Table A-1
Anthropogenic Background Data Set

Research Lead	Sample Name	Sampling Method	Chemical	Value	Unit	Detected
USGS	201501061230SS	Centrifuge	1,2,3,7,8-PeCDD	0.252	ng/kg fines norm	Yes
USGS	201501081130SS	Centrifuge	1,2,3,7,8-PeCDD	0.319	ng/kg fines norm	Yes
USGS	201501052200SS	Centrifuge	1,2,3,7,8-PeCDD	0.371	ng/kg fines norm	Yes
USGS	201411260930SS	Centrifuge	1,2,3,7,8-PeCDD	0.372	ng/kg fines norm	Yes
USGS	201703141130SS	Centrifuge	1,2,3,7,8-PeCDD	0.379	ng/kg fines norm	Yes
USGS	201412221230SS	Centrifuge	1,2,3,7,8-PeCDD	0.435	ng/kg fines norm	Yes
USGS	201403061400SS	Centrifuge	1,2,3,7,8-PeCDD	0.447	ng/kg fines norm	Yes
USGS	201302070930SS	Centrifuge	1,2,3,7,8-PeCDD	0.474	ng/kg fines norm	Yes
USGS	201402141230SS	Centrifuge	1,2,3,7,8-PeCDD	0.555	ng/kg fines norm	Yes
ECY	8414183-Centrifuge_Sediment	Centrifuge	1,2,3,7,8-PeCDD	0.573	ng/kg fines norm	No
USGS	201609271130SS	Centrifuge	1,2,3,7,8-PeCDD	0.623	ng/kg fines norm	Yes
ECY	8474280-Centrifuge_Sediment	Centrifuge	1,2,3,7,8-PeCDD	0.632	ng/kg fines norm	No
KC	L58537-2	Filter Solids	1,2,3,7,8-PeCDD	0.632	ng/kg fines norm	Yes
USGS	201411251300SS	Centrifuge	1,2,3,7,8-PeCDD	0.643	ng/kg fines norm	Yes
USGS	201404151500SS	Centrifuge	1,2,3,7,8-PeCDD	0.651	ng/kg fines norm	Yes
ECY	0901022-16-Centrifuge_Sediment	Centrifuge	1,2,3,7,8-PeCDD	0.653	ng/kg fines norm	No
ECY	8514030-Centrifuge_Sediment	Centrifuge	1,2,3,7,8-PeCDD	0.664	ng/kg fines norm	No
KC	L59919-1	Filter Solids	1,2,3,7,8-PeCDD	0.664	ng/kg fines norm	Yes
KC	L61568-1	Filter Solids	1,2,3,7,8-PeCDD	0.719	ng/kg fines norm	No
USGS	201303131400SS	Centrifuge	1,2,3,7,8-PeCDD	0.774	ng/kg fines norm	Yes
USGS	201410261000SS	Centrifuge	1,2,3,7,8-PeCDD	0.816	ng/kg fines norm	Yes
KC	L63181-1	Filter Solids	1,2,3,7,8-PeCDD	0.847	ng/kg fines norm	No
USGS	201304051100SS	Centrifuge	1,2,3,7,8-PeCDD	0.946	ng/kg fines norm	Yes
USGS	201608301200SS	Centrifuge	1,2,3,7,8-PeCDD	0.948	ng/kg fines norm	Yes
USGS	201609170900SS	Centrifuge	1,2,3,7,8-PeCDD	0.955	ng/kg fines norm	Yes
KC	L64265-1	Filter Solids	1,2,3,7,8-PeCDD	0.984	ng/kg fines norm	Yes
USGS	201406091430SS	Centrifuge	1,2,3,7,8-PeCDD	1.03	ng/kg fines norm	Yes
KC	L57792-1	Filter Solids	1,2,3,7,8-PeCDD	1.21	ng/kg fines norm	No
USGS	201410081100SS	Centrifuge	1,2,3,7,8-PeCDD	1.23	ng/kg fines norm	Yes
KC	L57732-1	Filter Solids	1,2,3,7,8-PeCDD	1.38	ng/kg fines norm	Yes
USGS	201401111230SS	Centrifuge	1,2,3,7,8-PeCDD	1.40	ng/kg fines norm	Yes
USGS	201502051430SS	Centrifuge	1,2,3,7,8-PeCDD	1.50	ng/kg fines norm	Yes
USGS	201701111030SS	Centrifuge	1,2,3,7,8-PeCDD	1.57	ng/kg fines norm	Yes
KC	L63858-1	Filter Solids	1,2,3,7,8-PeCDD	1.78	ng/kg fines norm	Yes
USGS	201411201030SS	Centrifuge	1,2,3,7,8-PeCDD	1.88	ng/kg fines norm	Yes
USGS	201410231430SS	Centrifuge	1,2,3,7,8-PeCDD	1.90	ng/kg fines norm	Yes
USGS	201304081300SS	Centrifuge	1,2,3,7,8-PeCDD	1.92	ng/kg fines norm	Yes

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USGS	2017030711 30SS	Centrifuge	1,2,3,7,8-PeCDD	2.02	ng/kg fines norm	Yes
USGS	201502261330SS	Centrifuge	1,2,3,7,8-PeCDD	2.06	ng/kg fines norm	Yes
USGS	201612201200SS	Centrifuge	1,2,3,7,8-PeCDD	2.12	ng/kg fines norm	Yes
USGS	201703031030SS	Centrifuge	1,2,3,7,8-PeCDD	2.42	ng/kg fines norm	Yes
USGS	201610131130SS	Centrifuge	1,2,3,7,8-PeCDD	2.46	ng/kg fines norm	Yes
USGS	201402181230SS	Centrifuge	1,2,3,7,8-PeCDD	2.66	ng/kg fines norm	Yes
ECY	8404073-Centrifuge_Sediment	Centrifuge	1,2,3,7,8-PeCDD	2.67	ng/kg fines norm	Yes
USGS	201610070930SS	Centrifuge	1,2,3,7,8-PeCDD	2.76	ng/kg fines norm	Yes
KC	L57634-1	Filter Solids	1,2,3,7,8-PeCDD	2.96	ng/kg fines norm	No
USGS	201410221300SS	Centrifuge	1,2,3,7,8-PeCDD	3.20	ng/kg fines norm	Yes
ECY	8354130-Centrifuge_Sediment	Centrifuge	1,2,3,7,8-PeCDD	3.55	ng/kg fines norm	Yes
USGS	201409241230SS	Centrifuge	1,2,3,7,8-PeCDD	3.80	ng/kg fines norm	Yes
USGS	201407231230SS	Centrifuge	1,2,3,7,8-PeCDD	4.29	ng/kg fines norm	Yes
USGS	201701181330SS	Centrifuge	1,2,3,7,8-PeCDD	4.65	ng/kg fines norm	Yes
USGS	201702091145SS	Centrifuge	1,2,3,7,8-PeCDD	4.77	ng/kg fines norm	Yes
USGS	201410311100SS	Centrifuge	1,2,3,7,8-PeCDD	6.40	ng/kg fines norm	Yes
KC	L57495-1	Filter Solids	1,2,3,7,8-PeCDD	7.83	ng/kg fines norm	Yes
USGS	201501081130SS	Centrifuge	2,3,4,7,8-PeCDF	0.111	ng/kg fines norm	Yes
USGS	201501061230SS	Centrifuge	2,3,4,7,8-PeCDF	0.206	ng/kg fines norm	Yes
USGS	201501052200SS	Centrifuge	2,3,4,7,8-PeCDF	0.210	ng/kg fines norm	Yes
USGS	201412221230SS	Centrifuge	2,3,4,7,8-PeCDF	0.225	ng/kg fines norm	Yes
USGS	2017031411 30SS	Centrifuge	2,3,4,7,8-PeCDF	0.231	ng/kg fines norm	Yes
USGS	201302070930SS	Centrifuge	2,3,4,7,8-PeCDF	0.292	ng/kg fines norm	Yes
USGS	201411260930SS	Centrifuge	2,3,4,7,8-PeCDF	0.301	ng/kg fines norm	Yes
USGS	2016092711 30SS	Centrifuge	2,3,4,7,8-PeCDF	0.316	ng/kg fines norm	Yes
USGS	201402141230SS	Centrifuge	2,3,4,7,8-PeCDF	0.321	ng/kg fines norm	Yes
USGS	201403061400SS	Centrifuge	2,3,4,7,8-PeCDF	0.331	ng/kg fines norm	Yes
USGS	201404151500SS	Centrifuge	2,3,4,7,8-PeCDF	0.374	ng/kg fines norm	Yes
USGS	201411251300SS	Centrifuge	2,3,4,7,8-PeCDF	0.391	ng/kg fines norm	Yes
KC	L59919-1	Filter Solids	2,3,4,7,8-PeCDF	0.410	ng/kg fines norm	Yes
USGS	201406091430SS	Centrifuge	2,3,4,7,8-PeCDF	0.446	ng/kg fines norm	Yes
USGS	201303131400SS	Centrifuge	2,3,4,7,8-PeCDF	0.456	ng/kg fines norm	Yes
USGS	201608301200SS	Centrifuge	2,3,4,7,8-PeCDF	0.481	ng/kg fines norm	Yes
KC	L58537-2	Filter Solids	2,3,4,7,8-PeCDF	0.533	ng/kg fines norm	No
USGS	201410261000SS	Centrifuge	2,3,4,7,8-PeCDF	0.552	ng/kg fines norm	Yes
KC	L64265-1	Filter Solids	2,3,4,7,8-PeCDF	0.557	ng/kg fines norm	Yes
USGS	201304051100SS	Centrifuge	2,3,4,7,8-PeCDF	0.564	ng/kg fines norm	Yes
ECY	8414183-Centrifuge_Sediment	Centrifuge	2,3,4,7,8-PeCDF	0.596	ng/kg fines norm	Yes
ECY	8474280-Centrifuge_Sediment	Centrifuge	2,3,4,7,8-PeCDF	0.632	ng/kg fines norm	No

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ECY	0901022-16-Centrifuge_Sediment	Centrifuge	2,3,4,7,8-PeCDF	0.653	ng/kg fines norm	No
USGS	201401111230SS	Centrifuge	2,3,4,7,8-PeCDF	0.653	ng/kg fines norm	Yes
ECY	8514030-Centrifuge_Sediment	Centrifuge	2,3,4,7,8-PeCDF	0.664	ng/kg fines norm	No
USGS	201502051430SS	Centrifuge	2,3,4,7,8-PeCDF	0.713	ng/kg fines norm	Yes
KC	L63181-1	Filter Solids	2,3,4,7,8-PeCDF	0.749	ng/kg fines norm	Yes
ECY	8404073-Centrifuge_Sediment	Centrifuge	2,3,4,7,8-PeCDF	0.809	ng/kg fines norm	Yes
USGS	201411201030SS	Centrifuge	2,3,4,7,8-PeCDF	0.861	ng/kg fines norm	Yes
USGS	201701111030SS	Centrifuge	2,3,4,7,8-PeCDF	0.911	ng/kg fines norm	Yes
KC	L63858-1	Filter Solids	2,3,4,7,8-PeCDF	0.917	ng/kg fines norm	Yes
USGS	201609170900SS	Centrifuge	2,3,4,7,8-PeCDF	0.924	ng/kg fines norm	Yes
USGS	201304081300SS	Centrifuge	2,3,4,7,8-PeCDF	0.991	ng/kg fines norm	Yes
KC	L57634-1	Filter Solids	2,3,4,7,8-PeCDF	1.00	ng/kg fines norm	No
USGS	201410311100SS	Centrifuge	2,3,4,7,8-PeCDF	1.07	ng/kg fines norm	Yes
USGS	201410231430SS	Centrifuge	2,3,4,7,8-PeCDF	1.10	ng/kg fines norm	Yes
USGS	201410081100SS	Centrifuge	2,3,4,7,8-PeCDF	1.10	ng/kg fines norm	Yes
KC	L57732-1	Filter Solids	2,3,4,7,8-PeCDF	1.12	ng/kg fines norm	No
USGS	201703031030SS	Centrifuge	2,3,4,7,8-PeCDF	1.15	ng/kg fines norm	Yes
USGS	201610131130SS	Centrifuge	2,3,4,7,8-PeCDF	1.20	ng/kg fines norm	Yes
USGS	201502261330SS	Centrifuge	2,3,4,7,8-PeCDF	1.39	ng/kg fines norm	Yes
USGS	201612201200SS	Centrifuge	2,3,4,7,8-PeCDF	1.45	ng/kg fines norm	Yes
USGS	201402181230SS	Centrifuge	2,3,4,7,8-PeCDF	1.49	ng/kg fines norm	Yes
USGS	201703071130SS	Centrifuge	2,3,4,7,8-PeCDF	1.49	ng/kg fines norm	Yes
KC	L61568-1	Filter Solids	2,3,4,7,8-PeCDF	1.54	ng/kg fines norm	No
KC	L57792-1	Filter Solids	2,3,4,7,8-PeCDF	1.61	ng/kg fines norm	No
ECY	8354130-Centrifuge_Sediment	Centrifuge	2,3,4,7,8-PeCDF	1.77	ng/kg fines norm	Yes
USGS	201610070930SS	Centrifuge	2,3,4,7,8-PeCDF	1.96	ng/kg fines norm	Yes
USGS	201410221300SS	Centrifuge	2,3,4,7,8-PeCDF	2.23	ng/kg fines norm	Yes
USGS	201702091145SS	Centrifuge	2,3,4,7,8-PeCDF	2.92	ng/kg fines norm	Yes
USGS	201409241230SS	Centrifuge	2,3,4,7,8-PeCDF	3.00	ng/kg fines norm	Yes
USGS	201407231230SS	Centrifuge	2,3,4,7,8-PeCDF	3.14	ng/kg fines norm	Yes
USGS	201701181330SS	Centrifuge	2,3,4,7,8-PeCDF	3.16	ng/kg fines norm	Yes
KC	L57495-1	Filter Solids	2,3,4,7,8-PeCDF	7.52	ng/kg fines norm	No
KC	L61568-1	Filter Solids	2,3,7,8-TCDD	0.0423	ng/kg fines norm	No
USGS	201302070930SS	Centrifuge	2,3,7,8-TCDD	0.200	ng/kg fines norm	Yes
USGS	201501081130SS	Centrifuge	2,3,7,8-TCDD	0.206	ng/kg fines norm	Yes
USGS	201411260930SS	Centrifuge	2,3,7,8-TCDD	0.213	ng/kg fines norm	Yes
USGS	201412221230SS	Centrifuge	2,3,7,8-TCDD	0.222	ng/kg fines norm	Yes
USGS	201501052200SS	Centrifuge	2,3,7,8-TCDD	0.238	ng/kg fines norm	Yes
ECY	0901022-16-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDD	0.261	ng/kg fines norm	No

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ECY	8514030-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDD	0.265	ng/kg fines norm	No
USGS	201703141130SS	Centrifuge	2,3,7,8-TCDD	0.280	ng/kg fines norm	Yes
USGS	201411251300SS	Centrifuge	2,3,7,8-TCDD	0.294	ng/kg fines norm	Yes
USGS	201608301200SS	Centrifuge	2,3,7,8-TCDD	0.310	ng/kg fines norm	No
USGS	201403061400SS	Centrifuge	2,3,7,8-TCDD	0.310	ng/kg fines norm	Yes
KC	L58537-2	Filter Solids	2,3,7,8-TCDD	0.314	ng/kg fines norm	Yes
USGS	201304051100SS	Centrifuge	2,3,7,8-TCDD	0.315	ng/kg fines norm	No
USGS	201501061230SS	Centrifuge	2,3,7,8-TCDD	0.317	ng/kg fines norm	Yes
KC	L63181-1	Filter Solids	2,3,7,8-TCDD	0.319	ng/kg fines norm	No
KC	L63858-1	Filter Solids	2,3,7,8-TCDD	0.320	ng/kg fines norm	No
USGS	201402141230SS	Centrifuge	2,3,7,8-TCDD	0.323	ng/kg fines norm	Yes
USGS	201410261000SS	Centrifuge	2,3,7,8-TCDD	0.330	ng/kg fines norm	Yes
USGS	201303131400SS	Centrifuge	2,3,7,8-TCDD	0.333	ng/kg fines norm	Yes
KC	L59919-1	Filter Solids	2,3,7,8-TCDD	0.339	ng/kg fines norm	Yes
USGS	201404151500SS	Centrifuge	2,3,7,8-TCDD	0.349	ng/kg fines norm	Yes
USGS	201502051430SS	Centrifuge	2,3,7,8-TCDD	0.382	ng/kg fines norm	Yes
USGS	201401111230SS	Centrifuge	2,3,7,8-TCDD	0.383	ng/kg fines norm	Yes
KC	L64265-1	Filter Solids	2,3,7,8-TCDD	0.388	ng/kg fines norm	No
USGS	201609271130SS	Centrifuge	2,3,7,8-TCDD	0.392	ng/kg fines norm	Yes
USGS	201612201200SS	Centrifuge	2,3,7,8-TCDD	0.404	ng/kg fines norm	No
USGS	201406091430SS	Centrifuge	2,3,7,8-TCDD	0.407	ng/kg fines norm	Yes
KC	L57732-1	Filter Solids	2,3,7,8-TCDD	0.461	ng/kg fines norm	No
USGS	201609170900SS	Centrifuge	2,3,7,8-TCDD	0.488	ng/kg fines norm	Yes
USGS	201411201030SS	Centrifuge	2,3,7,8-TCDD	0.496	ng/kg fines norm	Yes
USGS	201410231430SS	Centrifuge	2,3,7,8-TCDD	0.528	ng/kg fines norm	Yes
USGS	201703031030SS	Centrifuge	2,3,7,8-TCDD	0.548	ng/kg fines norm	Yes
USGS	201304081300SS	Centrifuge	2,3,7,8-TCDD	0.591	ng/kg fines norm	Yes
USGS	201701111030SS	Centrifuge	2,3,7,8-TCDD	0.629	ng/kg fines norm	Yes
USGS	201410081100SS	Centrifuge	2,3,7,8-TCDD	0.639	ng/kg fines norm	Yes
USGS	201610131130SS	Centrifuge	2,3,7,8-TCDD	0.660	ng/kg fines norm	Yes
USGS	201402181230SS	Centrifuge	2,3,7,8-TCDD	0.682	ng/kg fines norm	Yes
USGS	201502261330SS	Centrifuge	2,3,7,8-TCDD	0.690	ng/kg fines norm	Yes
USGS	201703071130SS	Centrifuge	2,3,7,8-TCDD	0.804	ng/kg fines norm	Yes
USGS	201702091145SS	Centrifuge	2,3,7,8-TCDD	0.927	ng/kg fines norm	Yes
KC	L57634-1	Filter Solids	2,3,7,8-TCDD	0.929	ng/kg fines norm	No
ECY	8474280-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDD	0.973	ng/kg fines norm	Yes
USGS	201610070930SS	Centrifuge	2,3,7,8-TCDD	1.02	ng/kg fines norm	Yes
USGS	201410311100SS	Centrifuge	2,3,7,8-TCDD	1.15	ng/kg fines norm	Yes
USGS	201407231230SS	Centrifuge	2,3,7,8-TCDD	1.15	ng/kg fines norm	Yes

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ECY	8404073-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDD	1.30	ng/kg fines norm	Yes
USGS	201701181330SS	Centrifuge	2,3,7,8-TCDD	1.32	ng/kg fines norm	Yes
USGS	201410221300SS	Centrifuge	2,3,7,8-TCDD	1.35	ng/kg fines norm	Yes
USGS	201409241230SS	Centrifuge	2,3,7,8-TCDD	1.54	ng/kg fines norm	Yes
KC	L57792-1	Filter Solids	2,3,7,8-TCDD	1.60	ng/kg fines norm	Yes
ECY	8354130-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDD	1.75	ng/kg fines norm	Yes
ECY	8414183-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDD	1.93	ng/kg fines norm	Yes
KC	L57495-1	Filter Solids	2,3,7,8-TCDD	2.53	ng/kg fines norm	No
USGS	201501081130SS	Centrifuge	2,3,7,8-TCDF	0.100	ng/kg fines norm	Yes
USGS	201501061230SS	Centrifuge	2,3,7,8-TCDF	0.119	ng/kg fines norm	Yes
USGS	201412221230SS	Centrifuge	2,3,7,8-TCDF	0.134	ng/kg fines norm	Yes
USGS	201501052200SS	Centrifuge	2,3,7,8-TCDF	0.149	ng/kg fines norm	Yes
USGS	201411260930SS	Centrifuge	2,3,7,8-TCDF	0.185	ng/kg fines norm	Yes
USGS	201703141130SS	Centrifuge	2,3,7,8-TCDF	0.196	ng/kg fines norm	Yes
ECY	8404073-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDF	0.228	ng/kg fines norm	No
USGS	201302070930SS	Centrifuge	2,3,7,8-TCDF	0.251	ng/kg fines norm	Yes
ECY	8514030-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDF	0.265	ng/kg fines norm	No
USGS	201403061400SS	Centrifuge	2,3,7,8-TCDF	0.278	ng/kg fines norm	Yes
USGS	201402141230SS	Centrifuge	2,3,7,8-TCDF	0.288	ng/kg fines norm	Yes
USGS	201411251300SS	Centrifuge	2,3,7,8-TCDF	0.293	ng/kg fines norm	Yes
ECY	8474280-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDF	0.316	ng/kg fines norm	Yes
USGS	201410261000SS	Centrifuge	2,3,7,8-TCDF	0.323	ng/kg fines norm	Yes
USGS	201404151500SS	Centrifuge	2,3,7,8-TCDF	0.386	ng/kg fines norm	Yes
USGS	201304051100SS	Centrifuge	2,3,7,8-TCDF	0.387	ng/kg fines norm	Yes
KC	L59919-1	Filter Solids	2,3,7,8-TCDF	0.417	ng/kg fines norm	Yes
KC	L64265-1	Filter Solids	2,3,7,8-TCDF	0.431	ng/kg fines norm	Yes
USGS	201303131400SS	Centrifuge	2,3,7,8-TCDF	0.433	ng/kg fines norm	Yes
USGS	201609271130SS	Centrifuge	2,3,7,8-TCDF	0.455	ng/kg fines norm	Yes
ECY	0901022-16-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDF	0.562	ng/kg fines norm	Yes
USGS	201608301200SS	Centrifuge	2,3,7,8-TCDF	0.570	ng/kg fines norm	Yes
USGS	201401111230SS	Centrifuge	2,3,7,8-TCDF	0.587	ng/kg fines norm	Yes
KC	L58537-2	Filter Solids	2,3,7,8-TCDF	0.588	ng/kg fines norm	Yes
USGS	201701111030SS	Centrifuge	2,3,7,8-TCDF	0.736	ng/kg fines norm	Yes
USGS	201502051430SS	Centrifuge	2,3,7,8-TCDF	0.737	ng/kg fines norm	Yes
USGS	201609170900SS	Centrifuge	2,3,7,8-TCDF	0.749	ng/kg fines norm	Yes
ECY	8354130-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDF	0.769	ng/kg fines norm	Yes
USGS	201411201030SS	Centrifuge	2,3,7,8-TCDF	0.785	ng/kg fines norm	Yes
USGS	201410231430SS	Centrifuge	2,3,7,8-TCDF	0.806	ng/kg fines norm	Yes
USGS	201304081300SS	Centrifuge	2,3,7,8-TCDF	0.830	ng/kg fines norm	Yes

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KC	L57732-1	Filter Solids	2,3,7,8-TCDF	0.833	ng/kg fines norm	No
USGS	201703031030SS	Centrifuge	2,3,7,8-TCDF	0.845	ng/kg fines norm	Yes
USGS	201703071130SS	Centrifuge	2,3,7,8-TCDF	0.980	ng/kg fines norm	Yes
USGS	201410311100SS	Centrifuge	2,3,7,8-TCDF	1.03	ng/kg fines norm	Yes
KC	L63858-1	Filter Solids	2,3,7,8-TCDF	1.10	ng/kg fines norm	No
USGS	201406091430SS	Centrifuge	2,3,7,8-TCDF	1.13	ng/kg fines norm	No
USGS	201502261330SS	Centrifuge	2,3,7,8-TCDF	1.16	ng/kg fines norm	Yes
USGS	201612201200SS	Centrifuge	2,3,7,8-TCDF	1.20	ng/kg fines norm	Yes
USGS	201402181230SS	Centrifuge	2,3,7,8-TCDF	1.21	ng/kg fines norm	Yes
USGS	201610131130SS	Centrifuge	2,3,7,8-TCDF	1.27	ng/kg fines norm	Yes
KC	L63181-1	Filter Solids	2,3,7,8-TCDF	1.32	ng/kg fines norm	Yes
USGS	201410221300SS	Centrifuge	2,3,7,8-TCDF	1.32	ng/kg fines norm	Yes
KC	L57634-1	Filter Solids	2,3,7,8-TCDF	1.39	ng/kg fines norm	No
KC	L57792-1	Filter Solids	2,3,7,8-TCDF	1.51	ng/kg fines norm	No
USGS	201610070930SS	Centrifuge	2,3,7,8-TCDF	1.64	ng/kg fines norm	Yes
USGS	201410081100SS	Centrifuge	2,3,7,8-TCDF	1.86	ng/kg fines norm	No
KC	L61568-1	Filter Solids	2,3,7,8-TCDF	2.13	ng/kg fines norm	Yes
USGS	201702091145SS	Centrifuge	2,3,7,8-TCDF	2.15	ng/kg fines norm	Yes
ECY	8414183-Centrifuge_Sediment	Centrifuge	2,3,7,8-TCDF	2.20	ng/kg fines norm	Yes
USGS	201701181330SS	Centrifuge	2,3,7,8-TCDF	2.51	ng/kg fines norm	Yes
USGS	201407231230SS	Centrifuge	2,3,7,8-TCDF	2.63	ng/kg fines norm	Yes
USGS	201409241230SS	Centrifuge	2,3,7,8-TCDF	3.78	ng/kg fines norm	Yes
KC	L57495-1	Filter Solids	2,3,7,8-TCDF	5.96	ng/kg fines norm	Yes
USGS	201501081130SS	Centrifuge	Arsenic	6.60	mg/kg	Yes
USGS	201501061230SS	Centrifuge	Arsenic	8.20	mg/kg	Yes
USGS	201403061400SS	Centrifuge	Arsenic	8.30	mg/kg	Yes
USGS	201703141130SS	Centrifuge	Arsenic	8.34	mg/kg	Yes
USGS	201404151500SS	Centrifuge	Arsenic	8.40	mg/kg	Yes
KC	L59919-1	Filter Solids	Arsenic	8.71	mg/kg	Yes
ECY	8474280-Centrifuge_Sediment	Centrifuge	Arsenic	9.20	mg/kg	Yes
USGS	201411260930SS	Centrifuge	Arsenic	9.30	mg/kg	Yes
ECY	0901022-16-Centrifuge_Sediment	Centrifuge	Arsenic	9.39	mg/kg	Yes
USGS	201412221230SS	Centrifuge	Arsenic	9.70	mg/kg	Yes
USGS	201411251300SS	Centrifuge	Arsenic	9.90	mg/kg	Yes
KC	L64265-1	Filter Solids	Arsenic	9.91	mg/kg	Yes
USGS	201501052200SS	Centrifuge	Arsenic	10.7	mg/kg	Yes
USGS	201304051100SS	Centrifuge	Arsenic	10.7	mg/kg	Yes
USGS	201401111230SS	Centrifuge	Arsenic	10.8	mg/kg	Yes
USGS	201305131400SS	Centrifuge	Arsenic	12.0	mg/kg	Yes

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USGS	201402141230SS	Centrifuge	Arsenic	12.1	mg/kg	Yes
KC	L57732-1	Filter Solids	Arsenic	12.3	mg/kg	Yes
KC	L57634-1	Filter Solids	Arsenic	12.6	mg/kg	Yes
USGS	201703031030SS	Centrifuge	Arsenic	12.7	mg/kg	Yes
USGS	201410311100SS	Centrifuge	Arsenic	12.7	mg/kg	Yes
USGS	201703071130SS	Centrifuge	Arsenic	13.2	mg/kg	Yes
USGS	201402181230SS	Centrifuge	Arsenic	13.4	mg/kg	Yes
ECY	8354143-Centrifuge_Sediment	Centrifuge	Arsenic	13.5	mg/kg	Yes
USGS	201502051430SS	Centrifuge	Arsenic	13.8	mg/kg	Yes
ECY	8514030-Centrifuge_Sediment	Centrifuge	Arsenic	14.0	mg/kg	Yes
KC	L57792-1	Filter Solids	Arsenic	14.5	mg/kg	Yes
USGS	201702091145SS	Centrifuge	Arsenic	14.7	mg/kg	Yes
USGS	201502261330SS	Centrifuge	Arsenic	14.8	mg/kg	Yes
USGS	201304081300SS	Centrifuge	Arsenic	15.7	mg/kg	Yes
USGS	201410261000SS	Centrifuge	Arsenic	15.8	mg/kg	Yes
KC	L61568-1	Filter Solids	Arsenic	16.7	mg/kg	Yes
USGS	201701181330SS	Centrifuge	Arsenic	17.8	mg/kg	Yes
USGS	201409241230SS	Centrifuge	Arsenic	20.0	mg/kg	Yes
USGS	201610131130SS	Centrifuge	Arsenic	20.3	mg/kg	Yes
USGS	201407231230SS	Centrifuge	Arsenic	21.0	mg/kg	Yes
ECY	8354130-Centrifuge_Sediment	Centrifuge	Arsenic	22.3	mg/kg	Yes
USGS	201410231430SS	Centrifuge	Arsenic	23.0	mg/kg	Yes
ECY	8414183-Centrifuge_Sediment	Centrifuge	Arsenic	23.6	mg/kg	Yes
USGS	201612201200SS	Centrifuge	Arsenic	24.1	mg/kg	Yes
USGS	201610070930SS	Centrifuge	Arsenic	24.3	mg/kg	Yes
ECY	8404073-Centrifuge_Sediment	Centrifuge	Arsenic	24.3	mg/kg	Yes
KC	L57495-1	Filter Solids	Arsenic	24.5	mg/kg	Yes
USGS	201411201030SS	Centrifuge	Arsenic	25.6	mg/kg	Yes
USGS	201701111030SS	Centrifuge	Arsenic	25.9	mg/kg	Yes
USGS	201410221300SS	Centrifuge	Arsenic	26.0	mg/kg	Yes
USGS	201609271130SS	Centrifuge	Arsenic	26.5	mg/kg	Yes
USGS	201609170900SS	Centrifuge	Arsenic	27.1	mg/kg	Yes
USGS	201410081100SS	Centrifuge	Arsenic	28.0	mg/kg	Yes
KC	L58537-2	Filter Solids	Arsenic	32.0	mg/kg	Yes
KC	L63181-1	Filter Solids	Arsenic	36.9	mg/kg	Yes
KC	L63858-1	Filter Solids	Arsenic	50.8	mg/kg	Yes
USGS	201501081130SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	1.00	ng/kg fines norm	Yes
ECY	0901022-16-Centrifuge_Sediment	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	1.08	ng/kg fines norm	Yes
USGS	201501061230SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	1.16	ng/kg fines norm	Yes

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Table A-1
Anthropogenic Background Data Set

USGS	201412221230SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	1.45	ng/kg fines norm	Yes
USGS	201411260930SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	1.51	ng/kg fines norm	Yes
USGS	201501052200SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	1.55	ng/kg fines norm	Yes
USGS	201703141130SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	1.68	ng/kg fines norm	Yes
ECY	8514030-Centrifuge_Sediment	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	1.83	ng/kg fines norm	Yes
ECY	8474280-Centrifuge_Sediment	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	1.90	ng/kg fines norm	Yes
USGS	201403061400SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	2.05	ng/kg fines norm	Yes
USGS	201302070930SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	2.09	ng/kg fines norm	Yes
USGS	201404151500SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	2.52	ng/kg fines norm	Yes
USGS	201402141230SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	2.53	ng/kg fines norm	Yes
KC	L59919-1	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	2.54	ng/kg fines norm	Yes
USGS	201411251300SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	2.56	ng/kg fines norm	Yes
USGS	201609271130SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	2.75	ng/kg fines norm	Yes
KC	L58537-2	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	2.81	ng/kg fines norm	Yes
KC	L64265-1	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	3.27	ng/kg fines norm	Yes
USGS	201303131400SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	3.42	ng/kg fines norm	Yes
KC	L63181-1	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	3.47	ng/kg fines norm	Yes
USGS	201410261000SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	3.50	ng/kg fines norm	Yes
USGS	201608301200SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	3.52	ng/kg fines norm	Yes
USGS	201406091430SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	4.47	ng/kg fines norm	Yes
USGS	201609170900SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	4.63	ng/kg fines norm	Yes
USGS	201410081100SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	5.05	ng/kg fines norm	Yes
USGS	201304051100SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	5.11	ng/kg fines norm	Yes
ECY	8414183-Centrifuge_Sediment	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	5.70	ng/kg fines norm	Yes
KC	L63858-1	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	5.91	ng/kg fines norm	Yes
KC	L57792-1	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	5.94	ng/kg fines norm	Yes
KC	L57732-1	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	5.97	ng/kg fines norm	Yes
USGS	201401111230SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	6.40	ng/kg fines norm	Yes
USGS	201411201030SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	6.48	ng/kg fines norm	Yes
USGS	201502051430SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	6.65	ng/kg fines norm	Yes
USGS	201701111030SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	7.75	ng/kg fines norm	Yes
USGS	201410231430SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	7.88	ng/kg fines norm	Yes
KC	L57634-1	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	9.42	ng/kg fines norm	Yes
ECY	8404073-Centrifuge_Sediment	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	9.51	ng/kg fines norm	Yes
USGS	201304081300SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	9.54	ng/kg fines norm	Yes
USGS	201703031030SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	9.59	ng/kg fines norm	Yes
USGS	201612201200SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	9.71	ng/kg fines norm	Yes
USGS	201703071130SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	9.79	ng/kg fines norm	Yes
USGS	201502261330SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	10.4	ng/kg fines norm	Yes

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Table A-1
Anthropogenic Background Data Set

KC	L61568-1	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	10.9	ng/kg fines norm	Yes
USGS	201610131130SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	11.9	ng/kg fines norm	Yes
USGS	201402181230SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	12.1	ng/kg fines norm	Yes
USGS	201410311100SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	15.7	ng/kg fines norm	Yes
USGS	201410221300SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	17.4	ng/kg fines norm	Yes
USGS	201610070930SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	18.3	ng/kg fines norm	Yes
USGS	201409241230SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	18.8	ng/kg fines norm	Yes
ECY	8354130-Centrifuge_Sediment	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	19.8	ng/kg fines norm	Yes
USGS	201407231230SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	20.4	ng/kg fines norm	Yes
USGS	201702091145SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	21.0	ng/kg fines norm	Yes
USGS	201701181330SS	Centrifuge	Dioxin/furan TEQ - mammal (half DL)	22.8	ng/kg fines norm	Yes
KC	L57495-1	Filter Solids	Dioxin/furan TEQ - mammal (half DL)	34.8	ng/kg fines norm	Yes
USGS	201501081130SS	Centrifuge	Total PCB Congeners	0.669	ug/kg fines norm	Yes
USGS	201501061230SS	Centrifuge	Total PCB Congeners	0.970	ug/kg fines norm	Yes
USGS	201501052200SS	Centrifuge	Total PCB Congeners	1.16	ug/kg fines norm	Yes
USGS	201412221230SS	Centrifuge	Total PCB Congeners	1.31	ug/kg fines norm	Yes
USGS	201703141130SS	Centrifuge	Total PCB Congeners	2.12	ug/kg fines norm	Yes
USGS	201403061400SS	Centrifuge	Total PCB Congeners	3.01	ug/kg fines norm	Yes
USGS	201411251300SS	Centrifuge	Total PCB Congeners	3.43	ug/kg fines norm	Yes
USGS	201402141230SS	Centrifuge	Total PCB Congeners	3.72	ug/kg fines norm	Yes
USGS	201302070930SS	Centrifuge	Total PCB Congeners	3.98	ug/kg fines norm	Yes
KC	L59919-1	Filter Solids	Total PCB Congeners	4.01	ug/kg fines norm	Yes
KC	L64265-1	Filter Solids	Total PCB Congeners	4.47	ug/kg fines norm	Yes
USGS	201303131400SS	Centrifuge	Total PCB Congeners	4.91	ug/kg fines norm	Yes
USGS	201410261000SS	Centrifuge	Total PCB Congeners	4.93	ug/kg fines norm	Yes
USGS	201410081100SS	Centrifuge	Total PCB Congeners	6.08	ug/kg fines norm	Yes
USGS	201404151500SS	Centrifuge	Total PCB Congeners	6.15	ug/kg fines norm	Yes
USGS	201304051100SS	Centrifuge	Total PCB Congeners	6.90	ug/kg fines norm	Yes
USGS	201411260930SS	Centrifuge	Total PCB Congeners	7.40	ug/kg fines norm	Yes
KC	L58537-2	Filter Solids	Total PCB Congeners	7.78	ug/kg fines norm	Yes
USGS	201608301200SS	Centrifuge	Total PCB Congeners	8.31	ug/kg fines norm	Yes
KC	L63181-1	Filter Solids	Total PCB Congeners	8.67	ug/kg fines norm	Yes
USGS	201701111030SS	Centrifuge	Total PCB Congeners	9.12	ug/kg fines norm	Yes
KC	L57792-1	Filter Solids	Total PCB Congeners	10.5	ug/kg fines norm	Yes
KC	L62291-1	Filter Solids	Total PCB Congeners	12.1	ug/kg fines norm	Yes
USGS	201304081300SS	Centrifuge	Total PCB Congeners	12.2	ug/kg fines norm	Yes
USGS	201411201030SS	Centrifuge	Total PCB Congeners	12.3	ug/kg fines norm	Yes
KC	L57732-1	Filter Solids	Total PCB Congeners	12.6	ug/kg fines norm	Yes
KC	L63858-1	Filter Solids	Total PCB Congeners	12.7	ug/kg fines norm	Yes

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Table A-1
Anthropogenic Background Data Set

USGS	201703031030SS	Centrifuge	Total PCB Congeners	13.6	ug/kg fines norm	Yes
USGS	201406091430SS	Centrifuge	Total PCB Congeners	13.8	ug/kg fines norm	Yes
USGS	201703071130SS	Centrifuge	Total PCB Congeners	14.9	ug/kg fines norm	Yes
USGS	201401111230SS	Centrifuge	Total PCB Congeners	15.6	ug/kg fines norm	Yes
USGS	201502051430SS	Centrifuge	Total PCB Congeners	15.8	ug/kg fines norm	Yes
USGS	201410311100SS	Centrifuge	Total PCB Congeners	16.5	ug/kg fines norm	Yes
USGS	201609170900SS	Centrifuge	Total PCB Congeners	17.7	ug/kg fines norm	Yes
USGS	201612201200SS	Centrifuge	Total PCB Congeners	18.4	ug/kg fines norm	Yes
KC	L57634-1	Filter Solids	Total PCB Congeners	21.5	ug/kg fines norm	Yes
USGS	201502261330SS	Centrifuge	Total PCB Congeners	21.7	ug/kg fines norm	Yes
USGS	201610131130SS	Centrifuge	Total PCB Congeners	28.8	ug/kg fines norm	Yes
USGS	201410231430SS	Centrifuge	Total PCB Congeners	31.5	ug/kg fines norm	Yes
USGS	201402181230SS	Centrifuge	Total PCB Congeners	31.7	ug/kg fines norm	Yes
USGS	201410221300SS	Centrifuge	Total PCB Congeners	37.2	ug/kg fines norm	Yes
USGS	201610070930SS	Centrifuge	Total PCB Congeners	43.4	ug/kg fines norm	Yes
USGS	201409241230SS	Centrifuge	Total PCB Congeners	47.3	ug/kg fines norm	Yes
USGS	201701181330SS	Centrifuge	Total PCB Congeners	47.9	ug/kg fines norm	Yes
USGS	201702091145SS	Centrifuge	Total PCB Congeners	53.2	ug/kg fines norm	Yes
USGS	201407231230SS	Centrifuge	Total PCB Congeners	88.5	ug/kg fines norm	Yes
KC	L57495-1	Filter Solids	Total PCB Congeners	95.8	ug/kg fines norm	Yes
KC	L61568-1	Filter Solids	Total PCB Congeners	101	ug/kg fines norm	Yes
KC	L63997-1	Filter Solids	Total PCB Congeners	124	ug/kg fines norm	Yes

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Table A-1
Anthropogenic Background Data Set

Notes:
ECY: Washington State Department of Ecology
KC: King County
ng/kg: nanograms per kilogram
USGS: U.S. Geological Survey

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