

Table I-1. Statistical summary of contaminant mass loads (kg) by parameter.

Parameter and matrix		Case	Data summary								Kaplan - Meier test (Case A parameters)								Regression on statistics (Case B parameters)								Peto Prentice test (Land use significance)			
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS t-statistic	Peto Prentice p-value	Peto Prentice chsq	Peto Prentice df	Seasonal Wilcoxon p-value
1-Methylnaphthalene	C		96.1	282	11	271	5.43E-06	0.004733119	2.15E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.087384
2-Methylnaphthalene	C		82.3	616	109	507	7.76E-07	0.021535755	2.00E-08	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.033896
2,4-D	C		82.5	565	99	466	1.71E-06	0.318689869	2.11E-07	0.157678759	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.86E-06
Acenaphthene	C		89.9	616	62	554	2.09E-06	0.002895619	2.00E-08	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.427946
Acenaphthylene	C		93.3	616	41	575	1.18E-06	0.002743218	2.00E-08	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.933907
Ammonia	A	0	71	71	0	0	0.002746	2.814780534	-	-	0.351432	0.05891	0.235972	0.466893	0.026325676	0.230641	0.443778114	0.764757481	0.496381	-	-	-	-	-	-	0.971065	1.71E-11	49.58787	2	0.009205
Anthracene	C		88.5	616	71	545	2.20E-08	0.002286015	2.07E-08	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.074246
Arsenic dissolved	A	0	16	16	0	0	8.80E-07	0.000292864	-	-	3.75E-05	1.93E-05	-3.61E-07	7.53E-05	2.52E-06	7.67E-06	2.76E-05	0.000148428	7.72E-05	-	-	-	-	-	-	-	-	-	-	0.07004
Benz(a)anthracene	B		65	503	176	327	5.80E-08	0.002671656	3.76E-08	0.002338464	-	-	-	-	-	-	-	-	-	4.11E-05	5.62627E-07	1.57E-06	7.81526E-06	6.01751E-05	0.000181	0.986162	-	-	-	0.480436
Benzene	C		98.9	88	1	87	0.001213	0.001213318	9.91E-06	0.008715911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.540291
Benz(a)pyrene	B		71.5	613	175	438	9.32E-08	0.002374805	1.15E-07	0.002338464	-	-	-	-	-	-	-	-	-	4.59E-05	5.4065E-07	1.06E-06	3.88189E-06	6.30225E-05	0.000201	0.99223	-	-	-	0.504844
Benz(b)fluoranthene	B		69	342	106	236	1.27E-07	0.001063112	1.25E-07	0.001025526	-	-	-	-	-	-	-	-	-	3.65E-05	6.63992E-07	1.37E-06	8.19468E-06	8.37789E-05	0.00012	0.956103	-	-	-	0.28366
Benz(b,k)fluoranthene	B		50.8	126	62	64	2.98E-06	0.004873038	1.04E-06	0.00211322	-	-	-	-	-	-	-	-	-	0.000248	6.33463E-06	2.15E-05	0.000137	0.000631935	0.000658	0.991668	-	-	-	0.099406
Benz(c,h,i)perylene	B		59.7	615	248	367	1.22E-07	0.002968507	2.00E-08	0.002338464	-	-	-	-	-	-	-	-	-	8.69E-05	0.10151E-06	2.69E-06	1.92359E-05	0.000139693	0.00032	0.99215	-	-	-	0.922495
Benz(k)fluoranthene	B		75.4	342	84	258	7.32E-08	0.003486364	1.25E-07	0.001025526	-	-	-	-	-	-	-	-	-	3.87E-05	3.01468E-07	5.43E-07	8.90274E-07	6.17807E-05	0.000218	0.977963	-	-	-	0.243495
Benzofluoranthenes, Total	B		54.1	148	68	80	2.98E-07	0.006134914	2.19E-07	0.004676927	-	-	-	-	-	-	-	-	-	0.000173	3.10458E-06	6.27E-06	1.97083E-05	0.000240397	0.00072	0.993023	-	-	-	0.752631
Bis(2-ethylhexyl) phthalate	A		38	605	375	230	4.25E-06	0.157886435	8.84E-07	0.129272146	0.004408	0.000547	0.003335	0.005481	2.20E-05	0.000306	0.001830965	0.010207221	0.013463	-	-	-	-	-	-	0.988812	9.31E-09	40.27747	3	0.769637
BTEX	C		96.6	88	3	85	0.000109	0.00298663	9.91E-06	0.008715911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.285049
Butyl benzyl phthalate	B		77.1	615	141	474	3.16E-07	0.034111267	1.03E-07	0.051950488	-	-	-	-	-	-	-	-	-	0.000288	1.54493E-06	3.33E-06	5.43741E-06	0.000112176	0.002096	0.994355	-	-	-	0.682267
Cadmium	A		25.4	621	463	158	1.59E-07	0.051891952	1.10E-07	0.004185903	0.000839	0.000133	0.000579	0.001099	3.57E-06	3.51E-05	0.000241172	0.001585703	0.003309	-	-	-	-	-	-	-	-	-	-	4.83E-05
Cadmium dissolved	A		47.1	618	327	291	1.44E-07	0.022919618	1.00E-07	0.032511084	0.000256	5.19E-05	0.000155	0.000358	6.90E-07	4.52E-06	4.04E-05	0.00032808	0.00129	-	-	-	-	-	-	-	-	-	-	0.008501
Calcium	A	0	341	341	0	0	0.00594	295.1452135	-	-	11.46327	1.476944	8.568512	14.35803	0.129770231	0.670081	6.796032	38.43797188	27.27352	-	-	-	-	-	-	0.983507	3.56E-33	154.0323	3	0.070049
Calcium dissolved	A	0	2	2	0	0	0.075973	0.088918275	-	-	23.7252	3.196545	17.46009	29.99031	0.110637419	1.85364	11.00102017	51.48416959	74.07436	-	-	-	-	-	-	-	-	-	-	NA
Chloride	A	2	537	526	11	0	0.001054	805.43393	0.003415006	0.2690096	23.7252	3.196545	17.46009	29.99031	0.110637419	1.85364	11.00102017	51.48416959	74.07436	-	-	-	-	-	-	-	-	-	-	0.230529
Chlorpyrifos	C		99.8	605	1	604	1.29E-05	1.29E-05	-	0.05212557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03925
Chrysene	B		53.4	616	287	329	1.09E-07	0.003558017	1.15E-07	0.002338464	-	-	-	-	-	-	-	-	-	9.84E-05	1.70201E-06	4.63E-06	3.17781E-05	0.000164699	0.000336	0.991698	-	-	-	0.121019
Copper	A	0.5	613	610	3	3	6.17E-06	1.420370688	6.80E-06	7.93E-06	0.066537	0.007527	0.051785	0.081289	0.000658648	0.003377	0.02073068	0.197983703	0.186352	-	-	-	-	-	-	-	-	-	-	1.30E-05
Copper dissolved	A	2.6	587	572	15	15	4.43E-06	1.284187835	6.80E-06	0.178766941	0.020561	0.003119	0.014447	0.026674	0.000248114	0.001315	0.00639087	0.05493741	0.075572	-	-	-	-	-	-	-	-	-	-	5.04E-25
CPAH	A		48.5	619	319	300	2.55E-07	0.012269828	1.25E-07	0.002338464	0.000328	4.69E-05	0.000236	0.00042	5.98E-07	1.14E-05	0.000131626	0.000628999	0.001167	-	-	-	-	-	-	-	-	-	-	3.487999
Di-N-Octyl Phthalate	C		88.6	614	70	544	4.29E-07	0.006522865	5.00E-08	0.03804166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.851358
Diazinon	C		99	605	6	599	1.10E-05	0.000237286	5.16E-08	0.005212557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.874155
Dibenz(a,h)anthracene	C		86	616	86	530	4.55E-08	0.003486364	2.00E-08	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.048664
Dibutyl phthalate	B		67.8	615	198	417	8.58E-08	0.046312451	2.54E-07	0.044768339	-	-	-	-	-	-	-	-	-	0.000811	1.97769E-06	4.94E-06	2.27152E-05	0.0003701	0.004128	0.992714	-	-	-	0.080082
Dichlobenil	B		63.3	572	210	362	1.60E-07	0.016266518	5.16E-08	0.003139427	-	-	-	-	-	-	-	-	-	0.000365	4.28102E-07	1.34E-06	3.13974E-05	0.000369431	0.001596	0.981249	-	-	-	0.06821
Diesel Fuel	A		45	60	33	27	0.001851	0.086749336	0.000215	0.014575719	0.007909	0.001799	0.004382	0.011435	-	-	-	-	0.002465	0.00767936	0.017625798	0.013938	-	-	0.994546	-	-	-	0.989824	
Diesel Range Organics	A		30	327	229	98	0.000753	15.69713492	0.001064	19.49215245	0.682137	0.107813	0.470827	0.893447	0.01734404	0.067955	0.317683348	1.716405842	1.949602	-	-	-	-	-	-	-	-	-	-	1.33E-11
Diethyl phthalate	B		69	616	191	425	2.68E-07	0.046976087	1.96E-06	0.072690412	-	-	-	-	-	-	-	-	-	0.000366	6.87308E-06	1.04E-05								

Parameter and matrix		Case	Data summary								Kaplan - Meier test (Case A parameters)								Regression on statistics (Case B parameters)							Peto Prentice test (Land use significance)				
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df	Seasonal Wilcoxon p-value
Total Xylenes	C		98.9	88	1	87	0.000807	0.000807323	9.91E-06	0.008715911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.540291
TPHGx	C		100	21	0	21	-	-	0.0001075	0.008265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Triclopyr	C		88.6	536	61	475	1.56E-06	0.005751973	2.11E-07	0.162555422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.003677
Zinc	A		0.8	612	607	5	2.57E-05	7.926481134	6.80E-05	0.001758008	0.315688	0.036928	0.243311	0.388065	0.0026624	0.024807	0.14453076	0.744403365	0.913544	-	-	-	-	-	-	0.996546	1.18E-16	77.27259	3	1.90E-05
Zinc dissolved	A		2.5	594	579	15	6.66E-06	3.511197117	6.80E-05	0.816109947	0.112477	0.013582	0.085857	0.139096	0.00121051	0.008919	0.071291169	0.256097139	0.33101	-	-	-	-	-	-	0.99489	4.63E-15	69.8364	3	2.74E-08

Table I-2. Statistical summary of contaminant mass loads (kg) by parameter and land use.

Parameter and matrix			Land use	Case	Data summary				Kaplan - Meier test (Case A parameters)				Regression on statistics (Case B parameters)															
					% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCI	KM mean 95UCI	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS t-statistic
1-Methylnaphthalene	COM	C	96.7	150	5	145	5.43E-06	0.0025908	2.15E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.212871	
2,8,5-Triol	COM	B	78.5	270	58	212	8.30E-07	0.0030659	1.25E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62734	
2,4-D	COM	C	87.4	246	31	215	4.71E-06	0.0046642	2.11E-07	0.020829513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000609	
Acenaphthene	COM	C	87.8	270	33	237	2.58E-06	0.0028956	1.25E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.737689	
Acenaphthylene	COM	C	92.6	270	20	250	1.18E-06	0.0027432	1.25E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53237	
Ammonia	COM	A	0	24	24	0	0.152401	2.8147805	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.125122	
Anthracene	COM	C	81.5	270	50	220	4.25E-07	0.002286	1.25E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.019279	
Arsenic dissolved	COM	A	0	1	1	0	0.0001484	0.0001484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	
Benz(a)anthracene	COM	B	60.7	234	92	142	9.83E-07	0.0026717	1.25E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.068408	
Benzene	COM	C	96.4	28	1	27	0.0012133	0.0012133	2.38E-05	0.003543706	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56370	
Benzo(a)pyrene	COM	B	60.2	269	107	162	1.08E-06	0.0023748	1.25E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.057396	
Benzo(b)fluoranthene	COM	B	52.6	156	74	82	1.49E-06	0.0010631	1.25E-07	0.001025526	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.107636	
Benzo(k)fluoranthene	COM	A	35.7	42	27	15	1.18E-05	0.000946	5.49E-06	0.00019457	0.000101	2.60E-05	4.99E-05	0.000152	1.18E-05	4.16E-05	8.60E-05	0.0002189	0.0001688	-	-	-	-	-	-	-	0.184093	
Benzo(a)fluoranthene	COM	A	45.7	269	146	123	1.43E-06	0.0029589	1.25E-07	0.002338464	0.0001096	2.22E-05	6.61E-05	0.000153	-	9.14E-06	5.94E-05	0.0001696	0.0003635	-	-	-	-	-	-	-	0.191555	
Benzo(k)fluoranthene	COM	B	64.1	156	56	100	1.19E-06	0.0014175	1.25E-07	0.001025526	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.930817	
Benzofluoranthene, Total	COM	A	41.7	72	42	30	3.00E-06	0.0061349	2.19E-07	0.004676927	0.0002864	0.0001135	6.39E-05	0.0005089	4.49E-06	1.38E-05	4.65E-05	0.0004249	0.0009631	-	-	-	-	-	-	-	0.115919	
BS(2-ethylhexyl) phthalate	COM	A	23.5	266	199	61	4.25E-06	0.0738379	5.79E-06	0.020929513	0.00373	0.0005914	0.00257079	0.0048892	3.76E-05	0.0006027	0.00238	0.0091977	0.0095367	-	-	-	-	-	-	-	0.98561	
BTEX	COM	C	96.4	28	1	27	0.0029866	0.0029866	2.38E-05	0.003543706	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56370	
Butyl benzyl phthalate	COM	B	74	269	70	199	1.33E-06	0.0057129	1.44E-06	0.020929513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45485	
Cadmium	COM	A	15.9	270	227	43	2.32E-07	0.003958	5.64E-07	0.004185903	0.0002679	3.43E-05	0.00020074	0.000335	4.13E-06	3.87E-05	0.0001893	0.0010222	0.0005629	-	-	-	-	-	-	-	0.989148	
Cadmium dissolved	COM	A	39.3	267	162	105	1.44E-07	0.000957	6.15E-07	0.004185903	0.0002679	3.43E-05	0.00020074	0.000335	4.13E-06	3.87E-05	0.0001893	0.0010222	0.0005629	-	-	-	-	-	-	-	0.989148	
Calcium	COM	A	0	149	149	0	0.0124874	135.83254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10E-06	
Calcium dissolved	COM	A	0	2	2	0	0.0759733	0.0889183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.967543	
Chloride	COM	A	0	223	221	2	0.0046682	312.89907	0.028639612	0.13247307	11.38756	2.1304445	7.21196516	15.563154	0.08175	0.777013	8.6490551	27.684769	31.814321	-	-	-	-	-	-	-	NA	
Chlorpyrifos	COM	C	100	253	0	259	-	-	5.16E-08	0.002512557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.981187	
Chrysene	COM	A	35.6	270	174	96	9.79E-07	0.003558	1.25E-07	0.002338464	0.000124	2.24E-05	8.01E-05	0.0001679	2.85E-06	1.87E-05	7.44E-05	0.0002544	0.0003681	-	-	-	-	-	-	-	0.477709	
Copper	COM	A	0	268	268	0	6.17E-06	0.0571867	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.995821	
Copper dissolved	COM	A	1	263	258	5	4.43E-06	0.1767852	4.24E-05	0.087641558	0.0015927	0.0019134	0.01175246	0.019253	0.000187	0.0003163	0.0387912	0.1967759	0.1075515	-	-	-	-	-	-	-	1.80E-06	
CPAH	COM	A	33.1	269	180	89	9.79E-07	0.0212698	1.25E-07	0.002338464	0.0003632	6.60E-05	0.00023389	0.0004926	3.77E-06	3.79E-05	0.0002023	0.0008134	0.0010823	-	-	-	-	-	-	-	0.988066	
D,N-Octyl Phthalate	COM	C	85.5	269	39	230	8.99E-06	0.0038045	3.19E-07	0.020929513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.80E-06	
Diazinon	COM	C	99.2	259	2	257	1.10E-05	0.0001461	5.16E-08	0.005212557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Dibenz(a,h)anthracene	COM	B	77.8	270	60	210	6.57E-07	0.002078	1.25E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Dibutyl phthalate	COM	B	72.1	269	75	194	1.10E-06	0.0053847	7.34E-07	0.020929513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Dichlobenil	COM	B	66.9	248	82	166	1.60E-07	0.0033977	5.16E-08	0.003139427	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Diesel Fuel	COM	A	45	60	33	27	0.0018507	0.0867495	0.000215	0.014575719	0.0079086	0.0017994	0.00438172	0.0114354	-	0.0024653	0.0076794	0.0176258	0.0139385	-	-	-	-	-	-	-	0.988066	
Diesel Range Organics	COM	A	27.6	116	84	32	0.0170222	15.67135	0.005814	0.575963712	1.3269727	0.265805	0.80600446	1.847941	0.042982	0.2001998	0.6626131	4.5895303	2.862706	-	-	-	-	-	-	-	0.988066	
Diethyl phthalate	COM	B	73.3	270	72	198	2.78E-06	0.0231515	2.15E-06	0.020929513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Dimethyl phthalate	COM	C	86.7	270	36	234	1.36E-06	0.0054946	3.19E-07	0.020929513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Ethylbenzene	COM	C	100	28	0	28	-	-	2.38E-05	0.003543706	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Fluoranthene	COM	A	26	269	199	70	6.76E-07	0.0058381	1.25E-07	0.002338464	0.0002176	3.68E-05	0.00014547	0.0002898	4.24E-06	3.67E-05	0.0001566	0.000531	0.0006038	-	-	-	-	-	-	-	0.988066	
Fluorene	COM	C	84.1	270	43	227	4.71E-07	0.004572	1.25E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Gasoline Range Organics	COM	C	91.1	135	12	123	0.0009651	0.1928769	0.00177865	3.81002544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Hardness as CaCO3	COM	A	0.7	273	271	2	0.014805	439.51978	0.0496	2.565246549	41.893726	4.7355428	32.612233	51.17522	0.284954	5.0582436	46.068177	148.80711	78.244008	-	-	-	-	-	-	-	0.988066	
Heavy Fuel Oil	COM	A	3	67	65	2	0.0392471	64.143641	0.144708194	0.863945568	0.9807961	0.13317	0.7197875	1.2418045	0.263629	0.5963518	1.3063205	2.4646548	1.9004333	-	-	-	-	-	-	-	0.988066	
HPAH	COM	A	21.6	268	210	58	2.09E-06	0.0323567	1.25E-07	0.004676927	0.0009505	0.0001743	0.00060899	0.001292	1.76E-05	0.0001255	0.0006591	0.0021004	0.0028527	-	-	-	-	-	-	-	0.988066	
Indeno(1,2,3-cd)pyrene	COM	B	60.4	270	107	163	9.20E-07	0.0023748	1.25E-07	0.002338464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Lead	COM	A	0	271	271	0	8.83E-06	0.4902765	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Lead dissolved	COM	A	7.5	266	246	20	5.83E-07	0.1135638	5.35E-07	0.020929513	0.0003653	0.00068	0.00232014	0.0049858	8.88E-06	3.76E-05	0.0008794	0.0108964	0.0110911	-	-	-	-	-	-	-	0.988066	
LPAH	COM	A	29	269	191	78	5.03E-07	0.0182881	1.25E-07	0.002338464	0.0002511	7.55E-05	0.00010311	0.0003991	2.33E-06	2.10E-05	0.000129	0.0004818	0.0012385	-	-	-	-	-	-	-	0.988066	
Lube Oil	COM	A	0	21	21	0	0.007857	0.3214431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Magnesium	COM	A	0	149	149	0	0.0026016	23.54338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Magnesium dissolved	COM	A	0	2	2	0	0.0094207	0.0113859	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Malathion	COM	C	98.1	258	5	253	3.54E-06	0.0001742	5.16E-08	0.01425113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.988066	
Meqcop	COM	C	94.6	257	14	243	3.86E-06	0.0041513	2.11E-07	5.232378905	-	-	-															

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)										Seasonal Wilcoxon p-value
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LC	KM mean 95UC	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic					
Total Suspended Solids	COM	A	0	257	257	0	0.01376	1867.8328	-	-	97.724598	14.279611	69.7370749	125.71212	0.686399	13.296437	76.945319	315.12187	228.91958	-	-	-	-	-	-	-	0.984611	0.549795			
Total TPHdx	COM	A	16.3	184	154	30	0.0018507	51.308739	0.000215	0.863945568	2.1279138	0.414538	1.31543433	2.9403933	0.014076	0.239764	1.5104181	5.111824	5.6230666	-	-	-	-	-	-	-	0.976714	0.002919			
Total Xylenes	COM	C	96.4	28	1	27	0.0008073	0.0008073	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.563703			
TPHGX	COM	C	100	21	0	21	-	-	0.0001075	0.008265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
Triclogyr	COM	C	93.2	236	16	220	1.56E-06	0.0027715	-	0.0001075	0.009265257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0031			
Zinc	COM	C	0	267	267	0	0.0003913	2.1718986	-	-	0.1750125	0.0211773	0.13350585	0.2165192	0.003036	0.0257686	0.1519635	0.65661	0.3460393	-	-	-	-	-	-	-	0.981358	9.75E-08			
Zinc dissolved	COM	A	0	264	264	0	6.66E-06	0.6488149	-	-	0.0583178	0.0065875	0.04540644	0.0712291	0.001321	0.0073432	0.0615126	0.2000185	0.1070349	-	-	-	-	-	-	-	0.981441	1.30E-13			
1-Methylnaphthalene	HDR	C	100	61	0	61	-	1.42E-06	0.000665931	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
2-Methylnaphthalene	HDR	C	84.8	178	27	151	7.76E-07	0.0215358	3.76E-08	0.001409509	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.277415			
2,4-D	HDR	B	65.6	160	55	105	1.71E-06	0.3186899	4.96E-07	0.157678759	-	-	-	-	-	-	-	-	-	0.00464737	5.75449E-07	2.08E-06	4.30348E-05	0.000491404	0.034038	0.99255	1.99E-05	0.445233			
Acenaphthene	HDR	C	95.5	178	8	170	2.48E-05	0.0006891	3.76E-08	0.001409509	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29446			
Acenaphthylene	HDR	C	93.8	178	11	167	7.37E-06	0.0005848	3.76E-08	0.001610868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.445233			
Ammonia	HDR	A	0	23	23	0	0.0027456	0.1370233	-	-	0.0223201	0.0057206	0.01110794	0.0335323	0.006805	0.0153733	0.0275861	0.0377296	0.0274351	-	-	-	-	-	-	-	0.988076	0.151857			
Anthracene	HDR	C	94.9	178	9	169	4.42E-07	0.0003898	3.76E-08	0.001517571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.205613			
Benz(a)anthracene	HDR	B	70.2	141	42	99	8.37E-07	0.0012082	3.76E-08	0.00084745	-	-	-	-	-	-	-	-	-	6.3829E-05	1.01796E-06	1.97E-06	9.44934E-06	0.000183387	0.000195	0.978366	0.419593	0.419593			
Benzene	HDR	C	100	31	0	31	-	9.91E-06	0.001424675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
Benzo(a)pyrene	HDR	C	83.1	177	30	147	9.32E-08	0.0015594	1.15E-07	0.001365814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.195852			
Benzo(b)fluoranthene	HDR	C	82.4	91	16	75	3.93E-07	6.70E-05	1.65E-07	0.00084745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.358507			
Benzo(b,k)fluoranthene	HDR	B	53.8	52	24	28	0.0001364	0.004873	0.000116926	0.00211322	-	-	-	-	-	-	-	-	-	0.000584913	0.000122889	0.000215	0.000543924	0.001685586	0.000921	0.989734	0.709853	0.709853			
Benzo(g,h,i)perylene	HDR	B	69.7	178	54	124	4.69E-07	0.0027289	1.65E-07	0.001102815	-	-	-	-	-	-	-	-	-	0.00010891	5.96021E-07	1.16E-06	1.41949E-05	0.000249802	0.000345	0.96515	0.386487	0.386487			
Benzo(k)fluoranthene	HDR	C	87.9	91	11	80	2.62E-07	0.0001425	1.65E-07	0.00084745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.326942			
Benzo(a)fluoranthenes, Total	HDR	B	77.1	35	8	27	8.16E-07	0.0001066	3.76E-07	0.000296889	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.896225			
Bis(2-ethylhexyl) phthalate	HDR	A	41.6	178	104	74	2.20E-05	0.1578864	1.58E-06	0.129272146	0.0079518	0.0015959	0.00482384	0.0110798	2.31E-05	0.0002236	0.0019357	0.0239659	0.0212925	-	-	-	-	-	-	-	-	0.982146			
BTEX	HDR	C	93.5	31	2	29	0.0001088	0.0001132	9.91E-06	0.001424675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.399075			
Butyl benzyl phthalate	HDR	B	77	178	41	137	4.08E-07	0.0341113	1.88E-07	0.051950488	-	-	-	-	-	-	-	-	-	0.000766628	9.93626E-07	2.75E-06	1.3614E-05	0.000116368	0.003847	0.975628	0.077024	0.975628			
Cadmium	HDR	A	30.3	178	124	54	2.60E-07	0.051892	6.10E-07	0.001566362	0.0023466	0.0004408	0.0014826	0.0032106	3.57E-06	2.66E-05	0.0016424	0.0085253	0.0058813	-	-	-	-	-	-	-	-	0.969325			
Cadmium dissolved	HDR	B	51.7	178	86	92	1.96E-06	0.0229196	2.00E-07	0.032511084	-	-	-	-	-	-	-	-	-	0.000751878	5.81744E-07	2.46E-06	0.000101483	0.002139998	0.002317	0.950113	0.469854	0.469854			
Calcium	HDR	A	0	92	92	0	0.013736	6.8384392	-	-	0.6458062	0.1095523	0.4310877	0.8605247	0.145265	0.3012908	0.657161	1.504415	1.0507885	-	-	-	-	-	-	-	-	0.99567			
Chloride	HDR	A	5	160	152	8	0.001054	805.43393	0.003415006	0.026617792	51.369893	9.8113391	32.1400212	70.599764	0.06741	0.5812578	16.349155	199.49354	124.10471	-	-	-	-	-	-	-	-	0.975851			
Chlorpyrifos	HDR	C	100	178	0	178	-	1.28E-07	0.002925998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
Chrysene	HDR	B	66.3	178	60	118	1.62E-07	0.0032162	1.15E-07	0.001006792	-	-	-	-	-	-	-	-	-	0.000121283	6.26399E-07	1.11E-06	2.16732E-05	0.000374703	0.000377	0.969826	0.049616	0.049616			
Copper	HDR	A	1.7	175	172	3	2.76E-05	1.4203707	6.80E-06	7.93E-06	0.1441594	0.0232172	0.09865441	0.1896644	0.000491	0.003377	0.1301111	0.5317669	0.3071353	-	-	-	-	-	-	-	-	0.976521			
Copper dissolved	HDR	A	4.3	163	156	7	1.22E-05	1.2841878	6.80E-06	0.178766941	0.0456724	0.0105469	0.02500082	0.066344	0.0002449	0.0014911	0.0356625	0.1223738	0.1346542	-	-	-	-	-	-	-	-	0.984855			
CPAH	HDR	B	57.9	178	75	103	2.55E-07	0.0113054	1.65E-07	0.001821085	-	-	-	-	-	-	-	-	-	0.000422826	8.92449E-07	2.59E-06	8.95912E-05	0.000805319	0.001396	0.97261	0.133424	0.133424			
Di-N-Octyl Phthalate	HDR	C	87	177	23	154	4.29E-07	0.0065229	9.60E-08	0.035804166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.350457			
Diazinon	HDR	C	98.3	178	3	175	2.07E-05	0.0002373	1.64E-07	0.003413664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37161			
Dibenz(a,h)anthracene	HDR	C	93.8	178	11	167	2.24E-07	0.0002849	1.65E-07	0.001137888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.472124			
Dibutyl phthalate	HDR	B	62.4	178	67	111	2.52E-07	0.0463125	8.08E-07	0.044768339	-	-	-	-	-	-	-	-	-	0.002529929	3.53968E-06	7.21E-06	5.2156E-05	0.0009157068	0.007369	0.951168	0.557419	0.557419			
Dichlobenil	HDR	A	45.8	166	90	76	2.03E-06	0.012665	1.88E-07	0.000897416	0.0011308	0.0002182	0.00070309	0.0015586	1.45E-05	0.0004795	0.0033399	0.0028118	-	-	-	-	-	-	-	-	0.971005				
Diesel Range Organics	HDR	A	28.7	108	77	31	0.0094561	11.798379	0.001064	19.49215245	0																				

Parameter and matrix			Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)										Seasonal Wilcoxon p-value
					% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM SE	KM mean 95LC	KM mean 95UL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic					
Total Suspended Solids	HDR	A	0	168	168	0	0.01768	11979.892			717.07825	147.82714	427.342381	1006.8141	1.775463	12.584097	287.32392	1979.8369	1916.0587	-	-	-	-	-	-	-	-	0.983963	0.49116				
Total TPHdx	HDR	A	20.9	110	87	23	0.0131061	60.807029	0.001064	29.23822867	1.6478764	0.677685	0.31963819	2.9761147	0.028742	0.0815237	0.2247368	1.7540988	7.1076206	-	-	-	-	-	-	-	-	0.964848	8.91E-07				
Total Xylenes	HDR	C	100	31	0	31	-	-	9.91E-06	0.001424675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
Triclorpyr	HDR	C	83.3	150	25	125	4.35E-06	0.005752	4.96E-07	0.162555422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.024591				
Zinc	HDR	A	1.7	176	173	3	8.08E-05	7.9264811	6.80E-05	0.816109947	0.2804937	0.1174447	0.51860387	0.9789788	0.001472	0.0224108	0.6710181	2.610888	1.5580806	-	-	-	-	-	-	-	-	0.982934	0.67859				
Zinc dissolved	HDR	A	2.4	165	161	4	1.86E-05	3.5111971	6.80E-05	0.816109947	0.2804937	0.04506	0.19217774	0.3688096	0.001071	0.0082403	0.24836	0.9202207	0.5788058	-	-	-	-	-	-	-	-	0.977107	0.797885				
1-Methylnaphthalene	IND	C	81.2	32	6	26	0.0001488	0.0047331	2.00E-05	0.000874423	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.208708				
2-Methylnaphthalene	IND	B	62.5	64	24	40	2.12E-06	0.0098823	1.32E-06	0.000874423	-	-	-	-	-	-	-	-	-	0.000180304	2.13311E-06	2.53E-06	6.57712E-06	2.82995E-05	0.001234	0.95316	0.012347	-	0.924516				
2,4-D	IND	C	96.4	55	2	53	0.0004004	0.0018209	2.31E-05	0.004768549	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.310642				
Acenaphthene	IND	B	68.8	64	20	44	2.09E-06	2.16E-05	1.85E-06	0.000874423	-	-	-	-	-	-	-	-	-	6.23142E-06	2.55146E-06	4.7E-06	8.24962E-06	1.20764E-05	4.65E-06	0.970472	1.088136	-	0.924516				
Acenaphthylene	IND	C	84.4	64	10	54	2.81E-06	1.73E-05	7.93E-07	0.000874423	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.924516				
Ammonia	IND	A	0	24	24	0	0.0184005	1.3003075	-	-	0.3706955	0.06763	0.23814307	0.5032478	0.139031	0.2355581	0.4653328	0.8097839	0.331318	-	-	-	-	-	-	-	-	0.985819	0.069244				
Anthracene	IND	C	89.1	64	7	57	1.59E-06	1.92E-05	1.39E-06	0.000874423	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.203891				
Benz(a)anthracene	IND	B	79.7	64	13	51	4.09E-06	0.0013116	6.97E-07	0.000559115	-	-	-	-	-	-	-	-	-	2.71979E-05	3.29471E-07	8.59E-07	9.09697E-07	8.08293E-06	0.000167	0.917679	0.554773	-	0.581436				
Benzo(a)pyrene	IND	C	82.8	64	11	53	3.75E-06	0.001574	1.39E-06	0.000559115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA				
Benzo(b)fluoranthene	IND	A	50	2	1	1	6.76E-05	0.000206684	0.000206684	6.76E-05	-	-	-	-	6.76E-05	6.76E-05	6.76E-05	6.76E-05	-	-	-	-	-	-	-	-	-	-	NA				
Benzo(k,b)fluoranthene	IND	B	65.6	32	11	21	2.98E-06	7.21E-05	1.04E-06	0.000559115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.92006				
Benzo(g,h,i)perylene	IND	B	62.5	64	24	40	1.32E-06	0.001574	1.59E-06	0.000559115	-	-	-	-	-	-	-	-	-	4.64459E-05	2.54096E-06	4.15E-06	7.47245E-06	7.34109E-05	0.000204	0.974943	0.134785	-	0.92006				
Benzo(k)fluoranthene	IND	A	50	2	1	1	6.76E-05	0.000206684	0.000206684	6.76E-05	-	-	-	-	6.76E-05	6.76E-05	6.76E-05	6.76E-05	-	-	-	-	-	-	-	-	-	-	NA				
Benzoofluoranthenes, Total	IND	B	76.7	30	7	23	0.0001021	0.0031479	2.00E-05	0.000772482	-	-	-	-	6.76E-05	6.76E-05	6.76E-05	6.76E-05	-	-	-	-	-	-	-	-	-	-	0.983016				
Bis(2-ethylhexyl) phthalate	IND	A	36.5	63	40	23	0.0002094	0.0211722	0.000107735	0.009537098	0.0024019	0.0005273	0.00136836	0.0034354	0.000323	0.0007289	0.0025126	0.0070385	0.0041854	-	-	-	-	-	-	-	-	0.990471	0.497095				
Butyl benzyl phthalate	IND	C	84.4	64	10	54	5.05E-05	0.0006251	8.92E-05	0.009537098	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.121733				
Cadmium	IND	A	16.7	66	55	11	4.00E-05	0.0026233	4.09E-05	0.001040246	0.0003454	5.94E-05	0.00022903	0.0004617	0.0001005	0.0002037	0.0003733	0.0006271	0.0004822	-	-	-	-	-	-	-	-	0.990577	0.832111				
Cadmium dissolved	IND	B	54.5	66	30	36	1.36E-05	0.0018605	2.89E-05	0.001040246	-	-	-	-	-	-	-	-	-	0.0001017	4.03127E-05	5.59E-05	8.01543E-05	0.000143113	0.000231	0.966605	0.347631	-	0.990867				
Calcium	IND	A	0	32	32	0	3.1244212	295.14521	-	-	45.270003	9.7060773	26.246441	64.293565	12.96459	24.183966	68.352536	90.39997	54.905865	-	-	-	-	-	-	-	-	0.990867	0.826001				
Chloride	IND	A	0	50	50	0	0.6807177	203.86397	-	-	24.393323	5.2691312	14.066016	34.720631	2.986522	11.002759	25.491916	63.489126	37.258384	-	-	-	-	-	-	-	-	0.992673	0.073625				
Chlorpyrifos	IND	C	98.4	64	1	63	1.29E-05	1.29E-05	1.59E-06	0.001483121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.037373				
Chrysene	IND	B	59.4	64	26	38	2.24E-06	0.0019237	7.94E-07	0.000559115	-	-	-	-	-	-	-	-	-	5.76343E-05	1.93443E-06	5.01E-06	1.20732E-05	9.15986E-05	0.000249	0.990479	0.038863	-	0.994954				
Copper	IND	A	0	66	66	0	0.0020036	0.2811269	-	-	0.0273849	0.0048698	0.01784032	0.0369294	0.009259	0.0149898	0.0307724	0.0634217	0.0395621	-	-	-	-	-	-	-	-	0.994954	0.715301				
Copper dissolved	IND	A	1.5	65	64	1	0.0004197	0.0257193	0.003888966	0.003888966	0.0061548	0.0007287	0.00472657	0.0075829	0.002234	0.0039824	0.0087442	0.0158359	0.0058748	-	-	-	-	-	-	-	-	0.99455	0.006347				
CPAH	IND	B	57.1	63	27	36	4.09E-06	0.0060335	2.44E-06	0.000559115	-	-	-	-	-	-	-	-	-	0.000158935	3.54431E-06	7.99E-06	3.73555E-05	0.000196867	0.000785	0.98595	0.077999	-	0.263736				
Di-N-Octyl Phthalate	IND	C	90.6	64	6	58	0.0004605	0.0035595	1.90E-05	0.009537098	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.037373				
Diazinon	IND	C	98.4	64	1	63	1.52E-05	1.52E-05	1.32E-06	0.001483121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.630954				
Dibenz(a,h)anthracene	IND	C	98.4	64	1	63	7.62E-06	7.62E-06	9.05E-07	0.000874423	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.630954				
Dibutyl phthalate	IND	B	64.1	64	23	41	0.000101	0.0008254	9.02E-05	0.009537098	-	-	-	-	-	-	-	-	-	0.00023652	0.000159933	0.000192	0.000260643	0.000416348	0.000156	0.991492	0.085871	-	0.991239				
Dichlorobenzil	IND	A	41	61	36	25	4.81E-06	0.0004945	4.52E-06	0.000572226	5.43E-05	1.22E-05	3.05E-05	7.81E-05	8.77E-06	1.77E-05	5.96E-05	0.0001677	9.49E-05	-	-	-	-	-	-	-	-	0.991239	0.474759				
Diesel Range Organics	IND	B	27.9	43	31	12	0.0219832	3.5583429	0.018009485	0.329041216	0.8946031	0.1407719	0.61869523	1.1705109	0.021983	0.6999913	1.5308425	2.081752	0.923103	-	-	-	-	-	-	-	-	0.987059	0.29848				
Diethyl phthalate	IND	B	79.7	64	13	51	4.98E-05	0.0017819	4.07E-																								

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)										Seasonal Wilcoxon p-value
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LC	KM mean 95UC	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic					
Acenaphthene	LDR	C	99	104	1	103	0.0003186	0.0003186	2.00E-08	0.000929915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.644815		
Acenaphthylene	LDR	C	100	104	0	104	-	-	2.00E-08	0.000929915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Anthracene	LDR	C	95.2	104	5	99	2.20E-08	0.0001002	2.07E-08	0.000929915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.102387		
Arsenic dissolved	LDR	A	0	15	15	0	8.80E-07	0.0002929	-	-	3.01E-05	1.91E-05	-7.28E-06	6.74E-05	2.52E-06	7.67E-06	2.76E-05	3.92E-05	7.38E-05	-	-	-	-	-	-	-	-	-	0.970991		
Benzo(a)anthracene	LDR	B	54.7	64	29	35	5.80E-08	3.43E-05	1.39E-07	0.000929915	-	-	-	-	-	-	-	-	-	4.66116E-06	7.30855E-07	9.42E-07	3.37869E-06	1.49322E-05	8.28E-06	0.987084	0.896169	-	-		
Benzene	LDR	C	100	29	0	29	-	-	4.11E-05	0.008715911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Benzo(a)pyrene	LDR	B	73.8	103	27	76	1.15E-07	0.0007008	1.39E-07	0.000929915	-	-	-	-	-	-	-	-	-	1.34087E-05	1.09231E-06	1.4E-06	1.44242E-06	0.000005481	7.75E-05	0.983197	0.879005	-	-		
Benzo(b)fluoranthene	LDR	C	83.9	93	15	78	1.27E-07	0.0008716	1.39E-07	0.000929915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.895585		
Benzo(k,h,i)perylene	LDR	B	76.9	104	24	80	1.22E-07	0.0017432	2.00E-08	0.000929915	-	-	-	-	-	-	-	-	-	2.4637E-05	5.94833E-07	7.63E-07	8.01563E-07	3.65672E-06	0.000178	0.972539	0.86412	-	-		
Benzo(k)fluoranthene	LDR	C	82.8	93	16	77	7.32E-08	0.0034864	1.39E-07	0.000929915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.842109		
Benzo(a)fluoranthenes, Total	LDR	A	0	11	11	0	2.98E-07	5.25E-05	-	-	1.12E-05	5.00E-06	1.44E-06	2.10E-05	1.71E-06	3.40E-06	1.30E-05	3.25E-05	1.66E-05	-	-	-	-	-	-	-	-	-	0.988266		
Bis(2-ethylhexyl) phthalate	LDR	B	69.2	104	32	72	1.27E-05	0.0298586	8.84E-07	0.008715911	-	-	-	-	-	-	-	-	-	0.00131149	2.81621E-06	9.6E-06	0.000102456	0.001994991	0.004445	0.978503	0.09181	-	-		
BTEX	LDR	C	100	29	0	29	-	-	4.11E-05	0.008715911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Butyl benzyl phthalate	LDR	C	80.8	104	20	84	3.16E-07	0.0005413	1.03E-07	0.008715911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.701409		
Cadmium	LDR	A	46.7	107	57	50	1.59E-07	0.0016944	1.10E-07	0.001346974	8.46E-05	2.22E-05	4.12E-05	0.000128	2.00E-07	5.64E-06	4.21E-05	0.0002467	0.0002293	-	-	-	-	-	-	-	-	-	0.978436		
Cadmium dissolved	LDR	B	54.2	107	49	58	6.74E-07	0.0010168	1.00E-07	0.000435796	-	-	-	-	-	-	-	-	-	3.6507E-05	5.51901E-07	1.7E-06	1.22937E-05	8.0395E-05	0.000118	0.989677	0.364027	-	-		
Calcium	LDR	A	0	68	68	0	0.00594	87.15911	-	-	7.4728517	1.6012982	4.33436488	10.611338	0.138601	1.472768	9.3133955	19.255424	13.204643	-	-	-	-	-	-	-	-	-	0.975668		
Chloride	LDR	A	1	104	103	1	0.001624	70.320311	0.2690096	0.2690096	7.3281783	1.2186039	4.93975855	9.716598	0.426778	2.5095939	8.0463439	17.839584	12.42737	-	-	-	-	-	-	-	-	-	0.96944		
Chlorpyrifos	LDR	C	100	104	0	104	-	-	6.80E-08	0.000933384	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Chrysene	LDR	B	74	104	27	77	1.09E-07	0.0017432	1.39E-07	0.000929915	-	-	-	-	-	-	-	-	-	2.5874E-05	1.08869E-06	1.56E-06	1.55783E-06	5.44435E-06	0.000179	0.977223	0.80832	-	-		
Copper	LDR	A	0	104	104	0	1.04E-05	0.0348636	-	-	0.0029562	0.0004873	0.00200119	0.0039113	0.000285	0.001524	0.0033422	0.008284	0.0049693	-	-	-	-	-	-	-	-	-	0.971953		
Copper dissolved	LDR	B	2.1	96	94	2	7.80E-06	0.0140326	0.00011264	0.000890276	0.0016818	0.0002336	0.00122407	0.0021396	9.78E-05	0.0008011	0.0023791	0.0048964	0.0022884	-	-	-	-	-	-	-	-	-	0.973933		
CPAH	LDR	B	66.1	109	37	72	4.66E-07	0.0113307	1.39E-07	0.000929915	-	-	-	-	-	-	-	-	-	0.000165191	2.8474E-06	4.1E-06	5.50004E-06	3.19018E-05	0.001132	0.957429	0.902034	-	-		
Di-N-Octyl Phthalate	LDR	C	98.1	104	2	102	9.73E-07	0.0006014	5.00E-08	0.008715911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.539095		
Diazinon	LDR	C	100	104	0	104	-	-	8.60E-08	0.000933384	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Dibenz(a,h)anthracene	LDR	C	86.5	104	14	90	4.55E-08	0.0034864	2.00E-08	0.000929915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.449918		
Dibutyl phthalate	LDR	B	68.3	104	33	71	5.85E-08	0.0060565	2.54E-07	0.008715911	-	-	-	-	-	-	-	-	-	6.83772E-05	1.46795E-06	2.57E-06	5.21521E-06	3.12349E-05	0.000596	0.966188	0.953106	-	-		
Dichlobenil	LDR	C	97.9	97	2	95	0.0001052	0.0001295	1.41E-07	0.001346974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.789171		
Diesel Range Organics	LDR	A	38.3	60	37	23	0.0007531	1.7164058	0.001932	0.435795552	0.1002048	0.030863	0.03971439	0.1606951	0.004109	0.047756	0.0842368	0.2741643	0.2390637	-	-	-	-	-	-	-	-	-	0.951926		
Diethyl phthalate	LDR	B	55.8	104	46	58	2.68E-07	0.0001707	2.06E-05	0.008715911	-	-	-	-	-	-	-	-	-	2.12021E-05	0.000007312	1.05E-05	1.90181E-05	5.41814E-05	3.14E-05	0.979229	0.762802	-	-		
Dimethyl phthalate	LDR	B	70.2	104	31	73	4.32E-07	0.0001839	5.28E-08	0.008715911	-	-	-	-	-	-	-	-	-	1.32104E-05	5.96748E-07	2.38E-06	1.54444E-05	3.98705E-05	2.81E-05	0.955285	0.374049	-	-		
Ethylbenzene	LDR	C	100	29	0	29	-	-	4.11E-05	0.008715911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Fluoranthene	LDR	B	74	104	27	77	2.68E-07	0.0002045	2.00E-08	0.000929915	-	-	-	-	-	-	-	-	-	9.15495E-06	1.69534E-06	2.21E-06	2.45963E-06	1.40047E-05	2.62E-05	0.984321	0.495965	-	-		
Fluorene	LDR	C	99	104	1	103	2.60E-07	2.66E-07	2.00E-08	0.000929915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Gasoline Range Organics	LDR	C	100	60	0	60	-	0.02668	0.000702885	0.871591104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Hardness as CaCO3	LDR	A	0	107	107	0	0.02068	278.89915	-	-	32.185568	4.5572606	23.2535016	41.117635	2.040942	14.734704	42.815002	108.31176	47.14067	-	-	-	-	-	-	-	-	-	0.967744		
Heavy Fuel Oil	LDR	A	31.4	51	35	16	0.001427	1.0922583	0.003579017	2.009770716	0.1892108	0.0348721	0.12086272	0.257559	0.030033	0.1217906	0.203881	0.5415588	0.2490368	-	-	-	-	-	-	-	-	-	0.957546		
HPAH	LDR	B	98.7	109	45	64	7.63E-07	0.0130739	1.39E-07	0.000929915	-	-	-	-	-	-	-	-	-	0.000203894	4.11587E-06	7.34E-06	1.22534E-05	9.97232E-05	0.001313	0.960569	0.735512	-	-		
Indeno(1,2,3-cd)pyrene	LDR	B	76	104	25	79	9.78E-08	0.0017432	2.00E-08	0.000929915	-	-	-	-	-	-	-	-	-	2.92051E-05	6.61626E-07	8.09E-07	8.46398E-07	3.82008E-06	0.000182	0.966699	0.995811	-	-		
Lead	LDR	A	0	106	106	0	3.02E-06	0.0107508	-	-	0.0010219	0.0001572	0.00063545	0.0014084	5.66E-05	0.0002337	0.0010571	0.0028684	0.0020302	-	-	-	-	-	-	-	-	-	0.995036		
Lead dissolved	LDR	A	28.7	101	72	29	2.60E-07	0.0025012	6.70E-07	0.000159282	0.0001331	3																			

Table I-3. Statistical summary of contaminant mass loads (kg) by parameter and season.

Parameter and matrix	Season	case	Data summary								Kaplan - Meier test (Case A parameters)								Regression on statistics (Case B parameters)								Peto Prentice test (Land use significance)		
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p-value	Peto Prentice chsq	Peto Prentice df
1-Methylnaphthalene	Dry	C	100	60	0	60	-	-	2.65E-07	0.0023385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	Dry	C	91.2	125	11	114	4.39E-06	0.0013658	2.00E-08	0.0023385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-D	Dry	B	69.3	114	35	79	5.69E-06	0.0186899	2.12E-07	0.030102	-	-	-	-	-	-	-	-	-	0.005693608	3.092E-07	8.65E-07	3.32E-05	0.0003706	0.040136	0.961414	-	-	-
Acenaphthene	Dry	C	94.4	125	7	118	3.48E-06	0.0001784	2.00E-08	0.0023385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	Dry	C	95.2	125	6	119	8.11E-06	0.0001784	2.00E-08	0.0023385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ammonia	Dry	A	0	18	18	0	0.0027456	2.4725663	-	-	0.4354684	0.1443683	0.15251178	0.718425	0.0275861	0.2471581	0.5466941	1.263808	0.6125026	-	-	-	-	-	-	0.976832	0.001812	12.62625	2
Anthracene	Dry	C	86.4	125	17	108	2.20E-08	0.0001784	2.82E-08	0.0023385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic dissolved	Dry	A	0	2	2	0	9.20E-07	7.67E-06	-	-	4.29E-06	3.37E-06	-2.32E-06	1.09E-05	9.20E-07	-	-	-	4.77E-06	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	Dry	B	67	94	31	63	5.80E-08	0.0004554	1.15E-07	0.0023385	-	-	-	-	-	-	-	-	-	2.81168E-05	3.799E-07	8.45E-07	4.444E-06	6.713E-05	8.78E-05	0.983079	-	-	-
Benzene	Dry	C	100	24	0	24	-	-	9.91E-06	0.002322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	Dry	B	73.6	125	33	92	1.15E-07	0.0005368	1.15E-07	0.0023385	-	-	-	-	-	-	-	-	-	2.80803E-05	3.252E-07	5.64E-07	2.944E-06	7.51E-05	9.16E-05	0.975984	-	-	-
Benzo(b)fluoranthene	Dry	B	66.7	72	24	48	1.27E-07	0.0004825	3.29E-07	0.0003253	-	-	-	-	-	-	-	-	-	3.80595E-05	6.245E-07	9.06E-07	1.427E-05	0.0001483	9.99E-05	0.962551	-	-	-
Benzo(k)fluoranthene	Dry	B	75	24	6	18	3.38E-05	0.0017016	3.77E-06	0.0018211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.963894	-	-	-
Benzo(g,h,i)perylene	Dry	B	63.2	125	46	79	1.25E-07	0.0009529	2.00E-08	0.0023385	-	-	-	-	-	-	-	-	-	4.18295E-05	7.578E-07	1.59E-06	1.312E-05	0.0001003	0.000127	0.97877	-	-	-
Benzo(k)fluoranthene	Dry	B	72.2	72	20	52	7.32E-08	0.0004825	3.29E-07	0.0003253	-	-	-	-	-	-	-	-	-	2.9591E-05	3.845E-07	4.82E-07	2.749E-06	0.0001073	8.69E-05	0.957578	-	-	-
Benzoofluoranthenes, Total	Dry	B	65.5	29	10	19	2.98E-07	0.0002747	1.15E-06	0.0046769	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.973661	-	-	-
Bis(2-ethylhexyl) phthalate	Dry	A	43.5	124	70	54	4.25E-06	0.0710223	8.84E-07	0.025183	0.0028181	0.0008814	0.00109047	0.0045457	1.22E-05	6.77E-05	0.0007583	0.0042948	0.0098153	-	-	-	-	-	-	0.990966	0.007307	12.02238	3
BTEX	Dry	C	100	24	0	24	-	-	9.91E-06	0.002322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate	Dry	C	84.8	125	19	106	3.16E-07	0.0057129	8.11E-07	0.0511421	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	Dry	A	19.5	123	99	24	1.59E-07	0.0188179	6.10E-07	0.0005097	0.0007319	0.0002308	0.00027968	0.0011842	4.44E-06	2.66E-05	0.0001853	0.0013196	0.0025592	-	-	-	-	-	-	0.99804	0.000164	20.06593	3
Cadmium dissolved	Dry	A	41.3	121	71	50	1.65E-07	0.0063738	1.00E-07	0.0059185	0.0001638	6.15E-05	4.32E-05	0.0002845	9.10E-07	3.87E-06	2.99E-05	0.0002551	0.0006769	-	-	-	-	-	-	0.991119	0.010124	11.31824	3
Calcium	Dry	A	0	73	73	0	0.00598	84.985513	-	-	7.5251181	1.9050813	3.79122733	11.259009	0.1306665	0.5344853	4.0001444	27.805285	16.277022	-	-	-	-	-	-	0.987991	2.49E-06	28.78213	3
Calcium dissolved	Dry	A	0	2	2	0	0.0759373	0.0889183	-	-	0.0824458	0.0064725	0.0697599	0.0951316	0.0759733	-	-	-	0.0091535	-	-	-	-	-	-	-	-	-	-
Chloride	Dry	A	4.7	107	102	5	0.001624	286.82088	0.0079287	0.2690096	12.911082	4.3115134	4.460671	21.361493	0.0770217	0.556838	3.5820752	16.091305	44.598642	-	-	-	-	-	-	0.996145	0.073675	6.944885	3
Chlorpyrifos	Dry	C	99.2	122	1	121	1.29E-05	1.29E-05	6.80E-08	0.0022764	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	Dry	B	64.8	125	44	81	1.09E-07	0.0011911	1.15E-07	0.0023385	-	-	-	-	-	-	-	-	-	4.9213E-05	6.139E-07	1.47E-06	1.408E-05	0.0001181	0.000157	0.975639	-	-	-
Copper	Dry	A	2.5	122	119	3	1.20E-05	1.1730822	6.80E-06	7.93E-06	0.0596719	0.0158321	0.02864151	0.0907023	0.000647	0.0029766	0.0186889	0.1533789	0.1748716	-	-	-	-	-	-	0.993784	0.012332	10.89061	3
Copper dissolved	Dry	A	2.7	111	108	3	7.80E-06	0.4158144	6.80E-06	7.93E-06	0.0227988	0.00582	0.01139176	0.0342058	0.0004086	0.0012202	0.009919	0.0605411	0.0613177	-	-	-	-	-	-	0.991561	0.015028	10.46101	3
CPAH	Dry	B	59.2	125	51	74	4.66E-07	0.004356	3.29E-07	0.0023385	-	-	-	-	-	-	-	-	-	0.000206202	8.328E-07	2.77E-06	4.696E-05	0.0006183	0.000632	0.97383	-	-	-
Di-N-Octyl Phthalate	Dry	C	91.2	125	11	114	4.71E-06	0.0035595	5.00E-08	0.0170156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diazinon	Dry	C	99.2	122	1	121	1.52E-05	1.52E-05	8.60E-08	0.0015176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	Dry	B	79.2	125	26	99	4.73E-07	0.0002516	2.00E-08	0.0023385	-	-	-	-	-	-	-	-	-	1.34919E-05	2.846E-07	3.91E-07	5.988E-07	2.975E-05	4.22E-05	0.95983	-	-	-
Dibutyl phthalate	Dry	B	71.2	125	36	89	9.40E-08	0.0089947	2.54E-07	0.0447683	-	-	-	-	-	-	-	-	-	0.000255765	1.45E-06	3.41E-06	1.557E-05	0.0002143	0.001204	0.988141	-	-	-
Dichlobenil	Dry	B	58.5	118	49	69	1.81E-07	0.0124343	8.20E-08	0.0016667	-	-	-	-	-	-	-	-	-	0.000436759	3.907E-07	1.1E-06	2.641E-05	0.0003273	0.001921	0.988659	-	-	-
Diesel Fuel	Dry	A	43.8	16	9	7	0.0029661	0.0867495	0.000329	0.008265	0.0144513	0.0060129	0.00266629	0.0262363	-	0.0037346	0.0086346	0.0552748	0.0240515	-	-	-	-	-	-	0.982521	-	-	-
Diesel Range Organics	Dry	A	11.9	59	52	7	0.0148663	5.2983564	0.002318	0.0929119	0.5456251	0.1487845	0.2540128	0.8372375	0.0294574	0.0854035	0.4230442	1.5690622	1.1428357	-	-	-	-	-	-	0.992628	0.001318	15.68108	3
Diethyl phthalate	Dry	B	69.6	125	38	87	6.28E-07	0.0046155	2.65E-06	0.0575159	-	-	-	-	-	-	-	-	-	0.00016926	4.442E-06	8E-06	1.463E-05	0.0001976	0.000678	0.986378	-	-	-
Dimethyl phthalate	Dry	C	85.6	125	18	107	6.20E-07	0.0054946	7.20E-08	0.0611581	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	Dry	C	100	24	0	24	-	-	9.91E-06	0.002322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	Dry	B	51.2	125	61	64	4.47E-07	0.0018177	2.00E-08	0.0023385	-	-	-	-	-	-</													

Parameter and matrix	Season	case	Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)							Peto Prentice test (Land use significance)		
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p value	Peto Prentice chsq	Peto Prentice df	
Total Suspended Solids	Dry	A	0	116	116	0	0.01436	7815.4897	-	-	267.44042	98.194856	74.9820341	459.8988	0.7034074	8.3589749	40.072236	331.39109	1057.591	-	-	-	-	-	-	0.994403	0.079644	6.768779	3	
Total TPHox	Dry	A	16	75	63	12	0.0029661	16.063356	0.000329	0.0048253	0.9716734	0.2832669	0.41648049	1.5268663	0.0294574	0.1518149	0.6999913	1.7329882	2.4531633	-	-	-	-	-	-	0.989591	0.110085	6.031556	3	
Total Xylenes	Dry	C	100	7	0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TPH4Gx	Dry	C	100	7	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tricloprr	Dry	C	82.6	109	19	90	4.68E-06	0.0045468	0.0001645	0.008265	0.0001645	0.008265	0.0001645	0.008265	0.0001645	0.008265	0.0001645	0.008265	0.0001645	-	-	-	-	-	-	-	-	-	-	
Zinc	Dry	A	2.5	119	116	3	2.74E-05	5.9488776	6.80E-05	7.93E-05	0.2918075	0.0795922	0.13580973	0.4478053	0.0024479	0.0224108	0.1212582	0.6710181	0.8682482	-	-	-	-	-	-	0.996672	0.02364	9.471154	3	
Zinc dissolved	Dry	A	2.6	117	114	3	6.66E-06	1.8514364	6.80E-05	7.93E-05	0.0961874	0.0245487	0.0480728	0.1443019	0.0012089	0.0079522	0.0646034	0.243737	0.2655348	-	-	-	-	-	-	0.990144	0.014347	10.56188	3	
1-Methylnaphthalene	Wet	C	95	222	11	211	5.43E-06	0.0047331	2.15E-07	0.002093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methylnaphthalene	Wet	B	80	491	98	393	7.76E-07	0.0215358	2.07E-08	0.0023038	-	-	-	-	-	-	-	-	-	0.00015466	1.035E-07	2.23E-07	3.568E-07	4.204E-05	0.001444	0.991537	-	-	-	
2,4-D	Wet	C	85.8	451	64	387	1.71E-06	0.0296493	2.11E-07	0.1576788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthene	Wet	C	88.8	491	55	436	2.09E-06	0.0028956	2.07E-08	0.0023038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthylene	Wet	C	92.9	491	35	456	1.18E-06	0.0027432	2.07E-08	0.0023038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ammonia	Wet	A	0	53	53	0	0.0037786	2.8147805	-	-	0.3228918	0.062308	0.20077026	0.4450133	0.0263257	0.16653	0.4279008	0.7243834	0.4536094	-	-	-	-	-	-	0.967049	1.67E-08	35.81654	2	
Anthracene	Wet	C	89	491	54	437	3.15E-07	0.002286	2.07E-08	0.0023038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arsenic dissolved	Wet	A	0	14	14	0	8.80E-07	0.0002929	-	-	4.22E-05	2.18E-05	-6.12E-07	8.50E-05	3.65E-06	7.68E-06	3.73E-05	0.0001484	8.17E-05	-	-	-	-	-	-	0.976602	-	-	-	
Benz(a)anthracene	Wet	B	64.5	409	145	264	9.75E-08	0.0026717	3.76E-08	0.002093	-	-	-	-	-	-	-	-	-	4.44084E-05	5.992E-07	1.82E-06	8.216E-06	5.995E-05	0.000196	0.985289	-	-	-	
Benzene	Wet	C	98.4	64	1	63	0.0012133	0.0012133	1.42E-05	0.0087159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benz(a)pyrene	Wet	B	70.9	488	142	346	9.32E-08	0.0023748	1.25E-07	0.002093	-	-	-	-	-	-	-	-	-	5.07344E-05	5.885E-07	1.24E-06	4.168E-06	6.191E-05	0.000221	0.994185	-	-	-	
Benz(b)fluoranthene	Wet	B	69.6	270	82	188	2.35E-07	0.0010631	1.25E-07	0.0010255	-	-	-	-	-	-	-	-	-	3.61338E-05	6.949E-07	1.51E-06	5.432E-06	7.212E-05	0.000124	0.95888	-	-	-	
Benz(b,k)fluoranthene	Wet	A	45.1	102	56	46	2.98E-06	0.0049173	1.04E-06	0.0011132	0.0002821	7.03E-05	0.00014425	0.0004199	2.98E-06	3.52E-05	0.0002031	0.0006893	0.0007102	-	-	-	-	-	-	-	-	-		
Benz(b,k)fluoranthene	Wet	B	58.9	490	202	288	1.22E-07	0.0029685	1.25E-07	0.0011028	-	-	-	-	-	-	-	-	-	9.85471E-05	1.23E-06	3.02E-06	2.001E-05	0.0001554	0.000352	0.993559	2.51E-11	48.81501	2	
Benz(k)fluoranthene	Wet	B	76.3	270	64	206	1.83E-07	0.004864	1.25E-07	0.0010255	-	-	-	-	-	-	-	-	-	4.11548E-05	2.832E-07	4.92E-07	7.812E-07	5.543E-05	0.000241	0.9844	-	-	-	
Benzofluoranthenes, Total	Wet	B	51.3	119	58	61	8.16E-07	0.0061349	2.19E-07	0.0021069	-	-	-	-	-	-	-	-	-	0.000211065	3.334E-06	7.02E-06	2.485E-05	0.0002908	0.000799	0.992837	-	-	-	
Bis(2-ethylhexyl) phthalate	Wet	A	36.6	481	305	176	1.07E-05	0.1578864	1.10E-06	0.1292721	0.0048218	0.0006494	0.00354906	0.0060945	2.59E-05	0.0003428	0.0023238	0.01041	0.0142415	-	-	-	-	-	-	0.988563	9.56E-07	30.75703	3	
BTEX	Wet	C	95.3	64	3	61	0.0001088	0.002866	1.42E-05	0.0087159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Butyl benzyl phthalate	Wet	B	75.1	490	122	368	4.08E-07	0.034113	1.03E-07	0.0519505	-	-	-	-	-	-	-	-	-	0.000342221	2.351E-06	4.92E-06	8.664E-06	0.0001528	0.002328	0.994941	-	-	-	
Cadmium	Wet	A	26.9	498	364	134	2.32E-07	0.051892	1.10E-07	0.0041859	0.0008654	0.0001556	0.00056054	0.0011703	3.48E-06	3.77E-05	0.000247	0.0016648	0.0034714	-	-	-	-	-	-	0.996962	8.77E-10	45.10918	3	
Cadmium dissolved	Wet	A	48.5	497	256	241	1.44E-07	0.0229196	1.10E-07	0.0325111	0.000279	6.28E-05	0.00015591	0.000402	6.79E-07	4.52E-06	4.81E-05	0.0003672	0.0013997	-	-	-	-	-	-	0.995336	0.000148	20.281	3	
Calcium	Wet	A	0	268	268	0	0.00594	295.14521	-	-	12.535974	1.8021319	9.00386029	16.068088	0.1214278	0.8264493	6.9772595	45.654234	29.502171	-	-	-	-	-	-	0.98198	1.38E-26	123.468	3	
Chloride	Wet	A	1.4	430	424	6	0.001594	805.43393	0.003415	0.0286396	26.416172	3.861329	33.934854	0.1614737	1.4852728	14.072541	60.196576	79.547746	-	-	-	-	-	-	-	0.993845	2.48E-09	47.98168	3	
Chlorpyrifos	Wet	C	100	483	0	483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	Wet	B	50.5	491	243	248	1.62E-07	0.003558	1.25E-07	0.0012306	-	-	-	-	-	-	-	-	-	0.000110939	2.149E-06	5.82E-06	3.914E-05	0.000201	0.000367	0.994356	-	-	-	
Copper	Wet	A	0	491	491	0	6.17E-06	1.4203707	-	-	0.0682428	0.0085399	0.05150489	0.0849806	0.0006586	0.0038676	0.0212399	0.1978377	0.1892312	-	-	-	-	-	-	0.993329	4.16E-13	60.70284	3	
Copper dissolved	Wet	A	2.5	476	464	12	4.43E-06	1.2841878	4.24E-05	0.1787669	0.0200361	0.0036013	0.01297775	0.0270945	0.0002336	0.0013151	0.0062621	0.047029	0.0785708	-	-	-	-	-	-	0.994743	9.34E-07	30.80679	3	
CPAH	Wet	A	45.7	494	268	226	2.55E-07	0.0122698	1.25E-07	0.0012306	0.0003576	5.70E-05	0.00024594	0.0004692	1.62E-06	1.54E-05	0.0001562	0.0008891	0.001266	-	-	-	-	-	-	0.993591	8.22E-06	26.30717	3	
Di-N-Octyl Phthalate	Wet	C	87.9	489	59	430	4.29E-07	0.0065229	5.28E-08	0.0358042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diazinon	Wet	C	99	483	5	478	1.10E-05	0.0002373	5.16E-08	0.0052126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenz(a,h)anthracene	Wet	C	87.8	491	60	431	4.55E-08	0.0034864	6.30E-08	0.0023038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibutyl phthalate	Wet	B	66.9	490	162	328	8.58E-08	0.0463125	2.51E-07	0.0040689	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dichlobenil	Wet	B	64.5	454	161	293	1.60E-07	0.0126655	5.16E-08	0.0031394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diesel Fuel	Wet	A	45.5	44	24	20	0.0018507	0.0323328	0.000215	0.0145757	0.0057032	0.0010629	0.00362005	0.0077863	0.0023522	0.0064357	0.0167512	0.0070501	-	-	-	-	-	-	-	-	-	-	-	
Diesel Range Organics	Wet	A	34	268	177	91	0.0007531	15.697135	0.001064	19.492152	0.7118415	0.1275145	0.4619177	0.9617653	0.0106754	0.0615324	0.3121927	1.8153334	2.087502	-	-	-	-	-	-	-	-	-	-	
Diethyl phthalate	Wet	B	68.8	491	153	338	2.68E-07	0.0469761	1.96E-06	0.0726904	-	-	-	-	-	-	-	-	-	0.000417672	8.151E-06	1.13E-05	1.357E-05	6.212E-05	0.002789	0.958692	-	-	-	
Dimethyl phthalate	Wet	C	84.7	491	75	416	4.32E-07	0.0030198	5.28E-08	0.0767176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ethylbenzene	Wet	C	100	64	0	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluoranthene	Wet	A	37.1	490	308	182	2.37E-07	0.0058381	1.25E-07	0.0010535	0.000212	2.65E-05	0.00016015	0.0002639	2.60E-06	2.03E-05	0.0001237	0.0005422	0.0005856	-	-	-	-	-	-	0.993636	3.04E-08	37.84735	3	
Fluorene	Wet	C	85.7																											

Parameter and matrix			Season			case			Data summary								Kaplan - Meier test (Case A parameters)								Regression on statistics (Case B parameters)								Peto Prentice test (Land use significance)		
									% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM 95LCL	KM 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p-value	Peto Prentice chsq	Peto Prentice df
Total PCB	Wet	A	47.6	21	11	10	2.20E-06	0.000834	2.48E-07	3.85E-05	8.57E-05	4.46E-05	-1.85E-06	0.0001732	-	4.05E-06	5.35E-05	0.0001659	0.0002046	-	-	-	-	-	-	-	0.988582	8.71E-07	27.90672	2					
Total Phosphorus	Wet	A	3.8	452	435	17	4.30E-05	19.712814	4.96E-05	1.9332571	0.6200898	0.0966656	0.43062864	0.809551	0.0048327	0.0444856	0.1857455	1.1730631	2.0551396	-	-	-	-	-	-	-	0.996574	5.08E-10	46.22656	3					
Total Phthalate	Wet	A	21.1	494	390	104	3.54E-07	0.2789327	2.15E-06	0.105661	0.0063407	0.0009262	0.00452536	0.008156	3.76E-05	0.0004439	0.0028504	0.0139138	0.0205858	-	-	-	-	-	-	-	0.994139	8.72E-06	26.18593	3					
Total Suspended Solids	Wet	A	0.2	470	469	1	0.01376	11979.892	0.182	0.182	280.65466	51.861579	179.007834	382.30149	1.8830672	15.49763	82.815387	463.03008	1124.3323	-	-	-	-	-	-	-	0.997143	2.26E-07	33.73233	3					
Total TPHDx	Wet	A	21.5	326	256	70	0.0018507	60.807029	0.000215	29.238229	1.8769892	0.3258116	1.23841026	2.5155681	0.0204139	0.1432621	1.112031	4.6290945	5.882681	-	-	-	-	-	-	-	0.991173	8.56E-08	35.72575	3					
Total Xylenes	Wet	C	98.4	64	1	63	0.0008073	0.0008073	1.42E-05	0.0087159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TPHGx	Wet	C	100	14	0	14	-	-	0.0001075	0.0019105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Triclopyr	Wet	C	90.2	427	42	385	1.56E-06	0.005752	2.11E-07	0.1625554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Zinc	Wet	A	0.4	493	491	2	2.57E-05	7.9264811	0.0003969	0.001758	0.3214519	0.0416563	0.23980706	0.4030968	0.0028109	0.0258947	0.152796	0.7609954	0.9249204	-	-	-	-	-	-	-	0.99589	7.65E-15	68.81715	3					
Zinc dissolved	Wet	A	2.5	477	465	12	1.74E-05	3.5111971	0.0001408	0.8161099	0.1164725	0.0158107	0.0854841	0.147461	0.0012105	0.0091608	0.0717492	0.266522	0.3453113	-	-	-	-	-	-	-	0.994293	5.31E-13	60.20797	3					

Table 1-4. Statistical summary of contaminant load per area (kg ha⁻¹).

Parameter and matrix	Case	Data summary								Kaplan - Meier test (Case A parameters)								Regression on statistics (Case B parameters)								Peto Prentice test (Land use significance)			
		% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df	Seasonal Wilcoxon p-value
1-Methylnaphthalene	C	96.1	282	11	271	9.85E-08	1.40E-05	1.17E-08	8.37E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.063418
2-Methylnaphthalene	C	82.3	616	109	507	9.83E-09	2.92E-05	1.88E-10	3.45E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001552
2,4-D	C	82.5	565	99	466	2.58E-08	7.08E-05	9.44E-09	5.57E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001348
Acenaphthene	C	89.9	616	62	554	1.36E-08	7.71E-06	1.88E-10	3.45E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.062319
Acenaphthylene	C	93.3	616	41	575	1.25E-08	7.30E-06	1.88E-10	3.45E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.306337
Ammonia	A	0	71	71	0	1.31E-05	0.007494	-	-	0.000987	0.000159	0.000676	0.001298	0.000125337	0.000652	0.00121	0.0022438	0.001337	-	-	-	-	-	-	0.971065	3.21E-10	43.71868	2	0.543768
Anthracene	C	88.5	616	71	545	2.07E-10	3.16E-05	1.95E-10	3.45E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.608985
Arsenic dissolved	A	0	16	16	0	8.28E-09	1.20E-05	-	-	1.02E-06	7.52E-07	4.58E-07	2.49E-06	2.37E-08	7.21E-08	2.59E-07	2.76E-06	3.01E-06	-	-	-	-	-	-	0.976585	-	-	-	0.323405
Benz(a)anthracene	B	65	503	176	327	5.46E-10	0.000141	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	1.80E-06	4.57E-09	1.01E-08	5.39E-08	9.17E-07	1.15E-05	0.986162	-	-	-	0.662549
Benzene	C	98.9	88	1	87	1.44E-05	1.44E-05	2.01E-07	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.523609
Benzo(a)pyrene	B	71.5	613	175	438	1.08E-09	0.000166	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	1.83E-06	5.15E-09	8.49E-09	3.37E-08	1.52E-06	1.21E-05	0.99223	-	-	-	0.465839
Benzo(b)fluoranthene	B	69	342	106	236	1.19E-09	0.000149	1.30E-09	8.75E-06	-	-	-	-	-	-	-	-	-	2.82E-06	5.54E-09	8.97E-09	1.49E-07	1.95E-06	1.45E-05	0.956103	-	-	-	0.837592
Benzo(b,k)fluoranthene	B	50.8	126	62	64	2.64E-08	2.12E-06	1.17E-08	4.70E-07	-	-	-	-	-	-	-	-	-	1.52E-07	2.76E-08	4.87E-08	1.66E-07	3.89E-07	2.68E-07	0.991668	-	-	-	0.015925
Benzo(b,h)perylene	B	59.7	615	248	367	1.15E-09	0.000131	1.88E-10	8.75E-06	-	-	-	-	-	-	-	-	-	1.59E-06	1.23E-08	2.27E-08	1.97E-07	1.65E-06	9.47E-06	0.99215	-	-	-	0.217136
Benzo(k)fluoranthene	B	75.4	342	84	258	6.89E-10	0.000149	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	2.70E-06	3.20E-09	5.50E-09	1.08E-08	2.15E-06	1.43E-05	0.977963	-	-	-	0.697565
Benzoofluoranthenes, Total	B	54.1	148	68	80	2.80E-09	6.10E-05	1.17E-08	1.25E-05	-	-	-	-	-	-	-	-	-	2.17E-06	3.41E-08	6.51E-08	1.37E-06	5.91E-06	6.50E-06	0.993023	-	-	-	0.251243
Bis(2-ethylhexyl) phthalate	A	38	605	375	230	9.92E-08	0.000867	8.32E-09	9.44E-05	1.53E-05	2.02E-06	1.13E-05	1.92E-05	6.36E-07	3.86E-06	1.14E-05	3.46E-05	4.97E-05	-	-	-	-	-	-	0.988812	1.15E-46	216.4883	3	0.007021
BTEX	C	96.6	88	3	85	2.20E-06	3.55E-05	2.01E-07	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.184319
Butyl benzyl phthalate	B	77.1	615	141	474	2.97E-09	2.77E-05	9.73E-10	5.57E-05	-	-	-	-	-	-	-	-	-	5.75E-07	8.37E-08	1.17E-07	1.35E-07	1.28E-06	1.81E-06	0.994355	-	-	-	0.008724
Cadmium	A	25.4	621	463	158	1.50E-09	3.02E-05	1.04E-09	1.11E-05	1.42E-06	1.20E-07	1.19E-06	1.66E-06	8.25E-08	4.83E-07	1.53E-06	3.37E-06	2.98E-06	-	-	-	-	-	-	0.997532	1.70E-36	169.4137	3	0.958267
Cadmium dissolved	A	47.1	618	327	291	6.34E-09	2.09E-05	9.41E-10	1.11E-05	3.91E-07	4.79E-08	2.97E-07	4.85E-07	1.98E-08	9.96E-08	3.74E-07	8.74E-07	1.19E-06	-	-	-	-	-	-	0.99611	7.91E-26	119.9509	3	0.554979
Calcium	A	0	341	341	0	5.59E-05	0.871834	-	-	0.050378	0.004649	0.041266	0.059489	0.005615116	0.015444	0.050203	0.1483583	0.085844	-	-	-	-	-	-	0.983507	2.31E-30	140.9915	3	0.331959
Calcium dissolved	A	0	2	2	0	0.02347	0.002469	-	-	0.025469	0.001999	0.02155	0.029388	0.023469723	-	-	-	0.002828	-	-	-	-	-	-	-	-	-	-	-
Chloride	A	2	537	526	11	1.53E-05	13.27358	6.91E-05	0.0016009	0.101992	0.027096	0.048885	0.155099	0.002800661	0.013941	0.0465188	0.1209889	0.627904	-	-	-	-	-	-	0.99501	7.42E-20	92.18813	3	0.000124
Chlorpyrifos	C	99.8	605	1	604	1.45E-07	1.45E-07	6.40E-10	1.39E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07626
Chrysene	B	53.6	616	287	329	1.03E-09	0.000184	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	2.21E-06	1.58E-08	3.63E-08	3.11E-07	2.09E-06	1.35E-05	0.991698	-	-	-	0.005823
Copper	A	0.5	613	610	3	9.75E-08	0.00175	1.38E-07	1.60E-07	0.000131	8.81E-06	0.000114	0.000148	1.08E-05	5.05E-05	0.000147	0.000364	0.000218	-	-	-	-	-	-	0.994845	1.20E-58	271.8901	3	0.838208
Copper dissolved	A	2.6	587	572	15	7.34E-08	0.000471	1.38E-07	0.000196	4.02E-05	2.58E-06	3.51E-05	4.52E-05	5.55E-06	1.48E-05	4.83E-05	0.0001065	6.26E-05	-	-	-	-	-	-	0.995482	2.54E-52	242.653	3	0.032
CPAH	A	48.5	619	319	300	4.39E-09	0.000956	1.31E-09	8.75E-06	1.05E-05	2.79E-06	5.04E-06	1.60E-05	2.45E-08	1.15E-07	8.80E-07	7.28E-06	6.93E-05	-	-	-	-	-	-	0.991006	1.10E-35	165.6537	3	0.021397
Di-N-Octyl Phthalate	C	88.6	614	70	544	9.16E-09	3.56E-05	4.71E-10	5.57E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.248908
Diazinon	C	99	605	6	599	4.88E-08	1.74E-06	8.09E-10	1.39E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.758798
Dibenzo(a,h)anthracene	C	86	616	86	530	4.29E-10	4.52E-05	1.88E-10	3.45E-05	-	-	-	-	-	-	-	-	-	7.04E-07	9.42E-08	1.66E-07	2.83E-07	1.71E-06	2.26E-06	0.992714	-	-	-	0.03712
Dibutyl phthalate	B	67.8	615	198	417	8.07E-10	4.30E-05	1.75E-09	5.57E-05	-	-	-	-	-	-	-	-	-	3.08E-07	2.51E-08	4.82E-08	1.68E-07	7.42E-07	1.00E-06	0.981249	-	-	-	0.123629
Dichlobenil	B	63.3	572	210	362	9.48E-09	1.57E-05	1.33E-09	1.98E-05	0.002451	0.000555	0.001362	0.003539	-	0.000786	0.0023723	0.005445	0.004302	-	-	-	-	-	-	0.994546	-	-	-	0.92824
Diesel Fuel	A	45	60	33	27	0.00059	0.026799	6.85E-05	0.0045027	0.002451	0.000555	0.001362	0.003539	-	0.000786	0.0023723	0.005445	0.004302	-	-	-	-	-	-	0.994546	-	-	-	0.376926
Diesel Range Organics	A	30	327	229	98	7.09E-06	0.051969	1.82E-05	0.0054346	0.002777	0.00034	0.002112	0.003443	0.000205983	0.000501	0.0027631	0.0068456	0.006141	-	-	-	-	-	-	0.995374	1.51E-29	137.2124	3	0.018207
Diethyl phthalate	B	69	616	191	425	2.53E-09	6.16E-05	1.17E-07	5.57E-05	-	-	-	-	-	-	-	-	-	6.99E-07	1.56E-07	2.19E-07	2.31E-07	1.12E-06	3.12E-06	0.968308	-	-	-	0.473982
Dimethyl phthalate	C	84.9	616	93	523	4.06E-09	1.46E-05	4.97E-10	5.57E-05	-	-	-	-																

Parameter and matrix	Case	Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)								Peto Prentice test (Land use significance)				
		% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df	Seasonal Wilcoxon p-value			
Total Kjeldahl Nitrogen	A	9.9	567	511	56	8.70E-06	0.257083	4.18E-05	0.0221156	0.007755	0.00064	0.006501	0.00901	0.000998032	0.003424	0.0095028	0.0188495	0.015241	-	-	-	-	-	-	-	0.99753	2.68E-24	112.8435	3	0.810418		
Total PAH	A	26.8	619	453	166	8.43E-09	0.001937	2.36E-09	1.25E-05	2.33E-05	5.77E-06	1.20E-05	3.47E-05	1.19E-07	6.67E-07	3.75E-06	2.02E-05	0.000144	-	-	-	-	-	-	-	0.992355	1.28E-46	216.2839	3	0.012001		
Total PCB	A	44.4	27	15	12	1.05E-08	2.22E-06	1.18E-09	1.14E-07	2.13E-07	9.23E-08	3.20E-08	3.94E-07	-	1.20E-08	1.69E-07	4.42E-07	4.80E-07	-	-	-	-	-	-	-	0.975794	9.02E-09	37.04867	2	0.539971		
Total Phosphorus	A	3	566	549	17	2.32E-06	0.012553	2.70E-06	0.0008413	0.00111	7.60E-05	0.00096	0.001259	0.000138888	0.00045	0.0013306	0.0028246	0.001809	-	-	-	-	-	-	-	0.996755	5.68E-22	102.0335	3	0.354233		
Total Phthalate	A	22.8	619	478	141	3.33E-09	0.000867	1.17E-07	6.53E-05	1.68E-05	2.02E-06	1.29E-05	2.08E-05	8.79E-07	4.65E-06	1.44E-05	3.92E-05	5.02E-05	-	-	-	-	-	-	-	0.993941	1.68E-44	206.4841	3	0.017447		
Total Suspended Solids	A	0.2	586	585	1	0.000135	12.49532	0.0017129	0.0017129	0.460781	0.04118	0.38007	0.541492	0.036710825	0.136716	0.4350451	1.1516493	0.996856	-	-	-	-	-	-	-	0.997325	3.16E-26	121.7974	3	0.040055		
Total TPHDx	A	20.4	401	319	82	2.05E-05	0.136605	1.82E-05	0.0107797	0.007643	0.00076	0.006154	0.009132	0.000539806	0.001966	0.0082084	0.0195968	0.015213	-	-	-	-	-	-	-	0.991176	1.65E-29	137.0316	3	0.54412		
Total Xylenes	C	98.9	88	1	87	9.61E-06	9.61E-06	2.01E-07	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.513995		
TPHGx	C	100	21	0	21	-	-	3.43E-05	0.0026336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Triclopyr	C	88.6	536	61	475	7.37E-09	4.13E-05	9.35E-09	3.61E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.390532		
Zinc	A	0.8	612	607	5	2.42E-07	0.013708	7.33E-07	3.25E-06	0.000632	4.08E-05	0.000552	0.000712	7.68E-05	0.000312	0.0007699	0.0015404	0.001009	-	-	-	-	-	-	-	0.996546	8.43E-68	314.1937	3	0.757727		
Zinc dissolved	A	2.5	594	579	15	1.10E-07	0.006847	7.33E-07	0.0004244	0.000258	1.79E-05	0.000222	0.000293	3.15E-05	0.000132	0.0003222	0.0006583	0.000436	-	-	-	-	-	-	-	0.99489	3.34E-54	251.3521	3	0.834417		

Table I-5. Statistical summary of contaminant load per area (kg ha⁻¹) by land use.

Parameter and matrix			Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)							
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value	
1-Methylnaphthalene	COM	C	96.7	150	5	145	9.85E-08	6.90E-06	5.39E-08	8.37E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.180356		
2-Methylnaphthalene	COM	B	78.5	270	58	212	9.83E-09	8.16E-06	6.61E-09	3.45E-05	-	-	-	-	-	-	-	-	2.45E-07	2.10E-08	2.53E-08	3.04E-08	3.04E-07	9.13E-07	0.984675	0.084428		
2,4-D	COM	C	87.4	246	31	215	6.46E-08	1.05E-05	1.42E-08	5.57E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.012447		
Acenaphthene	COM	C	87.8	270	33	237	1.68E-08	7.71E-06	4.91E-09	3.45E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.714415		
Acenaphthylene	COM	C	92.6	270	20	250	1.33E-08	7.30E-06	6.14E-09	3.45E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.930831		
Ammonia	COM	A	0	24	24	0	0.000406	0.007494	-	-	0.001724	0.00036	0.001018	0.00243	0.000842	0.001139	0.0017482	0.0033628	0.001764	-	-	-	-	-	0.962704	0.328172		
Anthracene	COM	C	81.5	270	50	220	1.19E-08	3.16E-05	7.37E-09	3.45E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14899		
Arsenic dissolved	COM	A	0	1	1	0	1.20E-05	1.20E-05	-	-	1.20E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Benzo(a)anthracene	COM	B	60.7	234	92	142	2.33E-08	0.000141	4.41E-09	6.23E-06	-	-	-	-	-	-	-	-	3.80E-06	1.67E-08	3.69E-08	5.66E-07	4.21E-06	1.66E-05	0.982605	0.493467		
Benzene	COM	C	96.4	28	1	27	1.44E-05	1.44E-05	2.83E-07	4.22E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.554113		
Benzo(a)pyrene	COM	B	60.2	269	107	162	1.91E-08	0.000166	8.81E-09	6.23E-06	-	-	-	-	-	-	-	-	4.06E-06	1.91E-08	3.78E-08	8.68E-07	5.70E-06	1.80E-05	0.989436	0.429134		
Benzo(b)fluoranthene	COM	B	52.6	156	74	82	3.40E-08	0.000149	1.01E-08	5.96E-06	-	-	-	-	-	-	-	-	6.12E-06	4.50E-08	1.42E-07	1.50E-06	9.76E-06	2.10E-05	0.959107	0.453806		
Benzo(b,k)fluoranthene	COM	A	35.7	42	27	15	2.64E-08	2.12E-06	1.23E-08	4.35E-07	2.26E-07	5.82E-08	1.12E-07	3.40E-07	2.64E-08	9.31E-08	1.92E-07	4.90E-07	3.77E-07	-	-	-	-	-	0.994281	0.025403		
Benzo(g,h,i)perylene	COM	A	45.7	269	146	123	9.83E-09	0.000131	1.01E-08	6.23E-06	3.53E-06	8.60E-07	1.85E-06	5.22E-06	4.42E-08	2.28E-07	1.39E-06	6.11E-06	1.41E-05	-	-	-	-	-	0.993617	0.69919		
Benzo(k)fluoranthene	COM	B	64.1	156	56	100	3.74E-08	0.000149	1.01E-08	5.96E-06	-	-	-	-	-	-	-	-	5.72E-06	2.58E-08	4.07E-08	9.25E-07	8.71E-06	2.08E-05	0.963081	0.237076		
Benzo(fluoranthene)s, Total	COM	A	41.7	72	42	30	2.43E-07	6.10E-05	1.77E-08	1.25E-05	4.28E-06	1.04E-06	2.23E-06	6.33E-06	-	1.13E-06	4.35E-06	1.03E-05	8.86E-06	-	-	-	-	-	0.980373	0.832803		
Bis(2-ethylhexyl) phthalate	COM	A	23.5	260	199	61	7.44E-07	0.000867	5.90E-07	9.44E-05	2.96E-05	4.51E-06	2.08E-05	3.85E-05	4.96E-06	9.69E-06	2.65E-05	6.73E-05	7.27E-05	-	-	-	-	-	0.98561	0.001827		
BTEX	COM	C	96.4	28	1	27	3.55E-05	3.55E-05	2.83E-07	4.22E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.554113		
Butyl benzyl phthalate	COM	B	74	269	70	199	1.08E-07	2.77E-05	1.16E-07	5.57E-05	-	-	-	-	-	-	-	-	1.35E-06	5.62E-07	7.45E-07	7.92E-07	2.98E-06	2.42E-06	0.981346	0.008821		
Cadmium	COM	A	15.9	270	227	43	6.23E-08	3.02E-05	1.70E-08	1.11E-05	2.11E-06	2.26E-07	1.67E-06	2.56E-06	4.14E-07	9.38E-07	2.23E-06	4.57E-06	3.71E-06	-	-	-	-	-	0.989148	0.950109		
Cadmium dissolved	COM	A	39.3	267	162	105	2.17E-08	1.35E-05	3.30E-08	1.11E-05	4.91E-07	6.41E-08	3.66E-07	6.17E-07	9.38E-08	2.19E-07	5.33E-07	1.02E-06	1.05E-06	-	-	-	-	-	0.98282	0.91238		
Calcium	COM	A	0	149	149	0	0.003397	0.392384	-	-	0.061039	0.006218	0.048851	0.073227	0.0135012	0.025253	0.0937079	0.1691536	0.075906	-	-	-	-	-	0.967543	0.431488		
Calcium dissolved	COM	A	0	2	2	0	0.02347	0.027469	-	-	0.025469	0.001999	0.02155	0.029388	0.0234697	-	-	-	0.002828	-	-	-	-	-	-	-		
Chloride	COM	A	0.9	223	221	2	0.001032	13.27358	0.0003409	0.0015768	0.164412	0.063159	0.040623	0.288202	0.0069656	0.019805	0.0580432	0.1888409	0.943163	-	-	-	-	-	0.981187	0.00326		
Chlorpyrifos	COM	C	100	259	0	259	-	-	1.23E-08	1.39E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Chrysene	COM	A	35.6	270	174	96	1.19E-08	0.000184	1.01E-08	6.23E-06	4.93E-06	1.22E-06	2.54E-06	7.31E-06	7.92E-08	3.70E-07	1.90E-06	6.69E-06	2.00E-05	-	-	-	-	-	0.995821	0.271562		
Copper	COM	A	0	268	268	0	1.97E-06	0.00175	-	-	0.00023	1.75E-05	0.000196	0.000265	5.09E-05	0.000122	0.0002659	0.000589	0.000287	-	-	-	-	-	0.988066	0.694822		
Copper dissolved	COM	A	1.9	263	258	5	1.41E-06	0.000471	6.93E-06	0.000196	7.00E-05	4.92E-06	6.03E-05	7.96E-05	1.47E-05	4.38E-05	9.87E-05	0.0001752	7.98E-05	-	-	-	-	-	0.983182	0.03011		
CPAH	COM	A	33.1	269	180	89	1.79E-08	0.000956	1.01E-08	6.23E-06	2.33E-05	6.33E-06	1.09E-05	3.57E-05	1.51E-07	7.14E-07	5.00E-06	2.50E-05	0.000104	-	-	-	-	-	0.986561	0.489018		
Di-N-Octyl Phthalate	COM	C	85.5	269	39	230	4.08E-07	3.56E-05	2.58E-05	5.57E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.024148		
Diazinon	COM	C	99.2	259	2	257	4.06E-07	1.74E-06	7.37E-09	1.39E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.449311		
Dibenzo(a,h)anthracene	COM	B	77.8	270	60	210	6.14E-09	4.52E-05	8.52E-09	3.45E-05	-	-	-	-	-	-	-	-	1.29E-06	1.60E-08	1.94E-08	3.42E-08	2.21E-06	5.36E-06	0.980076	0.063827		
Di-butyl phthalate	COM	B	72.1	269	75	194	8.90E-08	4.30E-05	5.94E-08	5.57E-05	-	-	-	-	-	-	-	-	1.07E-06	5.39E-07	6.39E-07	6.52E-07	1.62E-06	2.86E-06	0.979154	0.26248		
Dichlobenil	COM	B	66.9	248	82	166	1.47E-08	1.57E-05	1.64E-08	1.98E-05	-	-	-	-	-	-	-	-	4.30E-07	4.23E-08	6.43E-08	1.74E-07	9.03E-07	1.41E-06	0.937111	0.448896		
Diesel Fuel	COM	A	45	60	33	27	0.00059	0.026799	6.85E-05	0.0045027	0.002451	0.000555	0.001362	0.003539	-	0.000786	0.0023723	0.005445	0.004302	-	-	-	-	-	0.994546	0.376926		
Diesel Range Organics	COM	A	27.6	116	84	32	0.000538	0.051969	0.0002077	0.0054346	0.006228	0.000846	0.00457	0.007887	0.0006659	0.003402	0.0066876	0.0141064	0.009114	-	-	-	-	-	0.99092	0.191707		
Diethyl phthalate	COM	B	73.3	270	72	198	2.00E-07	6.16E-05	1.75E-07	5.57E-05	-	-	-	-	-	-	-	-	1.41E-06	5.52E-07	6.60E-07	6.99E-07	1.35E-06	4.55E-06	0.985981	0.097841		
Dimethyl phthalate	COM	C	86.7	270	36	234	1.10E-07	1.46E-05	2.58E-08	5.57E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.423975		
Ethylbenzene	COM	C	100	28	0	28	-	-	2.83E-07	4.22E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Fluoranthene	COM	A	26	269	199	70	2.46E-08	0.000352	1.01E-08	6.23E-06	9.38E-06	2.41E-06	4.66E-06	1.41E-05	1.92E-07	7.06E-07	2.62E-06	1.22E-05	3.95E-05	-	-	-	-	-	0.989493	0.09503		
Fluorene	COM	C	84.1	270	43	227	1.79E-08	1.22E-05	6.14E-09	3.45E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.776385		
Gasoline Range Organics	COM	C	91.1	135	12	123	1.45E-05	0.000882	2.66E-05	0.0124927	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.067388		
Hardness as CaCO3	COM	A	0.7	273	271	2	0.004718	12.54091	0.0158051	0.0943745	0.266024	0.050112	0.167806	0.364242	0.043298	0.106993	0.2889148	0.5077566	0.827986	-	-	-	-	-	0.981684	0.022381		
Heavy Fuel Oil	COM	A	3	67	65	2	0.000467	0.133831	0.0019316	0.0053238	0.012946	0.00245	0.008143	0.017749	0.0032879	0.007098	0.01444018	0.0223445	0.020058	-	-	-	-	-	0.991896	0.043774		
HPAH	COM	A	21.6	268	210	58	8.23E-08	0.00174	1.01E-08	1.25E-05	4.54E-05	1.17E-05	2.25E-05	6.83E-05	5.68E-07	2.89E-06	1.21E-05	6.42E-05	0.000191	-	-	-	-	-	0.987215	0.502098		
Indeno(1,2,3-cd)pyrene	COM	B	60.4	270	107	163	6.14E-09	0.000122	1.01E-08	6.23E-06	-	-	-	-	-	-	-	-	2.93E-06	2.34E-08	4.32E-08	6.69E-07	4.44E-06	1.28E-05	0.98722	0.327774		
Lead	COM	A	0	271	271	0	5.41E-07	0.002194	-	-	0.000214	1.98E-05	0.000176	0.000253	3.12E-05	8.55E-05	0.0002616	0.0006492	0.000325	-	-	-	-	-	0.981898	0.407348		
Lead dissolved	COM	A	7.5	266	246	20	6.96E-08	0.000254	1.65E-07	5.57E-05	1.02E-05	1.50E-06	7.30E-06	1.32E-05	7.20E-07	2.37E-06	8.39E-06	2.94E-05	2.45E-05	-	-	-	-	-	0.96279	0.106703		
LPAH	COM	A	29	269	191	78	1.72E-08	0.000197	2.33E-08	6.23E-06	6.44E-06	1.52E-06	3.46E-06	9.42E-06	1.62E-07	5.59E-07	2.17E-06	8.49E-06	2.49E-05	-	-	-	-	-	0.993993	0.496956		
Lube Oil	COM	A	0	21	21	0	0.000636	0.026017	-	-	0.008778	0.001811	0.005228	0.012328	0.0019156	0.006889	0.0129092	0.0229865	0.0083	-	-	-	-	-	0.972518	-		
Magnesium	COM	A</																										

Parameter and matrix	Land use	Case	Data summary							Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)							
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value
Prometon	COM	C	99.2	246	2	244	6.15E-07	2.46E-06	1.04E-08	3.17E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.427906	
Pyrene	COM	A	23.8	269	205	64	2.33E-08	0.000301	1.01E-08	6.23E-06	8.16E-06	2.04E-06	4.17E-06	1.22E-05	2.38E-07	9.40E-07	3.21E-06	1.03E-05	3.34E-05	-	-	-	-	-	-	0.9933	0.020432
Surfactants	COM	A	20.9	258	204	54	3.74E-05	0.02128	1.69E-05	0.0027861	0.000796	0.000103	0.000593	0.000999	0.0001622	0.000351	0.000755	0.0018804	0.001662	-	-	-	-	-	-	0.988982	0.480704
Toluene	COM	C	96.4	28	1	27	1.15E-05	1.15E-05	2.83E-07	4.22E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.532884	
Total Benzo[fluoranthenes	COM	A	46.8	269	143	126	2.64E-08	0.000298	1.01E-08	1.25E-05	8.02E-06	1.98E-06	4.14E-06	1.19E-05	2.64E-08	3.14E-07	2.20E-06	1.41E-05	3.25E-05	-	-	-	-	-	-	0.990496	0.711006
Total Kjeldahl Nitrogen	COM	A	12.7	244	213	31	0.000208	0.257083	0.0003147	0.0221156	0.011578	0.001306	0.009017	0.014138	0.0030362	0.006228	0.0124675	0.0237196	0.020407	-	-	-	-	-	-	0.992714	0.477756
Total PAH	COM	A	16.4	269	225	44	4.07E-08	0.001937	6.77E-08	1.25E-05	5.17E-05	1.31E-05	2.60E-05	7.73E-05	8.16E-07	3.46E-06	1.44E-05	7.84E-05	0.000215	-	-	-	-	-	-	0.973213	0.311594
Total PCB	COM	A	0	8	8	0	1.42E-07	2.22E-06	-	-	6.51E-07	2.53E-07	1.54E-07	1.15E-06	1.69E-07	3.34E-07	4.42E-07	-	7.17E-07	-	-	-	-	-	-	0.961481	0.754776
Total Phosphorus	COM	A	4.5	244	233	11	1.37E-05	0.012375	2.70E-06	0.0008413	0.001548	0.000139	0.001275	0.00182	0.0003291	0.000728	0.0017414	0.0041357	0.002173	-	-	-	-	-	-	0.99367	0.282331
Total Phthalate	COM	A	18.2	269	220	49	7.44E-07	0.000867	5.90E-07	6.53E-05	3.15E-05	4.43E-06	2.28E-05	4.02E-05	4.83E-06	1.08E-05	2.99E-05	7.26E-05	7.27E-05	-	-	-	-	-	-	0.983535	0.00938
Total Suspended Solids	COM	A	0	257	257	0	0.004385	8.744866	-	-	0.650815	0.069621	0.514361	0.787269	0.0937253	0.278182	0.6341357	1.7801851	1.116105	-	-	-	-	-	-	0.984611	0.001685
Total TPHdx	COM	A	16.3	184	154	30	0.00059	0.136605	6.85E-05	0.0090055	0.013874	0.001496	0.010941	0.016807	0.0019936	0.007108	0.0173654	0.0319853	0.020299	-	-	-	-	-	-	0.976714	0.899006
Total Xylenes	COM	C	96.4	28	1	27	9.61E-06	9.61E-06	2.83E-07	4.22E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.532884	
TPHgx	COM	C	100	21	0	21	-	-	3.43E-05	0.0026336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Triclopyr	COM	C	93.2	236	16	220	2.34E-08	6.20E-06	1.42E-08	2.50E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.076121	
Zinc	COM	A	0	267	267	0	6.75E-05	0.013708	-	-	0.001014	7.82E-05	0.000861	0.001167	0.0003398	0.000586	0.0012483	0.0020379	0.001278	-	-	-	-	-	-	0.981358	0.788512
Zinc dissolved	COM	A	0	264	264	0	2.06E-06	0.006847	-	-	0.000405	3.43E-05	0.000337	0.000472	0.0001199	0.000261	0.00049	0.0008672	0.000558	-	-	-	-	-	-	0.981441	0.658953
1-Methylnaphthalene	HDR	C	100	61	0	61	-	-	1.17E-08	2.88E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
2-Methylnaphthalene	HDR	C	84.8	178	27	151	2.03E-08	4.79E-06	1.98E-09	2.88E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11449	
2,4-D	HDR	B	65.6	160	55	105	2.58E-08	7.08E-05	9.44E-09	3.50E-05	-	-	-	-	-	-	-	-	-	1.44E-06	2.58E-08	5.80E-08	2.01E-07	1.02E-06	7.92E-06	0.99255	0.006404
Acenaphthene	HDR	C	95.5	178	8	170	1.36E-08	5.01E-07	1.98E-09	2.88E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.113209	
Acenaphthylene	HDR	C	93.8	178	11	167	1.25E-08	1.30E-07	1.14E-09	2.88E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20954	
Ammonia	HDR	A	0	23	23	0	1.31E-05	0.000652	-	-	0.000106	2.72E-05	5.29E-05	0.00016	3.24E-05	7.32E-05	0.0001313	0.0001796	0.000131	-	-	-	-	-	-	0.988076	0.777433
Anthracene	HDR	C	94.9	178	9	169	3.06E-08	2.51E-07	1.83E-09	2.88E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.100548	
Benz(a)anthracene	HDR	B	70.2	141	42	99	1.07E-08	1.42E-06	1.37E-09	2.16E-06	-	-	-	-	-	-	-	-	-	5.91E-08	5.29E-09	8.96E-09	2.14E-08	1.51E-07	1.83E-07	0.978366	0.236467
Benzene	HDR	C	100	31	0	31	-	-	2.01E-07	2.88E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Benzo(a)pyrene	HDR	C	83.1	177	30	147	7.54E-09	2.88E-06	2.36E-09	2.16E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.067934	
Benzo(b)fluoranthene	HDR	C	82.4	91	16	75	7.37E-09	1.49E-06	1.30E-09	2.88E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.300737	
Benzo(b,k)fluoranthene	HDR	B	53.8	52	24	28	3.03E-08	1.08E-06	2.60E-08	4.70E-07	-	-	-	-	-	-	-	-	-	1.30E-07	2.73E-08	4.77E-08	1.21E-07	3.75E-07	2.05E-07	0.989734	0.656509
Benzo(g,h,i)perylene	HDR	B	69.7	178	54	124	1.40E-08	2.88E-06	1.45E-09	2.16E-06	-	-	-	-	-	-	-	-	-	9.26E-08	8.75E-09	1.47E-08	4.10E-08	2.03E-07	2.85E-07	0.96515	0.12069
Benzo(k)fluoranthene	HDR	C	87.9	91	11	80	2.12E-08	2.88E-06	1.83E-09	2.16E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.227336	
Benzo[fluoranthenes, Total	HDR	B	77.1	35	8	27	6.60E-08	3.97E-06	1.17E-08	1.41E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.896225	0.101374
Bis(2-ethylhexyl) phthalate	HDR	A	41.6	178	104	74	9.92E-08	7.76E-05	1.00E-07	2.87E-05	4.16E-06	6.56E-07	2.88E-06	5.45E-06	4.40E-07	1.47E-06	3.41E-06	1.07E-05	8.76E-06	-	-	-	-	-	-	0.982146	0.329451
BTEX	HDR	C	93.5	31	2	29	2.20E-06	2.29E-06	2.01E-07	2.88E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.301102	
Butyl benzyl phthalate	HDR	B	77	178	41	137	1.73E-08	7.58E-06	1.37E-09	2.88E-05	-	-	-	-	-	-	-	-	-	2.90E-07	5.89E-08	8.09E-08	1.42E-07	3.28E-07	8.72E-07	0.975628	0.810655
Cadmium	HDR	A	30.3	178	124	54	8.85E-09	1.15E-05	1.43E-08	3.79E-06	6.99E-07	9.99E-08	5.04E-07	8.95E-07	3.92E-08	1.36E-07	7.48E-07	2.18E-06	1.33E-06	-	-	-	-	-	-	0.969325	0.560698
Cadmium dissolved	HDR	B	51.7	178	86	92	6.63E-09	5.09E-06	1.00E-08	7.23E-06	-	-	-	-	-	-	-	-	-	1.97E-07	2.07E-08	3.38E-08	1.48E-07	5.03E-07	5.09E-07	0.950113	0.161944
Calcium	HDR	A	0	92	92	0	0.000509	0.138371	-	-	0.008229	0.001571	0.005151	0.011307	0.0026258	0.004944	0.0076288	0.0144755	0.015065	-	-	-	-	-	-	0.99567	0.675995
Chloride	HDR	A	5	160	152	8	5.35E-05	1.264873	6.91E-05	0.0005386	0.023685	0.008135	0.007741	0.039629	0.0011143	0.002407	0.0147584	0.0611906	0.102899	-	-	-	-	-	-	0.975851	0.303859
Chlorpyrifos	HDR	C	100	178	0	178	-	-	2.75E-09	2.88E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Chrysene	HDR	B	66.3	178	60	118	1.31E-08	2.49E-06	2.14E-09	2.88E-06	-	-	-	-	-	-	-	-	-	9.48E-08	9.33E-09	1.57E-08	4.82E-08	2.48E-07	2.63E-07	0.969826	0.016175
Copper	HDR	A	1.7	175	172	3	1.18E-06	0.000316	1.38E-07	1.60E-07	4.63E-05	5.20E-06	3.61E-05	5.65E-05	6.38E-06	1.60E-05	5.29E-05	0.0001465	6.87E-05	-	-	-	-	-	-	0.976521	0.216896
Copper dissolved	HDR	A	4.3	163	156	7	8.85E-07	0.000285	1.38E-07	3.97E-05	1.42E-05	2.28E-06	9.72E-06	1.86E-05	2.97E-06	6.42E-06	1.30E-05	2.97E-05	2.91E-05	-	-	-	-	-	-	0.984855	0.454014
CPAH	HDR	B	57.9	178	75	103	1.45E-08	1.15E-05	2.36E-09	2.16E-06	-	-	-	-	-	-	-	-	-	4.11E-07	1.28E-08	2.33E-08	1.50E-07	9.88E-07	1.37E-06	0.97261	0.039061
Di-N-Octyl Phthalate	HDR	C	87	177	23	154	2.17E-08	1.94E-05	1.37E-09	2.88E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.807097	
Diazinon	HDR	C	98.3	178	3	175	4.88E-08	4.19E-07	1.91E-09	2.88E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.344377	
Dibenzo(a,h)anthracene	HDR	C	93.8	178	11	167	1.82E-08	5.77E-06	1.30E-09	2.16E-06	-	-	-	-	-	-	-	-	-	6.70E-07	8.06E-08	1.03E-07	2.21E-07	2.08E-06	1.63E-06	0.951168	0.174961
Dibutyl phthalate	HDR	B	62.4	178	67	111	1.53E-08	1.03E-05	1.75E-09	2.88E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.97105	0.685086
Dichlobenil	HDR	A	45.8	166	90	76	9.48E-09	3.61E-06	5.34E-09	4.15E-06	3.54E-07	5.04E-08	2.55E-07	4.52E-07	2.24E-08	9.07E-08	3.85E-07	1.12E-06	6.50E-07	-	-	-	-	-	-	0.967424	0.038628
Diesel Range Organics	HDR	A	28.7	108	77	31	1.60E-05	0.003284	4.01E-05	0.0043318	0.000422	4.58E-05															

Parameter and matrix	Land use	Case	Data summary								Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)							
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value	
p-Cresol	HDR	C	100	7	0	7	-	-	6.70E-08	3.01E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1016	HDR	C	100	10	0	10	-	-	1.18E-09	2.20E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1221	HDR	C	100	10	0	10	-	-	1.18E-09	2.20E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1232	HDR	C	100	10	0	10	-	-	1.18E-09	2.20E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1242	HDR	C	100	10	0	10	-	-	1.18E-09	2.20E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1248	HDR	C	100	10	0	10	-	-	1.18E-09	2.20E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1254	HDR	C	100	10	0	10	-	-	1.18E-09	4.77E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1260	HDR	C	90	10	1	9	1.05E-08	1.05E-08	1.18E-09	2.20E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.705457	
Pentachlorophenol	HDR	C	87.6	161	20	141	5.34E-09	4.39E-06	5.56E-09	2.88E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.917047	
Phenanthrene	HDR	B	53.4	178	83	95	9.58E-09	1.76E-06	1.68E-09	2.88E-06	-	-	-	-	-	-	-	-	-	1.15E-07	2.76E-08	4.05E-08	8.15E-08	2.52E-07	2.38E-07	0.956038	0.098758	
Phenol	HDR	B	57.1	7	3	4	3.93E-07	1.09E-06	6.70E-08	3.01E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.220671	
Prometon	HDR	C	92.7	165	12	153	1.02E-08	1.25E-06	1.39E-09	3.78E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.005831	
Pyrene	HDR	A	41	178	105	73	1.58E-08	3.25E-06	1.45E-09	2.88E-06	1.97E-07	2.97E-08	1.39E-07	2.55E-07	3.30E-08	7.21E-08	1.98E-07	4.72E-07	3.97E-07	-	-	-	-	-	-	-	0.974739	
Surfactants	HDR	A	42.1	171	99	72	3.51E-06	0.002372	5.01E-06	0.0007207	0.000203	2.84E-05	0.000147	0.000258	1.11E-05	4.84E-05	0.0002309	0.000563	0.000371	-	-	-	-	-	-	-	0.950178	
Toluene	HDR	C	93.5	31	2	29	2.20E-06	2.29E-06	2.01E-07	2.88E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.301102	
Total Benzo[fluoranthenes	HDR	B	72.5	178	49	129	7.37E-09	3.97E-06	1.83E-09	2.16E-06	-	-	-	-	-	-	-	-	-	1.55E-07	6.54E-09	1.19E-08	3.91E-08	3.56E-07	5.01E-07	0.97223	0.035096	
Total Kjeldahl Nitrogen	HDR	A	8.5	165	151	14	0.000111	0.040935	9.27E-05	0.0034799	0.004243	0.000504	0.003255	0.005231	0.0006321	0.001743	0.00444	0.0128025	0.006477	-	-	-	-	-	-	-	0.980804	
Total PAH	HDR	A	34.3	178	117	61	1.59E-08	2.24E-05	2.36E-09	1.43E-06	1.11E-06	2.11E-07	6.93E-07	1.52E-06	4.24E-08	2.13E-07	7.73E-07	2.50E-06	2.81E-06	-	-	-	-	-	-	-	0.977822	
Total PCB	HDR	C	90	10	1	9	1.05E-08	1.05E-08	1.18E-09	2.41E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.654721	
Total Phosphorus	HDR	A	3	166	161	5	9.59E-06	0.004381	2.50E-05	0.0004296	0.000553	6.36E-05	0.000428	0.000677	7.48E-05	0.000197	0.0005658	0.0016985	0.000819	-	-	-	-	-	-	-	0.97265	
Total Phthalate	HDR	A	25.8	178	132	46	4.84E-08	7.76E-05	1.17E-07	2.35E-05	5.26E-06	7.57E-07	3.78E-06	6.75E-06	5.29E-07	1.76E-06	5.22E-06	1.58E-05	1.01E-05	-	-	-	-	-	-	-	0.988666	
Total Suspended Solids	HDR	A	0	168	168	0	0.000602	2.662327	-	-	0.246943	0.036497	0.175411	0.318476	0.0207008	0.058691	0.2190332	0.6501911	0.473053	-	-	-	-	-	-	-	0.983963	
Total TPHDx	HDR	A	20.9	110	87	23	4.24E-05	0.013513	8.02E-05	0.0107797	0.001222	0.000173	0.000883	0.001562	0.00027	0.000679	0.0013047	0.002542	0.001817	-	-	-	-	-	-	-	0.964848	
Total Xylenes	HDR	C	100	31	0	31	-	-	2.01E-07	2.88E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Triclorpyr	HDR	C	83.3	150	25	125	7.37E-09	1.28E-06	9.35E-09	3.61E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.321512	
Zinc	HDR	A	1.7	176	173	3	1.54E-06	0.001762	1.38E-06	1.60E-06	0.000245	2.62E-05	0.000193	0.000296	2.80E-05	9.54E-05	0.0002818	0.0006342	0.000348	-	-	-	-	-	-	-	0.982934	
Zinc dissolved	HDR	A	2.4	165	161	4	6.61E-07	0.00081	1.38E-06	0.0001814	0.000102	1.16E-05	7.91E-05	0.000124	1.12E-05	4.56E-05	0.0001212	0.0002839	0.000149	-	-	-	-	-	-	-	0.977107	
1-Methylnaphthalene	IND	C	81.2	32	6	26	4.40E-07	1.40E-05	5.91E-08	2.58E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.184195	
2-Methylnaphthalene	IND	B	62.5	64	24	40	2.38E-08	2.92E-05	1.49E-08	2.58E-06	-	-	-	-	-	-	-	-	-	5.65E-07	2.01E-08	2.92E-08	7.39E-08	3.18E-07	3.64E-06	0.95316	0.005041	
2,4-D	IND	C	96.4	55	2	53	1.18E-06	2.05E-05	6.84E-08	2.33E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.338643	
Acenaphthene	IND	B	68.8	64	20	44	2.35E-08	2.43E-07	2.08E-08	2.58E-06	-	-	-	-	-	-	-	-	-	6.48E-08	3.04E-08	4.67E-08	9.09E-08	1.27E-07	4.98E-08	0.970472	0.039384	
Acenaphthylene	IND	C	84.4	64	10	54	3.16E-08	1.95E-07	8.92E-09	2.58E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.491396	
Ammonia	IND	A	0	24	24	0	5.44E-05	0.003841	-	-	0.001095	0.0002	0.000703	0.001487	0.0004107	0.000696	0.0013746	0.002392	0.000979	-	-	-	-	-	-	-	0.985819	
Anthracene	IND	C	89.1	64	7	57	1.78E-08	2.16E-07	1.57E-08	2.58E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.224501	
Benzo(a)anthracene	IND	B	79.7	64	13	51	4.60E-08	3.87E-06	7.83E-09	1.65E-06	-	-	-	-	-	-	-	-	-	1.00E-07	6.95E-09	1.31E-08	1.44E-08	9.09E-08	4.93E-07	0.917679	0.201118	
Benzo(a)pyrene	IND	C	82.8	64	11	53	4.21E-08	4.65E-06	1.57E-08	1.65E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.305093	
Benzo(b)fluoranthene	IND	A	50	2	1	1	2.00E-07	2.00E-07	6.11E-07	6.11E-07	2.00E-07	-	-	-	2.00E-07	2.00E-07	2.00E-07	2.00E-07	-	-	-	-	-	-	-	-	0.92006	
Benzo(b,k)fluoranthene	IND	B	65.6	32	11	21	3.35E-08	8.11E-07	1.17E-08	1.89E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.099037	
Benzo(g,h,i)perylene	IND	B	62.5	64	24	40	1.49E-08	4.65E-06	1.79E-08	1.65E-06	-	-	-	-	-	-	-	-	-	1.73E-07	2.29E-08	4.02E-08	8.40E-08	2.83E-07	6.00E-07	0.974943	0.093269	
Benzo(k)fluoranthene	IND	A	50	2	1	1	2.00E-07	2.00E-07	6.11E-07	6.11E-07	2.00E-07	-	-	-	2.00E-07	2.00E-07	2.00E-07	2.00E-07	-	-	-	-	-	-	-	-	0.983016	
Benzo[fluoranthenes, Total	IND	B	76.7	30	7	23	3.02E-07	9.30E-06	5.91E-08	2.28E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.990471	
Bis(2-ethylhexyl) phthalate	IND	A	36.5	63	40	23	9.66E-07	6.84E-05	1.18E-06	2.82E-05	9.59E-06	1.64E-06	6.39E-06	1.28E-05	2.24E-06	5.37E-06	1.15E-05	2.15E-05	1.30E-05	-	-	-	-	-	-	-	0.130554	
Butyl benzyl phthalate	IND	C	84.4	64	10	54	5.68E-07	7.03E-06	6.04E-07	2.82E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.113173	
Cadmium	IND	A	16.7	66	55	11	1.18E-07	2.72E-05	1.21E-07	3.07E-06	2.47E-06	4.86E-07	1.51E-06	3.42E-06	5.51E-07	1.05E-06	2.54E-06	6.00E-06	3.95E-06	-	-	-	-	-	-	-	0.990577	
Cadmium dissolved	IND	B	54.5	66	30	36	1.53E-07	2.09E-05	8.55E-08	4.81E-06	-	-	-	-	-	-	-	-	-	9.63E-07	1.79E-07	3.31E-07	7.89E-07	1.61E-06	2.64E-06	0.966605	0.661479	
Calcium	IND	A	0	32	32	0	0.009229	0.871834	-	-	0.133724	0.028671	0.07753	0.189918	0.0382963	0.071437	0.2019075	0.2686289	0.162187	-	-	-	-	-	-	-	0.990867	
Chloride	IND	A	0	50	50	0	0.002011	2.291693	-	-	0.220583	0.060231	0.102533	0.338633	0.0088219	0.038463	0.2602466	0.7136994	0.425896	-	-	-	-	-	-	-	0.992673	
Chlorpyrifos	IND	C	98.4	64	1	63	1.45E-07	1.45E-07	1.78E-08	4.38E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.092327	
Chrysene	IND	B	59.4	64	26	38	2.51E-08	5.68E-06	8.93E-09	1.65E-06	-	-	-	-	-	-	-	-	-	2.14E-07	1.90E-08	5.35E-08	1.19E-07	3.22E-07	7.31E-07	0.990479	0.026783	
Copper	IND	A	0	66	66	0	9.66E-06	0.00083	-	-	0.000131	1.56E-05	0.000101	0.000162	5.08E-05	0.0001	0.0001685	0.0002719	0.000127	-	-	-	-	-	-	-	0.994954	
Copper dissolved	IND	A	1.5	65	64	1	4.72E-06	0.000112	4.37E-05	4.37E-05	3.00E-05	2.56E-06	2.50E-05	3.50E-05	1.35E-05	2.58E-05	4.20E-05	5.84E-05	2.06E-05	-	-	-	-	-	-	-	0.99455	
CPAH	IND	B	57.1	63	27	36	4.60E-08	1.78E-05	2.74E-08	1.																		

Parameter and matrix	Land use	Case	Data summary							Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)								
			% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value	
Mercury	IND	C	87.9	66	8	58	3.02E-08	6.67E-07	1.18E-08	1.35E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.800293	
Mercury dissolved	IND	C	100	66	0	66	-	-	1.18E-08	1.35E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Motor Oil	IND	A	0	20	20	0	0.00058	0.019537	-	-	0.008084	0.001348	0.005443	0.010726	0.0031636	0.005436	0.0115504	0.0180808	0.006028	-	-	-	-	-	-	-	0.972008	0.230124
Naphthalene	IND	B	54	63	29	34	2.75E-08	3.23E-05	3.15E-08	2.58E-06	-	-	-	-	-	-	-	-	-	6.47E-07	5.68E-08	8.37E-08	1.39E-07	3.12E-07	4.05E-06	0.918536	0.073839	
Nitrite-Nitrate dissolved	IND	A	0	52	52	0	0.000161	0.015794	-	-	0.00215	0.000379	0.001407	0.002894	0.0007198	0.001291	0.0023415	0.0042941	0.002734	-	-	-	-	-	-	-	0.988642	0.526385
Ortho-phosphate dissolved	IND	A	5.6	54	51	3	4.73E-06	0.001156	3.39E-05	4.88E-05	0.00031	4.57E-05	0.00022	0.000399	5.72E-05	0.000149	0.0004919	0.0008911	0.000336	-	-	-	-	-	-	-	0.980256	0.328628
PCB-aroclor 1016	IND	C	100	9	0	9	-	-	8.55E-09	1.14E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1221	IND	C	100	9	0	9	-	-	8.55E-09	1.14E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1232	IND	C	100	9	0	9	-	-	8.55E-09	1.14E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1242	IND	C	100	9	0	9	-	-	8.55E-09	1.14E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1248	IND	C	100	9	0	9	-	-	8.55E-09	1.14E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PCB-aroclor 1254	IND	A	33.3	9	6	3	1.20E-08	1.26E-07	2.73E-08	5.69E-08	4.17E-08	1.35E-08	1.52E-08	6.83E-08	1.20E-08	2.82E-08	4.63E-08	-	4.06E-08	-	-	-	-	-	-	-	0.998959	0.08601
PCB-aroclor 1260	IND	B	77.8	9	2	7	2.72E-08	4.38E-08	8.55E-09	1.14E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.025347	
Pentachlorophenol	IND	C	90.9	55	5	50	2.93E-07	1.05E-06	1.77E-07	1.88E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.069903	
Phenanthrene	IND	A	31.2	64	44	20	3.44E-08	4.13E-06	5.91E-08	1.65E-06	3.57E-07	7.68E-08	2.07E-07	5.07E-07	6.57E-08	1.81E-07	2.95E-07	5.70E-07	6.14E-07	-	-	-	-	-	-	-	0.976423	0.014143
Prometon	IND	C	90	60	6	54	1.25E-06	3.35E-05	1.21E-08	1.69E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.203379	
Pyrene	IND	A	18.8	64	52	12	3.57E-08	9.56E-06	1.58E-07	1.65E-06	5.53E-07	1.58E-07	2.44E-07	8.62E-07	8.10E-08	2.41E-07	4.70E-07	9.77E-07	1.26E-06	-	-	-	-	-	-	-	0.981289	0.005505
Surfactants	IND	A	25	56	42	14	8.69E-05	0.002216	1.21E-05	0.0007043	0.000572	7.11E-05	0.000432	0.000711	0.0001268	0.000463	0.0008105	0.0012282	0.000532	-	-	-	-	-	-	-	0.995107	0.578589
Total Benzo(a)fluoranthenes	IND	B	71.4	63	18	45	3.35E-08	9.30E-06	1.17E-08	2.28E-06	-	-	-	-	-	-	-	-	-	3.14E-07	1.83E-08	3.32E-08	1.34E-07	5.61E-07	1.22E-06	0.986477	0.023269	
Total Kjeldahl Nitrogen	IND	A	1.9	53	52	1	0.000338	0.038745	0.0001257	0.0001257	0.008067	0.001105	0.005901	0.010233	0.0027081	0.0059	0.0109578	0.016114	0.008045	-	-	-	-	-	-	-	0.992964	0.614962
Total PAH	IND	A	15.9	63	53	10	5.91E-08	5.36E-05	1.58E-07	1.65E-06	3.20E-06	1.20E-06	8.53E-07	5.55E-06	3.09E-07	9.94E-07	2.01E-06	3.99E-06	9.52E-06	-	-	-	-	-	-	-	0.973726	0.004479
Total PCB	IND	A	33.3	9	6	3	1.20E-08	1.27E-07	2.73E-08	1.14E-07	5.01E-08	1.62E-08	1.83E-08	8.19E-08	1.20E-08	2.82E-08	5.98E-08	4.87E-08	-	-	-	-	-	-	-	-	0.984159	0.099453
Total Phosphorus	IND	A	2	51	50	1	6.64E-05	0.012553	0.0004189	0.0004189	0.0017	0.000277	0.001157	0.002243	0.000419	0.001111	0.0025889	0.0033801	0.00198	-	-	-	-	-	-	-	0.989306	0.311595
Total Phthalate	IND	A	19	63	51	12	9.66E-07	6.84E-05	1.40E-06	2.82E-05	1.14E-05	1.62E-06	8.20E-06	1.45E-05	3.78E-06	6.97E-06	1.48E-05	2.19E-05	1.28E-05	-	-	-	-	-	-	-	0.992954	0.361627
Total Suspended Solids	IND	A	0	62	62	0	0.012441	5.14011	-	-	0.51773	0.0999	0.32193	0.71353	0.113941	0.27206	0.6352771	0.971004	0.786612	-	-	-	-	-	-	-	0.992511	0.054922
Total TPHdx	IND	A	13	46	40	6	0.000635	0.02725	0.0005399	0.0055483	0.00654	0.001031	0.004519	0.008561	0.0020392	0.004213	0.0081988	0.018441	0.006994	-	-	-	-	-	-	-	0.976615	0.207204
Triclopyr	IND	C	94.3	53	3	50	7.81E-07	2.00E-06	4.73E-08	2.41E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.649682	
Zinc	IND	A	0	65	65	0	7.13E-05	0.005424	-	-	0.000907	0.000106	0.000699	0.001115	0.0003361	0.000691	0.0011726	0.0017297	0.000856	-	-	-	-	-	-	-	0.995745	0.421907
Zinc dissolved	IND	A	1.5	65	64	1	4.27E-05	0.001379	0.0004244	0.0004244	0.000331	3.49E-05	0.000262	0.000399	0.0001137	0.000244	0.0004185	0.0008029	0.000281	-	-	-	-	-	-	-	0.995476	0.896559
1-Methylnaphthalene	LDR	C	100	39	0	39	-	-	5.46E-08	5.19E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
2-Methylnaphthalene	LDR	C	100	104	0	104	-	-	1.88E-10	8.75E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
2,4-D	LDR	C	89.4	104	11	93	6.71E-08	1.65E-05	1.01E-08	2.59E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.873494	
Acenaphthene	LDR	C	99	104	1	103	1.90E-06	1.90E-06	1.88E-10	8.75E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.648878	
Acenaphthylene	LDR	C	100	104	0	104	-	-	1.88E-10	8.75E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Anthracene	LDR	C	95.2	104	5	99	2.07E-10	5.97E-07	1.95E-10	8.75E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.446373	
Arsenic dissolved	LDR	A	0	15	15	0	8.28E-09	2.76E-06	-	-	2.83E-07	1.79E-07	-6.85E-08	6.35E-07	2.37E-08	7.21E-08	2.59E-07	3.68E-07	6.95E-07	-	-	-	-	-	-	-	0.970991	0.361588
Benzo(a)anthracene	LDR	B	54.7	64	29	35	5.46E-10	3.23E-07	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	4.17E-08	6.88E-09	8.75E-09	2.95E-08	1.32E-07	7.59E-08	0.987084	0.282675	
Benzene	LDR	C	100	29	0	29	-	-	2.45E-07	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Benzo(a)pyrene	LDR	B	73.8	103	27	76	1.08E-09	4.17E-06	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	8.91E-08	8.72E-09	1.18E-08	1.22E-08	5.21E-08	4.64E-07	0.983197	0.208094	
Benzo(b)fluoranthene	LDR	C	83.9	93	15	78	1.19E-09	5.19E-06	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.265368	
Benzo(g,h,i)perylene	LDR	B	76.9	104	24	80	1.15E-09	1.04E-05	1.88E-10	8.75E-06	-	-	-	-	-	-	-	-	-	1.52E-07	4.99E-09	6.97E-09	7.27E-09	3.44E-08	1.06E-06	0.972539	0.657016	
Benzo(k)fluoranthene	LDR	C	82.8	93	16	77	6.89E-10	2.07E-05	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.237577	
Benzo(a)fluoranthenes, Total	LDR	A	0	11	11	0	2.80E-09	4.95E-07	-	-	1.06E-07	4.70E-08	1.36E-08	1.98E-07	1.61E-08	3.20E-08	1.22E-07	3.06E-07	1.56E-07	-	-	-	-	-	-	-	0.988266	1
Bis(2-ethylhexyl) phthalate	LDR	B	69.2	104	32	72	1.19E-07	5.52E-05	8.32E-09	5.19E-05	-	-	-	-	-	-	-	-	-	2.82E-06	6.64E-08	1.54E-07	6.57E-07	6.78E-06	8.18E-06	0.978503	0.035784	
BTEX	LDR	C	100	29	0	29	-	-	2.45E-07	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Butyl benzyl phthalate	LDR	C	80.8	104	20	84	2.97E-09	3.22E-06	9.73E-10	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.135087	
Cadmium	LDR	A	46.7	107	57	50	1.50E-09	3.63E-06	1.04E-09	8.02E-06	2.96E-07	6.18E-08	1.75E-07	4.17E-07	1.88E-09	5.19E-08	3.19E-07	7.59E-07	6.39E-07	-	-	-	-	-	-	-	0.978436	0.207412
Cadmium dissolved	LDR	B	54.2	107	49	58	6.34E-09	6.05E-06	9.41E-10	2.59E-06	-	-	-	-	-	-	-	-	-	1.59E-07	6.01E-09	1.31E-08	6.42E-08	3.37E-07	6.17E-07	0.989677	0.069485	
Calcium	LDR	A	0	68	68	0	5.59E-05	0.518707	-	-	0.04482	0.009509	0.026183	0.063457	0.0013044	0.012195	0.0554265	0.1145942	0.078411	-	-	-	-	-	-	-	0.975668	0.700614
Chloride	LDR	A	1	104	103	1	1.53E-05	0.321772	0.0016009	0.0016009	0.031619	0.00436	0.023074	0.040165	0.0029491	0.017093	0.0455322	0.0773639	0.044465	-	-	-	-	-	-	-	0.96944	0.012202
Chlorpyrifos	LDR	C	100																									

Parameter and matrix			Land use	Case	Data summary										Kaplan - Meier test (Case A parameters)										Regression on statistics (Case B parameters)								
					% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Seasonal Wilcoxon p-value				
LPAH	LDR	B	55	109	49	60	1.25E-09	3.98E-06	2.25E-09	8.75E-06	-	-	-	-	-	-	-	-	-	1.33E-07	1.42E-08	2.70E-08	5.68E-08	2.38E-07	4.42E-07	0.99291	0.104187						
Lube Oil	LDR	C	100	9	0	9	-	-	1.82E-05	8.10E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1						
Magnesium	LDR	A	0	68	68	0	1.34E-05	0.082993	-	-	0.007881	0.001564	0.004816	0.010946	0.0003234	0.003664	0.0089535	0.0202225	0.012895	-	-	-	-	-	-	0.97434	0.637542						
Malathion	LDR	C	99	104	1	103	2.86E-07	2.86E-07	9.03E-10	8.80E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.654721						
Mecoprop	LDR	C	95.2	104	5	99	1.04E-05	9.15E-05	1.01E-08	0.0002594	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.785276						
Mercury	LDR	C	97.1	35	1	34	3.79E-07	3.79E-07	9.41E-10	3.50E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.021947						
Mercury dissolved	LDR	C	97.1	35	1	34	3.79E-07	3.79E-07	9.41E-10	3.50E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.025347						
Naphthalene	LDR	B	66	103	35	68	2.45E-10	2.09E-06	1.95E-10	8.75E-06	-	-	-	-	-	-	-	-	-	9.98E-08	3.21E-09	7.24E-09	2.06E-08	2.56E-07	3.03E-07	0.982844	0.099624						
Nitrite-Nitrate dissolved	LDR	A	0	106	106	0	9.13E-06	0.207483	-	-	0.006062	0.002095	0.001955	0.010168	0.0001957	0.000503	0.0034245	0.0145602	0.021572	-	-	-	-	-	-	-	0.987754	0.370429					
Ortho-phosphate dissolved	LDR	A	1.9	106	104	2	9.64E-07	0.003527	2.13E-05	3.03E-05	0.000217	4.74E-05	0.000125	0.00031	2.15E-05	0.000111	0.0002264	0.0003527	0.000488	-	-	-	-	-	-	-	0.965782	0.524949					
p-Cresol	LDR	C	100	11	0	11	-	-	9.41E-10	1.40E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1						
Pentachlorophenol	LDR	C	82.5	103	18	85	1.11E-08	6.07E-06	1.88E-09	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.505514						
Phenanthrene	LDR	B	75	104	26	78	8.00E-10	2.91E-07	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	2.40E-08	6.00E-09	6.61E-09	8.30E-09	6.44E-08	5.05E-08	0.986577	0.282579						
Phenol	LDR	C	81.8	11	2	9	3.54E-08	4.16E-07	9.41E-10	1.14E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.492717						
Prometon	LDR	C	97.9	97	2	95	1.46E-07	1.49E-06	1.33E-09	5.19E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.558573						
Pyrene	LDR	B	68.3	104	33	71	2.28E-09	1.36E-06	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	7.67E-08	1.57E-08	2.16E-08	2.49E-08	1.44E-07	1.90E-07	0.991399	0.19604						
Surfactants	LDR	B	70.2	104	31	73	1.04E-06	0.002971	9.41E-07	0.0016803	-	-	-	-	-	-	-	-	-	0.000131	3.53E-06	5.12E-06	1.92E-05	0.000256	0.000431	0.985629	0.076737						
Toluene	LDR	C	100	29	0	29	-	-	2.45E-07	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1						
Total Benzofluoranthenes	LDR	B	75.2	109	27	82	1.88E-09	2.59E-05	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	3.49E-07	1.10E-08	1.31E-08	1.53E-08	7.52E-08	2.54E-06	0.964992	0.30124						
Total Kjeldahl Nitrogen	LDR	A	9.5	105	95	10	8.70E-06	0.086105	4.18E-05	0.0037982	0.004407	0.001099	0.002254	0.006561	0.0001812	0.001196	0.003488	0.0097458	0.011258	-	-	-	-	-	-	-	0.988529	0.226979					
Total PAH	LDR	A	46.8	109	58	51	8.43E-09	7.78E-05	2.45E-08	8.75E-06	1.44E-06	7.59E-07	-5.13E-08	2.92E-06	3.92E-08	1.07E-07	3.31E-07	1.61E-06	7.92E-06	-	-	-	-	-	-	-	0.967785	0.06842					
Total Phosphorus	LDR	A	0	105	105	0	2.32E-06	0.012229	-	-	0.000689	0.000154	0.000387	0.000992	6.39E-05	0.000253	0.0005175	0.0019492	0.001581	-	-	-	-	-	-	-	0.976709	0.875927					
Total Phthalate	LDR	A	31.2	109	75	34	3.33E-09	5.52E-05	1.22E-07	5.19E-05	3.44E-06	8.29E-07	1.82E-06	5.07E-06	1.10E-07	5.46E-07	1.86E-06	1.05E-05	8.65E-06	-	-	-	-	-	-	-	0.987228	0.013319					
Total Suspended Solids	LDR	A	1	99	98	1	0.000135	12.49532	0.0017129	0.0017129	0.294669	0.131369	0.037191	0.552147	0.0070222	0.035207	0.1188422	0.4293125	1.307105	-	-	-	-	-	-	-	0.995434	0.727623					
Total TPHDx	LDR	A	37.7	61	38	23	2.05E-05	0.016715	1.82E-05	0.0051871	0.001491	0.000328	0.000849	0.002134	2.36E-05	0.000864	0.0015379	0.0032789	0.002561	-	-	-	-	-	-	-	0.918877	0.541996					
Total Xylenes	LDR	C	100	29	0	29	-	-	2.45E-07	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1						
Triclopyr	LDR	C	82.5	97	17	80	2.54E-08	4.13E-05	1.22E-08	2.59E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.157831						
Zinc	LDR	A	1.9	104	102	2	2.42E-07	0.004679	7.33E-07	3.25E-06	0.000135	4.64E-05	4.44E-05	0.000226	4.53E-06	3.51E-05	0.0001095	0.0002642	0.000473	-	-	-	-	-	-	-	0.979412	0.363083					
Zinc dissolved	LDR	A	10	100	90	10	1.10E-07	0.002894	7.33E-07	2.93E-05	7.93E-05	3.02E-05	2.02E-05	0.000138	1.79E-06	9.90E-06	6.13E-05	0.0001553	0.000302	-	-	-	-	-	-	-	0.993331	0.550367					

Table I-6. Statistical summary of contaminant load per area (kg ha⁻¹) by parameter and season.

Parameter and matrix			Season			Case			Data summary								Kaplan - Meier test (Case A parameters)								Regression on statistics (Case B parameters)								Peto Prentice test (Land use significance)		
									% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df
1-Methylnaphthalene	dry	C	100	60	0	60	-	-	1.17E-08	8.37E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
2-Methylnaphthalene	dry	C	91.2	125	11	114	9.83E-09	2.67E-06	1.88E-10	8.37E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
2,4-D	dry	B	69.3	114	35	79	4.50E-08	7.08E-05	1.00E-08	1.67E-05	-	-	-	-	-	-	-	-	-	2.02E-06	2.11E-08	3.75E-08	3.57E-07	2.41E-06	9.35E-06	0.961414	-	-	-						
Acenaphthene	dry	C	94.4	125	7	118	6.84E-08	2.67E-06	1.88E-10	8.37E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Acenaphthylene	dry	C	95.2	125	6	119	1.37E-08	2.67E-06	1.88E-10	8.37E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Ammonia	dry	A	0	18	18	0	0.131E-05	0.006583	-	-	0.001211	0.000385	0.000457	0.001965	0.0001313	0.000658	0.0014555	0.0033628	0.001632	-	-	-	-	-	-	0.976832	0.002968	11.63946	2						
Anthracene	dry	C	86.4	125	17	108	2.07E-10	2.34E-05	2.65E-10	6.23E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Arsenic dissolved	dry	A	0	2	2	0	8.66E-09	7.21E-08	-	-	4.04E-08	3.17E-08	-2.18E-08	1.03E-07	8.66E-09	-	-	-	4.49E-08	-	-	-	-	-	-	-	-	-	-	-					
Benz(a)anthracene	dry	B	67	94	31	63	5.46E-10	0.000141	1.37E-09	6.23E-06	-	-	-	-	-	-	-	-	-	4.06E-06	1.52E-09	3.37E-09	4.47E-08	2.17E-06	2.08E-05	0.983079	-	-	-						
Benzene	dry	C	100	24	0	24	-	2.01E-07	1.38E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Benzo(a)pyrene	dry	B	73.6	125	33	92	1.08E-09	0.000166	2.36E-09	6.23E-06	-	-	-	-	-	-	-	-	-	3.72E-06	2.20E-09	2.82E-09	1.28E-08	2.60E-06	2.13E-05	0.975984	-	-	-						
Benzo(b)fluoranthene	dry	B	66.7	72	24	48	1.19E-09	0.000149	1.30E-09	2.63E-06	-	-	-	-	-	-	-	-	-	6.22E-06	2.36E-09	4.36E-09	3.08E-07	5.35E-06	2.57E-05	0.962551	-	-	-						
Benzo(b,k)fluoranthene	dry	B	75	24	6	18	7.57E-08	3.78E-07	1.23E-08	4.05E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Benzo(g,h,i)perylene	dry	B	63.2	125	46	79	1.17E-09	0.000131	1.88E-10	6.23E-06	-	-	-	-	-	-	-	-	-	3.03E-06	4.96E-09	8.79E-09	1.90E-07	1.76E-06	1.68E-05	0.978777	-	-	-						
Benzo(k)fluoranthene	dry	B	72.2	72	20	52	6.89E-10	0.000149	1.83E-09	2.63E-06	-	-	-	-	-	-	-	-	-	5.71E-06	1.48E-09	2.15E-09	4.70E-08	3.40E-06	2.52E-05	0.957758	-	-	-						
Benzoofluoranthenes, Total	dry	B	65.5	29	10	19	2.80E-09	1.62E-05	1.17E-08	1.25E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Bis(2-ethylhexyl) phthalate	dry	A	43.5	124	70	54	9.92E-08	0.000121	8.32E-09	8.42E-05	7.43E-06	1.41E-06	4.67E-06	1.02E-05	9.92E-08	2.29E-06	7.30E-06	1.72E-05	1.57E-05	-	-	-	-	-	-	0.973661	-	-	-	-					
BTEX	dry	C	100	24	0	24	-	2.01E-07	1.38E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Butyl benzyl phthalate	dry	C	84.8	125	19	106	2.97E-09	1.28E-05	1.37E-09	2.63E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Cadmium	dry	A	19.5	123	99	24	1.50E-09	3.02E-05	1.03E-08	6.07E-06	1.58E-06	3.29E-07	9.32E-07	2.22E-06	8.88E-08	4.75E-07	1.59E-06	3.27E-06	3.65E-06	-	-	-	-	-	-	0.99804	6.72E-08	36.22238	3						
Cadmium dissolved	dry	A	41.3	121	71	50	8.09E-09	5.25E-06	9.41E-10	2.02E-06	2.89E-07	5.38E-08	1.83E-07	3.94E-07	1.19E-08	9.81E-08	3.33E-07	7.44E-07	5.92E-07	-	-	-	-	-	-	0.991119	1.14E-08	39.86603	3						
Calcium	dry	A	0	73	73	0	5.63E-05	0.25104	-	-	0.034148	0.005769	0.022841	0.045455	0.0050132	0.016367	0.0403656	0.1080552	0.049289	-	-	-	-	-	-	0.987991	3.01E-06	28.38696	3						
Calcium dissolved	dry	A	0	2	2	0	0.02347	0.027469	-	-	0.025469	0.001999	0.02155	0.029388	0.0234697	-	-	-	0.002828	-	-	-	-	-	-	-	-	-	-	-					
Chloride	dry	A	4.7	107	102	5	1.53E-05	13.27358	0.0001604	0.0016009	0.13997	0.123951	-0.102969	0.382909	0.0016861	0.008443	0.0219345	0.0428416	1.282155	-	-	-	-	-	-	0.996145	0.001641	15.2161	3						
Chlorpyrifos	dry	C	99.2	122	1	121	1.45E-07	1.45E-07	6.40E-10	7.90E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Chrysene	dry	B	64.8	125	44	81	1.03E-09	0.000184	2.14E-09	6.23E-06	-	-	-	-	-	-	-	-	-	4.24E-06	2.91E-09	5.78E-09	1.26E-07	2.36E-06	2.38E-05	0.975639	-	-	-						
Copper	dry	A	2.5	122	119	3	1.13E-07	0.00092	1.38E-07	1.60E-07	0.000128	1.73E-05	9.39E-05	0.000162	1.09E-05	4.52E-05	0.000158	0.0003973	0.000191	-	-	-	-	-	-	0.993784	2.08E-10	48.04954	3						
Copper dissolved	dry	A	2.7	111	108	3	7.34E-08	0.00035	1.38E-07	1.60E-07	5.27E-05	6.91E-06	3.91E-05	6.62E-05	7.10E-06	2.15E-05	6.00E-05	0.0001686	7.28E-05	-	-	-	-	-	-	0.991561	6.13E-11	50.53946	3						
CPAH	dry	B	59.2	125	51	74	4.39E-09	0.000956	2.36E-09	6.23E-06	-	-	-	-	-	-	-	-	-	2.18E-05	4.27E-09	9.05E-09	8.60E-07	1.11E-05	0.000124	0.97383	-	-	-						
Di-N-Octyl Phthalate	dry	C	91.2	125	11	114	2.97E-08	3.54E-05	4.71E-10	2.63E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Diazinon	dry	C	99.2	122	1	121	1.71E-07	1.71E-07	8.09E-10	6.70E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Dibenz(a,h)anthracene	dry	B	79.2	125	26	99	4.45E-09	4.52E-05	1.88E-10	6.23E-06	-	-	-	-	-	-	-	-	-	1.11E-06	1.27E-09	1.58E-09	2.76E-09	9.49E-07	5.87E-06	0.95983	-	-	-						
Dibutyl phthalate	dry	B	71.2	125	36	89	8.85E-10	5.58E-06	1.75E-09	2.63E-05	-	-	-	-	-	-	-	-	-	4.65E-07	6.40E-08	1.05E-07	2.78E-07	1.41E-06	9.13E-07	0.988141	-	-	-						
Dichobenzil	dry	B	58.5	118	49	69	9.48E-09	2.95E-06	1.33E-09	1.98E-05	-	-	-	-	-	-	-	-	-	2.59E-07	2.22E-08	5.02E-08	1.94E-07	4.99E-07	5.57E-07	0.988659	-	-	-						
Diesel Fuel	dry	A	43.8	16	9	7	0.000916	0.026799	0.0001048	0.0026336	0.004464	0.001858	0.000824	0.008105	0.001154	0.0026674	0.0170755	0.00743	-	-	-	-	-	-	-	0.982521	-	-	-						
Diesel Range Organics	dry	A	11.9	59	52	7	8.36E-05	0.026799	3.92E-05	0.0012149	0.003048	0.000631	0.001811	0.004285	0.0003509	0.000963	0.0039505	0.0090899	0.004849	-	-	-	-	-	-	0.992628	1.57E-06	29.72969	3						
Diethyl phthalate	dry	B	69.6	125	38	87	5.91E-09	1.82E-05	1.17E-07	2.63E-05	-	-	-	-	-	-	-	-	-	5.76E-07	1.25E-07	1.68E-07	2.43E-07	8.87E-07	1.89E-06	0.986378	-	-	-						
Dimethyl phthalate	dry	C	85.6	125	18	107	5.34E-09	1.46E-05	6.78E-10	2.63E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Ethylbenzene	dry	C	100	24	0	24	-	2.01E-07	1.38E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Fluoranthene	dry	B	51.2	125	61	64	4.26E-09	0.000352	1.88E-10	6.23E-06	-	-	-	-	-	-	-	-	-	7.86E-06	1.45E-08	3.22E-08	3.56E-07	4.63E-06	4.51E-05	0.985741	-	-	-						
Fluorene	dry	C	92																																

Parameter and matrix			Season Case			Data summary								Kaplan - Meier test (Case A parameters)								Regression on statistics (Case B parameters)								Peto Prentice test (Land use significance)		
						% censored	n	# detects	# nondetects	minimum	maximum	minimum nondetect	maximum nondetect	KM mean	KM mean SE	KM mean 95LCL	KM mean 95UCL	KM 25th percentile	KM median	KM 75th percentile	KM 90th percentile	KM SD	ROS mean	ROS 25th percentile	ROS median	ROS 75th percentile	ROS 90th percentile	ROS SD	ROS r-statistic	Peto Prentice p-value	Peto Prentice chisq	Peto Prentice df
PCB-aroclor 1242	wet	C	100	21	0	21	-	-	1.18E-09	2.80E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PCB-aroclor 1248	wet	C	95.2	21	1	20	7.73E-08	7.73E-08	1.18E-09	6.48E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PCB-aroclor 1254	wet	B	52.4	21	10	11	1.20E-08	1.34E-06	1.18E-09	5.69E-08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.985217	-	-	-		
PCB-aroclor 1260	wet	B	71.4	21	6	15	1.05E-08	8.79E-07	1.18E-09	2.09E-07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.984344	-	-	-		
Pentachlorophenol	wet	B	75.1	457	114	343	2.11E-08	5.75E-05	1.95E-09	5.19E-05	-	-	-	-	-	-	-	-	-	-	9.83E-07	3.83E-08	7.51E-08	1.31E-07	2.16E-06	3.85E-06	0.996958	-	-	-		
Phenanthrene	wet	A	46.1	490	264	226	1.42E-09	0.000101	1.31E-09	8.75E-06	1.72E-06	4.53E-07	8.31E-07	2.61E-06	2.82E-08	1.20E-07	3.87E-07	1.71E-06	1.00E-05	-	-	-	-	-	-	0.99496	5.97E-36	166.8914	3			
Phenol	wet	B	61.9	21	8	13	3.54E-08	3.27E-06	9.73E-10	1.55E-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.928729	-	-	-		
Prometon	wet	C	96.7	451	15	436	1.71E-08	3.35E-05	1.39E-09	3.17E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Pyrene	wet	A	33.1	490	328	162	3.44E-09	0.000165	1.31E-09	8.75E-06	2.93E-06	7.16E-07	1.53E-06	4.33E-06	5.71E-08	2.38E-07	9.77E-07	3.44E-06	1.59E-05	-	-	-	-	-	-	0.994305	1.16E-47	221.0979	3			
Surfactants	wet	A	37.8	474	295	179	1.04E-06	0.02128	2.12E-06	0.0027861	0.000474	5.70E-05	0.000362	0.000586	2.77E-05	0.000164	0.000493	0.0011128	0.001242	-	-	-	-	-	-	0.989516	3.61E-26	121.5324	3			
Toluene	wet	C	95.3	64	3	61	2.20E-06	1.15E-05	2.86E-07	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total Benzofluoranthenes	wet	B	60.3	494	196	298	3.94E-09	0.000165	1.31E-09	8.75E-06	-	-	-	-	-	-	-	-	-	-	2.67E-06	1.39E-08	2.93E-08	3.12E-07	2.63E-06	1.44E-05	0.988967	-	-	-		
Total Kjeldahl Nitrogen	wet	A	10.8	453	404	49	8.70E-06	0.257083	9.27E-05	0.0221156	0.007951	0.000768	0.006447	0.009456	0.0010621	0.003234	0.0095625	0.0186485	0.016338	-	-	-	-	-	-	0.99729	1.45E-17	81.51769	3			
Total PAH	wet	A	24.5	494	373	121	1.84E-08	0.001096	9.17E-09	8.75E-06	1.81E-05	4.53E-06	9.19E-06	2.69E-05	1.54E-07	8.05E-07	4.12E-06	1.77E-05	0.000101	-	-	-	-	-	-	0.994046	9.36E-40	184.5106	3			
Total PCB	wet	A	47.6	21	11	10	1.05E-08	2.22E-06	1.18E-09	1.14E-07	2.31E-07	1.19E-07	-9.88E-10	4.64E-07	-	1.20E-08	1.42E-07	4.42E-07	5.43E-07	-	-	-	-	-	-	0.988582	8.71E-07	27.90672	2			
Total Phosphorus	wet	A	3.8	452	435	17	2.32E-06	0.012553	2.70E-06	0.0008413	0.001159	8.89E-05	0.000985	0.001333	0.0001389	0.000466	0.0013351	0.0028312	0.00189	-	-	-	-	-	-	0.996574	7.47E-19	87.51932	3			
Total Phthalate	wet	A	21.1	494	390	104	3.33E-09	0.000867	1.84E-07	5.57E-05	1.88E-05	2.49E-06	1.39E-05	2.37E-05	9.34E-07	5.22E-06	1.59E-05	4.31E-05	5.53E-05	-	-	-	-	-	-	0.994139	5.35E-36	167.1103	3			
Total Suspended Solids	wet	A	0.2	470	469	1	0.000228	12.49532	0.0017129	0.0017129	0.506817	0.05017	0.408486	0.605149	0.0412067	0.15215	0.4897864	1.2262061	1.087664	-	-	-	-	-	-	0.997143	6.23E-25	115.7873	3			
Total TPHDx	wet	A	21.5	326	256	70	2.05E-05	0.136605	1.82E-05	0.0107797	0.007801	0.000895	0.006047	0.009554	0.0005074	0.001916	0.0081988	0.0195968	0.016158	-	-	-	-	-	-	0.991173	2.81E-26	122.0339	3			
Total Xylenes	wet	C	98.4	64	1	63	9.61E-06	9.61E-06	2.86E-07	5.19E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TPHGx	wet	C	100	14	0	14	-	-	3.43E-05	0.0006088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Triclopyr	wet	C	90.2	427	42	385	7.37E-09	4.13E-05	9.44E-09	3.61E-05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Zinc	wet	A	0.4	493	491	2	2.42E-07	0.005782	7.33E-07	3.25E-06	0.00061	3.81E-05	0.000535	0.000685	7.13E-05	0.000312	0.0007699	0.0015404	0.000846	-	-	-	-	-	-	0.99589	1.69E-56	261.9653	3			
Zinc dissolved	wet	A	2.5	477	465	12	1.64E-07	0.002894	7.33E-07	0.0004244	0.00024	1.45E-05	0.000212	0.000269	2.96E-05	0.000133	0.0003192	0.0006489	0.000317	-	-	-	-	-	-	0.994293	4.49E-43	199.876	3			