

**ENVIROTEK LABORATORIES, INC.**

33 Third Street, Bordentown, NJ 08505  
PHONE 856-478-0010 www.enviroteklab.com  
EPA ID # NJ01298 NJ DEP ID # 03048

**TEST RESULTS**

**FOR**

**TYENT USA**

**137 HURFVILLE CROSSKEYS ROAD  
SEWELL, NEW JERSEY, 08080**

**ULTRA PLUS FILTRATION SYSTEM  
FILTER MODELS:**

**MMP 9090 T / UCE 9000 T  
MMP 11, UCE 11, ACE 11**

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## TYENT MMP 9090 T / UCE 9000 T / MMP 11 / UCE 11/ ACE 11 FILTERED WATER TEST REPORT

Report # 14-226  
 Report Date: 08/16/2014  
 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
<b>Volatile Organic Contaminants</b>			
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

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<b>Volatile Organic Contaminants</b>			
Tetrachloroethene	15.2	<0.5 µg/L	100
Toluene	3000	<0.5 µg/L	100
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
<b>Heavy Metal Contaminants</b>			
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
<b>Pesticide Contaminants</b>			
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
Endusulfan I	48.8	<0.1	100.0
Endusulfan 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

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<b>Semivolatile Contaminants</b>			
Picloram	49.1	<0.1	100.0
Prometron	50.2	<0.1	100.0
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
<b>Disinfectant and Non-Metallic Contaminants</b>			
Chloride	800	69	91.4
Free Chlorine	2.0	0.12	94.0

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Turbidity	11.5 NTU	0.28 NTU	97.6
<b>Herbicide Contaminants</b>			
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
<b>Pharmaceutical Drugs</b>			
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-Ethinylestradiol	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
<b>Synthetic Organic Chemicals (MCHM)</b>			
4-Methyl-1-cyclohexanemethanol	135 µg/L	1.88 µg/L	98.6
<b>Cyanobacteria Toxins</b>			
Microcystin	10.2 µg/L	<0.1 µg/L	99.0

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*State of New Jersey*  
*Department of Environmental Protection*  
Certifies That  
**Envirotek Laboratories, Inc.**  
Laboratory Certification ID # 03048  
*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*  
Expires June 30, 2016



*Michael M. Potts for DA*  
Joseph F. Aiello  
Assistant Director

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

**Jaime Young**

Jaime Young  
Lab Director