

Supplemental Information

Table S1.a Parameter values for water samples analyzed in the Gray Water Reuse and Building DPR tests. ND = Not Detected. LoD = Limit of Detection. Blue shading designates advanced treatment.

Parameter	Units	LoD	Gray Water Reuse		Building DPR		
			GW	GWTRS	WWE	DPR	Tap
Aluminum	mg/L	0.05	ND	ND	ND	ND	ND
Antimony	mg/L	0.006	ND	ND	ND	ND	ND
Arsenic	mg/L	0.002	ND	ND	ND	ND	ND
Barium	mg/L	0.05	ND	ND	ND	ND	ND
Beryllium	mg/L	0.002	ND	ND	ND	ND	ND
Boron	mg/L	0.01	ND	ND	0.06	ND	ND
Cadmium	mg/L	0.001	ND	ND	ND	ND	ND
Calcium	mg/L	0.1	33	ND	9.8	0.5	0.3
Cesium	mg/L	0.02	ND	ND	ND	ND	ND
Chromium	mg/L	0.01	ND	ND	ND	ND	ND
Copper	mg/L	0.02	0.32	ND	ND	ND	ND
Iron	mg/L	0.01	0.05	ND	0.1	ND	0.03
Lead	mg/L	0.001	0.01	ND	ND	ND	ND
Magnesium	mg/L	0.1	20	ND	3.9	5.1	ND
Manganese	mg/L	0.005	ND	ND	0.016	ND	ND
Mercury	ug/L	0.025	ND	ND	ND	ND	ND
Molybdenum	mg/L	0.02	ND	ND	ND	ND	ND
Nickel	mg/L	0.02	ND	ND	ND	ND	ND
Potassium	mg/L	0.1	3	ND	24.1	0.6	2
Selenium	mg/L	0.005	ND	ND	ND	ND	ND
Silver	mg/L	0.005	ND	ND	ND	ND	ND
Sodium	mg/L	0.1	31	ND	149	4	204
Strontium	mg/L	0.001	0.04	ND	ND	ND	ND
Sulfur	mg/L	0.2	ND	ND	24.4	ND	38.6
Thallium	mg/L	0.002	ND	ND	ND	ND	ND
Uranium	mg/L	0.005	ND	ND	ND	ND	ND
Zinc	mg/L	0.02	0.04	ND	ND	ND	ND
Alkalinity	mg/L	10	232	ND	208	28	244
Bromide	mg/L	0.1	ND	ND	0.13	ND	0.2
Chlorate	mg/L	0.05	ND	ND	ND	ND	ND
Chloride	mg/L	0.2	22	ND	61.5	1.6	75
Fluoride	mg/L	0.05	0.7	ND	ND	ND	0.11
Hardness	mg/L	10	149	ND	41	22.3	ND
Nitrate	mg/L	0.1	2	ND	10.5	0.8	ND
Nitrite	mg/L	0.1	ND	ND	ND	ND	ND
pH	s.u.	-	7.7	6.5	7.6	7.6	7.3

Table S1.b Parameter values for water samples analyzed in the Gray Water Reuse and Building DPR tests (continued). ND = Not Detected. LoD = Limit of Detection. Blue shading designates advanced treatment.

Parameter	Units	LoD	Gray Water Reuse		Building DPR		
			GW	GWTRS	WWE	DPR	Tap
Silica	mg/L	0.1	ND	ND	7.1	ND	11.6
Sulfate	mg/L	0.5	ND	ND	71	ND	109
Total Dissolved Solids	mg/L	10	356	ND	570	42	640
Total Organic Carbon	mg/L	0.05	34	2.1	14.2	2.1	6
1,1,1-Trichloroethane	µg/L	0.5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	0.5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/L	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/L	0.5	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	µg/L	0.5	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	µg/L	0.2	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/L	0.5	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/L	0.5	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND
1,3-Dichloropropane	µg/L	0.5	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND
Acrolein	µg/L	20	ND	ND	ND	ND	ND
Acrylonitrile	µg/L	2	ND	ND	ND	ND	ND
Benzene	µg/L	0.5	ND	ND	ND	ND	ND
Bromodichloromethane	µg/L	1	ND	ND	ND	ND	ND
Bromoform	µg/L	1	ND	ND	ND	ND	ND
Carbon tetrachloride	µg/L	0.5	ND	ND	ND	ND	ND
Chloroform	µg/L	0.5	ND	ND	ND	ND	ND
Chlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	µg/L	0.5	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	µg/L	0.5	ND	ND	ND	ND	ND
Dibromochloromethane	µg/L	1	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	0.5	ND	ND	ND	ND	ND
Ethylene dibromide	µg/L	0.2	ND	ND	ND	ND	ND
Hexachlorobutadiene	µg/L	0.2	ND	ND	ND	ND	ND
M-and/or p-xylene	µg/L	1	ND	ND	ND	ND	ND
Methyl t-butyl ether (MTBE)	µg/L	5	ND	ND	ND	ND	ND
Methylene chloride	µg/L	0.5	ND	ND	ND	ND	ND
O-Xylene	µg/L	5	ND	ND	ND	ND	ND
Styrene	µg/L	0.5	ND	ND	ND	ND	ND
Tetrachloroethene	µg/L	0.5	ND	ND	ND	ND	ND
Toluene	µg/L	0.5	ND	ND	ND	ND	ND

Table S1.c Parameter values for water samples analyzed in the Gray Water Reuse and Building DPR tests (continued). ND = Not Detected. LoD = Limit of Detection. Blue shading designates advanced treatment.

Parameter	Units	LoD	Gray Water Reuse		Building DPR		
			GW	GWTRS	WWE	DPR	Tap
Trans-1,2-Dichloroethene	µg/L	0.5	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	µg/L	0.5	ND	ND	ND	ND	ND
Trichlorofluoromethane	µg/L	0.5	ND	ND	ND	ND	ND
Trihalomethanes, total (TTHM)	µg/L	1	22	ND	0.5	1.7	ND
Haloacetic Acids (HAA5)	µg/L	1	ND	29	7	17	ND
Vinyl chloride	µg/L	0.5	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	µg/L	0.5	ND	ND	ND	ND	ND
Benzo(a)pyrene	µg/L	0.2	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)adipate	µg/L	2	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	µg/L	2	ND	ND	ND	ND	ND
Hexachlorobenzene	µg/L	0.2	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	µg/L	0.2	ND	ND	ND	ND	ND
NDMA	µg/L	5	ND	ND	ND	ND	ND
Pentachlorophenol	µg/L	0.5	ND	ND	ND	ND	ND
4,4'-DDT	µg/L	0.5	ND	ND	ND	ND	ND
Alachlor	µg/L	0.2	ND	ND	ND	ND	ND
Atrazine	µg/L	0.2	ND	ND	ND	ND	ND
Chlordane, alpha	µg/L	0.2	ND	ND	ND	ND	ND
Chlordane, gamma	µg/L	0.2	ND	ND	ND	ND	ND
Endrin	µg/L	0.2	ND	ND	ND	ND	ND
Heptachlor	µg/L	0.2	ND	ND	ND	ND	ND
Heptachlor epoxide	µg/L	0.2	ND	ND	ND	ND	ND
Lindane	µg/L	0.2	ND	ND	ND	ND	ND
Methoxychlor	µg/L	0.2	ND	ND	ND	ND	ND
Metolachlor	µg/L	0.5	ND	ND	ND	ND	ND
Metribuzin	µg/L	0.5	ND	ND	ND	ND	ND
Simazine	µg/L	1	ND	ND	ND	ND	ND
Toxaphene	µg/L	3	ND	ND	ND	ND	ND
Trifluralin	µg/L	0.2	ND	ND	ND	ND	ND
PCB Aroclor, Total	µg/L	0.5	ND	ND	ND	ND	ND
1,7-Dimethylxanthine	ng/L	10	2400	ND	ND	ND	ND
Acetaminophen	ng/L	5	ND	ND	ND	ND	ND
Albuterol	ng/L	5	ND	ND	ND	ND	ND
Amoxicillin	ng/L	20	ND	ND	ND	ND	ND
Androstenedione	ng/L	5	16	ND	ND	ND	ND
Atenolol	ng/L	5	ND	ND	ND	ND	ND
Atrazine	ng/L	5	ND	ND	ND	ND	ND
Bezafibrate	ng/L	5	ND	ND	ND	ND	ND
Bromacil	ng/L	5	2700	ND	ND	ND	ND

Table S1.d Parameter values for water samples analyzed in the Gray Water Reuse and Building DPR tests (continued). ND = Not Detected. LoD = Limit of Detection. Blue shading designates advanced treatment.

Parameter	Units	LoD	Gray Water Reuse		Building DPR		
			GW	GWTRS	WWE	DPR	Tap
Caffeine	ng/L	5	ND	ND	ND	ND	ND
Carbadox	ng/L	5	ND	ND	ND	ND	ND
Carbamazepine	ng/L	5	ND	ND	ND	ND	ND
Carisoprodol	ng/L	5	ND	ND	ND	ND	ND
Chloridazon	ng/L	5	ND	ND	ND	ND	ND
Chlorotoluron	ng/L	5	ND	ND	ND	ND	ND
Cimetidine	ng/L	5	4500	ND	ND	ND	ND
Cotinine	ng/L	10	ND	ND	ND	ND	ND
Cyanazine	ng/L	5	ND	ND	ND	ND	ND
DACT	ng/L	5	ND	ND	ND	ND	ND
DEA	ng/L	5	8200	52	11	ND	ND
DEET	ng/L	10	ND	ND	8.1	ND	ND
Dehydronifedipine	ng/L	5	ND	ND	ND	ND	ND
DIA	ng/L	5	ND	ND	ND	ND	ND
Diazepam	ng/L	5	ND	ND	ND	ND	ND
Dilantin	ng/L	20	ND	ND	ND	ND	ND
Diltiazem	ng/L	5	ND	ND	ND	ND	ND
Diuron	ng/L	5	ND	ND	ND	ND	ND
Erythromycin	ng/L	10	ND	ND	ND	ND	ND
Flumequine	ng/L	10	ND	ND	ND	ND	ND
Fluoxetine	ng/L	10	ND	ND	ND	ND	ND
Isoproturon	ng/L	100	ND	ND	ND	ND	ND
Ketoprofen	ng/L	5	ND	ND	ND	ND	ND
Ketorolac	ng/L	5	230	ND	ND	ND	ND
Lidocaine	ng/L	5	ND	ND	ND	18	ND
Lincomycin	ng/L	10	ND	ND	ND	ND	ND
Linuron	ng/L	5	ND	ND	36	ND	ND
Lopressor	ng/L	20	ND	ND	ND	ND	ND
Meclofenamic acid	ng/L	5	ND	ND	ND	ND	ND
Meprobamate	ng/L	5	ND	ND	ND	ND	ND
Metazachlor	ng/L	5	180	ND	ND	ND	ND
Metformin	ng/L	5	ND	ND	ND	ND	ND
Metolachlor	ng/L	5	ND	ND	ND	ND	ND
Nifedipine	ng/L	20	ND	ND	ND	ND	ND
Norethisterone	ng/L	5	ND	ND	ND	ND	ND
OUST	ng/L	5	ND	ND	ND	ND	ND
Oxolinic acid	ng/L	10	ND	ND	ND	ND	ND
Pentoxifylline	ng/L	5	ND	ND	ND	ND	ND

Table S1.e Parameter values for water samples analyzed in the Gray Water Reuse and Building DPR tests (continued). ND = Not Detected. LoD = Limit of Detection. Blue shading designates advanced treatment.

Parameter	Units	LoD	Gray Water Reuse		Building DPR		
			GW	GWTRS	WWE	DPR	Tap
Phenazone	ng/L	5	ND	ND	ND	ND	ND
Primidone	ng/L	5	ND	ND	ND	ND	ND
Progesterone	ng/L	5	ND	ND	ND	ND	ND
Propazine	ng/L	5	ND	ND	ND	ND	ND
Quinoline	ng/L	5	ND	ND	ND	ND	ND
Simazine	ng/L	5	ND	ND	ND	ND	ND
Sulfachloropyridazine	ng/L	5	ND	ND	ND	ND	ND
Sulfadiazine	ng/L	5	ND	ND	ND	ND	ND
Sulfadimethoxine	ng/L	5	ND	ND	ND	ND	ND
Sulfamerazine	ng/L	5	ND	ND	ND	ND	ND
Sulfamethazine	ng/L	5	ND	ND	ND	ND	ND
Sulfamethizole	ng/L	5	ND	ND	ND	ND	ND
Sulfamethoxazole	ng/L	5	ND	ND	ND	ND	ND
Sulfathiazole	ng/L	5	ND	ND	ND	13	ND
TCEP	ng/L	10	ND	ND	840	130	ND
TCPP	ng/L	100	160	ND	ND	ND	ND
TDCPP	ng/L	100	ND	ND	ND	ND	ND
Testosterone	ng/L	5	ND	ND	33	ND	ND
Theobromine	ng/L	10	1400	ND	ND	ND	ND
Theophylline	ng/L	20	ND	ND	ND	ND	ND
Thiabendazole	ng/L	5	ND	ND	ND	ND	ND
Trimethoprim	ng/L	5	32	ND	ND	ND	ND
2,4-D	ng/L	5	960	380	ND	ND	ND
4-nonylphenol	ng/L	100	260	ND	ND	ND	ND
4-tert-Octylphenol	ng/L	50	24000	ND	600	ND	ND
Acesulfame-K	ng/L	20	ND	ND	ND	ND	ND
Bendroflumethiazide	ng/L	5	370	ND	24	ND	ND
BPA	ng/L	10	ND	ND	7.1	ND	ND
Butalbital	ng/L	5	ND	ND	ND	ND	ND
Butylparaben	ng/L	5	ND	ND	ND	ND	ND
Chloramphenicol	ng/L	10	ND	ND	ND	ND	ND
Clofibric Acid	ng/L	5	ND	ND	ND	ND	ND
Diclofenac	ng/L	5	ND	ND	ND	ND	ND
Estradiol	ng/L	5	ND	ND	ND	ND	ND
Estriol	ng/L	5	ND	ND	ND	ND	ND
Estrone	ng/L	5	ND	ND	ND	ND	ND
Ethinyl Estradiol 17 alpha	ng/L	5	ND	ND	ND	ND	ND
Ethylparaben	ng/L	20	ND	ND	ND	ND	ND

Table S1.f Parameter values for water samples analyzed in the Gray Water Reuse and Building DPR tests (continued). ND = Not Detected. LoD = Limit of Detection. Blue shading designates advanced treatment.

Parameter	Units	LoD	Gray Water Reuse		Building DPR		
			GW	GWTRS	WWE	DPR	Tap
Gemfibrozil	ng/L	5	11000	ND	ND	ND	ND
Ibuprofen	ng/L	10	ND	ND	ND	21	ND
Iohexal	ng/L	10	ND	ND	ND	ND	ND
Iopromide	ng/L	5	ND	ND	ND	ND	ND
Isobutylparaben	ng/L	5	ND	ND	ND	ND	ND
Methylparaben	ng/L	20	2100	ND	ND	ND	ND
Naproxen	ng/L	10	1100	ND	ND	ND	7
Propylparaben	ng/L	5	ND	ND	ND	ND	ND
Salicylic Acid	ng/L	100	7400	ND	60000	ND	ND
Sucralose	ng/L	100	ND	ND	ND	ND	ND
Triclocarban	ng/L	5	100	ND	ND	ND	ND
Triclosan	ng/L	10	ND	ND	ND	ND	ND
Warfarin	ng/L	5	ND	ND	ND	ND	ND
PFOA	ng/L	2	ND	ND	ND	ND	ND
PFOS	ng/L	2	0	0	0	0	0

Table S2.a Parameter values for water samples analyzed in the controlled tests of the Mobile DPR Trailer (DPRT) using Synthetic Wastewater Effluent (SWWE). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	Lab Testing of DPR Trailer with Synthetic WWE						
			SWWE 1	SWWE 2	SSWE 3	DPRT 1	DPRT 2	DPRT 3	DPR, no NaOCl
Aluminum	mg/L	0.05	ND	ND	ND	ND	ND	ND	ND
Antimony	mg/L	0.006	ND	ND	ND	ND	ND	ND	ND
Arsenic	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND
Barium	mg/L	0.05	ND	ND	ND	ND	ND	ND	ND
Beryllium	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.01	ND	ND	ND	ND	ND	ND	ND
Cadmium	mg/L	0.001	ND	ND	ND	ND	ND	ND	ND
Calcium	mg/L	0.1	11.3	19.4	22.4	ND	ND	ND	ND
Cesium	mg/L	0.02	ND	ND	ND	ND	ND	ND	ND
Chromium	mg/L	0.01	ND	ND	ND	ND	ND	ND	ND
Copper	mg/L	0.02	0.012	0.008	0.005	ND	ND	ND	ND
Iron	mg/L	0.01	ND	ND	0.023	ND	ND	ND	ND
Lead	mg/L	0.001	ND	ND	ND	ND	ND	ND	ND
Magnesium	mg/L	0.1	18.2	11.25	24.32	0.12	ND	ND	ND
Manganese	mg/L	0.005	ND	0.075	0.009	ND	ND	ND	ND
Mercury	ug/L	0.025	ND	ND	ND	ND	ND	ND	ND
Molybdenum	mg/L	0.02	ND	ND	ND	ND	ND	ND	ND
Nickel	mg/L	0.02	ND	ND	ND	ND	ND	ND	ND
Potassium	mg/L	0.1	ND	ND	ND	ND	ND	ND	ND
Selenium	mg/L	0.005	ND	ND	ND	ND	ND	ND	ND
Silver	mg/L	0.005	ND	ND	ND	ND	ND	ND	ND
Sodium	mg/L	0.1	52	43	69	72	51	18	15
Strontium	mg/L	0.001	0.111	0.225	0.261	0.002	ND	ND	0.001
Sulfur	mg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Thallium	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND
Uranium	mg/L	0.005	0.002	ND	0.001	ND	ND	ND	ND
Zinc	mg/L	0.02	0.015	ND	0.035	0.006	ND	ND	ND
Alkalinity	mg/L	10	ND	200	240	ND	ND	ND	220
Bromide	mg/L	0.1	ND	ND	1.1	ND	ND	0.6	ND
Chlorate	mg/L	0.05	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	0.2	22	31	65	99	ND	6.2	ND
Fluoride	mg/L	0.05	0.6	0.8	1.6	ND	ND	ND	ND
Hardness	mg/L	10	110	95	160	ND	ND	ND	ND
Nitrate	mg/L	0.1	ND	ND	ND	ND	ND	ND	ND
Nitrite	mg/L	0.1	ND	ND	ND	ND	ND	ND	ND
pH	s.u.	-	ND	8.1	7.4	8.6	7.4	3.5	4.5
Silica	mg/L	0.1	ND	ND	ND	ND	ND	ND	ND
Sulfate	mg/L	0.5	6.1	13	53	ND	ND	ND	ND
Total Dissolved Solids	mg/L	10	ND	250	390	170	51	65	36

Table S2.b Parameter values for water samples analyzed in the controlled tests of the Mobile DPR Trailer (DPRT) using Synthetic Wastewater Effluent (SWWE) (Continued). ND = Not Detected. LoD = Limit of Detection. Blue shading designates advanced treatment.

Parameter	Units	LoD	Lab Testing of DPR Trailer with Synthetic WWE						
			SWWE 1	SWWE 2	SSWE 3	DPRT 1	DPRT 2	DPRT 3	DPR, no NaOCl
Total Organic Carbon	mg/L	0.05	6.4	9.5	9.4	0.8	0.95	0.43	0.46
1,1,1-Trichloroethane	µg/L	0.5	ND	ND	ND	ND	ND	ND	180
1,1,2,2-Tetrachloroethane	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Acrolein	µg/L	20	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	µg/L	2	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/L	0.5	ND	ND	ND	ND	ND	0.002	ND
Bromodichloromethane	µg/L	1	4	ND	3	ND	ND	ND	ND
Bromoform	µg/L	1	ND	ND	ND	ND	ND	ND	2
Carbon tetrachloride	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Chloroform	µg/L	0.5	23	8	12	0.004	0.002	ND	ND
Chlorobenzene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	µg/L	1	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
M-and/or p-xylene	µg/L	1	ND	ND	ND	ND	ND	ND	ND
Methyl t-butyl ether (MTBE)	µg/L	5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
O-Xylene	µg/L	5	ND	ND	ND	ND	ND	ND	ND
Styrene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/L	0.5	ND	1	1	32	ND	46	ND
Trans-1,2-Dichloroethene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	µg/L	0.5	ND	ND	ND	ND	ND	ND	56

Table S2.c Parameter values for water samples analyzed in the controlled tests of the Mobile DPR Trailer (DPRT) using Synthetic Wastewater Effluent (SWWE) (Continued). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	Lab Testing of DPR Trailer with Synthetic WWE						
			SWWE 1	SWWE 2	SSWE 3	DPRT 1	DPRT 2	DPRT 3	DPR, no NaOCl
Trichloroethene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes, total (TTHM)	µg/L	1	27	8	15	4	2	ND	2
Haloacetic Acids (HAA5)	µg/L	1	65	78	11	189	7	ND	ND
Vinyl chloride	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)adipate	µg/L	2	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	µg/L	2	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
NDMA	µg/L	5	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Alachlor	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Atrazine	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Chlordane, alpha	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Chlordane, gamma	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Endrin	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Heptachlor	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Lindane	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
Metolachlor	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Metribuzin	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
Simazine	µg/L	1	ND	ND	ND	ND	ND	ND	ND
Toxaphene	µg/L	3	ND	ND	ND	ND	ND	ND	ND
Trifluralin	µg/L	0.2	ND	ND	ND	ND	ND	ND	ND
PCB Aroclor, Total	µg/L	0.5	ND	ND	ND	ND	ND	ND	ND
1,7-Dimethylxanthine	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Acetaminophen	ng/L	5	2400	1100	1700	ND	ND	ND	ND
Albuterol	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Amoxicillin	ng/L	20	ND	ND	ND	ND	ND	ND	ND
Androstenedione	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Atenolol	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Atrazine	ng/L	5	ND	ND	5.1	ND	ND	ND	ND
Bezafibrate	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Bromacil	ng/L	5	ND	ND	ND	ND	ND	ND	ND

Table S2.d Parameter values for water samples analyzed in the controlled tests of the Mobile DPR Trailer (DPRT) using Synthetic Wastewater Effluent (SWWE) (Continued). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	Lab Testing of DPR Trailer with Synthetic WWE						
			SWWE 1	SWWE 2	SSWE 3	DPRT 1	DPRT 2	DPRT 3	DPR, no NaOCl
Caffeine	ng/L	5	1600	580	1100	ND	11	ND	ND
Carbadox	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Carbamazepine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Carisoprodol	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Chloridazon	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Chlorotoluron	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Cimetidine	ng/L	5	ND	ND	ND	ND	ND	12	ND
Cotinine	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Cyanazine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
DACT	ng/L	5	ND	54	ND	ND	ND	ND	ND
DEA	ng/L	5	ND	ND	ND	ND	ND	ND	ND
DEET	ng/L	10	4000	1800	2800	ND	14	ND	ND
Dehydronifedipine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
DIA	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Diazepam	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Dilantin	ng/L	20	ND	ND	ND	ND	ND	ND	ND
Diltiazem	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Diuron	ng/L	5	ND	39	25	ND	ND	ND	ND
Erythromycin	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Flumequine	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Fluoxetine	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Isoproturon	ng/L	100	ND	ND	ND	ND	ND	ND	ND
Ketoprofen	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Ketorolac	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Lidocaine	ng/L	5	19	23	12	ND	ND	ND	ND
Lincomycin	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Linuron	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Lopressor	ng/L	20	ND	130	350	ND	ND	ND	ND
Meclofenamic acid	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Meprobamate	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Metazachlor	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Metformin	ng/L	5	82	ND	96	5.6	ND	7	ND
Metolachlor	ng/L	5	ND	ND	ND	ND	ND	5.1	ND
Nifedipine	ng/L	20	ND	ND	ND	ND	ND	ND	ND
Norethisterone	ng/L	5	ND	ND	ND	ND	ND	ND	ND
OUST	ng/L	5	ND	ND	ND	ND	ND	ND	ND

Table S2.e Parameter values for water samples analyzed in the controlled tests of the Mobile DPR Trailer (DPRT) using Synthetic Wastewater Effluent (SWWE) (Continued). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	Lab Testing of DPR Trailer with Synthetic WWE						
			SWWE 1	SWWE 2	SSWE 3	DPRT 1	DPRT 2	DPRT 3	DPR, no NaOCl
Oxolinic acid	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Pentoxifylline	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Phenazone	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Primidone	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Progesterone	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Propazine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Quinoline	ng/L	5	ND	ND	24	ND	ND	ND	ND
Simazine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Sulfachloropyridazine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Sulfadiazine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Sulfadimethoxine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Sulfamerazine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Sulfamethazine	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Sulfamethizole	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Sulfamethoxazole	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Sulfathiazole	ng/L	5	ND	ND	ND	ND	ND	ND	ND
TCEP	ng/L	10	ND	ND	11	ND	ND	130	33
T CPP	ng/L	100	ND	ND	120	ND	ND	920	230
TDCPP	ng/L	100	ND	ND	ND	ND	ND	ND	ND
Testosterone	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Theobromine	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Theophylline	ng/L	20	ND	ND	ND	ND	ND	ND	ND
Thiabendazole	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Trimethoprim	ng/L	5	ND	ND	ND	ND	ND	ND	ND
2,4-D	ng/L	5	ND	ND	ND	ND	ND	ND	ND
4-nonylphenol	ng/L	100	ND	ND	ND	ND	ND	ND	ND
4-tert-Octylphenol	ng/L	50	ND	ND	ND	ND	ND	ND	ND
Acesulfame-K	ng/L	20	500	280	540	ND	ND	ND	ND
Bendroflumethiazide	ng/L	5	ND	ND	ND	ND	ND	ND	ND
BPA	ng/L	10	ND	ND	2100	ND	ND	ND	79
Butalbital	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Butylparaben	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Chloramphenicol	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Clofibric Acid	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Diclofenac	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Estradiol	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Estriol	ng/L	5	ND	ND	ND	ND	ND	ND	ND

Table S2.f Parameter values for water samples analyzed in the controlled tests of the Mobile DPR Trailer (DPRT) using Synthetic Wastewater Effluent (SWWE) (Continued). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	Lab Testing of DPR Trailer with Synthetic WWE						
			SWWE 1	SWWE 2	SSWE 3	DPRT 1	DPRT 2	DPRT 3	DPR, no NaOCl
Estriol	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Estrone	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Ethinyl Estradiol 17 alpha	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Ethylparaben	ng/L	20	ND	ND	ND	ND	ND	ND	ND
Gemfibrozil	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Ibuprofen	ng/L	10	ND	1200	2400	ND	ND	ND	ND
Iohexal	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Iopromide	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Isobutylparaben	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Methylparaben	ng/L	20	ND	ND	ND	ND	ND	ND	ND
Naproxen	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Propylparaben	ng/L	5	6.8	ND	ND	ND	ND	ND	ND
Salicylic Acid	ng/L	100	2000	1500	ND	ND	ND	ND	110
Sucralose	ng/L	100	1700	890	900	ND	ND	ND	ND
Triclocarban	ng/L	5	ND	ND	ND	ND	ND	ND	ND
Triclosan	ng/L	10	ND	ND	ND	ND	ND	ND	ND
Warfarin	ng/L	5	ND	ND	ND	ND	ND	ND	ND
PFOA	ng/L	2	ND	ND	ND	ND	ND	ND	ND
PFOS	ng/L	2	ND	ND	ND	ND	ND	ND	ND

Table S3.a Parameter values for water samples taken after increasing levels of treatment during the field tests of the Mobile DPR Trailer. ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	DPR Trailer Field Test			
			WWE	BAC-UF-RO	+AOP	+NaOCl
Aluminum	mg/L	0.05	ND	ND	ND	ND
Antimony	mg/L	0.006	ND	ND	ND	ND
Arsenic	mg/L	0.002	ND	ND	ND	ND
Barium	mg/L	0.05	ND	ND	ND	ND
Beryllium	mg/L	0.002	ND	ND	ND	ND
Boron	mg/L	0.01	ND	ND	ND	ND
Cadmium	mg/L	0.001	0.002	ND	ND	ND
Calcium	mg/L	0.1	59	ND	ND	ND
Cesium	mg/L	0.02	ND	ND	ND	ND
Chromium	mg/L	0.01	ND	ND	ND	ND
Copper	mg/L	0.02	0.014	ND	ND	ND
Iron	mg/L	0.01	0.06	ND	ND	ND
Lead	mg/L	0.001	ND	ND	ND	ND
Magnesium	mg/L	0.1	8.59	ND	ND	ND
Manganese	mg/L	0.005	0.075	ND	ND	ND
Mercury	ug/L	0.025	ND	ND	ND	ND
Molybdenum	mg/L	0.02	ND	ND	ND	ND
Nickel	mg/L	0.02	0.042	ND	ND	ND
Potassium	mg/L	0.1	ND	ND	ND	ND
Selenium	mg/L	0.005	ND	ND	ND	ND
Silver	mg/L	0.005	ND	ND	ND	ND
Sodium	mg/L	0.1	380	20	25	56
Strontium	mg/L	0.001	0.238	0.001	0.001	0.002
Sulfur	mg/L	0.2	ND	ND	ND	ND
Thallium	mg/L	0.002	ND	ND	ND	ND
Uranium	mg/L	0.005	ND	ND	ND	ND
Zinc	mg/L	0.02	0.09	ND	ND	ND
Alkalinity	mg/L	10	36	ND	ND	64
Bromide	mg/L	0.1	ND	ND	ND	ND
Chlorate	mg/L	0.05	ND	ND	ND	ND
Chloride	mg/L	0.2	340	14	6.2	6.2
Fluoride	mg/L	0.05	ND	ND	ND	ND
Hardness	mg/L	10	180	ND	ND	ND
Nitrate	mg/L	0.1	9.1	1.2	1.4	1.3
Nitrite	mg/L	0.1	ND	ND	ND	ND
pH	s.u.	-	8.1	8.2	3.7	7.3
Silica	mg/L	0.1	ND	ND	ND	ND
Sulfate	mg/L	0.5	410	ND	24	30
Total Dissolved Solids	mg/L	10	1250	36	68	150

Table S3.b Parameter values for water samples taken after increasing levels of treatment during the field tests of the Mobile DPR Trailer (Continued). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	DPR Trailer Field Test			
			WWE	BAC-UF-RO	+AOP	+NaOCl
Total Organic Carbon	mg/L	0.05	2.2	0.22	0.27	0.22
1,1,1-Trichloroethane	µg/L	0.5	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/L	0.5	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/L	0.5	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	0.5	ND	ND	ND	ND
1,1-Dichloroethene	µg/L	0.5	ND	ND	ND	ND
1,2,3-Trichloropropane	µg/L	0.5	ND	ND	ND	ND
1,2,4-Trichlorobenzene	µg/L	0.5	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	µg/L	0.2	ND	ND	ND	ND
1,2-Dichlorobenzene	µg/L	0.5	ND	ND	ND	ND
1,2-Dichloroethane	µg/L	0.5	ND	ND	ND	ND
1,2-Dichloropropane	µg/L	0.5	ND	ND	ND	ND
1,3-Dichlorobenzene	µg/L	0.5	ND	ND	ND	ND
1,3-Dichloropropane	µg/L	0.5	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L	0.5	ND	ND	ND	ND
Acrolein	µg/L	20	ND	ND	ND	ND
Acrylonitrile	µg/L	2	ND	ND	ND	ND
Benzene	µg/L	0.5	ND	2	2	2
Bromodichloromethane	µg/L	1	ND	ND	ND	ND
Bromoform	µg/L	1	ND	ND	ND	ND
Carbon tetrachloride	µg/L	0.5	ND	ND	ND	ND
Chloroform	µg/L	0.5	8	ND	ND	ND
Chlorobenzene	µg/L	0.5	ND	ND	ND	ND
Cis-1,2-Dichloroethene	µg/L	0.5	ND	ND	ND	ND
Cis-1,3-Dichloropropene	µg/L	0.5	ND	ND	ND	ND
Dibromochloromethane	µg/L	1	ND	ND	ND	ND
Ethylbenzene	µg/L	0.5	ND	ND	ND	ND
Ethylene dibromide	µg/L	0.2	ND	ND	ND	ND
Hexachlorobutadiene	µg/L	0.2	ND	ND	ND	ND
M-and/or p-xylene	µg/L	1	ND	ND	ND	ND
Methyl t-butyl ether (MTBE)	µg/L	5	ND	ND	ND	ND
Methylene chloride	µg/L	0.5	ND	ND	ND	ND
O-Xylene	µg/L	5	ND	ND	ND	ND
Styrene	µg/L	0.5	ND	ND	ND	ND
Tetrachloroethene	µg/L	0.5	ND	ND	ND	ND
Toluene	µg/L	0.5	1	27	46	46
Trans-1,2-Dichloroethene	µg/L	0.5	ND	ND	ND	ND
Trans-1,3-Dichloropropene	µg/L	0.5	ND	ND	ND	ND

Table S3.c Parameter values for water samples taken after increasing levels of treatment during the field tests of the Mobile DPR Trailer (Continued). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	DPR Trailer Field Test			
			WWE	BAC-UF-RO	+AOP	+NaOCl
Trichloroethene	µg/L	0.5	ND	ND	ND	ND
Trichlorofluoromethane	µg/L	0.5	ND	ND	ND	ND
Trihalomethanes, total (TTHM)	µg/L	1	8	ND	ND	ND
Haloacetic Acids (HAA5)	µg/L	1	ND	ND	ND	5
Vinyl chloride	µg/L	0.5	ND	ND	ND	ND
2,4-Dinitrotoluene	µg/L	0.5	ND	ND	ND	ND
Benzo(a)pyrene	µg/L	0.2	ND	ND	ND	ND
Bis(2-ethylhexyl)adipate	µg/L	2	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	µg/L	2	ND	ND	ND	ND
Hexachlorobenzene	µg/L	0.2	ND	ND	ND	ND
Hexachlorocyclopentadiene	µg/L	0.2	ND	ND	ND	ND
NDMA	µg/L	5	ND	ND	ND	ND
Pentachlorophenol	µg/L	0.5	ND	ND	ND	ND
4,4'-DDT	µg/L	0.5	ND	ND	ND	ND
Alachlor	µg/L	0.2	ND	ND	ND	ND
Atrazine	µg/L	0.2	ND	ND	ND	ND
Chlordane, alpha	µg/L	0.2	ND	ND	ND	ND
Chlordane, gamma	µg/L	0.2	ND	ND	ND	ND
Endrin	µg/L	0.2	ND	ND	ND	ND
Heptachlor	µg/L	0.2	ND	ND	ND	ND
Heptachlor epoxide	µg/L	0.2	ND	ND	ND	ND
Lindane	µg/L	0.2	ND	ND	ND	ND
Methoxychlor	µg/L	0.2	ND	ND	ND	ND
Metolachlor	µg/L	0.5	ND	ND	ND	ND
Metribuzin	µg/L	0.5	ND	ND	ND	ND
Simazine	µg/L	1	ND	ND	ND	ND
Toxaphene	µg/L	3	ND	ND	ND	ND
Trifluralin	µg/L	0.2	ND	ND	ND	ND
PCB Aroclor, Total	µg/L	0.5	ND	ND	ND	ND
1,7-Dimethylxanthine	ng/L	10	17	ND	ND	ND
Acetaminophen	ng/L	5	320	ND	ND	ND
Albuterol	ng/L	5	12	ND	ND	ND
Amoxicillin	ng/L	20	ND	ND	ND	ND
Androstenedione	ng/L	5	ND	ND	ND	ND
Atenolol	ng/L	5	300	ND	ND	ND
Atrazine	ng/L	5	ND	ND	ND	ND
Bezafibrate	ng/L	5	ND	ND	ND	ND
Bromacil	ng/L	5	ND	ND	ND	ND

Table S3.d Parameter values for water samples taken after increasing levels of treatment during the field tests of the Mobile DPR Trailer (Continued). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	DPR Trailer Field Test			
			WWE	BAC-UF-RO	+AOP	+NaOCl
Caffeine	ng/L	5	230	ND	ND	ND
Carbadox	ng/L	5	ND	ND	ND	ND
Carbamazepine	ng/L	5	630	ND	ND	ND
Carisoprodol	ng/L	5	5.8	ND	ND	ND
Chloridazon	ng/L	5	ND	ND	ND	ND
Chlorotoluron	ng/L	50	ND	ND	ND	ND
Cimetidine	ng/L	5	190	ND	ND	ND
Cotinine	ng/L	10	62	ND	ND	ND
Cyanazine	ng/L	5	ND	ND	ND	ND
DACT	ng/L	5	ND	ND	ND	ND
DEA	ng/L	5	ND	ND	ND	ND
DEET	ng/L	10	33	ND	ND	ND
Dehydronifedipine	ng/L	5	ND	ND	ND	ND
DIA	ng/L	5	ND	ND	ND	ND
Diazepam	ng/L	5	ND	ND	ND	ND
Dilantin	ng/L	20	38	ND	ND	ND
Diltiazem	ng/L	5	130	ND	ND	ND
Diuron	ng/L	5	99	ND	ND	ND
Erythromycin	ng/L	10	ND	ND	ND	ND
Flumequine	ng/L	10	ND	ND	ND	ND
Fluoxetine	ng/L	10	65	ND	ND	ND
Isoproturon	ng/L	100	ND	ND	ND	ND
Ketoprofen	ng/L	5	ND	ND	ND	ND
Ketorolac	ng/L	5	ND	ND	ND	ND
Lidocaine	ng/L	5	210	ND	ND	ND
Lincomycin	ng/L	10	ND	ND	ND	ND
Linuron	ng/L	5	ND	ND	ND	ND
Lopressor	ng/L	20	ND	ND	ND	ND
Meclofenamic acid	ng/L	5	ND	ND	ND	ND
Meprobamate	ng/L	5	35	ND	ND	ND
Metazachlor	ng/L	5	ND	ND	ND	ND
Metformin	ng/L	5	ND	ND	ND	ND
Metolachlor	ng/L	5	ND	ND	ND	ND
Nifedipine	ng/L	20	ND	ND	ND	ND
Norethisterone	ng/L	5	ND	ND	ND	ND
OUST	ng/L	5	ND	ND	ND	ND
Oxolinic acid	ng/L	10	ND	ND	ND	ND
Pentoxifylline	ng/L	5	ND	ND	ND	ND
Phenazone	ng/L	5	ND	ND	ND	ND

Table S3.e Parameter values for water samples taken after increasing levels of treatment during the field tests of the Mobile DPR Trailer (Continued). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	DPR Trailer Field Test			
			WWE	BAC-UF-RO	+AOP	+NaOCl
Primidone	ng/L	5	ND	ND	ND	ND
Progesterone	ng/L	5	ND	ND	ND	ND
Propazine	ng/L	5	160	8	ND	ND
Quinoline	ng/L	5	ND	ND	ND	ND
Simazine	ng/L	5	ND	ND	ND	ND
Sulfachloropyridazine	ng/L	5	ND	ND	ND	ND
Sulfadiazine	ng/L	5	ND	ND	ND	ND
Sulfadimethoxine	ng/L	5	430	ND	ND	ND
Sulfamerazine	ng/L	5	190	ND	ND	ND
Sulfamethazine	ng/L	5	ND	ND	ND	ND
Sulfamethizole	ng/L	5	ND	ND	ND	ND
Sulfamethoxazole	ng/L	5	ND	ND	ND	ND
Sulfathiazole	ng/L	5	ND	ND	ND	ND
TCEP	ng/L	10	ND	ND	ND	ND
T CPP	ng/L	100	6200	46	ND	ND
TDCPP	ng/L	100	2200	14	ND	ND
Testosterone	ng/L	5	ND	ND	ND	ND
Theobromine	ng/L	10	310	ND	ND	ND
Theophylline	ng/L	20	140	ND	ND	ND
Thiabendazole	ng/L	5	ND	ND	ND	ND
Trimethoprim	ng/L	5	300	ND	ND	ND
2,4-D	ng/L	5	ND	ND	ND	ND
4-nonylphenol	ng/L	100	ND	ND	ND	ND
4-tert-Octylphenol	ng/L	50	ND	ND	ND	ND
Acesulfame-K	ng/L	20	1000	22	ND	ND
Bendroflumethiazide	ng/L	5	ND	ND	ND	ND
BPA	ng/L	10	99	ND	ND	ND
Butalbital	ng/L	5	37	ND	ND	ND
Butylparaben	ng/L	5	ND	ND	ND	ND
Chloramphenicol	ng/L	10	ND	ND	ND	ND
Clofibric Acid	ng/L	5	ND	ND	ND	ND
Diclofenac	ng/L	5	ND	ND	ND	ND
Estradiol	ng/L	5	ND	ND	ND	ND
Estriol	ng/L	5	ND	ND	ND	ND
Estrone	ng/L	5	ND	ND	ND	ND
Ethinyl Estradiol 17 alpha	ng/L	5	ND	ND	ND	ND
Ethylparaben	ng/L	20	ND	ND	ND	ND
Gemfibrozil	ng/L	5	ND	ND	ND	ND
Ibuprofen	ng/L	10	12	ND	ND	ND

Table S3.f Parameter values for water samples taken after increasing levels of treatment during the field tests of the Mobile DPR Trailer (Continued). ND = Not Detected. LoD = Limit of Detection.

Parameter	Units	LoD	DPR Trailer Field Test			
			WWE	BAC-UF-RO	+AOP	+NaOCl
Iohexal	ng/L	10	ND	ND	ND	ND
Iopromide	ng/L	5	ND	ND	ND	ND
Isobutylparaben	ng/L	5	ND	ND	ND	ND
Methylparaben	ng/L	20	ND	ND	ND	ND
Naproxen	ng/L	10	160	ND	ND	ND
Propylparaben	ng/L	5	ND	ND	ND	ND
Salicylic Acid	ng/L	100	470	58	ND	ND
Sucralose	ng/L	100	81000	ND	ND	ND
Triclocarban	ng/L	5	ND	ND	ND	ND
Triclosan	ng/L	10	ND	ND	ND	ND
Warfarin	ng/L	5	19	ND	ND	ND
PFOA	ng/L	2	ND	ND	ND	ND
PFOS	ng/L	2	ND	ND	ND	ND

Table S.4 Ingredients for the synthetic wastewater effluent (SWWE) formulation that was used in controlled testing of the DPR trailer system at a pilot laboratory prior to field testing.

Component	Amount (g/1900 L)
Beef Extract Powder	7.2
Milk Powder	7.2
Urea	3.6
Ammonium Chloride	3
Humic Acid	1.2
Yeast Extract Powder	9.6
Potassium Phosphate (di-basic)	8.4
Sodium Chloride	7
Standard Test Dust (SO 12103-1, A-2)	0.2
Commercial Top Soil	0.12
Acetaminophen	0.0017
Aspirin	0.0025
Salicylamide	0.0024
Caffeine	0.0005
Bacteracin	0.0001
Lidocaine	0.0002
BPA	0.0003
Acesulfame K	0.0005
Sucralose	0.0006
DEET	0.007
Sodium Hypochlorite (7%)	0.011
Sodium Dodecyl Sulfate	0.005
Primary Wastewater (Ultrafiltered)	500 (0.5 L)