericia coli	50000 CFU/L	26000 CFU/L	48.0
Fecal Coliform	50000 CFU/L	28000 CFU/L	44.0



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### **CERTIFICATION OF RESULTS:**

I certify in writing that all analyses, and reporting performed herein, comply with all requirements set forth in the NSF/ANSI Std 42, 53, and 401, N.J.A.C. 7:9E and N.J.A.C. 7:18, and hereby certify that this laboratory is in compliance with all laboratory certification and quality control procedures and requirements as set forth in N.J.A.C. 7:18; the NYCRR Subpart 55-2, the National Environmental Laboratory Accreditation Conference (NELAC) Institute Standards, IAPMO, and the Water Quality Association, ISO 17025.

**Disclaimer:** The test results are only related to the filter cartridges tested, in the condition received at the laboratory.

*Jaime Young*

Jaime Young  
Lab Director

**ProOne**<sup>®</sup>  
WATER FILTERS

The reduction of contaminants or other substances that may be present in your water supply may vary depending on a wide variety of factors. The purchaser of this filter cannot rely on the results from this lab report, and there is no guarantee that the purchaser of this filter will obtain the same or similar results to those in this lab report. Actual results may vary from the results in this lab report depending upon water sources, the installation of the water filter and related products and other factors. The contaminants or other substances reduced are not necessarily present in all users' water. Some contaminants may be more easily filtered than others. Percentage of reduction will vary over the life of the filter based on the level of contaminants found in your water supply, user rate and psi of your water source. Testing was performed under standard laboratory conditions. Do not use with water that is microbiologically unsafe or of unknown water quality without adequate disinfection.

This filter is covered by a 30-day money back refund and limited warranty. For more information, see [www.prooneusa.com](http://www.prooneusa.com), Terms and Conditions.