

ENVIROTEK LABORATORIES, INC.

120 White Owl Trail, Mullica Hill, NJ 08062

EPA ID # NJ01298 NJ DEP ID # 08012

TEST RESULTS

Filter Element #1

NSF Standard 53, and NSF Standard 42

Chemical Reduction Tests Results

ENVIROTEK LABORATORIES, INC.

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FILTER ELEMENT #1 WATER TEST REPORT

Report # 15-116 (Filter Element #1)

Report Date: 06/11/2015

Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Filter Element #1 Effluent Concentration in µg/L	% Reduction
Volatile Organic Contaminants µg/L			
Dichlorodifluoromethane	80.5	0.1	99.9
Chloromethane	80.2	0.1	99.9
Vinylchloride	80.3	1.0	98.8
Bromomethane	80.5	0.2	99.8
Chloroethane	80.2	1.9	97.6
Trichlorofluoromethane	81.1	3.49	95.7
1,1-Dichloroethene	83.0	0.3	99.6
Methylene Chloride	81.2	1.7	97.9
trans-1,2-Dichloroethene	81.5	0.1	99.9
MTBE	81.5	3.0	96.3
1,1-Dichloroethane	82.2	0.1	99.9
cis-1,2-Dichloroethene	170.1	0.1	99.9
2,2-Dichloropropane	81.1	0.1	99.9
Bromochloromethane	80.0	0.1	99.9
Chloroform	80.1	1.4	98.3
Carbon Tetrachloride	81.0	0.1	99.9
1,1,1-Trichloroethane	81.2	0.1	99.9
1,1-Dichloropropene	81.2	0.1	99.9
Benzene	81.4	0.1	99.9
1,2-Dichloroethane	80.4	0.2	99.8
Trichloroethene	180.3	0.2	99.9
Dibromomethane	80.1	0.5	99.4
1,2-Dichloropropane	80.3	0.8	99.0
Bromodichloromethane	80.2	1.1	98.6
cis-1,3-Dichloropropene	50.2	0.2	99.6
Toluene	80.2	0.2	99.8
trans-1,3-Dichloropropene	81.0	0.1	99.9
Tetrachloroethene	80.1	0.1	99.9
1,1,2-Trichloroethane	150.3	0.1	99.9
Chlorodibromomethane	80.4	0.1	99.9
1,3-Dichloropropane	79.1	0.4	99.5
Ethylbenzene	82.0	0.7	99.1
Chlorobenzene	79.5	0.1	99.9
1,1,1,2-Tetrachloroethane	79.8	0.1	99.9
m-Xylene	70.1	0.1	99.9
o-Xylene	70.1	0.1	99.9
Styrene	80.0	0.1	99.9
Bromoform	80.2	0.8	99.0
Isopropylbenzene	80.3	0.1	99.9
n-Propylbenzene	80.2	0.1	99.9
Bromobenzene	80.0	0.1	99.9
1,1,2,2-Tetrachloroethane	81.0	0.1	99.9
1,3,5-Trimethylbenzene	80.1	0.1	99.9
2-Chlorotoluene	80.2	0.4	99.5
1,2,3-Trichloropropane	80.2	0.3	99.6
4-Chlorotoluene	80.2	0.4	99.5
tert-Butylbenzene	80.2	0.1	99.9
1,2,4-Trimethylbenzene	80.5	0.1	99.9
sec-Butylbenzene	80.3	0.1	99.9
4-Isopropyltoluene	80.2	0.2	99.8
1,3-Dichlorobenzene	80.1	0.1	99.9
1,4-Dichlorobenzene	40.3	0.1	99.8
n-Butylbenzene	80.2	0.1	99.9
1,2-Dichlorobenzene	80.3	0.1	99.9

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Volatile Organic Contaminants µg/L			
Hexachlorobutadiene	44.0	0.2	99.5
1,2,4-Trichlorobenzene	160.2	0.1	99.9
Naphthalene	80.4	0.9	98.9
1,2,3-Trichlorobenzene	80.1	0.5	99.4
Heavy Metal Contaminants µg/L			
Aluminum	220	4.3	98.0
Antimony	6.2	0	100
Arsenic	310	2.7	99.7
Beryllium	50.3	0.2	99.6
Bismuth	50.1	1.2	97.6
Cadmium	30.2	0.0	100.0
Chromium	302	3.9	98.7
Copper	3050	310	89.8
Iron	3030	31	99.0
Lead	152	0.0	100.0
Manganese	1020	2.9	99.7
Mercury	6.1	0.1	98.4
Nickel	102	0.7	99.3
Selenium	106	0.0	100.0
Zinc	102	0.0	100.0
Pesticide Contaminants µg/L			
4,4'-DDD	50.2	0.1	99.8
4,4'-DDE	50.3	0.1	99.8
4,4'-DDT	50.4	0.1	99.8
Alachlor	40.4	0.2	99.5
Aldrin	50.2	0.1	99.8
Alpha-BHC	49.8	0.1	99.8
Ametryn	50.0	0.1	99.8
Atraton	51.2	0.1	99.8
Atrazine	9.9	0.1	99.0
Beta-BHC	49.9	0.1	99.8
Bromacil	51.2	0.1	99.8
Carbofuran	80.2	0.1	99.9
Chlordane	40.2	0.2	99.5
Chlorneb	51.0	0.3	99.4
Chlorobenzilate	49.9	0.3	99.4
Chlorothalonil	50.2	0.2	99.6
Chlorprophane	51.2	0.2	99.6
Chlorpyrifos	51.3	0.2	99.6
Cyanizene	51.1	0.3	99.4
Delta-BHC	50.9	0.4	99.2
Dichlorvos	50.2	0.3	99.4
Dieldrin	50.9	0.5	99.0
Diphenamid	51.2	0.8	98.4
Disulfoton	50.4	0.9	98.2
Endosulfan Sulfate	51.0	0.5	99.0
Endrin	6.1	0.8	86.9
Endrin Aldehyde	51.5	0.7	98.6
Endrin Ketone	51.0	0.6	98.8
Endosulfan I	49.8	0.4	99.2
Endosulfan II	50.3	0.8	98.4
Ethoprop	50.4	0.9	98.2
Fenamiphos	51.2	0.6	98.8
Fenarimol	50.4	0.9	98.2
Fluoridone	51.4	0.3	99.4
Gamma-BHC (Lindane)	2.1	0.1	95.2
Glyphosate	798	0.2	100.0
Heptachlor	80.0	0.6	99.3
Heptachlor Epoxide	4.0	0.6	85.0
Methoxychlor	122	0.8	99.3
Molinate	50.4	0.6	98.8
PCB's	10.4	0.7	93.3

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Pesticide Contaminants µg/L			
Prometon	50.1	0.2	99.6
Simazine	12.0	0.1	99.2
Toxaphene	15.3	0.1	99.3
Semivolatile Contaminants µg/L			
Acenaphthylene	50.2	1	98.0
Anthracene	50.2	1.1	97.8
Benz[a]anthracene	51.8	1.1	97.9
Benzo[b]fluoranthene	50.4	1.2	97.6
Benzo[k]fluoranthene	50.4	1.3	97.4
Benzo[a]pyrene	51.9	1.2	97.7
Benzo[g,h,i]perylene	50.2	1	98.0
Butylbenzylphthalate	50.4	1.2	97.6
Carboxin	50.5	1.1	97.8
2-Chlorobiphenyl	50.4	1.2	97.6
Chrysene	50.5	1.3	97.4
Cycloate	49.8	0.5	99.0
Dacthal (DCPA)	49.6	0.5	99.0
Diazinon	50.2	0.6	98.8
Dibenz[a,b]anthracene	50.3	0.8	98.4
Di-n-Butylphthalate	51.4	0.9	98.2
2,3-Dichlorobiphenyl	52.3	0.9	98.3
Diethylphthalate	50.2	0.9	98.2
Di(2-ethylhexyl)adipate	51.2	0.2	99.6
Di(2-ethylhexyl)phthalate	50.3	0.8	98.4
Dimethylphthalate	51.8	0.2	99.6
EPTC	52.3	0.8	98.5
Fluorene	51.2	0.9	98.2
2,2', 3,3', 4,4', 6-Heptachlorobiphenyl	50.0	0.8	98.4
Hexachlorobenzene	49.9	0.9	98.2
2,2', 4,4', 5,6'-Hexachlorobiphenyl	51.2	0.6	98.8
Hexachlorocyclohexane, alpha	50.0	0.9	98.2
Hexachlorocyclohexane, beta	50.2	0.9	98.2
Hexachlorocyclohexane, delta	50.4	0.9	98.2
Hexachlorocyclopentadiene	51.9	0.9	98.3
Hexazinone	51.4	0.2	99.6
Indeno[1,2,3,c,d]pyrene	50.1	0.8	98.4
Isophorone	50.0	0.2	99.6
Merphos	50.5	0.2	99.6
Methyl Paraoxon	50.8	0.2	99.6
Norflurazon	50.4	0.2	99.6
2,2', 3,3', 4,5', 6,6'-Octachlorobiphenyl	51.2	0.2	99.6
Pebulate	50.8	0.2	99.6
2,2', 3', 4,6'-Pentachlorobiphenyl	49.2	0.5	99.0
Pentachlorophenol	51.2	0.5	99.0
Phenanthrene	50.1	0.5	99.0
cis-Permethrin	50.2	0.2	99.6
trans-Permethrin	49.0	0.5	99.0
Prometon	51.0	0.5	99.0
Prometryn	51.0	0.2	99.6
Pronamide	49.0	0.3	99.4
Propachlor	50.0	0.3	99.4
Propazine	50.9	0.6	98.8
Triademefon	49.2	0.9	98.2
2,4,5-Trichlorobiphenyl	49.0	0.2	99.6
Tricyclazole	49.4	0.5	99.0
Trifluralin	50.5	0.2	99.6
Vernolate	50.2	0.3	99.4
Disinfectant and Inorganic Non-Metallic Contaminants in mg/L			
Chloramines	3.1	<0.1	99.9
Free Chlorine	2.1	<0.1	99.9
Chloride	250	0.1	99.9
Sodium Fluoride	8.0	0.2	97.5

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Disinfectant and Inorganic Non-Metallic Contaminants in mg/L			
Hexafluorosilicate	8.3	0.5	94.0
Fluorosilic Acid	8.1	0.3	96.3
Nitrates	27.2	0.5	98.2
Nitrites	2.9	<0.1	100.0
Herbicide Contaminants in µg/L			
Dalapon	152	0.1	99.9
Dicamba	150	0.5	99.7
Dinosep	20.2	0.9	95.5
Dichloroporp	150	0.8	99.5
2,4-D	210	0.7	99.7
Pentachlorophenol	10.2	0.8	92.2
Picoram	151	0.5	99.7
2,4,5-T	152	0.9	99.4
2,4,5-TP (Silvex)	151	0.8	99.5
2,4-DB	150	1.2	99.2
Bentazom	149	0.9	99.4
DCPA	149	1.3	99.1
Quinclorac	151	0.9	99.4
Aciflurfen	149	0.7	99.5
Pharmaceutical Drugs Contaminants in µg/L			
Acetaminofen	20.2	0.8	96.0
Caffeine	19.8	0.9	95.5
Carbamazepine	20.3	0.8	96.1
Ciprofloxacin HCl	20.4	0.9	95.6
Erythromycin USP	20.5	0.7	96.6
Sulfamethoxazole	20.6	0.5	97.6
Trimethoprim	21.0	0.4	98.1
Bisphenol A	20.9	0.9	95.7
Diclofenac Sodium	19.6	0.9	95.4
4-para-Nonylphenol	20.0	0.6	97.0
4-tert-Octylphenol	20.4	0.8	96.1
Primidone	20.9	0.9	95.7
Progesterone	20.5	1.1	94.6
Gemfibrozil	20.4	1.2	94.1
Ibuprofen	20.3	0.9	95.6
Naproxen Sodium	20.2	0.9	95.5
Triclosan	20.9	1.1	94.7



Jaime Young
Lab Director