

Table S-1. Median concentrations and percent detection by storm event for the 21 priority parameters.

Parameter	units	Storm 1		Storm 2		Storm 3		Storm 4		Storm 5		Storm 6	
		Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect
Commercial													
Arsenic Dissolved	ug/L	0.78	100%	0.77	100%	0.66	100%	0.44	100%	0.875	100%	0.6	100%
Arsenic Total	ug/L	1.155	100%	0.875	100%	0.99	100%	0.825	100%	1.035	100%	0.92	100%
Cadmium Dissolved	ug/L	0.032	75%	0.0355	100%	0.0485	100%	0.028	100%	0.0325	100%	0.024	75%
Cadmium Total	ug/L	0.105	50%	0.05	25%	0.08	50%	0.05	25%	0.05	25%	0.05	25%
Copper Dissolved	ug/L	2.255	100%	2.905	100%	2.67	100%	1.96	100%	2.205	100%	2.36	100%
Copper Total	ug/L	4.855	100%	3.38	100%	5.055	100%	3.48	100%	4.19	100%	3.62	100%
Lead Dissolved	ug/L	0.1735	100%	0.2325	100%	0.291	100%	0.2745	100%	0.241	100%	0.1975	100%
Lead Total	ug/L	2.915	100%	1.115	100%	2.97	100%	1.99	100%	1.065	100%	1.675	100%
Mercury Dissolved	ug/L	0.0045	75%	0.003	100%	0.0025	100%	0.004	100%	0.00365	75%	0.0033	75%
Mercury Total	ug/L	0.0118	100%	0.0045	100%	0.00795	100%	0.00835	100%	0.00555	100%	0.0061	100%
Zinc Dissolved	ug/L	30.15	100%	36.4	100%	33	100%	26.8	100%	23.2	100%	25.25	100%
Zinc Total	ug/L	45.15	100%	35.65	100%	43.05	100%	37.45	100%	36.55	100%	34.5	100%
Total PCBs	pg/L	3398.5	100%			2412.5	100%			1323.25	100%		
Total PBDEs	pg/L	4065.59	100%	1352.75	100%	15768.15	100%			2388.3	100%		
Total PAHs	ug/L	0.199	100%	0.03105	75%	0.292	100%	0.37865	100%	0.11205	100%	0.1675	100%
Total cPAHs	ug/L	0.082	100%	0.01125	50%	0.133	100%	0.19515	100%	0.0601	100%	0.089	100%
Total LPAHs	ug/L	0.017	100%	0.00675	75%	0.043	100%	0.0275	100%	0.00755	100%	0.0135	100%
Total HPAHs	ug/L	0.182	100%	0.0243	75%	0.249	100%	0.35715	100%	0.1072	100%	0.149	100%
Bis(2-Ethylhexyl) Phthalate	ug/L	0.445	75%	0.0975	0%	0.79	100%	0.3925	50%	0.17	25%	0.34	75%
Tricopyr	ug/L	0.0465	75%	0.034	50%	0.03225	25%	0.031	25%	0.0365	50%	0.03475	50%
Nonylphenol	ug/L	0.1575	0%	0.16	0%	0.1575	25%	0.1625	0%	0.16	0%	0.155	0%
Total DDT	ng/L	1.25	25%	1.375	25%	1.25	25%	1.275	25%	0.1925	25%	0.1025	25%
Oil and Grease	mg/L	0.6	100%	0.2	0%	0.2	25%	0.3	50%	0.2	25%	0.2	25%
Lube Oil-TPH-DOG	mg/L	0.08	100%	0.04	50%	0.09999999	75%	0.165	75%	0.0595	75%	0.056	75%
Total Suspended Solids	mg/L	17.5	100%	6.5	100%	11.5	100%	12.4	100%	5	100%	10	100%
Total Phosphorus	mg/L	0.0596	100%	0.0429	100%	0.05875	100%	0.03585	100%	0.03835	100%	0.039	100%
Nitrate-Nitrite as N	mg/L	0.1315	100%	0.234	100%	0.2325	100%	0.264	100%	0.1135	100%	0.175	100%

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		Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect
Residential													
Arsenic Dissolved	ug/L	0.735	100%	0.6	100%	0.595	100%	0.5	75%	0.5700001	100%	0.665	100%
Arsenic Total	ug/L	1.01	100%	0.705	100%	0.885	100%	0.895	100%	0.695	100%	1.005	100%
Cadmium Dissolved	ug/L	0.01	0%	0.01	0%	0.01	0%	0.01	0%	0.01	0%	0.01	0%
Cadmium Total	ug/L	0.05	0%	0.05	0%	0.05	0%	0.05	0%	0.05	0%	0.05	0%
Copper Dissolved	ug/L	1.79	100%	1.345	100%	1.24	100%	1.12	75%	0.86	100%	1.16	100%
Copper Total	ug/L	3.035	100%	1.69	100%	2.22	100%	3.4	100%	1.9	100%	2.365	100%
Lead Dissolved	ug/L	0.1615	100%	0.1205	100%	0.0845	100%	0.0975	75%	0.082	100%	0.131	100%
Lead Total	ug/L	0.93	100%	0.315	100%	0.495	100%	1.215	100%	0.5	100%	0.97	100%
Mercury Dissolved	ug/L	0.0045	75%	0.005	75%	0.005	75%	0.0035	75%	0.0038	75%	0.0053	75%
Mercury Total	ug/L	0.0103	100%	0.0067	100%	0.00665	100%	0.0104	100%	0.00695	100%	0.009	100%
Zinc Dissolved	ug/L	4.05	100%	3.3	100%	6.6	100%	3.6	100%	4.3	100%	2.75	100%
Zinc Total	ug/L	8.2	100%	2.5	0%	6.55	75%	9.35	100%	4	50%	8.05	75%
Total PCBs	pg/L	351.3	100%			268	75%			72.75	75%		
Total PBDEs	pg/L	125	25%	75.5	50%	11.55	75%			109.95	75%		
Total PAHs	ug/L	0.007425	0%	0.01	0%	0.01345	100%	0.0208	75%	0.009749999	25%	0.0052	50%
Total cPAHs	ug/L	0.004925	0%	0.01	0%	0.009749999	25%	0.012025	50%	0.00875	25%	0.004925	25%
Total LPAHs	ug/L	0.007425	0%	0.00495	0%	0.01345	100%	0.005575	50%	0.004875	0%	0.0052	0%
Total HPAHs	ug/L	0.004925	0%	0.01	0%	0.009749999	25%	0.018425	50%	0.009749999	25%	0.004875	50%
Bis(2-Ethylhexyl) Phthalate	ug/L	0.08	0%	0.08	0%	0.105	100%	0.08	0%	0.08	0%	0.0775	0%
Triclopyr	ug/L	0.0985	75%	0.03525	50%	0.0305	50%	0.03	50%	0.031	50%	0.0305	50%
Nonylphenol	ug/L	0.16	0%	0.16	0%	0.165	0%	0.165	0%	0.1575	0%	0.1575	0%
Total DDT	ng/L	1.25	0%	1.25	0%	1.25	0%	1.3	0%	0.1	0%	0.1	0%
Oil and Grease	mg/L	0.5	75%	0.2	0%	0.2	25%	0.2	25%	0.2	0%	0.2	0%
Lube Oil-TPH-DOG	mg/L	0.0225	50%	0.0155	0%	0.0155	0%	0.0165	25%	0.016	25%	0.016	0%
Total Suspended Solids	mg/L	17	100%	5.5	100%	14	100%	36	100%	14	100%	24.5	100%
Total Phosphorus	mg/L	0.1145	100%	0.0415	100%	0.07675	100%	0.104	100%	0.04645	100%	0.0609	100%
Nitrate-Nitrite as N	mg/L	0.95	100%	1.108	100%	1.29	100%	1.094	100%	0.8615	100%	0.625	100%

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		Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect
Agricultural													
Arsenic Dissolved	ug/L	1.17	100%	1.03	100%	0.95	100%	0.87	100%	1.165	100%	1.015	100%
Arsenic Total	ug/L	1.38	100%	1.17	100%	1.17	100%	1.215	100%	1.175	100%	1.64	100%
Cadmium Dissolved	ug/L	0.024	75%	0.0215	75%	0.0195	50%	0.0165	50%	0.01	25%	0.01	0%
Cadmium Total	ug/L	0.05	0%	0.05	0%	0.05	0%	0.05	0%	0.05	0%	0.05	0%
Copper Dissolved	ug/L	4.15	100%	5.065	100%	4.285	100%	4.21	100%	2.63	100%	3.81	100%
Copper Total	ug/L	6.895	100%	6.195	100%	5.805	100%	5.215	100%	3.03	100%	6.135	100%
Lead Dissolved	ug/L	0.1405	100%	0.108	100%	0.0905	100%	0.093	100%	0.0885	100%	0.1395	100%
Lead Total	ug/L	0.545	100%	0.275	75%	0.23	100%	0.22	100%	0.175	75%	0.59	100%
Mercury Dissolved	ug/L	0.0065	100%	0.0075	100%	0.0075	100%	0.009500001	100%	0.00655	100%	0.0101	100%
Mercury Total	ug/L	0.01385	100%	0.0107	100%	0.0108	100%	0.00945	100%	0.00745	100%	0.01275	100%
Zinc Dissolved	ug/L	27.1	100%	9.65	100%	8.950001	100%	5.8	100%	3.15	100%	7.1	100%
Zinc Total	ug/L	31.55	100%	9.6	75%	8.7	100%	7.9	100%	8.6	75%	9.35	100%
Total PCBs	pg/L									275.5	100%		
Total PBDEs	pg/L	380.63	50%	35.13	75%	80.75	50%			194.35	75%		
Total PAHs	ug/L	0.005975	0%	0.01	0%	0.01185	75%	0.007975	50%	0.0072	0%	0.004925	0%
Total cPAHs	ug/L	0.004925	0%	0.01	0%	0.00725	0%	0.00495	25%	0.0072	0%	0.0049	0%
Total LPAHs	ug/L	0.005975	0%	0.00495	0%	0.01185	75%	0.007975	50%	0.004875	0%	0.004925	0%
Total HPAHs	ug/L	0.004925	0%	0.01	0%	0.00725	25%	0.00495	25%	0.0072	0%	0.0049	0%
Bis(2-Ethylhexyl) Phthalate	ug/L	0.105	50%	0.08	0%	0.08	100%	0.08	0%	0.08	0%	0.08	0%
Triclopyr	ug/L	0.0535	75%	0.031	25%	0.0305	25%	0.031	0%	0.031	25%	0.0305	25%
Nonylphenol	ug/L	0.16	0%	0.1575	0%	0.1625	0%	0.165	0%	0.1575	0%	0.16	0%
Total DDT	ng/L	1.25	0%	1.25	0%	1.25	0%	1.275	0%	0.1	0%	0.1175	25%
Oil and Grease	mg/L	0.4	50%	0.2	0%	0.2	0%	0.2	0%	0.2	25%	0.2	0%
Lube Oil-TPH-DOG	mg/L	0.0275	50%	0.0155	0%	0.0155	0%	0.016	0%	0.016	0%	0.016	0%
Total Suspended Solids	mg/L	12.5	100%	2.5	100%	8	75%	4.1	100%	5.5	100%	20	100%
Total Phosphorus	mg/L	0.2345	100%	0.162	100%	0.204	100%	0.1635	100%	0.2065	100%	0.3615	100%
Nitrate-Nitrite as N	mg/L	1.007	100%	1.94	100%	2.495	100%	2.685	100%	0.3	100%	0.537	100%

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		Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect	Median	% Detect
Forest													
Arsenic Dissolved	ug/L	0.455	100%	0.265	100%	0.22	100%	0.25	100%	0.295	100%	0.265	100%
Arsenic Total	ug/L	0.905	100%	0.365	100%	0.295	100%	0.27	100%	0.375	100%	0.51	100%
Cadmium Dissolved	ug/L	0.01	0%	0.01	0%	0.01	0%	0.01	0%	0.01	0%	0.01	0%
Cadmium Total	ug/L	0.05	0%	0.05	0%	0.05	0%	0.05	0%	0.05	0%	0.05	0%
Copper Dissolved	ug/L	0.81	100%	0.49	100%	0.415	100%	0.46	100%	0.455	100%	0.505	100%
Copper Total	ug/L	2.44	100%	0.76	100%	0.685	100%	0.625	100%	1.29	100%	0.905	100%
Lead Dissolved	ug/L	0.069	75%	0.052	75%	0.059	100%	0.034	100%	0.037	75%	0.0455	100%
Lead Total	ug/L	0.515	100%	0.09	50%	0.105	75%	0.085	50%	0.105	50%	0.17	100%
Mercury Dissolved	ug/L	0.0035	75%	0.002	75%	0.003	75%	0.0015	50%	0.001	25%	0.0023	75%
Mercury Total	ug/L	0.0112	100%	0.00325	100%	0.00355	100%	0.0024	75%	0.00255	100%	0.0039	100%
Zinc Dissolved	ug/L	3	75%	2.3	75%	4.65	50%	1.9	75%	2.3	100%	1.6	50%
Zinc Total	ug/L	4.35	50%	2.5	0%	2.5	0%	2.5	0%	2.5	25%	2.5	25%
Total PCBs	pg/L	297.65	50%			105	50%			165.25	75%		
Total PBDEs	pg/L	581.5	75%	77.4	50%	131.25	25%			125	25%		
Total PAHs	ug/L	0.00845	0%	0.01	0%	0.01	75%	0.007	50%	0.007475	0%	0.00495	0%
Total cPAHs	ug/L	0.0049	0%	0.01	0%	0.00725	0%	0.004925	0%	0.007475	0%	0.00495	0%
Total LPAHs	ug/L	0.00845	0%	0.004925	0%	0.00985	75%	0.007	50%	0.004925	0%	0.00495	0%
Total HPAHs	ug/L	0.0049	0%	0.01	0%	0.00725	0%	0.004925	0%	0.007475	0%	0.00495	0%
Bis(2-Ethylhexyl) Phthalate	ug/L	0.08	0%	0.08	0%	0.075	100%	0.0825	0%	0.08	0%	0.13	50%
Triclopyr	ug/L	0.03175	25%	0.03125	25%	0.03075	25%	0.03125	25%	0.03075	0%	0.0305	25%
Nonylphenol	ug/L	0.1575	0%	0.16	0%	0.1625	0%	0.165	0%	0.1575	0%	0.155	0%
Total DDT	ng/L	1.275	0%	1.25	25%	1.25	0%	1.3	0%	0.1	0%	0.1075	0%
Oil and Grease	mg/L	0.3	50%	0.2	0%	0.2	0%	0.35	50%	0.2	0%	0.2	0%
Lube Oil-TPH-DOG	mg/L	0.015	25%	0.01625	25%	0.01575	0%	0.01625	25%	0.016	0%	0.016	0%
Total Suspended Solids	mg/L	39.5	100%	5	100%	2.5	100%	2	75%	5.5	75%	9	100%
Total Phosphorus	mg/L	0.08215	100%	0.02035	100%	0.02035	100%	0.0174	100%	0.01765	100%	0.0194	100%
Nitrate-Nitrite as N	mg/L	0.6535	100%	0.251	100%	0.261	100%	0.2505	100%	0.141	100%	0.113	100%