APPENDIX H

DIOXIN TEQ COMPONENT ANALYSIS

Appendix H. Summary of individual isomers or congeners of polychlorinated dibenzodioxins, polychlorinated dibenzofurans, and dioxin-like PCBs to total 2,47,8-TCDD TEQ concentrations for birds and mammals.

Location	SampleID	Analyte	Sum of TEQ98Bird	Sum of TEQ05Mammal	%Total TEQBird	%Total TEQMammal	Notes
B018	LW2-B018	1,2,3,4,6,7,8-Heptachlorodibenzofuran	5.57E-05	1.67E-05	27.97%	10.63%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	2.58E-06	2.58E-06	1.29%	1.64%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.20E-05	2.20E-06	11.03%	1.40%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	1.75E-05	1.75E-05	8.78%	11.13%	
		1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	2.54E-09	2.54E-09	0.00%	0.00%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	4.85E-06	1.45E-06	2.43%	0.93%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	2.11E-09	2.11E-08	0.00%	0.01%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	2.55E-06	2.55E-06	1.28%	1.62%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	1.51E-08	1.51E-08	0.01%	0.01%	
		1,2,3,7,8-Pentachlorodibenzofuran	1.46E-06	1.46E-05	0.74%	9.32%	
		1,2,3,7,8-Pentachlorodibenzo-p-dioxin	4.10E-11	1.23E-10	0.00%	0.00%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	1.08E-06	1.08E-06	0.54%	0.69%	
		2,3,4,7,8-Pentachlorodibenzofuran	5.42E-06	5.42E-06	2.72%	3.45%	
		2,3,7,8-Tetrachlorodibenzofuran	1.54E-05	1.54E-05	7.72%	9.78%	
		2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.84E-11	1.45E-10	0.00%	0.00%	
		Octachlorodibenzofuran	5.92E-05	5.92E-05	29.73%	37.67%	
		Octachlorodibenzo-p- Dioxin	6.18E-06	1.24E-05	3.11%	7.87%	
		PCB077	1.88E-09	5.64E-09	0.00%	0.00%	a
		PCB081	2.88E-09	8.64E-10	0.00%	0.00%	a
		PCB105	6.93E-08	2.08E-08	0.03%	0.01%	a
		PCB106 & 118	1.18E-08	3.54E-08	0.01%	0.02%	a
		PCB114	4.21E-09	1.26E-09	0.00%	0.00%	a
		PCB123	3.29E-10	9.87E-10	0.00%	0.00%	a
		PCB126	7.33E-10	2.20E-10	0.00%	0.00%	a
		PCB156	1.31E-07	3.93E-06	0.07%	2.50%	a
		PCB157	2.05E-06	2.05E-06	1.03%	1.30%	a
		PCB167	2.96E-06	5.91E-09	1.48%	0.00%	a
		PCB169	3.75E-08	1.13E-10	0.02%	0.00%	a
		PCB189	3.14E-10	9.42E-10	0.00%	0.00%	a
	LW2-B018 Total		1.99E-04	1.57E-04	100.00%	100.00%	
RBC-1	SO7006	1,2,3,4,6,7,8-Heptachlorodibenzofuran	2.30E-07	2.30E-07	0.39%	1.58%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	5.00E-08	5.00E-07	0.09%	3.44%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	4.80E-08	4.80E-08	0.08%	0.33%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	2.90E-06	2.90E-06	4.96%	19.98%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	2.75E-08	5.50E-08	0.05%	0.38%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	8.80E-07	8.80E-07	1.51%	6.06%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	3.20E-08	3.20E-07	0.05%	2.20%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	3.65E-08	3.65E-08	0.06%	0.25%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	9.50E-08	9.50E-08	0.16%	0.65%	
		1,2,3,7,8-Pentachlorodibenzofuran	3.10E-06	9.30E-07	5.30%	6.41%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	5.50E-07	5.50E-07	0.94%	3.79%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	1.50E-07	1.50E-07	0.26%	1.03%	
		2,3,4,7,8-Pentachlorodibenzofuran	1.20E-05	3.60E-06	20.53%	24.80%	
		2,3,7,8-Tetrachlorodibenzofuran	3.80E-05	3.80E-06	65.02%	26.18%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	3.00E-07	3.00E-07	0.51%	2.07%	
		Octachlorodibenzofuran	3.50E-09	1.05E-08	0.01%	0.07%	
		Octachlorodibenzo-p- Dioxin	3.70E-08	1.11E-07	0.06%	0.76%	
	SO7006 Total		5.84E-05	1.45E-05	100.00%	100.00%	
RBC-10	SO7064	1,2,3,4,6,7,8-Heptachlorodibenzofuran	7.60E-07	7.60E-07	0.72%	1.90%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	2.60E-07	2.60E-06	0.25%	6.49%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.70E-07	2.70E-07	0.26%	0.67%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	1.30E-05	1.30E-05	12.34%	32.43%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	3.75E-08	7.50E-08	0.04%	0.19%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	3.40E-06	3.40E-06	3.23%	8.48%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	6.80E-08	6.80E-07	0.06%	1.70%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	8.50E-08	8.50E-08	0.08%	0.21%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	4.40E-07	4.40E-07	0.42%	1.10%	
		1,2,3,7,8-Pentachlorodibenzofuran	7.80E-06	2.34E-06	7.40%	5.84%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	9.00E-07	9.00E-07	0.85%	2.25%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	8.40E-07	8.40E-07	0.80%	2.10%	
		2,3,4,7,8-Pentachlorodibenzofuran	3.10E-05	9.30E-06	29.42%	23.20%	
		2,3,7,8-Tetrachlorodibenzofuran	4.60E-05	4.60E-06	43.66%	11.47%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	3.55E-07	3.55E-07	0.34%	0.89%	
		Octachlorodibenzofuran	3.80E-08	1.14E-07	0.04%	0.28%	
		Octachlorodibenzo-p- Dioxin	1.10E-07	3.30E-07	0.10%	0.82%	
	SO7064 Total		1.05E-04	4.01E-05	100.00%	100.00%	

Appendix H. Summary of individual isomers or congeners of polychlorinated dibenzodioxins, polychlorinated dibenzofurans, and dioxin-like PCBs to total 2,47,8-TCDD TEQ concentrations for birds and mammals.

Location	SampleID	Analyte	Sum of TEQ98Bird	Sum of TEQ05Mammal	%Total TEQBird	%Total TEQMammal	Notes
RBC-10-03	SO7061	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.60E-07	1.60E-07	2.03%	4.07%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	1.90E-08	1.90E-07	0.24%	4.83%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.10E-08	3.10E-08	0.39%	0.79%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	1.00E-06	1.00E-06	12.66%	25.43%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	1.90E-08	3.80E-08	0.24%	0.97%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	2.90E-07	2.90E-07	3.67%	7.37%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	8.00E-09	8.00E-08	0.10%	2.03%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	6.00E-08	6.00E-08	0.76%	1.53%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	6.50E-08	6.50E-08	0.82%	1.65%	
		1,2,3,7,8-Pentachlorodibenzofuran	5.50E-07	1.65E-07	6.96%	4.20%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	8.00E-07	8.00E-07	10.13%	20.34%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	4.95E-08	4.95E-08	0.63%	1.26%	
		2,3,4,7,8-Pentachlorodibenzofuran	1.05E-06	3.15E-07	13.29%	8.01%	
		2,3,7,8-Tetrachlorodibenzofuran	3.50E-06	3.50E-07	44.30%	8.90%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	2.80E-07	2.80E-07	3.54%	7.12%	
		Octachlorodibenzofuran	7.70E-09	2.31E-08	0.10%	0.59%	
		Octachlorodibenzo-p- Dioxin	1.20E-08	3.60E-08	0.15%	0.92%	
	SO7061 Total		7.90E-06	3.93E-06	100.00%	100.00%	
RBC-11	SO7071	1,2,3,4,6,7,8-Heptachlorodibenzofuran	4.10E-06	4.10E-06	0.56%	1.74%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	3.20E-07	3.20E-06	0.04%	1.36%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.40E-06	1.40E-06	0.19%	0.59%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	8.50E-05	8.50E-05	11.58%	36.08%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	2.00E-07	4.00E-07	0.03%	0.17%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	2.20E-05	2.20E-05	3.00%	9.34%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	1.30E-07	1.30E-06	0.02%	0.55%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	1.30E-06	1.30E-06	0.18%	0.55%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	7.50E-07	7.50E-07	0.10%	0.32%	
		1,2,3,7,8-Pentachlorodibenzofuran	5.30E-05	1.59E-05	7.22%	6.75%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	9.50E-07	9.50E-07	0.13%	0.40%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	3.60E-06	3.60E-06	0.49%	1.53%	
		2,3,4,7,8-Pentachlorodibenzofuran	1.90E-04	5.70E-05	25.90%	24.19%	
		2,3,7,8-Tetrachlorodibenzofuran	3.70E-04	3.70E-05	50.43%	15.70%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	6.00E-07	6.00E-07	0.08%	0.25%	
		Octachlorodibenzofuran	9.20E-08	2.76E-07	0.01%	0.12%	
		Octachlorodibenzo-p- Dioxin	2.80E-07	8.40E-07	0.04%	0.36%	
	SO7071 Total		7.34E-04	2.36E-04	100.00%	100.00%	
RBC-11-03	SO7068	1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.00E-07	3.00E-07	0.32%	1.13%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	4.40E-08	4.40E-07	0.05%	1.66%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.10E-07	1.10E-07	0.12%	0.41%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	6.80E-06	6.80E-06	7.25%	25.63%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	3.00E-08	6.00E-08	0.03%	0.23%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	1.70E-06	1.70E-06	1.81%	6.41%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	1.00E-08	1.00E-07	0.01%	0.38%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	7.50E-08	7.50E-08	0.08%	0.28%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	5.50E-08	5.50E-08	0.06%	0.21%	
		1,2,3,7,8-Pentachlorodibenzofuran	6.40E-06	1.92E-06	6.82%	7.24%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	1.30E-06	1.30E-06	1.39%	4.90%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	3.30E-07	3.30E-07	0.35%	1.24%	
		2,3,4,7,8-Pentachlorodibenzofuran	2.50E-05	7.50E-06	26.65%	28.27%	
		2,3,7,8-Tetrachlorodibenzofuran	5.10E-05	5.10E-06	54.37%	19.22%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	6.00E-07	6.00E-07	0.64%	2.26%	
		Octachlorodibenzofuran	8.10E-09	2.43E-08	0.01%	0.09%	
		Octachlorodibenzo-p- Dioxin	3.80E-08	1.14E-07	0.04%	0.43%	
	SO7068 Total		9.38E-05	2.65E-05	100.00%	100.00%	
RBC-12	SO7077	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.90E-06	1.90E-06	0.61%	1.72%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	2.20E-07	2.20E-06	0.07%	1.99%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	5.80E-07	5.80E-07	0.19%	0.52%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	3.90E-05	3.90E-05	12.46%	35.23%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	1.70E-07	3.40E-07	0.05%	0.31%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	1.10E-05	1.10E-05	3.51%	9.94%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	1.70E-07	1.70E-06	0.05%	1.54%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	7.70E-07	7.70E-07	0.25%	0.70%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	8.10E-07	8.10E-07	0.26%	0.73%	
		1,2,3,7,8-Pentachlorodibenzofuran	2.50E-05	7.50E-06	7.98%	6.78%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	1.05E-06	1.05E-06	0.34%	0.95%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	1.90E-06	1.90E-06	0.61%	1.72%	
		2,3,4,7,8-Pentachlorodibenzofuran	9.00E-05	2.70E-05	28.74%	24.39%	

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Location	SampleID	Analyte	Sum of TEQ98Bird	Sum of TEQ05Mammal	%Total TEQBird	%Total TEQMammal	Notes
		2,3,7,8-Tetrachlorodibenzofuran	1.40E-04	1.40E-05	44.71%	12.65%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	3.50E-07	3.50E-07	0.11%	0.32%	
		Octachlorodibenzofuran	2.60E-08	7.80E-08	0.01%	0.07%	
		Octachlorodibenzo-p- Dioxin	1.70E-07	5.10E-07	0.05%	0.46%	
	SO7077 Total		3.13E-04	1.11E-04	100.00%	100.00%	
RBC-13	SO7084	1,2,3,4,6,7,8-Heptachlorodibenzofuran	5.20E-07	5.20E-07	0.48%	1.36%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	7.40E-08	7.40E-07	0.07%	1.94%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.90E-07	1.90E-07	0.17%	0.50%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	1.30E-05	1.30E-05	11.94%	34.00%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	3.00E-08	6.00E-08	0.03%	0.16%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	3.80E-06	3.80E-06	3.49%	9.94%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	4.70E-08	4.70E-07	0.04%	1.23%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	3.60E-07	3.60E-07	0.33%	0.94%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	1.40E-07	1.40E-07	0.13%	0.37%	
		1,2,3,7,8-Pentachlorodibenzofuran	9.30E-06	2.79E-06	8.54%	7.30%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	5.00E-07	5.00E-07	0.46%	1.31%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	6.30E-07	6.30E-07	0.58%	1.65%	
		2,3,4,7,8-Pentachlorodibenzofuran	3.30E-05	9.90E-06	30.30%	25.89%	
		2,3,7,8-Tetrachlorodibenzofuran	4.70E-05	4.70E-06	43.15%	12.29%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	2.70E-07	2.70E-07	0.25%	0.71%	
		Octachlorodibenzofuran	7.60E-09	2.28E-08	0.01%	0.06%	
		Octachlorodibenzo-p- Dioxin	4.80E-08	1.44E-07	0.04%	0.38%	
	SO7084 Total		1.09E-04	3.82E-05	100.00%	100.00%	
RBC-13-01	SO7079	1,2,3,4,6,7,8-Heptachlorodibenzofuran	9.90E-08	9.90E-08	0.58%	1.50%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	2.30E-08	2.30E-07	0.14%	3.48%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.50E-08	1.50E-08	0.09%	0.23%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	1.70E-06	1.70E-06	10.02%	25.70%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	3.00E-08	6.00E-08	0.18%	0.91%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	4.90E-07	4.90E-07	2.89%	7.41%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	6.50E-09	6.50E-08	0.04%	0.98%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	6.00E-08	6.00E-08	0.35%	0.91%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	6.00E-08	6.00E-08	0.35%	0.91%	
		1,2,3,7,8-Pentachlorodibenzofuran	1.10E-06	3.30E-07	6.49%	4.99%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	9.50E-07	9.50E-07	5.60%	14.36%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	5.50E-08	5.50E-08	0.32%	0.83%	
		2,3,4,7,8-Pentachlorodibenzofuran	4.00E-06	1.20E-06	23.58%	18.14%	
		2,3,7,8-Tetrachlorodibenzofuran	7.90E-06	7.90E-07	46.57%	11.94%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	4.55E-07	4.55E-07	2.68%	6.88%	
		Octachlorodibenzofuran	1.70E-09	5.10E-09	0.01%	0.08%	
		Octachlorodibenzo-p- Dioxin	1.70E-08	5.10E-08	0.10%	0.77%	
	SO7079 Total		1.70E-05	6.62E-06	100.00%	100.00%	
RBC-2	SO7013	1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.00E-07	3.00E-07	0.92%	2.79%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	8.30E-08	8.30E-07	0.26%	7.71%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.70E-08	3.70E-08	0.11%	0.34%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	2.50E-06	2.50E-06	7.69%	23.22%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	2.25E-08	4.50E-08	0.07%	0.42%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	7.30E-07	7.30E-07	2.25%	6.78%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	4.50E-08	4.50E-07	0.14%	4.18%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	2.40E-08	2.40E-08	0.07%	0.22%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	1.15E-07	1.15E-07	0.35%	1.07%	
		1,2,3,7,8-Pentachlorodibenzofuran	1.80E-06	5.40E-07	5.54%	5.01%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	4.20E-07	4.20E-07	1.29%	3.90%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	9.00E-08	9.00E-08	0.28%	0.84%	
		2,3,4,7,8-Pentachlorodibenzofuran	8.00E-06	2.40E-06	24.61%	22.29%	
		2,3,7,8-Tetrachlorodibenzofuran	1.80E-05	1.80E-06	55.36%	16.72%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	2.75E-07	2.75E-07	0.85%	2.55%	
		Octachlorodibenzofuran	4.80E-09	1.44E-08	0.01%	0.13%	
		Octachlorodibenzo-p- Dioxin	6.60E-08	1.98E-07	0.20%	1.84%	
	SO7013 Total		3.25E-05	1.08E-05	100.00%	100.00%	
RBC-2-03	SO7010	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.00E-07	1.00E-07	5.25%	5.37%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	3.40E-08	3.40E-07	1.79%	18.25%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	4.55E-09	4.55E-09	0.24%	0.24%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	9.00E-08	9.00E-08	4.73%	4.83%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	2.15E-08	4.30E-08	1.13%	2.31%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	3.20E-08	3.20E-08	1.68%	1.72%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	4.55E-09	4.55E-08	0.24%	2.44%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	3.20E-08	3.20E-08	1.68%	1.72%	

Appendix H. Summary of individual isomers or congeners of polychlorinated dibenzodioxins, polychlorinated dibenzofurans, and dioxin-like PCBs to total 2,47,8-TCDD TEQ concentrations for birds and mammals.

Location	SampleID	Analyte	Sum of TEQ98Bird	Sum of TEQ05Mammal	%Total TEQBird	%Total TEQMammal	Notes
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	4.50E-08	4.50E-08	2.36%	2.42%	
		1,2,3,7,8-Pentachlorodibenzofuran	3.80E-08	1.14E-08	2.00%	0.61%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	5.50E-07	5.50E-07	28.89%	29.52%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	2.85E-08	2.85E-08	1.50%	1.53%	
		2,3,4,7,8-Pentachlorodibenzofuran	3.55E-07	1.07E-07	18.65%	5.72%	
		2,3,7,8-Tetrachlorodibenzofuran	2.35E-07	2.35E-08	12.34%	1.26%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	2.95E-07	2.95E-07	15.50%	15.83%	
		Octachlorodibenzofuran	2.70E-09	8.10E-09	0.14%	0.43%	
		Octachlorodibenzo-p- Dioxin	3.60E-08	1.08E-07	1.89%	5.80%	
	SO7010 Total		1.90E-06	1.86E-06	100.00%	100.00%	
RBC-3	SO7019	1,2,3,4,6,7,8-Heptachlorodibenzofuran	9.00E-06	9.00E-06	1.37%	3.41%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	8.70E-08	8.70E-07	0.01%	0.33%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.80E-06	3.80E-06	0.58%	1.44%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	1.10E-04	1.10E-04	16.78%	41.63%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	5.25E-08	1.05E-07	0.01%	0.04%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	3.70E-05	3.70E-05	5.65%	14.00%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	4.80E-08	4.80E-07	0.01%	0.18%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	2.20E-06	2.20E-06	0.34%	0.83%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	1.40E-07	1.40E-07	0.02%	0.05%	
		1,2,3,7,8-Pentachlorodibenzofuran	5.70E-05	1.71E-05	8.70%	6.47%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	6.00E-07	6.00E-07	0.09%	0.23%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	4.90E-06	4.90E-06	0.75%	1.85%	
		2,3,4,7,8-Pentachlorodibenzofuran	1.70E-04	5.10E-05	25.94%	19.30%	
		2,3,7,8-Tetrachlorodibenzofuran	2.60E-04	2.60E-05	39.67%	9.84%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	3.85E-07	3.85E-07	0.06%	0.15%	
		Octachlorodibenzofuran	1.40E-07	4.20E-07	0.02%	0.16%	
		Octachlorodibenzo-p- Dioxin	6.90E-08	2.07E-07	0.01%	0.08%	
	SO7019 Total		6.55E-04	2.64E-04	100.00%	100.00%	
RBC-4	SO7032	1,2,3,4,6,7,8-Heptachlorodibenzofuran	9.10E-08	9.10E-08	0.38%	1.40%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	2.50E-08	2.50E-07	0.11%	3.84%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.15E-08	1.15E-08	0.05%	0.18%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	1.40E-06	1.40E-06	5.89%	21.50%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	2.03E-08	4.05E-08	0.09%	0.62%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	3.90E-07	3.90E-07	1.64%	5.99%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	7.50E-09	7.50E-08	0.03%	1.15%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	2.60E-08	2.60E-08	0.11%	0.40%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	6.00E-08	6.00E-08	0.25%	0.92%	
		1,2,3,7,8-Pentachlorodibenzofuran	1.10E-06	3.30E-07	4.63%	5.07%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	4.95E-07	4.95E-07	2.08%	7.60%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	4.50E-08	4.50E-08	0.19%	0.69%	
		2,3,4,7,8-Pentachlorodibenzofuran	4.80E-06	1.44E-06	20.19%	22.11%	
		2,3,7,8-Tetrachlorodibenzofuran	1.50E-05	1.50E-06	63.09%	23.03%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	2.80E-07	2.80E-07	1.18%	4.30%	
		Octachlorodibenzofuran	2.10E-09	6.30E-09	0.01%	0.10%	
		Octachlorodibenzo-p- Dioxin	2.40E-08	7.20E-08	0.10%	1.11%	
	SO7032 Total		2.38E-05	6.51E-06	100.00%	100.00%	
RBC-5	SO7025	1,2,3,4,6,7,8-Heptachlorodibenzofuran	9.20E-05	2.76E-05	8.62%	1.63%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	1.70E-04	1.70E-04	15.93%	10.01%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	6.70E-06	6.70E-07	0.63%	0.04%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	2.30E-06	2.30E-06	0.22%	0.14%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	1.70E-07	1.70E-07	0.02%	0.01%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	1.00E-06	3.00E-07	0.09%	0.02%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	1.30E-07	1.30E-06	0.01%	0.08%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	7.00E-07	7.00E-07	0.07%	0.04%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	3.70E-07	3.70E-07	0.03%	0.02%	
		1,2,3,7,8-Pentachlorodibenzofuran	1.00E-07	1.00E-06	0.01%	0.06%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	8.90E-10	2.67E-09	0.00%	0.00%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	7.80E-07	7.80E-07	0.07%	0.05%	
		2,3,4,7,8-Pentachlorodibenzofuran	7.20E-07	7.20E-07	0.07%	0.04%	
		2,3,7,8-Tetrachlorodibenzofuran	4.40E-07	4.40E-07	0.04%	0.03%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	3.50E-11	1.05E-10	0.00%	0.00%	
		Octachlorodibenzofuran	9.20E-05	9.20E-05	8.62%	5.42%	
		Octachlorodibenzo-p- Dioxin	7.00E-04	1.40E-03	65.58%	82.43%	
	SO7025 Total		1.07E-03	1.70E-03	100.00%	100.00%	

Appendix H. Summary of individual isomers or congeners of polychlorinated dibenzodioxins, polychlorinated dibenzofurans, and dioxin-like PCBs to total 2,47,8-TCDD TEQ concentrations for birds and mammals.

Location	SampleID	Analyte	Sum of TEQ98Bird	Sum of TEQ05Mammal	%Total TEQBird	%Total TEQMammal	Notes
	SO7026	1,2,3,4,6,7,8-Heptachlorodibenzofuran	8.90E-05	2.67E-05	7.65%	1.41%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	1.70E-04	1.70E-04	14.61%	8.96%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	6.80E-06	6.80E-07	0.58%	0.04%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	2.20E-06	2.20E-06	0.19%	0.12%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	1.60E-07	1.60E-07	0.01%	0.01%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	9.70E-07	2.91E-07	0.08%	0.02%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	1.10E-07	1.10E-06	0.01%	0.06%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	3.13E-07	3.13E-07	0.03%	0.02%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	3.40E-07	3.40E-07	0.03%	0.02%	
		1,2,3,7,8-Pentachlorodibenzofuran	1.10E-07	1.10E-06	0.01%	0.06%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	7.40E-10	2.22E-09	0.00%	0.00%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	7.40E-07	7.40E-07	0.06%	0.04%	
		2,3,4,7,8-Pentachlorodibenzofuran	6.50E-07	6.50E-07	0.06%	0.03%	
		2,3,7,8-Tetrachlorodibenzofuran	5.30E-07	5.30E-07	0.05%	0.03%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	6.76E-11	2.03E-10	0.00%	0.00%	
		Octachlorodibenzofuran	9.20E-05	9.20E-05	7.90%	4.85%	
		Octachlorodibenzo-p- Dioxin	8.00E-04	1.60E-03	68.73%	84.35%	
	SO7026 Total		1.16E-03	1.90E-03	100.00%	100.00%	
RBC-6	SO7045	1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.80E-07	3.80E-07	2.27%	4.05%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	8.50E-08	8.50E-07	0.51%	9.05%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.00E-07	1.00E-07	0.60%	1.06%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	2.90E-06	2.90E-06	17.36%	30.88%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	3.00E-08	6.00E-08	0.18%	0.64%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	1.10E-06	1.10E-06	6.59%	11.71%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	4.70E-08	4.70E-07	0.28%	5.01%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	2.80E-08	2.80E-08	0.17%	0.30%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	1.40E-07	1.40E-07	0.84%	1.49%	
		1,2,3,7,8-Pentachlorodibenzofuran	1.20E-06	3.60E-07	7.18%	3.83%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	5.50E-07	5.50E-07	3.29%	5.86%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	1.30E-07	1.30E-07	0.78%	1.38%	
		2,3,4,7,8-Pentachlorodibenzofuran	4.40E-06	1.32E-06	26.34%	14.06%	
		2,3,7,8-Tetrachlorodibenzofuran	5.30E-06	5.30E-07	31.73%	5.64%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	2.35E-07	2.35E-07	1.41%	2.50%	
		Octachlorodibenzofuran	1.20E-08	3.60E-08	0.07%	0.38%	
		Octachlorodibenzo-p- Dioxin	6.70E-08	2.01E-07	0.40%	2.14%	
	SO7045 Total		1.67E-05	9.39E-06	100.00%	100.00%	
RBC-6-03	SO7042	1,2,3,4,6,7,8-Heptachlorodibenzofuran	9.00E-08	9.00E-08	1.63%	3.71%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	1.20E-08	1.20E-07	0.22%	4.95%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	8.00E-09	8.00E-09	0.15%	0.33%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	6.50E-07	6.50E-07	11.78%	26.81%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	1.48E-08	2.95E-08	0.27%	1.22%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	1.05E-07	1.05E-07	1.90%	4.33%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	4.35E-09	4.35E-08	0.08%	1.79%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	2.35E-08	2.35E-08	0.43%	0.97%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	2.95E-08	2.95E-08	0.53%	1.22%	
		1,2,3,7,8-Pentachlorodibenzofuran	3.60E-07	1.08E-07	6.53%	4.45%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	4.40E-07	4.40E-07	7.98%	18.15%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	3.50E-08	3.50E-08	0.63%	1.44%	
		2,3,4,7,8-Pentachlorodibenzofuran	6.00E-07	1.80E-07	10.88%	7.42%	
		2,3,7,8-Tetrachlorodibenzofuran	2.90E-06	2.90E-07	52.57%	11.96%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	2.30E-07	2.30E-07	4.17%	9.49%	
		Octachlorodibenzofuran	2.10E-09	6.30E-09	0.04%	0.26%	
		Octachlorodibenzo-p- Dioxin	1.20E-08	3.60E-08	0.22%	1.48%	
	SO7042 Total		5.52E-06	2.42E-06	100.00%	100.00%	
RBC-7	SO7038	1,2,3,4,6,7,8-Heptachlorodibenzofuran	2.00E-06	2.00E-06	0.57%	1.99%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	1.50E-07	1.50E-06	0.04%	1.49%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	4.00E-07	4.00E-07	0.11%	0.40%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	2.10E-05	2.10E-05	5.96%	20.87%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	2.70E-07	5.40E-07	0.08%	0.54%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	7.40E-06	7.40E-06	2.10%	7.36%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	1.30E-07	1.30E-06	0.04%	1.29%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	6.20E-07	6.20E-07	0.18%	0.62%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	1.40E-06	1.40E-06	0.40%	1.39%	
		1,2,3,7,8-Pentachlorodibenzofuran	1.60E-05	4.80E-06	4.54%	4.77%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	6.10E-06	6.10E-06	1.73%	6.06%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	3.70E-06	3.70E-06	1.05%	3.68%	
		2,3,4,7,8-Pentachlorodibenzofuran	9.10E-05	2.73E-05	25.82%	27.13%	

Appendix H. Summary of individual isomers or congeners of polychlorinated dibenzodioxins, polychlorinated dibenzofurans, and dioxin-like PCBs to total 2,47,8-TCDD TEQ concentrations for birds and mammals.

Location	SampleID	Analyte	Sum of TEQ98Bird	Sum of TEQ05Mammal	%Total TEQBird	%Total TEQMammal	Notes
		2,3,7,8-Tetrachlorodibenzofuran	2.00E-04	2.00E-05	56.74%	19.88%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	2.20E-06	2.20E-06	0.62%	2.19%	
		Octachlorodibenzofuran	3.10E-08	9.30E-08	0.01%	0.09%	
		Octachlorodibenzo-p- Dioxin	8.60E-08	2.58E-07	0.02%	0.26%	
	SO7038 Total		3.52E-04	1.01E-04	100.00%	100.00%	
RBC-8	SO7057	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.30E-06	1.30E-06	0.87%	2.16%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	7.70E-08	7.70E-07	0.05%	1.28%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.20E-07	2.20E-07	0.15%	0.37%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	1.30E-05	1.30E-05	8.66%	21.65%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	2.25E-07	4.50E-07	0.15%	0.75%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	5.50E-06	5.50E-06	3.66%	9.16%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	1.10E-07	1.10E-06	0.07%	1.83%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	3.40E-07	3.40E-07	0.23%	0.57%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	1.20E-06	1.20E-06	0.80%	2.00%	
		1,2,3,7,8-Pentachlorodibenzofuran	8.80E-06	2.64E-06	5.86%	4.40%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	7.10E-06	7.10E-06	4.73%	11.82%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	3.00E-06	3.00E-06	2.00%	5.00%	
		2,3,4,7,8-Pentachlorodibenzofuran	5.20E-05	1.56E-05	34.64%	25.98%	
		2,3,7,8-Tetrachlorodibenzofuran	5.50E-05	5.50E-06	36.64%	9.16%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	2.20E-06	2.20E-06	1.47%	3.66%	
		Octachlorodibenzofuran	1.20E-08	3.60E-08	0.01%	0.06%	
		Octachlorodibenzo-p- Dioxin	3.10E-08	9.30E-08	0.02%	0.15%	
	SO7057 Total		1.50E-04	6.00E-05	100.00%	100.00%	
RBC-9	SO7051	1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.20E-06	3.20E-06	0.79%	2.26%	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p- Dioxin	7.00E-07	7.00E-06	0.17%	4.94%	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	7.70E-07	7.70E-07	0.19%	0.54%	
		1,2,3,4,7,8-Hexachlorodibenzofuran	4.20E-05	4.20E-05	10.32%	29.62%	
		1,2,3,4,7,8-Hexachlorodibenzo-p- Dioxin	4.35E-07	8.70E-07	0.11%	0.61%	
		1,2,3,6,7,8-Hexachlorodibenzofuran	1.20E-05	1.20E-05	2.95%	8.46%	
		1,2,3,6,7,8-Hexachlorodibenzo-p- Dioxin	2.70E-07	2.70E-06	0.07%	1.90%	
		1,2,3,7,8,9-Hexachlorodibenzofuran	8.00E-07	8.00E-07	0.20%	0.56%	
		1,2,3,7,8,9-Hexachlorodibenzo-p- Dioxin	1.40E-06	1.40E-06	0.34%	0.99%	
		1,2,3,7,8-Pentachlorodibenzofuran	2.70E-05	8.10E-06	6.63%	5.71%	
		1,2,3,7,8-Pentachlorodibenzo-p- Dioxin	4.10E-06	4.10E-06	1.01%	2.89%	
		2,3,4,6,7,8-Hexachlorodibenzofuran	2.80E-06	2.80E-06	0.69%	1.97%	
		2,3,4,7,8-Pentachlorodibenzofuran	1.10E-04	3.30E-05	27.02%	23.27%	
		2,3,7,8-Tetrachlorodibenzofuran	2.00E-04	2.00E-05	49.13%	14.10%	
		2,3,7,8-Tetrachlorodibenzo-p- Dioxin	9.20E-07	9.20E-07	0.23%	0.65%	
		Octachlorodibenzofuran	5.70E-08	1.71E-07	0.01%	0.12%	
		Octachlorodibenzo-p- Dioxin	6.60E-07	1.98E-06	0.16%	1.40%	
	SO7051 Total		4.07E-04	1.42E-04	100.00%	100.00%	

Notes:

[a] Dioxin-like PCBs were excluded from the Level II ERA because they were only measured in a single sample in which they contributed less than 4% to the total TEQ.

PCB - polychlorinated biphenyl
TEQ - toxicity equivalent