

ENVIROTEK LABORATORIES, INC.

120 White Owl Trail, Mullica Hill, NJ 08062
PHONE 856-478-0010 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 08012

TEST RESULTS

FOR

TYENT USA

137 HURFFVILLE CROSSKEYS ROAD

SEWELL, NEW JERSEY, 08080

ULTRA PLUS FILTRATION SYSTEM

MMP 9090 T / UCE 9000 T

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TYENT MMP 9090T / UCE 9000 T FILTERED WATER TEST REPORT

Report # 13-249 (Tyent MMP 9090T UCE 9000 T Ultra Filtration System)

Report Date: 07/29/2013

Customer Name: Tyent USA

Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Tyent MMP 7070T Filter System Effluent Concentration in µg/L	% Reduction
Volatile Organic Contaminants			
1, 1, 1, 2-Tetrachlorethane	22.06	<0.5 µg/L	100
1, 1, 1-Trichloroethane	600	<0.5 µg/L	100
1, 1, 2, 2-Tetrachloroethane	21.49	<0.5 µg/L	100
1, 1, 2-Trichloroethane	15.5	<0.5 µg/L	100
1, 1-Dichloroethane	27.90	<0.5 µg/L	100
1, 1-Dichloroethene	21.2	<0.5 µg/L	100
1, 1-Dichloropropane	15.4	<0.5 µg/L	100
1, 2, 3-Trichlorobenzene	21.75	<0.5 µg/L	100
1, 2, 3-Trichloropropane (TCP)	22.41	<0.5 µg/L	100
1, 2, 4-Trichlorobenzene	210	<0.5 µg/L	100
1, 2, 4-Trimethylbenzene	22.37	<0.5 µg/L	100
1, 2-Dibromethane (EDB)	21.60	<0.5 µg/L	100
1, 2-Dibromo-3-Chloropropane	20.54	<0.5 µg/L	100
1, 2-Dichlorobenzene	1820	<0.5 µg/L	100
1, 2-Dichloroethane	15.3	<0.5 µg/L	100
1, 2-Dichloropropane	22.78	<0.5 µg/L	100
1, 3, 5-Trimethylbenzene	22.50	<0.5 µg/L	100
1, 3-Dichlorobenzene	22.50	<0.5 µg/L	100
1, 3-Dichloropropane	21.88	<0.5 µg/L	100
1, 4-Dichlorobenzene	225	<0.5 µg/L	100
2, 2-Dichloropropane	24.18	<0.5 µg/L	100
2-Chlorotoluene	22.43	<0.5 µg/L	100
4-Chlorotoluene	22.41	<0.5 µg/L	100
4-Isopropyltoluene	22.36	<0.5 µg/L	100
Benzene	15.1	<0.5 µg/L	100
Bromobenzene	22.43	<0.5 µg/L	100
Bromochloromethane	22.31	<0.5 µg/L	100
Bromodichloromethane	70	<0.5 µg/L	100
Bromoform	100	<0.5 µg/L	100
Bromomethane	21.59	<0.5 µg/L	100
Carbon Tetrachloride	15.2	<0.5 µg/L	100
Chlorobenzene	2020	<0.5 µg/L	100
Chlorodibromomethane	70	<0.5 µg/L	100
Chloroethane	22.75	<0.5 µg/L	100
Chloroform	220	<0.5 µg/L	100
Chloromethane	23.66	<0.5 µg/L	100
cis-1, 2-Dichloroethene	1400	<0.5 µg/L	100
cis-1, 3-Dichloropropene	22.71	<0.5 µg/L	100
Dibromomethane	21.79	<0.5 µg/L	100
Dichlorodifluoromethane	23.29	<0.5 µg/L	100
Dimethyl Ether	26.21	<0.5 µg/L	100
Ethylbenzene	2120	<0.5 µg/L	100
Fluorotrichloromethane	22.75	<0.5 µg/L	100
Hexachlorobutadiene	22.02	<0.5 µg/L	100
Isopropylbenzene	22.78	<0.5 µg/L	100
Methylene Chloride	25.78	<0.5 µg/L	100
MTBE	15.2	<0.5 µg/L	100
Naphthalene	20.62	<0.5 µg/L	100
n-Butylbenzene	22.18	<0.5 µg/L	100
n-propylbenzene	22.49	<0.5 µg/L	100
sec-Butylbenzene	22.43	<0.5 µg/L	100
Styrene	2000	<0.5 µg/L	100
Tert-Butylbenzene	22.83	<0.5 µg/L	100
Tetrachloroethene	15.2	<0.5 µg/L	100
Toluene	3000	<0.5 µg/L	100

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Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Tyent MMP 7070T Filter System Effluent Concentration in µg/L	% Reduction
Volatile Organic Contaminants			
Total Trihalomethanes (THM's)	460	<0.5 µg/L	100
trans-1, 2-Dichloroethene	2040	<0.5 µg/L	100
trans-1, 3-Dicloropropene	22.01	<0.5 µg/L	100
Trichloroethene	310	<0.5 µg/L	100
Vinylchloride	23.02	<0.5 µg/L	100
Xylenes	30000	<0.5 µg/L	100
Heavy Metal Contaminants			
Aluminum	200	31.2	84.4
Antimony	6.2	<2	100
Beryllium	50.2	<2	100
Bismuth	50.2	2	96.0
Chromium	302	6.7	97.8
Copper	3020	82.6	97.3
Iron	3350	14.8	99.6
Lead	152	<2	100
Manganese	1050	5.7	99.5
Mercury	6.2	<0.5	100.0
Nickel	102	6.6	93.5
Selenium	103	8.6	91.7
Silver	51.2	<2	100
Zinc	1000	105	89.5
Pesticide Contaminants			
4,4'-DDD	50.9	<0.1	100.0
4,4'-DDE	50.9	<0.1	100.0
4,4'-DDT	50.8	<0.1	100.0
Alachlor	41.1	<0.1	100.0
Aldrin	50.7	<0.1	100.0
Alpha-BHC	49.9	<0.1	100.0
Ametryn	50.1	<0.1	100.0
Atraton	52.3	<0.1	100.0
Atrazine	9.0	<0.1	100.0
Beta-BHC	49.8	<0.1	100.0
Bromacil	51.4	<0.1	100.0
Carbofuran	80.0	<0.1	100.0
Chlordane	40.2	<0.1	100.0
Chlorneb	51.3	<0.1	100.0
Chlorobenzilate	49.8	<0.1	100.0
Chlorothalonil	50.5	<0.1	100.0
Chlorprophane	51.2	<0.1	100.0
Chlorpyrifos	51.2	<0.1	100.0
Cyanizene	51.2	<0.1	100.0
Delta-BHC	50.2	<0.1	100.0
Dichlorvos	50.3	<0.1	100.0
Dieldrin	49.8	<0.1	100.0
Diphenamid	51.4	<0.1	100.0
Disulfoton	50.7	<0.1	100.0
Endosulfan Sulfate	51.9	<0.1	100.0
Endrin	6.0	<0.1	100.0
Endrin Aldehyde	51.9	<0.1	100.0
Endrin Ketone	53.1	<0.1	100.0
Endosulfan I	48.8	<0.1	100.0
Endosulfan II	50.8	<0.1	100.0
Ethoprop	50.8	<0.1	100.0
Fenamiphos	51.3	<0.1	100.0
Fenarimol	50.2	<0.1	100.0
Fluoridone	51.4	<0.1	100.0
Gamma-BHC (Lindane)	51.0	<0.1	100.0
Heptachlor	81.2	<0.1	100.0
Heptachlor Epoxide	4.9	<0.1	100.0
Methoxychlor	120	<0.1	100.0
Molinate	50.6	<0.1	100.0
PCB's	10.0	<0.1	100.0
Picloram	49.1	<0.1	100.0
Prometron	50.2	<0.1	100.0

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Semivolatle Contaminants			
Simazine	12.0	<0.1	100.0
Toxaphene	15.0	<0.1	100.0
Acenaphthylene	50.1	<0.1	100.0
Anthracene	50.3	<0.1	100.0
Benz[a]anthracene	51.3	<0.1	100.0
Benzo[b]fluoranthene	50.4	<0.1	100.0
Benzo[k]fluoranthene	49.8	<0.1	100.0
Benzo[a]pyrene	51.4	<0.1	100.0
Benzo[g,h,i]perylene	50.0	<0.1	100.0
Butylbenzylphthalate	50.5	<0.1	100.0
Carboxin	51.2	<0.1	100.0
2-Chlorobiphenyl	51.7	<0.1	100.0
Chrysene	52.1	<0.1	100.0
Cycloate	50.8	<0.1	100.0
Dacthal (DCPA)	50.2	<0.1	100.0
Diazinon	51.0	<0.1	100.0
Dibenz[a,h]anthracene	51.2	<0.1	100.0
Di-n-Butylphthalate	49.1	<0.1	100.0
2,3-Dichlorobiphenyl	50.8	<0.1	100.0
Diethylphthalate	49.1	<0.1	100.0
Di(2-ethylhexyl)adipate	50.2	<0.1	100.0
Di(2-ethylhexyl)phthalate	52.0	<0.1	100.0
Dimethylphthalate	51.0	<0.1	100.0
2,4-Dinitrotoluene	50.3	<0.1	100.0
2,6-Dinitrotoluene	50.9	<0.1	100.0
EPTC	50.5	<0.1	100.0
Fluorene	49.8	<0.1	100.0
2,2', 3,3', 4,4', 6-Heptachlorobiphenyl	51.3	<0.1	100.0
Hexachlorobenzene	49.8	<0.1	100.0
2,2', 4,4', 5,6'-Hexachlorobiphenyl	50.8	<0.1	100.0
Hexachlorocyclohexane, alpha	51.4	<0.1	100.0
Hexachlorocyclohexane, beta	51.2	<0.1	100.0
Hexachlorocyclohexane, delta	51.2	<0.1	100.0
Hexachlorocyclopentadiene	50.2	<0.1	100.0
Hexazinone	50.5	<0.1	100.0
Indeno[1,2,3,c,d]pyrene	49.4	<0.1	100.0
Isophorone	51.2	<0.1	100.0
Merphos	51.9	<0.1	100.0
Methyl Paraoxon	51.2	<0.1	100.0
MGK	50.6	<0.1	100.0
Napropamide	50.1	<0.1	100.0
Norflurazon	51.2	<0.1	100.0
2,2', 3,3', 4,5', 6,6'-Octachlorobiphenyl	51.0	<0.1	100.0
Pebulate	51.2	<0.1	100.0
2,2', 3', 4,6'-Pentachlorobiphenyl	49.9	<0.1	100.0
Pentachlorophenol	50.0	<0.1	100.0
Phenanthrene	50.6	<0.1	100.0
cis-Permethrin	50.0	<0.1	100.0
trans-Permethrin	49.1	<0.1	100.0
Prometon	50.2	<0.1	100.0
Prometryn	52.0	<0.1	100.0
Pronamide	51.0	<0.1	100.0
Propachlor	50.6	<0.1	100.0
Propazine	50.3	<0.1	100.0
Triademefon	49.8	<0.1	100.0
2,4,5-Trichlorobiphenyl	49.5	<0.1	100.0
Tricyclazole	49.8	<0.1	100.0
Trifluralin	51.4	<0.1	100.0
Vernolate	50.4	<0.1	100.0
Disinfectant and Non-Metallic Contaminants			
Chloride	800	69	91.4
Free Chlorine	2.0	0.12	94.0
Turbidity	11.5 NTU	0.28 NTU	97.6

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Herbicide Contaminants			
Dalapon	151	<0.1	100.0
Dicamba	150	<0.1	100.0
Dinosep	152	<0.1	100.0
Dichlorporp	150	<0.1	100.0
2,4-D	210	<0.1	100.0
Pentachlorophenol	150	<0.1	100.0
Picoram	149	<0.1	100.0
2,4,5-T	151	<0.1	100.0
2,4,5-TP (Silvex)	150	<0.1	100.0
2,4-DB	152	<0.1	100.0
Bentazom	150	<0.1	100.0
DCPA	151	<0.1	100.0
Quinclorac	152	<0.1	100.0
Aciflurfen	151	<0.1	100.0
Pharmaceutical Drugs			
4-Androsterone-3,17-dione	21.1	<0.1	100.0
Equilin	20.2	<0.1	100.0
17-beta-Estradiol	22.3	<0.1	100.0
Estriol	21.0	<0.1	100.0
Estrone	21.0	<0.1	100.0
17-alpha-Ethynylestradiol	21.5	<0.1	100.0
Testosterone	21.4	<0.1	100.0
Acetaminofen	21.0	<0.1	100.0
Caffeine	20.1	<0.1	100.0
Carbamazepine	21.3	<0.1	100.0
Ciprofloxacin HCl	21.2	<0.1	100.0
Erythromycin USP	20.0	<0.1	100.0
Sulfamethoxazole	21.4	<0.1	100.0
Trimethoprim	21.3	<0.1	100.0
Bisphenol A	20.5	<0.1	100.0
Diclofenac Sodium	20.4	<0.1	100.0
4-para-Nonylphenol	20.8	<0.1	100.0
4-tert-Octylphenol	21.4	<0.1	100.0
Primidone	20.9	<0.1	100.0
Progesterone	20.4	<0.1	100.0
Gemfibrozil	21.4	<0.1	100.0
Ibuprofen	21.3	<0.1	100.0
Naproxen Sodium	20.7	<0.1	100.0
Triclosan	20.8	<0.1	100.0

Jaime Young

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 Lab Director

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*State of New Jersey
Department of Environmental Protection*

Certifies That

Envirotek Laboratories, Inc.

Laboratory Certification ID # 08012

having duly met the requirements of the

Regulations Governing The Certification Of
Laboratories And Environmental Measurements N.J.A.C. 7:18 et. seq.

is hereby approved as a


State Certified Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List

which must accompany this certificate to be valid

Expiration Date June 30, 2014




Joseph F. Aiello, Manager
Office of Quality Assurance

THIS CERTIFICATE IS TO BE CONSPICUOUSLY DISPLAYED AT THE LABORATORY WITH THE ANNUAL CERTIFIED PARAMETER LIST IN A LOCATION ON THE PREMISES VISIBLE TO THE PUBLIC