

**City Of Winnipeg
Water Waste Department**

West End Water Pollution Control Centre Quarterly Monitoring Report

1'st Quarter Sampling Parameter	February 18, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Mercury (Hg)-Total	ng/L	1.0	1.0	111.0	5.1
Oil and Grease (I.R.)	mg/L	1.0	1.0	39.9	2.3
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0631	<0.0010
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015
Tetraethyl Lead	ug/L	0.0070	0.00070	<0.0070	<0.00070
Total PCBs	mg/L	0.00030	0.00030	<0.00030	<0.00030
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0037	<0.0010
Toxaphene	ug/L	1.5	1.5	<1.5	<1.5
Ammonia, Total (as N)	mg/L		0.10	NA	3.55
Ammonia, Un-ionized (as N)	mg/L		0.010	NA	<0.010
Chlorine, Total	mg/L		0.10	NA	<0.10
Tri-n-butyltin Cation	ug/L	0.050	0.050	<0.050	<0.050
Trout Bioassay	Pass/Fail			NA	Pass
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	87.2	109.9
Surrogate: Decachlorobiphenyl	%	50-150	50-150	87.3	96.3
Surrogate: Tetrachloro-m-xylene	%	50-150	50-150	90.2	93.3
Surrogate: Tri-n-propyltin	%	31-137	31-137	93.0	62.0
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00087	0.00079
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000135	0.000012
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0015	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.12100	0.00694
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.002750	0.000485
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.01840	0.01310
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0056	0.0039
Selenium (Se)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	0.0020	0.0020	0.1430	0.0307
Dioxins and Furans					
2378 TCDD	pg/L	0.76	0.69	<0.76	<0.69
12378 PeCDD	pg/L	0.40	0.44	<0.40	<0.44
123478 HxCDD	pg/L	0.33	0.34	<0.33	<0.34
123678 HxCDD	pg/L	0.27	0.30	0.31	<0.30
123789 HxCDD	pg/L	0.26	0.28	<0.26	<0.28
1234678 HpCDD	pg/L	0.30	0.31	4.40	0.53
OCDD	pg/L	0.30	0.19	41.4	2.14
2378 TCDF	pg/L	0.51	0.49	<0.51	<0.49
12378 PeCDF	pg/L	0.27	0.22	0.30	<0.22
23478 PeCDF	pg/L	0.23	0.19	<0.23	<0.19
123478 HxCDF	pg/L	0.56	0.12	<0.56	<0.12
123678 HxCDF	pg/L	0.42	0.10	<0.42	<0.10
234678 HxCDF	pg/L	0.55	0.11	<0.55	<0.11
123789 HxCDF	pg/L	0.73	0.16	<0.73	0.44
1234678 HpCDF	pg/L	0.17	0.18	1.02	<0.18
1234789 HpCDF	pg/L	0.28	0.28	<0.28	<0.28
OCDF	pg/L	0.29	0.20	3.80	<0.20
Total TCDD	pg/L	0.76	0.69	1.88	0.79
Total PeCDD	pg/L	0.40	0.44	0.64	<0.44
Total HxCDD	pg/L	0.33	0.34	0.70	<0.34
Total HpCDD	pg/L	0.30	0.31	8.59	0.87
Total TCDF	pg/L	0.51	0.49	<0.51	<0.49

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Total PeCDF	pg/L	0.27	0.22	<0.27	<0.22
Total HxCDF	pg/L	0.73	0.16	<0.73	1.39
Total HpCDF	pg/L	0.28	0.28	1.02	<0.28
Surrogate: 13C12 2378 TCDD	%	20-175	20-175	54.0	66.0
Surrogate: 13C12 12378 PeCDD	%	21-227	21-227	100.0	97.0
Surrogate: 13C12 123478 HxCDD	%	21-193	21-193	66.0	95.0
Surrogate: 13C12 123678 HxCDD	%	25-163	25-163	79.0	84.0
Surrogate: 13C12 1234678 HpCDD	%	23-166	23-166	84.0	97.0
Surrogate: 13C12 OCDD	%	13-138	13-138	71.0	106.0
Surrogate: 13C12 2378 TCDF	%	22-152	22-152	53.0	66.0
Surrogate: 13C12 12378 PeCDF	%	24-185	24-185	97.0	102.0
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	105.0	105.0
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	72.0	93.0
Surrogate: 13C12 123678 HxCDF	%	21-159	21-159	86.0	96.0
Surrogate: 13C12 234678 HxCDF	%	17-205	17-205	73.0	92.0
Surrogate: 13C12 123789 HxCDF	%	28-136	28-136	81.0	107.0
Surrogate: 13C12 1234678 HpCDF	%	21-158	21-158	89.0	104.0
Surrogate: 13C12 1234789 HpCDF	%	20-186	20-186	94.0	113.0
Surrogate: 37C14 2378 TCDD	%	31-191	31-191	53.0	65.0
Lower Bound PCDD/F TEQ (WHO 2005)	pg/L			0.099	0.0503
Mid Point PCDD/F TEQ (WHO 2005)	pg/L			0.892	0.736
Upper Bound PCDD/F TEQ (WHO 2005)	pg/L			1.68	1.42
EPA 8270 Extractables					
1-Chloronaphthalene	ug/L	4.0	4.0	<4.0	<4.0
1-Methylnaphthalene	ug/L	4.0	4.0	<4.0	<4.0
1,2-Dichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,2,3-Trichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,3-Dichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,4-Dichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
2-Chloronaphthalene	ug/L	4.0	4.0	<4.0	<4.0
2-Chlorophenol	ug/L	3.0	3.0	<3.0	<3.0
2-Methylnaphthalene	ug/L	4.0	4.0	<4.0	<4.0
2-Methylphenol	ug/L	5.0	5.0	<5.0	<5.0
2-Nitrophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,4-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,4,5-Tetrachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,4,6-Tetrachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,5-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,5,6-Tetrachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,4-Dichlorophenol	ug/L	3.0	3.0	<3.0	<3.0
2,4-Dimethylphenol	ug/L	5.0	5.0	<5.0	<5.0
2,4-Dinitrophenol	ug/L	20	20	<20	<20
2,4-Dinitrotoluene	ug/L	4.0	4.0	<4.0	<4.0
2,4,5-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,4,6-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,6-Dichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,6-Dinitrotoluene	ug/L	4.0	4.0	<4.0	<4.0
3,3'-Dichlorobenzidine	ug/L	4.0	4.0	<4.0	<4.0
3&4-Methylphenol	ug/L	50	5.0	290	<5.0
4-Bromophenyl phenyl ether	ug/L	4.0	4.0	<4.0	<4.0
4-Chloro-3-methylphenol	ug/L	5.0	5.0	<5.0	<5.0

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				Grab	Grab
4-Chloroaniline	ug/L	4.0	4.0	<4.0	<4.0
4-Chlorophenyl phenyl ether	ug/L	4.0	4.0	<4.0	<4.0
4-Nitrophenol	ug/L	5.0	5.0	<5.0	<5.0
4,6-Dinitro-2-methylphenol	ug/L	20	20	<20	<20
5-Nitroacenaphthene	ug/L	4.0	4.0	<4.0	<4.0
Acenaphthene	ug/L	2.0	2.0	<2.0	<2.0
Acenaphthylene	ug/L	2.0	2.0	<2.0	<2.0
Anthracene	ug/L	2.0	2.0	<2.0	<2.0
Benzo(a)anthracene	ug/L	2.0	2.0	<2.0	<2.0
Benzo(a)pyrene	ug/L	0.50	0.50	<0.50	<0.50
Benzo(b)fluoranthene	ug/L	2.0	2.0	<2.0	<2.0
Benzo(ghi)perylene	ug/L	2.0	2.0	<2.0	<2.0
Benzo(k)fluoranthene	ug/L	2.0	2.0	<2.0	<2.0
Biphenyl	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-chloroethoxy)methane	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-chloroethyl)ether	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-chloroisopropyl)ether	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-ethylhexyl)phthalate	ug/L	20	20	<20	<20
Butylbenzyl phthalate	ug/L	4.0	4.0	<4.0	<4.0
Camphene	ug/L	4.0	4.0	<4.0	<4.0
Chrysene	ug/L	2.0	2.0	<2.0	<2.0
Di-n-butylphthalate	ug/L	20	20	<20	<20
Di-n-octylphthalate	ug/L	4.0	4.0	<4.0	<4.0
Dibenzo(a,h)anthracene	ug/L	2.0	2.0	<2.0	<2.0
Dibenzofuran	ug/L	2.0	2.0	<2.0	<2.0
Diethylphthalate	ug/L	2.0	2.0	4.3	<2.0
Dimethylphthalate	ug/L	2.0	2.0	<2.0	<2.0
Diphenyl ether	ug/L	4.0	4.0	<4.0	<4.0
Diphenylamine	ug/L	4.0	4.0	<4.0	<4.0
Fluoranthene	ug/L	2.0	2.0	<2.0	<2.0
Fluorene	ug/L	2.0	2.0	<2.0	<2.0
Hexachlorobenzene	ug/L	0.40	0.40	<0.40	<0.40
Hexachlorobutadiene	ug/L	2.0	2.0	<2.0	<2.0
Hexachlorocyclopentadiene	ug/L	4.0	4.0	<4.0	<4.0
Hexachloroethane	ug/L	4.0	4.0	<4.0	<4.0
Indeno(1,2,3-cd)pyrene	ug/L	2.0	2.0	<2.0	<2.0
Indole	ug/L	4.0	4.0	36.6	<4.0
Isophorone	ug/L	4.0	4.0	<4.0	<4.0
N-Nitroso-di-n-propylamine	ug/L	4.0	4.0	<4.0	<4.0
Naphthalene	ug/L	2.0	2.0	<2.0	<2.0
Nitrobenzene	ug/L	4.0	4.0	<4.0	<4.0
Pentachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
Perylene	ug/L	2.0	2.0	<2.0	<2.0
Phenanthrene	ug/L	2.0	2.0	<2.0	<2.0
Phenol	ug/L	5.0	5.0	70.4	<5.0
Pyrene	ug/L	2.0	2.0	<2.0	<2.0
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	111.3	79.6
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	127.8	78.9
Surrogate: Nitrobenzene d5	%	50-130	50-130	111.9	81.9
Surrogate: p-Terphenyl d14	%	50-150	50-150	93.1	93.3
Surrogate: Phenol d5	%	30-130	30-130	73.9	55.2

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Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	1.0	1.0	1.3	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	12.5	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	4.60	0.17
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	<0.10	<0.10
Bisphenol A	ug/L	0.20	0.20	0.21	<0.20
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	17.1	<2.0
Total Octylphenol Ethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octachlorostyrene					
Octachlorostyrene	ug/L	0.50	0.050	<0.50	<0.050
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	114.5	87.2
Surrogate: p-Terphenyl d14	%	50-150	50-150	129.8	84.9
PCB					
Aroclor 1016	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1221	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1232	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1242	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1248	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1254	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1260	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1262	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1268	mg/L	0.00010	0.00010	<0.00010	<0.00010
Surrogate: Decachlorobiphenyl	%	50-150	50-150	94.0	96.0
Pesticides, Organochlorine					
Aldrin	ug/L	1.0	0.10	<1.0	<0.10
a-chlordane	ug/L	1.0	0.10	<1.0	<0.10
g-chlordane	ug/L	1.0	0.10	<1.0	<0.10
alpha-BHC	ug/L	1.0	0.10	<1.0	<0.10
beta-BHC	ug/L	1.0	0.10	<1.0	<0.10
delta-BHC	ug/L	1.0	0.10	<1.0	<0.10
op-DDD	ug/L	1.0	0.10	<1.0	<0.10
pp-DDD	ug/L	1.0	0.10	<1.0	<0.10
op-DDE	ug/L	1.0	0.10	<1.0	<0.10
pp-DDE	ug/L	1.0	0.10	<1.0	<0.10
op-DDT	ug/L	1.0	0.10	<1.0	<0.10
pp-DDT	ug/L	1.0	0.10	<1.0	<0.10
Dieldrin	ug/L	1.0	0.10	<1.0	<0.10
alpha-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
beta-Endosulfan	ug/L	1.0	0.10	<1.0	<0.10
Endosulfan Sulfate	ug/L	1.0	0.10	<1.0	<0.10
Endrin	ug/L	1.0	0.10	<1.0	<0.10
Endrin Aldehyde	ug/L	1.0	0.10	<1.0	<0.10
Hexachlorobenzene	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor	ug/L	1.0	0.10	<1.0	<0.10
Heptachlor Epoxide	ug/L	1.0	0.10	<1.0	<0.10
Lindane	ug/L	1.0	0.10	<1.0	<0.10
Methoxychlor	ug/L	1.0	0.10	<1.0	<0.10
Mirex	ug/L	1.0	0.10	<1.0	<0.10

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Oxychlordan	ug/L	1.0	0.10	<1.0	<0.10
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	108.8	87.7
Surrogate: d14-Terphenyl	%	50-150	50-150	84.8	96.7
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	mg/L	5.0	0.50	<5.0	<0.50
MCPA	mg/L	5.0	0.50	<5.0	<0.50
Mecoprop	mg/L	5.0	0.50	<5.0	<0.50
2,4,5-T	mg/L	5.0	0.50	<5.0	<0.50
2,4-D	mg/L	5.0	0.50	<5.0	<0.50
2,4-DP	mg/L	5.0	0.50	<5.0	<0.50
Bromoxynil	mg/L	5.0	0.50	<5.0	<0.50
Dicamba	mg/L	5.0	0.50	<5.0	<0.50
Dinoseb	mg/L	5.0	0.50	<5.0	<0.50
Picloram	mg/L	5.0	0.50	<5.0	<0.50
Surrogate: 2,4-Dichlorophenylacetic Acid	mg/L	50-130	50-130	117.3	116.7
Volatile Organics plus F1					
Acetone	mg/L	0.020	0.020	0.043	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.00050	0.00050	0.00066	<0.00050
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00373	0.00064
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050

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1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.00050	0.00050	0.00083	<0.00050
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
Naphthalene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Styrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00343	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Surrogate: 4-Bromofluorobenzene	%	70-130	70-130	93.6	92.2
Surrogate: 1,4-Difluorobenzene	%	70-130	70-130	100.7	100.6

NOTES:

MDL- Method detection limit
 mg/L- milligrams/Litre
 ug/L- micrograms/Litre
 ng/L- nanograms/Litre
 pg/L- picograms/Litre
 <- less than
 N/A- not analyzed

All parameters were analyzed by contract laboratory.

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2'nd Quarter Sampling	May 12, 2014			WEWPCC	
Parameter	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Mercury (Hg)-Total	ng/L	1.0	1.0	53.0	3.8
Oil and Grease (I.R.)	mg/L	1.0	1.0	18.9	<1.0
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0355	0.0019
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015
Tetraethyl Lead	ug/L	0.0070	0.0070	<0.0070	<0.0070
Total PCBs	mg/L	0.00030	0.00030	<0.00030	<0.00030
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0030	<0.0010
Toxaphene	ug/L	3.0	3.0	<3.0	<3.0
Ammonia, Total (as N)	mg/L		0.010	NA	0.390
Ammonia, Un-ionized (as N)	mg/L		0.010	NA	0.051
Chlorine, Total	mg/L		0.10	NA	<0.10
Tri-n-butyltin Cation	ug/L	0.050	0.050	<0.050	<0.050
Trout Bioassay	Pass/Fail			NA	Pass
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	87.4	78.3
Surrogate: Decachlorobiphenyl	%	50-150	50-150	90.9	102.5
Surrogate: Tetrachloro-m-xylene	%	50-150	50-150	83.3	97.4
Surrogate: Tri-n-propyltin	%	31-137	31-137	96.0	67.0
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.0020	0.0020	<0.0020	<0.0020
Cadmium (Cd)-Total	mg/L	0.00010	0.00010	0.00011	<0.00010
Chromium (Cr)-Total	mg/L	0.010	0.010	<0.010	<0.010
Copper (Cu)-Total	mg/L	0.0020	0.0020	0.0648	0.0055
Lead (Pb)-Total	mg/L	0.00090	0.00090	0.00199	<0.00090
Molybdenum (Mo)-Total	mg/L	0.0020	0.0020	0.0126	0.0044
Nickel (Ni)-Total	mg/L	0.020	0.020	<0.020	<0.020
Selenium (Se)-Total	mg/L	0.010	0.010	<0.010	<0.010
Zinc (Zn)-Total	mg/L	0.020	0.020	0.075	<0.020
Dioxins and Furans					
2378 TCDD	pg/L	0.74	0.68	<0.74	<0.68
12378 PeCDD	pg/L	0.35	0.24	<0.35	<0.24
123478 HxCDD	pg/L	0.24	0.26	<0.24	<0.26
123678 HxCDD	pg/L	0.22	0.25	<0.22	<0.25
123789 HxCDD	pg/L	0.22	0.25	<0.22	<0.25
1234678 HpCDD	pg/L	0.24	0.24	2.88	1.12
OCDD	pg/L	0.23	0.24	22.5	4.27
2378 TCDF	pg/L	0.53	0.55	<0.53	<0.55
12378 PeCDF	pg/L	0.30	0.26	<0.30	<0.26
23478 PeCDF	pg/L	0.24	0.22	<0.24	<0.22
123478 HxCDF	pg/L	0.32	0.13	<0.32	<0.13
123678 HxCDF	pg/L	0.30	0.12	<0.30	<0.12
234678 HxCDF	pg/L	0.36	0.11	<0.36	<0.11
123789 HxCDF	pg/L	0.45	0.16	<0.45	0.28
1234678 HpCDF	pg/L	0.13	0.14	1.00	0.21
1234789 HpCDF	pg/L	0.22	0.21	<0.22	<0.21
OCDF	pg/L	0.30	0.26	4.68	<0.26
Total TCDD	pg/L	0.74	0.68	<0.74	1.03
Total PeCDD	pg/L	0.35	0.24	0.61	<0.24
Total HxCDD	pg/L	0.24	0.26	<0.24	0.79
Total HpCDD	pg/L	0.24	0.24	5.77	2.14
Total TCDF	pg/L	0.53	0.55	<0.53	<0.55

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total PeCDF	pg/L	0.30	0.26	<0.30	<0.26
Total HxCDF	pg/L	0.45	0.16	<0.45	1.02
Total HpCDF	pg/L	0.22	0.21	2.20	<0.21
Surrogate: 13C12 2378 TCDD	%	20-175	20-175	63.0	68.0
Surrogate: 13C12 12378 PeCDD	%	21-227	21-227	97.0	93.0
Surrogate: 13C12 123478 HxCDD	%	21-193	21-193	69.0	83.0
Surrogate: 13C12 123678 HxCDD	%	25-163	25-163	89.0	89.0
Surrogate: 13C12 1234678 HpCDD	%	23-166	23-166	56.0	84.0
Surrogate: 13C12 OCDD	%	13-138	13-138	40.0	82.0
Surrogate: 13C12 2378 TCDF	%	22-152	22-152	73.0	68.0
Surrogate: 13C12 12378 PeCDF	%	24-185	24-185	94.0	94.0
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	105.0	102.0
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	75.0	85.0
Surrogate: 13C12 123678 HxCDF	%	21-159	21-159	92.0	102.0
Surrogate: 13C12 234678 HxCDF	%	17-205	17-205	75.0	102.0
Surrogate: 13C12 123789 HxCDF	%	28-136	28-136	74.0	94.0
Surrogate: 13C12 1234678 HpCDF	%	21-158	21-158	67.0	96.0
Surrogate: 13C12 1234789 HpCDF	%	20-186	20-186	57.0	91.0
Surrogate: 37C14 2378 TCDD	%	31-191	31-191	70.0	73.0
Lower Bound PCDD/F TEQ (WHO 2005)	pg/L			0.0469	0.0125
Mid Point PCDD/F TEQ (WHO 2005)	pg/L			0.766	0.624
Upper Bound PCDD/F TEQ (WHO 2005)	pg/L			1.48	1.21
EPA 8270 Extractables					
1-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1,2-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,3-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,4-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,3-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,4-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
2-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Chlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Methylphenol	ug/L	5.0	0.50	<5.0	<0.50
2-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4,5-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2,4-Dimethylphenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dinitrophenol	ug/L	40	1.0	<40	<1.0
2,4-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
2,4,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,4,6-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,6-Dichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,6-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
3,3'-Dichlorobenzidine	ug/L	4.0	0.40	<4.0	<0.40
3&4-Methylphenol	ug/L	50	0.50	181	<0.50
4-Bromophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Chloro-3-methylphenol	ug/L	5.0	0.50	<5.0	<0.50

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	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
4-Chloroaniline	ug/L	4.0	0.40	<4.0	<0.40
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
4,6-Dinitro-2-methylphenol	ug/L	40	2.0	<40	<2.0
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20
Anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)pyrene	ug/L	0.50	0.050	<0.50	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	<20	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	<4.0	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Dibenzo(a,h)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Dibenzofuran	ug/L	2.0	0.20	<2.0	<0.20
Diethylphthalate	ug/L	2.0	0.20	2.4	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	20	0.40	30	<0.40
Isophorone	ug/L	4.0	0.40	<4.0	<0.40
N-Nitroso-di-n-propylamine	ug/L	4.0	0.40	<4.0	<0.40
Naphthalene	ug/L	2.0	0.20	<2.0	<0.2
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40
Pentachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
Perylene	ug/L	2.0	0.20	<2.0	<0.20
Phenanthrene	ug/L	2.0	0.20	<2.0	<0.20
Phenol	ug/L	5.0	0.50	33.3	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	99.4	104.7
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	126.0	101.7
Surrogate: Nitrobenzene d5	%	50-130	50-130	110.4	115.5
Surrogate: p-Terphenyl d14	%	50-150	50-150	72.6	127.0
Surrogate: Phenol d5	%	30-130	30-130	66.9	57.0

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	1.0	1.0	1.5	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	4.1	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	3.14	<0.10
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	<0.10	<0.10
Bisphenol A	ug/L	0.20	0.20	<0.20	<0.20
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	7.2	<2.0
Total Octylphenol Ethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octachlorostyrene					
Octachlorostyrene	ug/L	0.50	0.50	<0.50	<0.50
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	103.2	100
Surrogate: p-Terphenyl d14	%	50-150	50-150	88.4	97.8
PCB					
Aroclor 1016	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1221	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1232	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1242	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1248	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1254	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1260	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1262	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1268	mg/L	0.00010	0.00010	<0.00010	<0.00010
Surrogate: Decachlorobiphenyl	%	50-150	50-150	64.0	84.0
Pesticides, Organochlorine					
Aldrin	ug/L	1.0	1.0	<1.0	<1.0
a-chlordane	ug/L	1.0	1.0	<1.0	<1.0
g-chlordane	ug/L	1.0	1.0	<1.0	<1.0
alpha-BHC	ug/L	1.0	1.0	<1.0	<1.0
beta-BHC	ug/L	1.0	1.0	<1.0	<1.0
delta-BHC	ug/L	1.0	1.0	<1.0	<1.0
op-DDD	ug/L	1.0	1.0	<1.0	<1.0
pp-DDD	ug/L	1.0	1.0	<1.0	<1.0
op-DDE	ug/L	4.0	4.0	<4.0	<4.0
pp-DDE	ug/L	1.0	1.0	<1.0	<1.0
op-DDT	ug/L	1.0	1.0	<1.0	<1.0
pp-DDT	ug/L	1.0	1.0	<1.0	<1.0
Dieldrin	ug/L	1.0	1.0	<1.0	<1.0
alpha-Endosulfan	ug/L	1.0	1.0	<1.0	<1.0
beta-Endosulfan	ug/L	1.0	1.0	<1.0	<1.0
Endosulfan Sulfate	ug/L	1.0	1.0	<1.0	<1.0
Endrin	ug/L	1.0	1.0	<1.0	<1.0
Endrin Aldehyde	ug/L	1.0	1.0	<1.0	<1.0
Hexachlorobenzene	ug/L	1.0	1.0	<1.0	<1.0
Heptachlor	ug/L	1.0	1.0	<1.0	<1.0
Heptachlor Epoxide	ug/L	1.0	1.0	<1.0	<1.0
Lindane	ug/L	1.0	1.0	<1.0	<1.0
Methoxychlor	ug/L	1.0	1.0	<1.0	<1.0
Mirex	ug/L	1.0	1.0	<1.0	<1.0

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	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Oxychlorthane	ug/L	1.0	1.0	<1.0	<1.0
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	103.0	91.8
Surrogate: d14-Terphenyl	%	50-150	50-150	87.6	100.6
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	mg/L	5.0	0.50	<5.0	<0.50
MCPA	mg/L	5.0	0.50	<5.0	<0.50
Mecoprop	mg/L	5.0	0.50	<5.0	<0.50
2,4,5-T	mg/L	5.0	0.50	<5.0	<0.50
2,4-D	mg/L	5.0	0.50	<5.0	<0.50
2,4-DP	mg/L	5.0	0.50	<5.0	<0.50
Bromoxynil	mg/L	5.0	0.50	<5.0	<0.50
Dicamba	mg/L	5.0	0.50	<5.0	<0.50
Dinoseb	mg/L	5.0	0.50	<5.0	<0.50
Picloram	mg/L	5.0	0.50	<5.0	<0.50
Surrogate: 2,4-Dichlorophenylacetic Acid	mg/L	50-130	50-130	89.3	115.4
Volatile Organics plus F1					
Acetone	mg/L	0.020	0.020	0.029	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00302	<0.00050
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050

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2'nd Quarter Sampling Parameter	May 12, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
Naphthalene	mg/L	0.0015	0.0015	<0.0015	<0.0015
Styrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00170	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Surrogate: 4-Bromofluorobenzene	%	70-130	70-130	95.0	99.3
Surrogate: 1,4-Difluorobenzene	%	70-130	70-130	97.5	102.7

NOTES:

MDL- Method detection limit
 mg/L- milligrams/Litre
 ug/L- micrograms/Litre
 ng/L- nanograms/Litre
 pg/L- picograms/Litre
 <- less than
 N/A- not analyzed

All parameters were analyzed by contract laboratory.

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3'rd Quarter Sampling Parameter	August 18, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Mercury (Hg)-Total	ng/L	100	1.0	1600	9.1
Oil and Grease (I.R.)	mg/L	1.0	1.0	28.0	<1.0
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0190	<0.0010
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015
Tetraethyl Lead	ug/L	0.0070	0.00070	<0.0070	<0.00070
Total PCBs	mg/L	0.00030	0.00030	<0.00030	<0.00030
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0028	<0.0010
Toxaphene	ug/L	5.0	2.0	<5.0	<2.0
Ammonia, Total (as N)	mg/L		0.010	NA	0.061
Ammonia, Un-ionized (as N)	mg/L		0.010	NA	<0.010
Chlorine, Total	mg/L		0.10	NA	0.10
Tri-n-butyltin Cation	ug/L	0.052	0.055	<0.052	<0.055
Trout Bioassay	Pass/Fail			NA	Pass
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	83.7	94.2
Surrogate: Decachlorobiphenyl	%	50-150	50-150	42.0	95.0
Surrogate: Tetrachloro-m-xylene	%	50-150	50-150	43.6	89.4
Surrogate: Tri-n-propyltin	%	31-137	31-137	84.0	80.0
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00276	0.00205
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000346	0.000058
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0076	0.0011
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.10600	0.00609
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.012600	0.001490
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00507	0.00459
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0077	0.0042
Selenium (Se)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	0.0020	0.0020	0.2010	0.0178
Dioxins and Furans					
2378 TCDD	pg/L	0.74	0.63	<0.74	<0.63
12378 PeCDD	pg/L	0.29	0.19	2.10	<0.19
123478 HxCDD	pg/L	0.28	0.15	3.30	<0.15
123678 HxCDD	pg/L	0.28	0.15	8.65	<0.15
123789 HxCDD	pg/L	0.28	0.15	8.09	<0.15
1234678 HpCDD	pg/L	0.85	0.19	204	1.90
OCDD	pg/L	0.91	0.18	1520	11.5
2378 TCDF	pg/L	0.39	0.78	0.71	<0.78
12378 PeCDF	pg/L	0.30	0.23	0.70	<0.23
23478 PeCDF	pg/L	0.27	0.21	0.76	<0.21
123478 HxCDF	pg/L	1.3	0.16	3.1	<0.16
123678 HxCDF	pg/L	1.2	0.14	2.2	<0.14
234678 HxCDF	pg/L	1.6	0.14	3.0	<0.14
123789 HxCDF	pg/L	1.5	0.17	<1.5	0.62
1234678 HpCDF	pg/L	0.53	0.18	68.8	0.34
1234789 HpCDF	pg/L	0.75	0.25	5.69	<0.25
OCDF	pg/L	0.47	0.22	194	0.70
Total TCDD	pg/L	0.74	0.63	0.81	<0.63
Total PeCDD	pg/L	0.29	0.19	7.35	0.86
Total HxCDD	pg/L	0.28	0.15	62.1	1.09
Total HpCDD	pg/L	0.85	0.19	367	<0.19
Total TCDF	pg/L	0.39	0.78	5.29	<0.78

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3'rd Quarter Sampling Parameter	August 18, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total PeCDF	pg/L	0.30	0.23	11.7	<0.23
Total HxCDF	pg/L	1.6	0.17	56.4	1.13
Total HpCDF	pg/L	0.75	0.25	171	<0.25
Surrogate: 13C12 2378 TCDD	%	20-175	20-175	71.0	45.0
Surrogate: 13C12 12378 PeCDD	%	21-227	21-227	69.0	68.0
Surrogate: 13C12 123478 HxCDD	%	21-193	21-193	71.0	72.0
Surrogate: 13C12 123678 HxCDD	%	25-163	25-163	76.0	74.0
Surrogate: 13C12 1234678 HpCDD	%	23-166	23-166	80.0	83.0
Surrogate: 13C12 OCDD	%	13-138	13-138	83.0	96.0
Surrogate: 13C12 2378 TCDF	%	22-152	22-152	64.0	36.0
Surrogate: 13C12 12378 PeCDF	%	24-185	24-185	65.0	61.0
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	65.0	61.0
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	70.0	67.0
Surrogate: 13C12 123678 HxCDF	%	21-159	21-159	78.0	74.0
Surrogate: 13C12 234678 HxCDF	%	17-205	17-205	62.0	76.0
Surrogate: 13C12 123789 HxCDF	%	28-136	28-136	74.0	76.0
Surrogate: 13C12 1234678 HpCDF	%	21-158	21-158	82.0	82.0
Surrogate: 13C12 1234789 HpCDF	%	20-186	20-186	79.0	81.0
Surrogate: 37C14 2378 TCDD	%	31-191	31-191	80.0	48.0
Lower Bound PCDD/F TEQ (WHO 2005)	pg/L			5.28	0.00345
Mid Point PCDD/F TEQ (WHO 2005)	pg/L			9.00	0.618
Upper Bound PCDD/F TEQ (WHO 2005)	pg/L			9.44	1.15
EPA 8270 Extractables					
1-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
1,2-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,3-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,2,4-Trichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,3-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
1,4-Dichlorobenzene	ug/L	4.0	0.40	<4.0	<0.40
2-Chloronaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Chlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2-Methylnaphthalene	ug/L	4.0	0.40	<4.0	<0.40
2-Methylphenol	ug/L	5.0	0.50	<5.0	<0.50
2-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4,5-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,4,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,3,5,6-Tetrachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dichlorophenol	ug/L	3.0	0.30	<3.0	<0.30
2,4-Dimethylphenol	ug/L	5.0	0.50	<5.0	<0.50
2,4-Dinitrophenol	ug/L	10	1.0	<10	<1.0
2,4-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
2,4,5-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,4,6-Trichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,6-Dichlorophenol	ug/L	5.0	0.50	<5.0	<0.50
2,6-Dinitrotoluene	ug/L	4.0	0.40	<4.0	<0.40
3,3'-Dichlorobenzidine	ug/L	4.0	0.40	<4.0	<0.40
3&4-Methylphenol	ug/L	5.0	0.5	49.1	<0.50
4-Bromophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Chloro-3-methylphenol	ug/L	5.0	0.50	<5.0	<0.50

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West End Water Pollution Control Centre Quarterly Monitoring Report

3'rd Quarter Sampling Parameter	August 18, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
4-Chloroaniline	ug/L	4.0	0.40	<4.0	<0.40
4-Chlorophenyl phenyl ether	ug/L	4.0	0.40	<4.0	<0.40
4-Nitrophenol	ug/L	5.0	0.50	<5.0	<0.50
4,6-Dinitro-2-methylphenol	ug/L	20	2.0	<20	<2.0
5-Nitroacenaphthene	ug/L	4.0	0.40	<4.0	<0.40
Acenaphthene	ug/L	2.0	0.20	<2.0	<0.20
Acenaphthylene	ug/L	2.0	0.20	<2.0	<0.20
Anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(a)pyrene	ug/L	0.50	0.050	0.52	<0.050
Benzo(b)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(ghi)perylene	ug/L	2.0	0.20	<2.0	<0.20
Benzo(k)fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Biphenyl	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethoxy)methane	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroethyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-chloroisopropyl)ether	ug/L	4.0	0.40	<4.0	<0.40
Bis(2-ethylhexyl)phthalate	ug/L	20	2.0	33	<2.0
Butylbenzyl phthalate	ug/L	4.0	0.40	<4.0	<0.40
Camphene	ug/L	4.0	0.40	<4.0	<0.40
Chrysene	ug/L	2.0	0.20	<2.0	<0.20
Di-n-butylphthalate	ug/L	20	2.0	<20	<2.0
Di-n-octylphthalate	ug/L	4.0	0.40	<4.0	<0.40
Dibenzo(a,h)anthracene	ug/L	2.0	0.20	<2.0	<0.20
Dibenzofuran	ug/L	2.0	0.20	<2.0	<0.20
Diethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Dimethylphthalate	ug/L	2.0	0.20	<2.0	<0.20
Diphenyl ether	ug/L	4.0	0.40	<4.0	<0.40
Diphenylamine	ug/L	4.0	0.40	<4.0	<0.40
Fluoranthene	ug/L	2.0	0.20	<2.0	<0.20
Fluorene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorobenzene	ug/L	0.40	0.040	<0.40	<0.040
Hexachlorobutadiene	ug/L	2.0	0.20	<2.0	<0.20
Hexachlorocyclopentadiene	ug/L	4.0	0.40	<4.0	<0.40
Hexachloroethane	ug/L	4.0	0.40	<4.0	<0.40
Indeno(1,2,3-cd)pyrene	ug/L	2.0	0.20	<2.0	<0.20
Indole	ug/L	7.5	0.40	<7.5	<0.40
Isophorone	ug/L	4.0	0.40	<4.0	<0.40
N-Nitroso-di-n-propylamine	ug/L	4.0	0.40	<4.0	<0.40
Naphthalene	ug/L	2.0	0.20	<2.0	<0.20
Nitrobenzene	ug/L	4.0	0.40	<4.0	<0.40
Pentachlorophenol	ug/L	5.0	0.50	<5.0	<0.50
Perylene	ug/L	2.0	0.20	<2.0	<0.20
Phenanthrene	ug/L	2.0	0.20	<2.0	<0.20
Phenol	ug/L	5.0	0.50	11.2	<0.50
Pyrene	ug/L	2.0	0.20	<2.0	<0.20
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	99.9	87.5
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	117.4	87.0
Surrogate: Nitrobenzene d5	%	50-130	50-130	120.1	96.2
Surrogate: p-Terphenyl d14	%	50-150	50-150	94.5	89.8
Surrogate: Phenol d5	%	30-130	30-130	54.5	41.9

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West End Water Pollution Control Centre Quarterly Monitoring Report

3'rd Quarter Sampling Parameter	August 18, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	1.0	1.0	<1.0	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	7.8	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	2.01	<0.10
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	<0.10	<0.10
Bisphenol A	ug/L	0.20	0.20	0.24	<0.20
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	9.9	<2.0
Total Octylphenol Ethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octachlorostyrene					
Octachlorostyrene	ug/L	5.0	0.50	<5.0	<0.50
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	93.0	75.7
Surrogate: p-Terphenyl d14	%	50-150	50-150	72.0	83.9
PCB					
Aroclor 1016	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1221	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1232	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1242	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1248	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1254	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1260	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1262	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1268	mg/L	0.00010	0.00010	<0.00010	<0.00010
Surrogate: Decachlorobiphenyl	%	50-150	50-150	75.0	71.0
Pesticides, Organochlorine					
Aldrin	ug/L	10	1.0	<10	<1.0
a-chlordane	ug/L	10	1.0	<10	<1.0
g-chlordane	ug/L	10	1.0	<10	<1.0
alpha-BHC	ug/L	10	1.0	<10	<1.0
beta-BHC	ug/L	10	1.0	<10	<1.0
delta-BHC	ug/L	10	1.0	<10	<1.0
op-DDD	ug/L	10	1.0	<10	<1.0
pp-DDD	ug/L	10	1.0	<10	<1.0
op-DDE	ug/L	10	1.0	<10	<1.0
pp-DDE	ug/L	10	1.0	<10	<1.0
op-DDT	ug/L	10	1.0	<10	<1.0
pp-DDT	ug/L	10	1.0	<10	<1.0
Dieldrin	ug/L	10	1.0	<10	<1.0
alpha-Endosulfan	ug/L	10	1.0	<10	<1.0
beta-Endosulfan	ug/L	10	1.0	<10	<1.0
Endosulfan Sulfate	ug/L	10	1.0	<10	<1.0
Endrin	ug/L	10	1.0	<10	<1.0
Endrin Aldehyde	ug/L	10	1.0	<10	<1.0
Hexachlorobenzene	ug/L	10	1.0	<10	<1.0
Heptachlor	ug/L	10	1.0	<10	<1.0
Heptachlor Epoxide	ug/L	10	1.0	<10	<1.0
Lindane	ug/L	10	1.0	<10	<1.0
Methoxychlor	ug/L	10	1.0	<10	<1.0
Mirex	ug/L	10	1.0	<10	<1.0

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3'rd Quarter Sampling Parameter	August 18, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Oxychlorthane	ug/L	10	1.0	<10	<1.0
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	78.0	71.2
Surrogate: d14-Terphenyl	%	50-150	50-150	107.0	73.0
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	mg/L	1.0	1.0	<1.0	<1.0
MCPA	mg/L	1.0	1.0	<1.0	<1.0
Mecoprop	mg/L	1.0	1.0	<1.0	<1.0
2,4,5-T	mg/L	1.0	1.0	<1.0	<1.0
2,4-D	mg/L	1.0	1.0	<1.0	<1.0
2,4-DP	mg/L	1.0	1.0	<1.0	<1.0
Bromoxynil	mg/L	1.0	1.0	<1.0	<1.0
Dicamba	mg/L	1.0	1.0	<1.0	<1.0
Dinoseb	mg/L	1.0	1.0	<1.0	<1.0
Picloram	mg/L	1.0	1.0	<1.0	<1.0
Surrogate: 2,4-Dichlorophenylacetic Acid	mg/L	50-130	50-130	107.9	110.9
Volatile Organics plus F1					
Acetone	mg/L	0.020	0.020	0.024	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00279	<0.00050
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050

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3'rd Quarter Sampling Parameter	August 18, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
Naphthalene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Styrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00211	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Surrogate: 4-Bromofluorobenzene	%	70-130	70-130	91.1	91.2
Surrogate: 1,4-Difluorobenzene	%	70-130	70-130	95.9	97.7

NOTES:

MDL- Method detection limit
 mg/L- milligrams/Litre
 ug/L- micrograms/Litre
 ng/L- nanograms/Litre
 pg/L- picograms/Litre
 <- less than
 N/A- not analyzed

All parameters were analyzed by contract laboratory.

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4'th Quarter Sampling Parameter	November 17, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Miscellaneous					
Chromium, Hexavalent	ug/L	1.0	1.0	<1.0	<1.0
Mercury (Hg)-Total	ng/L	1.0	1.0	72.3	3.7
Oil and Grease (I.R.)	mg/L	1.0	1.0	25.7	<1.0
Phenols (4AAP)	mg/L	0.0010	0.0010	0.0545	<0.0010
Xylenes (Total)	mg/L	0.0015	0.0015	<0.0015	<0.0015
Tetraethyl Lead	ug/L	0.070	0.00070	<0.070	<0.0070
Total PCBs	mg/L	0.00030	0.00030	<0.00030	<0.00030
Trihalomethanes (total)	mg/L	0.0010	0.0010	0.0020	<0.0010
Toxaphene	ug/L	3.0	2.0	<3.0	<2.0
Ammonia, Total (as N)	mg/L		1.0	NA	4.6
Ammonia, Un-ionized (as N)	mg/L		0.010	NA	0.140
Chlorine, Total	mg/L		0.10	NA	<0.10
Tri-n-butyltin Cation	ug/L	0.050	0.050	0.052	0.055
Trout Bioassay	Pass/Fail			NA	Pass
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	NA	48.0
Surrogate: Decachlorobiphenyl	%	50-150	50-150	75.6	114.0
Surrogate: Tetrachloro-m-xylene	%	50-150	50-150	82.3	103.0
Surrogate: Tri-n-propyltin	%	31-137	31-137	109.0	89.0
Total Metals by ICP-MS					
Arsenic (As)-Total	mg/L	0.00020	0.00020	0.00083	0.00110
Cadmium (Cd)-Total	mg/L	0.000010	0.000010	0.000085	0.000017
Chromium (Cr)-Total	mg/L	0.0010	0.0010	0.0019	<0.0010
Copper (Cu)-Total	mg/L	0.00020	0.00020	0.09780	0.00454
Lead (Pb)-Total	mg/L	0.000090	0.000090	0.001970	0.000835
Molybdenum (Mo)-Total	mg/L	0.00020	0.00020	0.00164	0.00549
Nickel (Ni)-Total	mg/L	0.0020	0.0020	0.0039	0.0041
Selenium (Se)-Total	mg/L	0.0010	0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	0.0020	0.0020	0.0894	0.0106
Dioxins and Furans					
2378 TCDD	pg/L	0.28	0.94	<0.28	<0.94
12378 PeCDD	pg/L	0.22	0.90	<0.22	<0.90
123478 HxCDD	pg/L	0.24	0.30	<0.24	0.33
123678 HxCDD	pg/L	0.20	0.27	<0.20	0.34
123789 HxCDD	pg/L	0.21	0.28	<0.21	0.61
1234678 HpCDD	pg/L	0.31	0.49	4.45	1.40
OCDD	pg/L	0.32	0.75	30.4	11.0
2378 TCDF	pg/L	0.30	0.62	<0.30	<0.62
12378 PeCDF	pg/L	0.15	0.57	<0.15	<0.57
23478 PeCDF	pg/L	0.12	0.53	<0.12	0.60
123478 HxCDF	pg/L	0.89	0.41	<0.89	<0.41
123678 HxCDF	pg/L	0.83	0.39	<0.83	<0.39
234678 HxCDF	pg/L	0.97	0.45	<0.97	<0.45
123789 HxCDF	pg/L	1.1	0.54	<1.1	1.60
1234678 HpCDF	pg/L	0.17	0.30	0.61	0.62
1234789 HpCDF	pg/L	0.25	0.43	<0.25	0.72
OCDF	pg/L	0.27	0.65	1.60	3.20
Total TCDD	pg/L	0.28	0.94	<0.28	<0.94
Total PeCDD	pg/L	0.22	0.90	<0.22	<0.90
Total HxCDD	pg/L	0.24	0.30	0.37	<0.30
Total HpCDD	pg/L	0.31	0.49	4.45	<0.49
Total TCDF	pg/L	0.30	0.62	<0.30	<0.62

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4'th Quarter Sampling Parameter	November 17, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Total PeCDF	pg/L	0.15	0.57	0.32	<0.57
Total HxCDF	pg/L	1.1	0.54	<1.1	<0.54
Total HpCDF	pg/L	0.25	0.43	0.61	<0.43
Surrogate: 13C12 2378 TCDD	%	20-175	20-175	71.0	71.0
Surrogate: 13C12 12378 PeCDD	%	21-227	21-227	80.0	61.0
Surrogate: 13C12 123478 HxCDD	%	21-193	21-193	71.0	71.0
Surrogate: 13C12 123678 HxCDD	%	25-163	25-163	99.0	86.0
Surrogate: 13C12 1234678 HpCDD	%	23-166	23-166	73.0	74.0
Surrogate: 13C12 OCDD	%	13-138	13-138	72.0	69.0
Surrogate: 13C12 2378 TCDF	%	22-152	22-152	76.0	78.0
Surrogate: 13C12 12378 PeCDF	%	24-185	24-185	74.0	73.0
Surrogate: 13C12 23478 PeCDF	%	21-178	21-178	85.0	71.0
Surrogate: 13C12 123478 HxCDF	%	26-152	26-152	74.0	82.0
Surrogate: 13C12 123678 HxCDF	%	21-159	21-159	91.0	94.0
Surrogate: 13C12 234678 HxCDF	%	17-205	17-205	72.0	81.0
Surrogate: 13C12 123789 HxCDF	%	28-136	28-136	76.0	85.0
Surrogate: 13C12 1234678 HpCDF	%	21-158	21-158	78.0	87.0
Surrogate: 13C12 1234789 HpCDF	%	20-186	20-186	73.0	85.0
Surrogate: 37C14 2378 TCDD	%	31-191	31-191	61.0	71.0
Lower Bound PCDD/F TEQ (WHO 2005)	pg/L			0.0597	0.00
Mid Point PCDD/F TEQ (WHO 2005)	pg/L			0.569	1.52
Upper Bound PCDD/F TEQ (WHO 2005)	pg/L			1.08	2.54
EPA 8270 Extractables					
1-Chloronaphthalene	ug/L	4.0	4.0	<4.0	<4.0
1-Methylnaphthalene	ug/L	4.0	4.0	<4.0	<4.0
1,2-Dichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,2,3-Trichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,3-Dichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
1,4-Dichlorobenzene	ug/L	4.0	4.0	<4.0	<4.0
2-Chloronaphthalene	ug/L	4.0	4.0	<4.0	<4.0
2-Chlorophenol	ug/L	3.0	3.0	<3.0	<3.0
2-Methylnaphthalene	ug/L	4.0	4.0	<4.0	<4.0
2-Methylphenol	ug/L	5.0	5.0	<5.0	<5.0
2-Nitrophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,4-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,4,5-Tetrachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,4,6-Tetrachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,5-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,3,5,6-Tetrachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,4-Dichlorophenol	ug/L	3.0	3.0	<3.0	<3.0
2,4-Dimethylphenol	ug/L	5.0	5.0	<5.0	<5.0
2,4-Dinitrophenol	ug/L	10	10	<10	<10
2,4-Dinitrotoluene	ug/L	4.0	4.0	<4.0	<4.0
2,4,5-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,4,6-Trichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,6-Dichlorophenol	ug/L	5.0	5.0	<5.0	<5.0
2,6-Dinitrotoluene	ug/L	4.0	4.0	<4.0	<4.0
3,3'-Dichlorobenzidine	ug/L	4.0	4.0	<4.0	<4.0
3&4-Methylphenol	ug/L	50	5.0	163	<5.0
4-Bromophenyl phenyl ether	ug/L	4.0	4.0	<4.0	<4.0
4-Chloro-3-methylphenol	ug/L	5.0	5.0	<5.0	<5.0

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4'th Quarter Sampling Parameter	November 17, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage	Final Effluent
				Grab	Grab
4-Chloroaniline	ug/L	4.0	4.0	<4.0	<4.0
4-Chlorophenyl phenyl ether	ug/L	4.0	4.0	<4.0	<4.0
4-Nitrophenol	ug/L	5.0	5.0	<5.0	<5.0
4,6-Dinitro-2-methylphenol	ug/L	20	20	<20	<20
5-Nitroacenaphthene	ug/L	4.0	4.0	<4.0	<4.0
Acenaphthene	ug/L	2.0	2.0	<2.0	<2.0
Acenaphthylene	ug/L	2.0	2.0	<2.0	<2.0
Anthracene	ug/L	2.0	2.0	<2.0	<2.0
Benzo(a)anthracene	ug/L	2.0	2.0	<2.0	<2.0
Benzo(a)pyrene	ug/L	0.50	0.50	<0.50	<0.50
Benzo(b)fluoranthene	ug/L	2.0	2.0	<2.0	<2.0
Benzo(ghi)perylene	ug/L	2.0	2.0	<2.0	<2.0
Benzo(k)fluoranthene	ug/L	2.0	2.0	<2.0	<2.0
Biphenyl	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-chloroethoxy)methane	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-chloroethyl)ether	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-chloroisopropyl)ether	ug/L	4.0	4.0	<4.0	<4.0
Bis(2-ethylhexyl)phthalate	ug/L	20	20	<20	<20
Butylbenzyl phthalate	ug/L	4.0	4.0	<4.0	<4.0
Camphene	ug/L	4.0	4.0	<4.0	<4.0
Chrysene	ug/L	2.0	2.0	<2.0	<2.0
Di-n-butylphthalate	ug/L	20	20	<20	<20
Di-n-octylphthalate	ug/L	4.0	4.0	<4.0	<4.0
Dibenzo(a,h)anthracene	ug/L	2.0	2.0	<2.0	<2.0
Dibenzofuran	ug/L	2.0	2.0	<2.0	<2.0
Diethylphthalate	ug/L	2.0	2.0	2.6	<2.0
Dimethylphthalate	ug/L	2.0	2.0	<2.0	<2.0
Diphenyl ether	ug/L	4.0	4.0	<4.0	<4.0
Diphenylamine	ug/L	4.0	4.0	<4.0	<4.0
Fluoranthene	ug/L	2.0	2.0	<2.0	<2.0
Fluorene	ug/L	2.0	2.0	<2.0	<2.0
Hexachlorobenzene	ug/L	0.40	0.40	<0.40	<0.40
Hexachlorobutadiene	ug/L	2.0	2.0	<2.0	<2.0
Hexachlorocyclopentadiene	ug/L	4.0	4.0	<4.0	<4.0
Hexachloroethane	ug/L	4.0	4.0	<4.0	<4.0
Indeno(1,2,3-cd)pyrene	ug/L	2.0	2.0	<2.0	<2.0
Indole	ug/L	4.0	4.0	20.6	<4.0
Isophorone	ug/L	4.0	4.0	<4.0	<4.0
N-Nitroso-di-n-propylamine	ug/L	4.0	4.0	<4.0	<4.0
Naphthalene	ug/L	2.0	2.0	<2.0	<2.0
Nitrobenzene	ug/L	4.0	4.0	<4.0	<4.0
Pentachlorophenol	ug/L	5.0	5.0	<5.0	<5.0
Perylene	ug/L	2.0	2.0	<2.0	<2.0
Phenanthrene	ug/L	2.0	2.0	<2.0	<2.0
Phenol	ug/L	5.0	5.0	29.3	<5.0
Pyrene	ug/L	2.0	2.0	<2.0	<2.0
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	90.7	97.5
Surrogate: 2,4,6-Tribromophenol	%	40-150	40-150	124.2	102.2
Surrogate: Nitrobenzene d5	%	50-130	50-130	99.3	108.6
Surrogate: p-Terphenyl d14	%	50-150	50-150	61.0	83.1
Surrogate: Phenol d5	%	30-130	30-130	56.9	50.6

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4'th Quarter Sampling Parameter	November 17, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Low Level Nonylphenols and Ethoxylates					
Nonylphenols	ug/L	1.0	1.0	1.2	<1.0
Nonylphenol Monoethoxylates	ug/L	2.0	2.0	9.2	<2.0
Nonylphenol Diethoxylates	ug/L	0.10	0.10	1.71	<0.10
Octylphenol	ug/L	1.0	1.0	<1.0	<1.0
Octylphenol Monoethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octylphenol Diethoxylate	ug/L	0.10	0.10	<0.10	<0.10
Bisphenol A	ug/L	0.20	0.20	<0.20	<0.20
Total Nonylphenol Ethoxylates	ug/L	2.0	2.0	10.9	<2.0
Total Octylphenol Ethoxylate	ug/L	2.0	2.0	<2.0	<2.0
Octachlorostyrene					
Octachlorostyrene	ug/L	5.0	5.0	<5.0	<5.0
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	NA ¹	NA ¹
Surrogate: p-Terphenyl d14	%	50-150	50-150	NA ¹	NA ¹
PCB					
Aroclor 1016	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1221	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1232	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1242	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1248	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1254	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1260	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1262	mg/L	0.00010	0.00010	<0.00010	<0.00010
Aroclor 1268	mg/L	0.00010	0.00010	<0.00010	<0.00010
Surrogate: Decachlorobiphenyl	%	65-130	65-130	99.0	89.0
Pesticides, Organochlorine					
Aldrin	ug/L	2.0	2.0	<2.0	<2.0
a-chlordane	ug/L	2.0	2.0	<2.0	<2.0
g-chlordane	ug/L	2.0	2.0	<2.0	<2.0
alpha-BHC	ug/L	2.0	2.0	<2.0	<2.0
beta-BHC	ug/L	2.0	2.0	<2.0	<2.0
delta-BHC	ug/L	2.0	2.0	<2.0	<2.0
op-DDD	ug/L	2.0	2.0	<2.0	<2.0
pp-DDD	ug/L	2.0	2.0	<2.0	<2.0
op-DDE	ug/L	2.0	2.0	<2.0	<2.0
pp-DDE	ug/L	2.0	2.0	<2.0	<2.0
op-DDT	ug/L	2.0	2.0	<2.0	<2.0
pp-DDT	ug/L	2.0	2.0	<2.0	<2.0
Dieldrin	ug/L	2.0	2.0	<2.0	<2.0
alpha-Endosulfan	ug/L	2.0	2.0	<2.0	<2.0
beta-Endosulfan	ug/L	2.0	2.0	<2.0	<2.0
Endosulfan Sulfate	ug/L	2.0	2.0	<2.0	<2.0
Endrin	ug/L	2.0	2.0	<2.0	<2.0
Endrin Aldehyde	ug/L	2.0	2.0	<2.0	<2.0
Hexachlorobenzene	ug/L	2.0	2.0	<2.0	<2.0
Heptachlor	ug/L	2.0	2.0	<2.0	<2.0
Heptachlor Epoxide	ug/L	2.0	2.0	<2.0	<2.0
Lindane	ug/L	2.0	2.0	<2.0	<2.0
Methoxychlor	ug/L	2.0	2.0	<2.0	<2.0
Mirex	ug/L	2.0	2.0	<2.0	<2.0

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4'th Quarter Sampling Parameter	November 17, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
Oxychlorthane	ug/L	2.0	2.0	<2.0	<2.0
Surrogate: 2-Fluorobiphenyl	%	30-130	30-130	NA ¹	NA ¹
Surrogate: d14-Terphenyl	%	50-150	50-150	NA ¹	NA ¹
Phenoxyacid Herbicides by GC/MS					
2,4,5-TP	mg/L	5.0	5.0	<5.0	<5.0
MCPA	mg/L	5.0	5.0	<5.0	<5.0
Mecoprop	mg/L	5.0	5.0	<5.0	<5.0
2,4,5-T	mg/L	5.0	5.0	<5.0	<5.0
2,4-D	mg/L	5.0	5.0	<5.0	<5.0
2,4-DP	mg/L	5.0	5.0	<5.0	<5.0
Bromoxynil	mg/L	5.0	5.0	<5.0	<5.0
Dicamba	mg/L	5.0	5.0	<5.0	<5.0
Dinoseb	mg/L	5.0	5.0	<5.0	<5.0
Picloram	mg/L	5.0	5.0	<5.0	<5.0
Surrogate: 2,4-Dichlorophenylacetic Acid	mg/L	50-130	50-130	127.4	122.7
Volatile Organics plus F1					
Acetone	mg/L	0.020	0.020	0.034	<0.020
Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromodichloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromoform	mg/L	0.00050	0.00050	<0.00050	<0.00050
Bromomethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
n-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
sec-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
tert-Butylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Carbon Disulfide	mg/L	0.00050	0.00050	0.00056	<0.00050
Carbon tetrachloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Chloroethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
Chloroform	mg/L	0.00050	0.00050	0.00199	<0.00050
Chloromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
2-Chlorotoluene	mg/L	0.020	0.020	<0.020	<0.020
4-Chlorotoluene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromochloromethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromo-3-chloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dibromoethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dibromomethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,4-Dichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichlorodifluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,1-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2-Dichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,2-Dichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Dichloromethane	mg/L	0.00700	0.00700	<0.00700	<0.00700
1,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2,2-Dichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050

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4'th Quarter Sampling Parameter	November 17, 2014			WEWPCC	
	Units	MDL-Raw	MDL-Final	Raw Sewage Grab	Final Effluent Grab
1,1-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
cis-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
trans-1,3-Dichloropropene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Ethyl Benzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
F1	mg/L	0.10	0.10	<0.10	<0.10
Hexachlorobutadiene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Hexane	mg/L	0.00050	0.00050	<0.00050	<0.00050
2-Hexanone	mg/L	0.020	0.020	<0.020	<0.020
Isopropylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
4-Isopropyltoluene	mg/L	0.00050	0.00050	0.00064	<0.00050
MEK	mg/L	0.020	0.020	<0.020	<0.020
MIBK	mg/L	0.020	0.020	<0.020	<0.020
MTBE	mg/L	0.00050	0.00050	<0.00050	<0.00050
Naphthalene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Styrene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2,2-Tetrachloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Tetrachloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Toluene	mg/L	0.00050	0.00050	0.00329	<0.00050
1,2,3-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trichlorobenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,1,2-Trichloroethane	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichloroethene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Trichlorofluoromethane	mg/L	0.0010	0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,2,4-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
1,3,5-Trimethylbenzene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Vinyl chloride	mg/L	0.00050	0.00050	<0.00050	<0.00050
m+p-Xylenes	mg/L	0.00050	0.00050	<0.00050	<0.00050
o-Xylene	mg/L	0.00050	0.00050	<0.00050	<0.00050
Surrogate: 4-Bromofluorobenzene	%	70-130	70-130	91.1	93.3
Surrogate: 1,4-Difluorobenzene	%	70-130	70-130	99.7	99.9

NOTES:

MDL- Method detection limit
 mg/L- milligrams/Litre
 ug/L- micrograms/Litre
 ng/L- nanograms/Litre
 pg/L- picograms/Litre
 <- less than
 N/A- not analyzed

1 - Surrogate diluted out: % recovery not available.

All parameters were analyzed by contract laboratory.