



ENVIROTEK LABORATORIES, INC.

33 Third Street, Bordentown, NJ 08505

PHONE 856-583-0445 www.enviroteklab.com

EPA ID # NJ01298 NJ DEP ID # 03048 NY ELAP ID# 12044

TEST RESULTS

FOR

Ceramic Filters Company

11617 WAMPLERS LAKE ROAD

BROOKLYN, MICHIGAN, 49230

AquaCera CeraMetix Filter

NSF Standard 53, and NSF Standard 42

Chemical Reduction Tests Results



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CERAMETIX FILTERED WATER TEST REPORT

Report # 16-112 (AquaCera CeraMetix Filter)

Report Date: 04/09/2016

Customer Name: Ceramic Filters Company

Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	CeraMetix Filter Ststem Effluent Concentration in µg/L	% Reduction
Volatile Organic Contaminants µg/L			
Dichlorodifluoromethane	80.2	0.85	98.9
Chloromethane	80.2	2.37	97.0
Vinylchloride	80.3	0.54	99.3
Bromomethane	80.4	1.51	98.1
Chloroethane	80.5	0.79	99.0
Trichlorofluoromethane	81.2	0.46	99.4
1,1-Dichloroethene	83.2	0.41	99.5
Methylene Chloride	81.2	1.70	97.9
trans-1,2-Dichloroethene	86.2	1.12	98.7
MTBE	80.4	1.97	97.6
1,1-Dichloroethane	79.2	0.48	99.4
cis-1,2-Dichloroethene	170.2	1.20	99.3
2,2-Dichloropropane	79.2	0.62	99.2
Bromochloromethane	79.5	0.74	99.1
Chloroform	80.1	0.73	99.1
Carbon Tetrachloride	78.4	0.46	99.4
1,1,1-Trichloroethane	84.1	0.75	99.1
1,1-Dichloropropene	79.4	3.84	95.2
Benzene	81.2	0.67	99.2
1,2-Dichloroethane	88.2	2.82	96.8
Trichloroethene	180.4	4.19	97.7
Dibromomethane	79.6	0.89	98.9
1,2-Dichloropropane	80.2	1.23	98.5
Bromodichloromethane	80.1	0.32	99.6
cis-1,3-Dichloropropene	52.3	1.14	97.8
Toluene	78.2	0.42	99.5
trans-1,3-Dichloropropene	79.8	0.57	99.3
Tetrachloroethene	79.2	0.22	99.7
1,1,2-Trichloroethane	150.4	1.74	98.8
Chlorodibromomethane	80.4	0.32	99.6
1,3-Dichloropropane	79.2	0.78	99.0
Ethylbenzene	88.2	0.55	99.4
Chlorobenzene	77.2	0.30	99.6
1,1,1,2-Tetrachloroethane	79.2	0.39	99.5
m-Xylene	70.1	0.32	99.5
o-Xylene	70.1	0.37	99.5
Styrene	80.1	2.33	97.1
Bromoform	80.1	0.32	99.6
Isopropylbenzene	80.2	1.84	97.7
n-Propylbenzene	80.4	0.82	99.0
Bromobenzene	80.3	0.51	99.4
1,1,2,2-Tetrachloroethane	81.4	0.20	99.7
1,3,5-Trimethylbenzene	80.2	0.54	99.3
2-Chlorotoluene	80.2	0.36	99.6
1,2,3-Trichloropropane	80.5	0.45	99.4
Dichlorodifluoromethane	81.2	0.68	99.2
Chloromethane	80.5	0.59	99.3
Vinylchloride	80.2	2.24	97.2
Bromomethane	80.3	0.50	99.4
Chloroethane	80.5	0.47	99.4
Trichlorofluoromethane	80.4	0.34	99.6
1,1-Dichloroethene	40.5	0.28	99.3
Methylene Chloride	80.2	0.69	99.1



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Volatile Organic Contaminants µg/L			
trans-1,2-Dichloroethene	80.2	0.45	99.4
4-Chlorotoluene	81.2	0.68	99.2
tert-Butylbenzene	80.5	0.59	99.3
1,2,4-Trimethylbenzene	80.2	2.24	97.2
sec-Butylbenzene	80.3	0.50	99.4
4-Isopropyltoluene	80.5	0.47	99.4
1,3-Dichlorobenzene	80.4	0.34	99.6
1,4-Dichlorobenzene	40.5	0.28	99.3
n-Butylbenzene	80.2	0.69	99.1
1,2-Dichlorobenzene	80.2	0.45	99.4
Hexachlorobutadiene	44.2	0.19	99.6
1,2,4-Trichlorobenzene	160.2	1.81	98.9
Naphthalene	80.2	0.69	99.1
1,2,3-Trichlorobenzene	80.3	1.10	98.6
Heavy Metal Contaminants µg/L			
Aluminum	200	2.13	98.9
Antimony	6.0	0.18	97.0
Arsenic	302	14.60	95.2
Beryllium	50	0.94	98.1
Bismuth	50	0.94	98.1
Cadmium	30	0.29	99.0
Chromium	304	1.70	99.4
Copper	3010	14.93	99.5
Iron	3020	63.18	97.9
Lead	148	1.93	98.7
Manganese	1010	24.69	97.6
Mercury	6.0	0.04	99.4
Nickel	100	0.70	99.3
Selenium	104	0.81	99.2
Zinc	104	0.81	99.2
Pesticide Contaminants µg/L			
4,4'-DDD	50.2	1.2	97.6
4,4'-DDE	50.1	1.5	97.0
4,4'-DDT	50.2	1.3	97.4
Alachlor	39.2	0.9	97.7
Aldrin	50.2	1.4	97.2
Alpha-BHC	49.8	0.8	98.4
Ametryn	50.1	1.2	97.6
Atraton	51.3	1.3	97.5
Atrazine	9.1	1.4	84.6
Beta-BHC	49.2	1.5	97.0
Bromacil	51.2	0.8	98.4
Carbofuran	80.2	1.8	97.8
Chlordane	40.1	1.8	95.5
Chlorneb	51.2	1.4	97.3
Chlorobenzilate	49.5	1.2	97.6
Chloroethalonil	50.1	0.9	98.2
Chlorprophane	51.5	1.8	96.5
Chlorpyrifos	51.4	1.2	97.7
Cyanizene	51	1.4	97.3
Delta-BHC	50.1	1.2	97.6
Dichlorvos	50.1	1.2	97.6
Dieldrin	49.4	1.3	97.4
Diphenamid	51.2	1.1	97.9
Disulfoton	50.1	0.6	98.8
Endosulfan Sulfate	51.1	0.5	99.0
Endrin	6.2	0.8	87.1
Endrin Aldehyde	51.2	0.5	99.0
Endrin Ketone	52.1	0.6	98.8
Endosulfan I	49.8	0.7	98.6
Endosulfan II	50.2	0.5	99.0
Ethoprop	50.2	0.6	98.8
Fenamiphos	51.2	0.5	99.0



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Pesticide Contaminants µg/L			
Fenarimol	50.2	0.6	98.8
Fluoridone	51.4	0.8	98.4
Gamma-BHC (Lindane)	2.2	0.8	63.6
Glyphosate	790	0.9	99.9
Heptachlor	81.1	0.7	99.1
Heptachlor Epoxide	4.2	0.8	81.0
Methoxychlor	120	1.2	99
Molinate	50.2	0.9	98.2
PCB's	10.2	0.5	95.1
Prometron	50.2	0.6	98.8
Simazine	12.3	0.5	95.9
Toxaphene	15.2	0.5	96.7
Semivolatile Contaminants µg/L			
Acenaphthylene	50.2	1.2	97.6
Anthracene	50.1	1.4	97.2
Benz[a]anthracene	52.4	1.5	97.1
Benzo[b]fluoranthene	50.4	1.3	97.4
Benzo[k]fluoranthene	50.1	1.2	97.6
Benzo[a]pyrene	51.4	1.4	97.3
Benzo[g,h,i]perylene	50.2	1.1	97.8
Butylbenzylphthalate	50.5	1.2	97.6
Carboxin	50.2	1.2	97.6
2-Chlorobiphenyl	50.7	1.1	97.8
Chrysene	52.1	0.9	98.3
Cycloate	52.4	1.2	97.7
Dacthal (DCPA)	51.2	1.1	97.9
Diazinon	52.4	1.2	97.7
Dibenz[a,h]anthracene	51.4	1.3	97.5
Di-n-Butylphthalate	50.1	1.5	97.0
2,3-Dichlorobiphenyl	50.4	1.4	97.2
Diethylphthalate	48.5	1.6	96.7
Di(2-ethylhexyl)adipate	50.1	1.2	97.6
Di(2-ethylhexyl)phthalate	52.1	1.6	96.9
Dimethylphthalate	50.1	1.2	97.6
EPTC	51.2	1.7	96.7
Fluorene	51.4	1.2	97.7
2,2', 3,3', 4,4', 6-Heptachlorobiphenyl	51.3	1.2	97.7
Hexachlorobenzene	48.7	1.3	97.3
2,2', 4,4', 5,6'-Hexachlorobiphenyl	50.8	1.5	97.0
Hexachlorocyclohexane, alpha	51.2	1.2	97.7
Hexachlorocyclohexane, beta	51.2	1.3	97.5
Hexachlorocyclohexane, delta	51.2	1.2	97.7
Hexachlorocyclopentadiene	50.2	1.3	97.4
Hexazinone	50.5	1.3	97.4
Indeno[1,2,3,c,d]pyrene	49.2	1.4	97.2
Isophorone	51.4	1.6	96.9
Merphos	51.2	1.8	96.5
Methyl Paraoxon	51.1	1.2	97.7
Norflurazon	51.3	1.2	97.7
2,2', 3,3', 4,5', 6,6'-Octachlorobiphenyl	50	1.2	97.6
Pebulate	50.2	1.5	97.0
2,2', 3', 4,6'-Pentachlorobiphenyl	49.5	1.4	97.2
Pentachlorophenol	50.1	1.1	97.8
Phenanthrene	50.5	1.3	97.4
cis-Permethrin	50.1	1.2	97.6
trans-Permethrin	49.5	1.3	97.4
Prometon	51.2	1.5	97.1
Prometryn	51	0.9	98.2
Pronamide	49.8	0.8	98.4
Propachlor	50.4	0.9	98.2
Propazine	50.1	0.8	98.4
Triademefon	49.9	0.9	98.2
2,4,5-Trichlorobiphenyl	49.5	1.6	96.8



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Semivolatle Contaminants µg/L			
Tricyclazole	48.8	1.2	97.5
Trifluralin	50.2	1.2	97.6
Vernolate	50.4	1.3	97.4
Disinfectant and Inorganic Non-Metallic Contaminants in mg/L			
Chloramines	3.1 mg/L	0.3 mg/L	90.3
Free Chlorine	2.1 mg/L	0.1 mg/L	95.2
Fluoride	7.9 mg/L	0.2 mg/L	97.5
Nitrates	27.5 mg/L	2.1 mg/L	92.4
Nitrites	3.1 mg/L	<0.1 mg/L	99.4
Herbicide Contaminants in µg/L			
Dalapon	150	0.5	99.7
Dicamba	152	0.4	99.7
Dinosep	22.4	0.5	97.8
Dichlorporp	151	0.6	99.6
2,4-D	219	0.7	99.7
Pentachlorophenol	10.2	0.8	92.2
Picoram	149	0.5	99.7
2,4,5-T	151	0.6	99.6
2,4,5-TP (Silvex)	149	0.7	99.5
2,4-DB	150	0.8	99.5
Bentazom	151	0.9	99.4
DCPA	151	0.7	99.5
Quinclorac	153	0.8	99.5
Aciflurfen	151	0.8	99.5
Pharmaceutical Drugs Contaminants in µg/L			
Acetaminofen	20.2	0.5	97.5
Caffeine	20.3	0.6	97.0
Carbamazepine	20.4	0.4	98.0
Ciprofloxacin HCl	20.5	0.5	97.6
Erythromycin USP	20.6	0.6	97.1
Sulfamethoxazole	20.4	0.5	97.5
Trimethoprim	20.8	0.4	98.1
Bisphenol A	20.6	0.5	97.6
Diclofenac Sodium	20.5	0.6	97.1
4-para-Nonylphenol	20.8	0.5	97.6
4-tert-Octylphenol	20.9	0.5	97.6
Primidone	20.8	0.5	97.6
Progesterone	20.7	0.8	96.1
Gemfibrozil	20.5	0.8	96.1
Ibuprofen	20.6	0.7	96.6
Naproxen Sodium	20.6	0.8	96.1
Triclosan	20.8	0.9	95.7

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 and the National Environmental Laboratory Accreditation Conference (NELAC) Institute Standards.

Disclaimer: The test results are only related to the filter sample tested.

Jaime A. Yang

Jaime A. Young
Lab Director