



# ENVIROTEK LABORATORIES, INC. Test Report

1041 Glassboro Road Suite D-1, Williamstown NJ 08094  
PHONE 856-533-0445 [www.enviroteklab.com](http://www.enviroteklab.com)  
EPA ID # NJ01298 IAPMO ID# 000102 ANAB Cert ID AT-2866

## **TEST RESULTS**

**FOR**

**Doulton Water Filters**

**LYMEDALE CROSS, LOWER MILEHOUSE LANE  
STAFFORDSHIRE, UK, ST5 9BT**

**Filter Element Biotect Ultra**

**NSF/ANSI Standards 42, 53, and 401**

**Chemical Reduction Tests Results**



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## BIOTECH ULTRA WATER TEST REPORT

Report # 17-202 (BIOTECH ULTRA)

Report Date: 11/01/2017

Customer Name: Doulton Water Filters

### Introduction

The following test results summarizes the performances of Doulton BIOTECH ULTRA filters when tested using a 10% on and 90% off schedule at a flow rate of 0.5 USGPM. The Doulton BIOTECH ULTRA filters were tested using a range of VOCs, Pesticides, Herbicides, Semivolatile, Metals, Inorganic Non-Metals, and Emerging Contaminants to a capacity of 100 USG, with sampling points every 25 USG. The influent and effluent plus the starting and 100 USG filtration efficiencies for each contaminant are recorded in the following result tables.

Contaminant Tested	Influent Water	Filter Start	% Reduction start	25 gallons	50 gallons	75 gallons	100 gallons	% Reduction @ 100 gallons
<b>Volatile Organic Compounds in µg/L</b>								
Chloromethane	18.02	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Vinylchloride	18.25	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Bromomethane	12.53	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chloroethane	18.16	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Fluorotrichloromethane	18.13	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 1-Dichloroethene	83.20	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Methylene Chloride	18.06	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
trans-1, 2-Dichloroethene	86.30	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>MTBE</b>	<b>77.34</b>	<b>&lt;0.1</b>	<b>99.8</b>	<b>0.12</b>	<b>0.23</b>	<b>0.42</b>	<b>0.62</b>	<b>99.2</b>
1, 1-Dichloroethane	19.74	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
cis-1, 2-Dichloroethene	170.20	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
2, 2-Dichloropropane	10.25	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Bromochloromethane	18.75	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Chloroform</b>	<b>75.40</b>	<b>0.52</b>	<b>99.3</b>	<b>1.76</b>	<b>2.39</b>	<b>5.62</b>	<b>8.74</b>	<b>88.4</b>
Carbon Tetrachloride	78.50	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 1, 1-Trichloroethane	84.20	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 1-Dichloropropane	8.86	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Benzene	81.50	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 2-Dichloroethane	88.25	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Trichloroethene	180.00	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Dibromomethane	18.29	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 2-Dichloropropane	80.10	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Bromodichloromethane	75.00	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
cis-1, 3-Dichloropropene	79.50	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Toluene	78.30	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
trans-1, 3-Dichloropropene	18.96	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Tetrachloroethene	81.60	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 1, 2-Trichloroethane	18.22	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chlorodibromomethane	75.30	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 3-Dichloropropane	18.31	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Ethylene Dibromide (EDB)	44.80	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Ethylbenzene	88.20	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chlorobenzene	77.20	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
m and p-Xylene	46.33	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
o-Xylene	23.20	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Styrene	150.40	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Bromoform	75.90	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Isopropylbenzene	6.78	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
n-propylbenzene	9.37	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Bromobenzene	12.58	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>1, 1, 2, 2-Tetrachloroethane</b>	<b>81.20</b>	<b>&lt;0.1</b>	<b>99.9</b>	<b>0.28</b>	<b>0.35</b>	<b>0.41</b>	<b>0.50</b>	<b>99.4</b>
1, 3, 5-Trimethylbenzene	9.40	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+



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Contaminant Tested	Influent Water	Filter Start	% Reduction @ start	25 gallons	50 gallons	75 gallons	100 gallons	% Reduction @ 100 gallons
<b>Volatile Organic Compounds in µg/L</b>								
2-Chlorotoluene	10.08	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 2, 3-Trichloropropane (TCP)	18.21	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
4-Chlorotoluene	10.95	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Tert-Butylbenzene	10.14	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 2, 4-Trimethylbenzene	9.69	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>sec-Butylbenzene</b>	<b>7.84</b>	<b>&lt;0.1</b>	<b>98.4</b>	<b>0.21</b>	<b>0.35</b>	<b>0.42</b>	<b>0.55</b>	<b>93.0</b>
4-Isopropyltoluene	10.37	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 3-Dichlorobenzene	40.20	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1, 4-Dichlorobenzene	40.20	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>n-Butylbenzene</b>	<b>10.50</b>	<b>&lt;0.1</b>	<b>99.0</b>	<b>0.21</b>	<b>0.36</b>	<b>0.40</b>	<b>0.58</b>	<b>94.5</b>
<b>1, 2-Dichlorobenzene</b>	<b>80.30</b>	<b>&lt;0.1</b>	<b>99.9</b>	<b>0.22</b>	<b>0.34</b>	<b>0.41</b>	<b>0.58</b>	<b>99.3</b>
1, 2-Dibromo-3-Chloropropane	52.40	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Hexachlorobutadiene</b>	<b>44.90</b>	<b>&lt;0.1</b>	<b>99.8</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.43</b>	<b>1.93</b>	<b>95.7</b>
1, 2, 4-Trichlorobenzene	13.59	<0.1	99.9+	<0.1	<0.1	<b>0.35</b>	<b>1.63</b>	88.0
Naphthalene	160.90	<0.1	99.9+	<0.1	<0.1	<b>0.25</b>	<b>1.96</b>	98.8
<b>1, 2, 3-Trichlorobenzene</b>	<b>14.22</b>	<b>&lt;0.1</b>	<b>99.3</b>	<b>&lt;0.1</b>	<b>0.32</b>	<b>0.40</b>	<b>2.19</b>	<b>84.6</b>
Bromoacetonitrile	22.50	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Dibromoacetonitrile	24.60	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Dichloroacetonitrile	9.60	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Trichloroacetonitrile	15.00	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1,1-Dichloro-2-propanone	7.20	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1,1,1-Trichloro-2-propanone	14.26	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Metals in µg/L</b>								
<b>Aluminum</b>	<b>3030.0</b>	<b>16.5</b>	<b>99.5</b>	<b>630</b>	<b>688</b>	<b>758</b>	<b>764</b>	<b>74.8</b>
Antimony	6.1	<1	99.9+	<1	<1	<1	<1	99.9+
<b>Arsenic (Total)</b>	<b>50.5</b>	<b>9.3</b>	<b>81.6</b>	<b>10.2</b>	<b>9.0</b>	<b>9.3</b>	<b>8.5</b>	<b>83.2</b>
Beryllium	50.3	<1	99.9+	<1	<1	<1	1.2	97.6
Barium	10100.0	<1	99.9+	<1	<1	<1	<1	99.9+
<b>Bismuth</b>	<b>50.5</b>	<b>2.7</b>	<b>94.5</b>	<b>4.5</b>	<b>8.3</b>	<b>8.7</b>	<b>11.70</b>	<b>76.8</b>
Cadmium	30.8	<1	99.9+	<1	<1	<1	<1	99.9+
<b>Chromium</b>	<b>308</b>	<b>2.7</b>	<b>99.1</b>	<b>8.1</b>	<b>7.9</b>	<b>7.7</b>	<b>8.0</b>	<b>97.4</b>
Copper	3050	<1	99.9+	2.3	1.7	<1	1.4	99.9+
<b>Iron</b>	<b>3070</b>	<b>42</b>	<b>98.6</b>	<b>37</b>	<b>42</b>	<b>45</b>	<b>51</b>	<b>98.3</b>
Lead	151	<1	99.9+	<1	<1	<1	<1	99.9+
<b>Manganese</b>	<b>998</b>	<b>1.3</b>	<b>99.9</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>1.3</b>	<b>1.3</b>	<b>99.9</b>
Mercury	6.1	<0.5	99.9+	<0.5	<0.5	<0.5	<0.5	99.9+
<b>Nickel</b>	<b>104.0</b>	<b>9.4</b>	<b>91.0</b>	<b>2.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.20</b>	<b>98.8</b>
<b>Selenium</b>	<b>102</b>	<b>1.5</b>	<b>98.5</b>	<b>2.9</b>	<b>2.6</b>	<b>2.1</b>	<b>1.7</b>	<b>98.3</b>
<b>Silver</b>	<b>151</b>	<b>2.1</b>	<b>98.6</b>	<b>4.2</b>	<b>7.1</b>	<b>9.4</b>	<b>14.9</b>	<b>90.1</b>
Thalium	6	<1	99.9+	<1	<1	<1	<1	99.9+
Zinc	10100.0	<1	99.9+	3.4	1.2	1.1	1.0	99.9+
<b>Pesticides in µg/L</b>								
Alachlor	52.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Hexachlorobenzene	54.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Hexachlorocyclopentadiene	56.9	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Delta-BHC	49.4	<0.1	99.9+	<0.1	<0.1	<0.1	<b>0.1</b>	99.8
Propachlor	51.8	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Molinate	54.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Alpha-BHC	47.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Beta-BHC	47.9	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Gamma-BHC (Lindane)</b>	<b>49.3</b>	<b>&lt;0.1</b>	<b>99.8</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.2</b>	<b>99.6</b>
Atrazine	101.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Simazine	52.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Metribuzin	52.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Heptachlor	47.6	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Metolachlor	50.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Butylate	44.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
2,4-D	50.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Aldrin	45.8	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+



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<b>Pesticides in µg/L</b>								
Heptachlor Epoxide	51.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Trans-Chlordane (Nonachlor)</b>	<b>49.5</b>	<b>&lt;0.1</b>	<b>99.8</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>99.4</b>
Butachlore	49.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Endosulfan I	43.9	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Cis-Chlordane</b>	<b>49.8</b>	<b>&lt;0.1</b>	<b>99.8</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.2</b>	<b>99.6</b>
p,p'-DDE	57.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Dieldrin	47.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Endrin	63.9	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Endosulfan II	33.7	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
p,p'-DDD	44.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Endrin Aldehyde	46.1	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
p,p'-DDT	59.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Endosulfan Sulfate	51.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Endrin Ketone	47.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Methoxychlor	49.1	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Bromacil	50.1	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Carbofuran	80.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chlorneb	49.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chlorthalonil	51.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chlorpropane	52.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chlorpyrifos	51.6	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Cyanazine	50.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Dichlorvos	51.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Diphenamid	51.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Disulfoton	50.7	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Fenamiphos	51.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Fenarimol	51.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Fluoridone	49.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Ethoprop	48.9	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Toxaphene	15.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
PCB's	10.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Glyphosate	802.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Semivolatiles in µg/L</b>								
N-Nitrosodimethylamine	50.7	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Phenol</b>	<b>50.9</b>	<b>&lt;0.1</b>	<b>99.9+</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.51</b>	<b>99.0</b>
Bis(2-chloroethyl) ether	49.7	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>2-Chlorophenol</b>	<b>49.9</b>	<b>&lt;0.1</b>	<b>99.9+</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.54</b>	<b>98.9</b>
1,3-Dichlorobenzene	49.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1,4-Dichlorobenzene	49.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1,2-Dichlorobenzene	49.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
2,2-Oxybis(1-chloropropane)	49.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Hexachloroethane	48.1	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
N-Nitroso-di-n-propylamine	49.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Nitrobenzene	48.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Isophrone	51.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
2-Nitrophenol	48.8	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
2,2-Dimethylphenol	48.1	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Bis(2-chloroethoxy)methane	50.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
2,4-Dichlorophenol	48.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
1,2,4-Trichlorobenzene	48.8	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Naphthalene	48.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Hexachlorobutadiene	52.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
4-Chloro-3-methylphenol	49.1	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Hexachlorocyclopentadiene	50.7	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
2,4,6-Trichlorophenol	50.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
2-Chloronaphthalene	49.1	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Acenaphthylene	49.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Dimethylphthalate	49.9	<0.5	99.9+	<0.5	<0.5	<0.5	0.65	98.9
2,6-Dinitrotoluene	46.6	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Acenaphthene	52.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+



# ENVIROTEK LABORATORIES, INC. Test Report

1041 Glassboro Road Suite D-1, Williamstown NJ 08094

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EPA ID # NJ01298 IAPMO ID# 000102 ANAB Cert ID AT-2866

Contaminant Tested	Influent Water	Filter Start	% Reduction @ start	25 gallons	50 gallons	75 gallons	100 gallons	% Reduction @ 100 gallons
<b>Semivolatiles in µg/L</b>								
2,4-Dinitrophenol	50.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
2,4-Dinitrotoluene	49.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
4-Nitrotoluene	47.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Fluorene	47.9	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
4-Chlorophenyl phenyl ether	49.8	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Diethylphthalate</b>	<b>49.2</b>	<b>&lt;0.1</b>	<b>99.9+</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.40</b>	<b>0.75</b>	<b>98.7</b>
Dinitro-o-cresol	48.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Diphenylamine	51.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
4-Bormophenyl phenyl ether	46.8	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Haxachlorobenzene	46.8	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Pentachlorophenol</b>	<b>50.3</b>	<b>&lt;0.1</b>	<b>99.9+</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.32</b>	<b>0.62</b>	<b>98.8</b>
Phenanthrene	49.9	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Anthracene	49.8	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Di-n-butylphthalate	50.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Fluoranthene	50.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Pyrene	49.7	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Benzyl butyl phthalate	50.9	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Benzo(a) anthracene	50.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chrysene	50.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Bis(2-ethylhexyl) phthalate	52.0	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Di-n-octyl phthalate</b>	<b>53.2</b>	<b>&lt;0.1</b>	<b>99.8</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.36</b>	<b>0.85</b>	<b>98.4</b>
Benzo(b) fluoranthene	52.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Benzo(k) fluoranthene	52.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Benzo(a) pyrene</b>	<b>50.6</b>	<b>&lt;0.1</b>	<b>99.8</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.41</b>	<b>0.62</b>	<b>98.8</b>
Indeno(1,2,3-cd) pyrene	50.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Dibenzo(a,h)anthracene	50.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Benzo(g,h,i) perylene	50.7	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Inorganic Non-Metals in mg/L</b>								
Chlorine	2.00	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chloramine	3.10	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Chloride	248.0	<0.1	99.9+	<0.1	<0.1	<0.1	0.10	99.9+
Fluoride	8.00	<0.01	99.9+	<0.01	0.02	0.05	0.13	98.4
Hexafluorosilicate	7.98	<0.01	99.9+	<0.01	0.03	0.06	0.15	98.1
Fluosilicic Acid	8.10	<0.01	99.9+	<0.01	0.02	0.04	0.13	98.4
Nitrate	27.00	<0.1	99.9+	<0.1	0.1	0.2	0.5	98.1
Nitrite	3.00	<0.01	99.9+	<0.01	<0.01	<0.01	<0.01	99.9+
<b>Herbicides in µg/L</b>								
<b>Dalapon</b>	<b>270.1</b>	<b>&lt;0.1</b>	<b>99.9+</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.2</b>	<b>99.9</b>
3,5-Dichlorobenzoic	29.1	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Dicamba	150.2	<0.1	99.9+	<0.1	<0.1	<0.1	<b>0.3</b>	99.8
<b>Diclorprop</b>	<b>150.5</b>	<b>&lt;0.1</b>	<b>99.9+</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.2</b>	<b>99.9</b>
2,4-D	20.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Pentachlorophenol	21.3	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>2,4,5-T</b>	<b>150.6</b>	<b>&lt;0.1</b>	<b>99.9+</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.2</b>	<b>99.9</b>
Chloramben	29.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>2,4,5-TP</b>	<b>18.2</b>	<b>&lt;0.1</b>	<b>99.5+</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.1</b>	<b>99.5</b>
2,4-DB	30.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Dinosep	50.4	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Bentazon	38.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Picloram	39.2	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
DCPA	43.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Quinclorac	43.5	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
Acifluoren	42.1	<0.1	99.9+	<0.1	<0.1	<0.1	<0.1	99.9+
<b>Emerging Contaminants in µg/L</b>								
Bisphenol A	18.38	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Ibuprofen	19.26	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Trimethoprim	19.00	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Naproxen	18.79	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Acetaminophen	16.42	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+



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EPA ID # NJ01298 IAPMO ID# 000102 ANAB Cert ID AT-2866

Contaminant Tested	Influent Water	Filter Start	% Reduction @ start	25 gallons	50 gallons	75 gallons	100 gallons	% Reduction @ 100 gallons
<b>Emerging Contaminants in µg/L</b>								
Ciprofloxacin	17.67	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Sulfamethoxazole	18.15	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
17-beta-Estradiol	18.99	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Caffeine	17.32	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Fluoxetine	17.31	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Gemfibrozil	18.92	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Triclosan	17.24	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Estrone	15.92	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Diclofenac Sodium	16.19	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Primidone	14.97	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
Carbamazepine	14.23	<0.02	99.9+	<0.02	<0.02	<0.02	<0.02	99.9+
<b>Testosterone</b>	<b>15.44</b>	<b>0.09</b>	<b>99.4</b>	<b>0.85</b>	<b>&lt;0.02</b>	<b>&lt;0.02</b>	<b>&lt;0.02</b>	<b>99.9+</b>
<b>Progesterone</b>	<b>15.08</b>	<b>0.05</b>	<b>99.7</b>	<b>0.15</b>	<b>0.35</b>	<b>0.78</b>	<b>1.40</b>	<b>90.7</b>
<b>4-tert-Octylphenol</b>	<b>20.75</b>	<b>0.24</b>	<b>98.8</b>	<b>0.35</b>	<b>0.54</b>	<b>0.77</b>	<b>1.97</b>	<b>90.5</b>
<b>17-alpha-Ethynylestradiol</b>	<b>22.44</b>	<b>0.34</b>	<b>98.5</b>	<b>&lt;0.02</b>	<b>&lt;0.02</b>	<b>&lt;0.02</b>	<b>0.25</b>	<b>98.9</b>
<b>4-pa-Nonylphenol</b>	<b>20.28</b>	<b>0.25</b>	<b>98.7</b>	<b>0.46</b>	<b>0.65</b>	<b>0.74</b>	<b>1.99</b>	<b>90.2</b>

**CERTIFICATION OF RESULTS:**

I certify in writing that all analyses, and reporting performed herein, comply with all requirements set forth in 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, and the 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