U.S. Fish and Wildlife Service
Maine Field Office
Special Project Report: FY02-MEFO-1-EC

ORGANOCHLORINE COMPOUNDS AND MERCURY IN BALD EAGLE EGGS, PENOBSCOT RIVER, MAINE

January 2002

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ABSTRACT

Four bald eagle (*Haliaeetus leucocephalus*) eggs from three nests on the Penobscot River, Maine, were analyzed for organochlorine contaminants and mercury. Eggs were collected in June 2000 within two weeks of nest abandonment. Tetrachlorodibenzo-*p*-dioxin toxic equivalents (TEQs) based on World Health Organization toxic equivalency factors for birds were determined for each egg. TEQs determined solely from polychlorinated dibenzodioxins and dibenzofurans ($TEQ_{PCDD/Fs}$) in the four eggs ranged from 15 to 59 pg/g, fresh wet weight (mean 35 pg/g, fww), while Total TEQs $_{(PCDD/Fs + planar\ PCBs)}$ ranged from 223 to 570 pg/g, fww (mean 385 pg/g, fww). The percent of total TEQs derived from PCDD/Fs averaged approximately 8%. PCB# 126 was the greatest contributor to the Total TEQ. The mean concentrations of total PCBs and p,p'-DDE in eggs were 9.05 µg/g, fww, and 1.53 µg/g, fww, respectively. Compared to previous Maine eagle egg studies, DDE levels were not markedly elevated in these 4 eggs. TEQ and total PCB levels in Maine eggs, however, continue to exceed No Effect Levels suggested for bald eagles. Mercury concentrations in eggs ranged from 0.12 µg/g to 0.25 µg/g, fww (mean 0.17 µg/g, fww). Mercury in these 4 eggs occurred at lower concentrations than previous Maine eagle egg studies and below suggested effects thresholds.

PREFACE

This report summarizes organochlorine and mercury analytical results of four bald eagle eggs collected from three nest sites along the Penobscot River, Maine. Analytical funding for this study was provided by the Endangered Species Program of the U.S. Fish and Wildlife Service (USFWS).

Questions, comments, and suggestions related to this report are encouraged. Written inquiries should refer to Report Number FY02-MEFO-1-EC and be directed to:

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Copies of this report may be downloaded from the Maine Field Office Environmental Contaminants website http://mainecontaminants.fws.gov/reports (portable document file reader required).

ACKNOWLEDGMENTS

The locations of addled eagle eggs were determined during overflights conducted by C. Todd, and personnel or contractors of the Maine Department of Inland Fisheries and Wildlife, USFWS, and the Maine Forest Service. Eagle eggs were recovered from nests by treeclimber B. Thompson. Analytical funding was secured through the efforts of K.Tripp and M. Amaral of the USFWS. Assistance with data interpretations and the adjustments for moisture loss was provided by J. Elliott of the Canadian Wildlife Service, C. Henny of the U.S. Geological Survey's Biological Resources Division, and T. Augspurger of the USFWS.

[a] Address of the USFWS Maine Field Office has changed since the report was written. Current address at the time of report reformatting (December 2011) is 17 Godfrey Drive, Suite 2, Orono, ME 04473.

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Appendix B ECDMS Analyical Report. Organochlorines. Geochemical & Environmental Research Group, Texas A&M, College Station, Texas. 2/01/01

Appendix C ECMDS Analytical Report. Trace elements. Geochemical & Environmental Research Group, Texas A&M, College Station, Texas. 1/26/01

1. Introduction

The bald eagle (*Haliaeetus leucocephalus*) is a highly charismatic wildlife species in Maine and the United States. In Maine, the species has been monitored by state and federal fish and wildlife agencies since the 1960s. Monitoring became more extensive and rigorous after the species was placed on the nation's Endangered Species List in 1978. In the decades following Endangered Species Act (ESA) listing, the breeding range and number of nesting pairs slowly increased throughout the state. Productivity of nesting pairs in Maine, however, has often been below ESA recovery goals (Owen *et al.* 1991). Poor breeding success in Maine bald eagles has been partly attributed to organochlorine compounds or mercury (Todd 1979, Wiemeyer *et al.* 1984, Wiemeyer *et al.* 1993, Welch 1994, Matz *et al.* 2000). The Penobscot River watershed has been an area of particular concern in eagle recovery efforts due to the discharge of organochlorine-contaminated effluent from kraft pulp and paper mills, and discharges from other mills, industries, municipalities, and non-point sources.

2. Study Purpose

The purpose of the study was:

► to determine levels of organochlorine compounds and mercury in bald eagle eggs collected from nest sites in the Penobscot River watershed.

3. Study Area

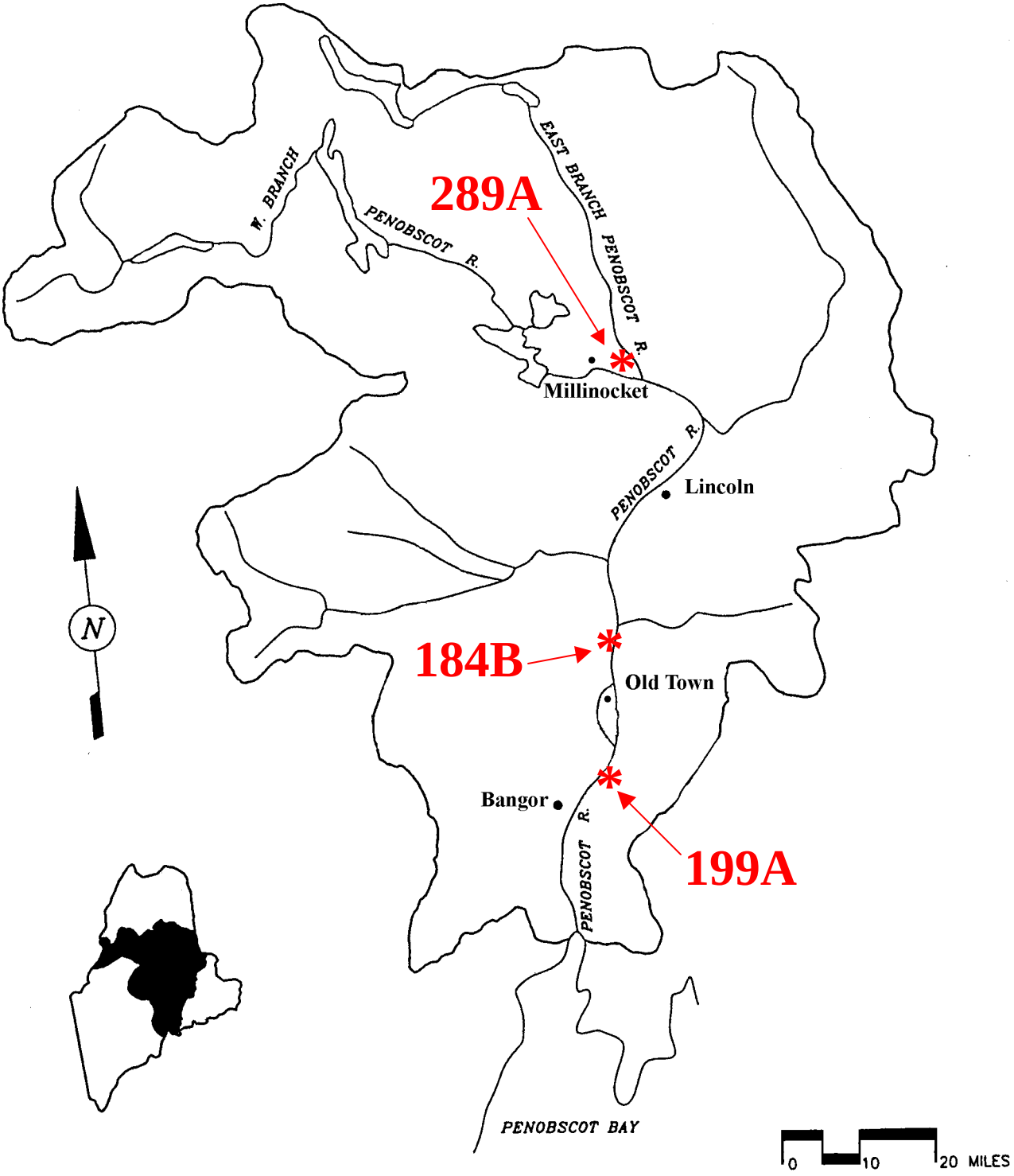
The study area is the Penobscot River watershed in Maine (**Figure 1**). The watershed encompasses 8,570 square miles and is comprised of five basins: the main stem and tributaries (including the Passadumkeag River system), the Piscataquis River basin, the Mattawamkeag River basin, the West Branch Penobscot, and the East Branch Penobscot (Baum 1983). Bald eagles have been regularly reported in northern portions of the Penobscot River watershed since monitoring plans were enacted. Eagles nesting along the Penobscot River represented one of the state's core riverine populations that greatly contributed to the recovery of the species in Maine (Todd C.S. 2001. Personal communication). Currently, the watershed has 78 bald eagle nesting areas (Todd 2000).

Addled eagle eggs were collected from three nest sites in the watershed (**Figure 1**). Nest ME289A, the most northern nest of the three sites, is located on the southwest shore of Dolby Pond. The pond is approximately 5 kilometers (3.1 miles) southeast and downriver from the center of the town of Millinocket. Dolby Pond is a shallow, 810 hectare (2,000 acre) Penobscot River impoundment that is bisected by State Highway Routes 157 and 11.

Nest ME184B, in the town of Argyle, is located on the left bank of the main stem of the river. The nearest significant population centers upriver of the Argyle nest are the towns of Howland and West Enfield (16 kilometers or 10 miles) and the town of Lincoln (38 kilometers or 24 miles). The town of Old Town is located approximately 13 kilometers (8 mi.) south of the Argyle nest. The southernmost nest is the study is ME199A in the town of Brewer. ME199A is also a main stem river nest site. Within 10 kilometers (6.2 mi.) of the nest are the towns of

Veazie and Orono and the cities of Brewer and Bangor. On the bank of the river opposite nest ME199A is a large natural-gas electrical generating plant.

Figure 1. Penobscot River watershed and locations of egg collection sites



4. Methods

Nesting inventories and production surveys from fixed-wing aircraft are conducted annually by personnel of the Maine Department of Inland Fisheries and Wildlife and other agencies. During the flights conducted in June 2000, unattended eggs were observed during surveys along the Penobscot River. On 28 June 2000, approximately two weeks after the expected hatch date, four addled eggs were recovered from three eagle nests by a tree climber (**Table 1**).

Eggs were measured (length, breadth, weight) in millimeters with dial calipers and scored at the equator with a stainless steel scalpels (**Table 2**). Egg contents were placed in contaminant-free glass jars with teflon-lined caps and frozen. Upon catalog approval, frozen samples were shipped overnight to the Geochemical and Environmental Research Group (GERG) at Texas A&M University. Egg contents were analyzed by GERG using EPA-approved analytical methods. All eggs were analyzed for metals, organochlorine pesticides, polychlorinated biphenyl congeners, polychlorinated dibenzodioxins (PCDD), and polychlorinated dibenzofurans (PCDF). QA/QC procedures were reviewed and approved by the USFWS Patuxent Analytical Control Facility (Appendix B pages 24-66, Appendix C pages 4-12). Contaminant concentrations are presented in the text and tables of this report on a fresh, wet-weight basis (adjusted for moisture loss) in pg/g (parts-per-trillion; TCDD, TEQs) and µg/g (parts-per-million; OC pesticides, Hg). Contaminant data in the analytical laboratory reports (Appendices B & C) are presented in µg/g dry and wet weight.

Eggs were collected within two weeks of abandonment and contained a high moisture content (> 80%). One egg, however, had a moisture content of only 63% (**Table 2**). Residue results were corrected for moisture loss (Stickel *et al.* 1973) and, as noted above, reported as fresh wet weight in pg/g (PCDD/Fs and planar PCBs) or µg/g (Total PCBs, DDE, Hg). A volume adjustment factor was used on one egg, ME289A, to account for loss of material during processing.

Table 1. Coordinates of Penobscot River nests where eggs were collected.

Nest No.	Collection Date	Township	Nest Location	Latitude	Longitude
ME289A	28 JUN 00	Millinocket	Dolby Pond	N45^{o} 38' 58"	W68^{o} 38' 16"
ME184B (2 eggs)	28 JUN 00	Argyle	River - Main Stem	N45^{o} 06' 32"	W68^{o} 38' 43"
ME199A	28 JUN 00	Brewer	River - Main Stem	N44^{o} 49' 11"	W68^{o} 42' 29"

5. Results

5.1 Egg Metrics - Although the length (mean 75.2 mm, standard deviation 1.75) and breadth (mean 55.6 mm., standard deviation 1.49) of the four eggs were similar (**Table 2**), one egg, ME199A was considerably different in other aspects. Total weight of eggs varied from 44 grams to 123 grams; ME199A weighed the least.

Sample weight (i.e., egg contents) varied from 28 grams to 106 grams. Egg ME199A had considerably less mass than the other eggs. During processing, egg ME289A exploded and approximately one-third of the contents were unrecoverable for analysis. Since ME289A was similar in size (e.g., length, breadth, total weight) to the eggs from the Argyle nest, an adjustment factor based on the measurements of eggs ME184B-1 and ME184B-2 was used to estimate total volume in the exploded egg.

Percent moisture was similar in three eggs (range: 82.0 % to 83.1%), but considerably less in ME199A (63.1%). Lipid content ranged from 3.8 to 4.9% in three eggs, while ME199A had a lipid content of 13.2%. During processing, egg contents in ME199A appeared conspicuously different from the others. The contents of ME199A comprised a dense, coarse, gray mass. The contents of the other eggs were primarily liquid with small bits of yellow tissue.

5.2 TCDD Toxic Equivalents (TEQs) - PCDD/F and PCB congener concentrations in Maine bald eagle eggs have not been previously reported. Tetrachlorodibenzo-*p*-dioxin (TCDD) concentrations in the four eggs collected in 2000 ranged from non-detect to 8.9 pg/g, fww (**Table 3**). TEF-adjusted concentrations of PCDDs plus PCDFs resulted in TEQs $_{PCDD/F}$ ranging from 15 to 59 pg/g, fww. Adding TEF-adjusted PCB congeners to PCDD/Fs equivalents produced TEQs $_{Total}$ ranging from 223 pg/g to 570 pg/g, fww.

Four dioxin congeners were detected in bald eagle eggs (Appendix A, **Table A-1**). The most potent dioxin congener, 2,3,7,8-TCDD, was detected in two eggs (7.5 pg/g in ME184B-1, 8.9 pg/g in ME199A). OCDD was detected in all eggs and ranged from 0.007 pg/g to 0.03 pg/g. Three eggs had detectable 1,2,3,6,7,8-HexaCDD concentrations and 1,2,3,7,8,9-HexaCDD was detected in one egg. Dioxin congeners accounted for less than 1% of the TEQ $_{PCDD/F}$ in two eggs - the eggs with no detectable TCDD. However, in ME184B-1 and ME199A, dioxins accounted for 29% and 24%, respectively, of the TEQ $_{PCDD/F}$ in eggs.

The majority of the TEQ $_{PCDD/F}$ in each egg was comprised of 1,2,3,7,8-PentaCDF. This Penta-CDF congener accounted for 63%, 46%, 80%, and 58% of the TEQ $_{PCDD/F}$ in eggs ME289A, ME184B-1, ME184B-2, and ME199A, respectively. The 2,3,7,8-TCDF congener, which equals 2,3,7,8 TCDD in toxicity to birds, was detected in three of the four eggs (range: 3.8 pg/g - 7.8 pg/g). All eggs contained 1,2,3,4,6,7,8-HeptaCDD, which comprised over 20% of the TEQ $_{PCDD/F}$ of ME289A.

Non-*ortho* PCB congeners, particularly PCB 77 and PCB 126, were the greatest contributors to the TEQ $_{Total}$ in eagle eggs collected from Penobscot River nests in breeding year 2000 (**Figure 2**). PCB126 was the organochlorine congener comprising the majority of the TEQ $_{Total}$ (Appendix A, **Table A-1**). In egg ME199A, PCB126 accounted for 63% of the TEQ $_{Total}$.

5.3 Total PCBs - Total PCBs levels in three eggs were similar - 6.23 µg/g, 7.25 µg/g, and 7.63 µg/g (**Table 4**). Total PCBs in the egg from Brewer (11.41 µg/g, ME199A), however, were nearly double the concentration of the other eggs. The mean Total PCB concentration for all eggs was 9.05 µg/g.

5.4 DDE - The DDT metabolite, DDE, was detected in all eggs. The highest concentration of DDE was found in the Brewer nest (ME199A @ 3.29 µg/g) followed by the egg from Millinocket (0.99 µg/g in ME289A) and the two Argyle eggs (0.75 µg/g in ME184B-1 and 0.64 µg/g in ME184B-2).

5.5 Mercury (Hg) - Mercury appeared highest in the egg from Millinocket (0.25 µg/g, ME289A) and lowest in the two eggs from the Argyle nest - 0.12 µg/g and 0.13 µg/g in ME184B-1 and ME184B-2, respectively (**Table 4**). ME199A had a mercury concentration of 0.17 µg/g.

Table 2. Egg metrics, percent moisture, and percent lipid

Sample No.	Total Weight (g)	Sample Weight (g)	Length (mm)	Mean Breadth (mm)	Percent Moisture	Percent Lipid
ME289A	118	66*	75.2	55.6	82.0	4.9
ME181B1	113	95	72.5	56.1	83.1	4.9
ME181B2	123	106	75.2	57.5	82.8	3.8
ME199A	44	28	71.9	53.9	63.1	13.2

* Portion of egg contents lost during processing.

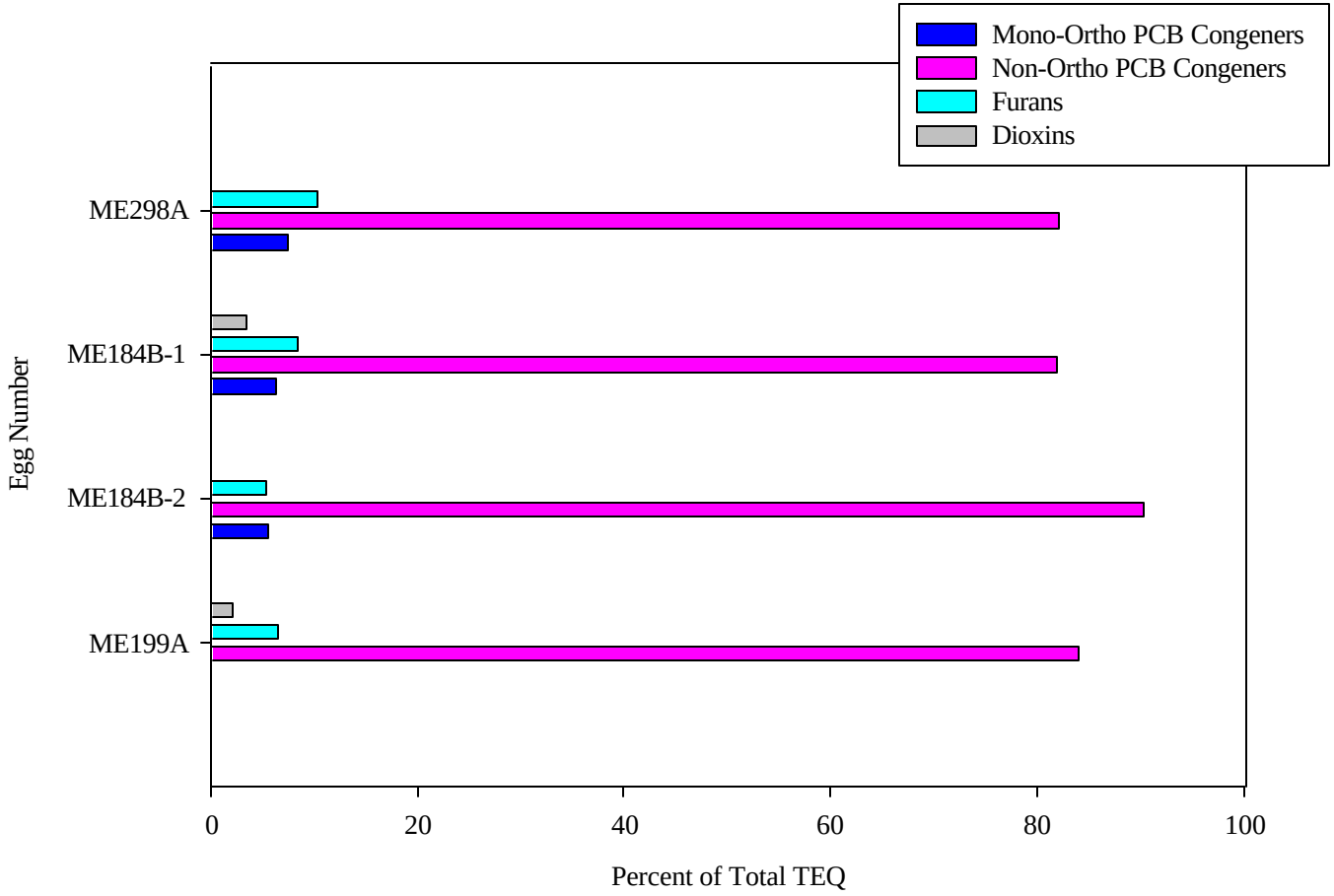
Table 3. TCDD, TEQ $_{PCDD/F}$ and TEQ $_{Total}$ in bald eagle eggs

Nest Number and Location	Concentrations pg/g, fresh wet weight		
	TCDD	TEQ $_{PCDD/F}$	TEQ $_{Total}$
ME289A (Millinocket)	Non-detect	59	570
ME184B-1 (Argyle)	7.5	26	223
ME184B-2 (Argyle)	Non-detect	15	281
ME199A (Brewer)	8.9	40	467

Table 4. Total PCBs, DDE, and Hg in bald eagle eggs

Nest Number and Location	Concentrations µg/g, fresh wet weight		
	Total PCBs	DDE	Hg
ME289A (Millinocket)	7.63	0.99	0.25
ME184B-1 (Argyle)	7.25	0.75	0.12
ME184B-2 (Argyle)	6.23	0.64	0.13
ME199A (Brewer)	11.41	3.29	0.17

Figure 2. Percentages of Organochlorine Groups Comprising TEQ



(Dioxins account for less than 1% in ME289A and ME184B-2)

6. Discussion

6.1 TCDD Toxic Equivalents (TEQs) - Tetrachlorodibenzo-*p*-dioxin (TCDD) toxic equivalents (Van den Berg *et al*. 1998) in the four eggs collected from nests along the Penobscot River were elevated when compared to suggested No-Effect-Levels for bald eagles and other raptors. An eagle-based, No-Effect-Level TEQ continues to evolve. In early hazard assessment models related to organochlorines and eagles, No-Effect-Levels of 1 pg/g, 7 pg/g, and 20 pg/g have been suggested (Kubiak and Best 1991, USFWS 1994, USFWS 1995, Bowerman *et al.* 1995, Giesy *et al.* 1995, USFWS 1996). These models were based on the effects of TCDD on chickens or other birds (e.g., pheasants and ducks) and extrapolated to bald eagles. More recent research to determine the potential effects of PCDD/Fs on raptors has been conducted in British Columbia with bald eagles and in Wisconsin with osprey. Elliott *et al.* (1996) examined bald eagle eggs collected in reference areas and near British Columbia pulp mills and suggested an egg NEL of 100 pg/g based on enzyme induction. In a re-analysis of their egg data, a NEL of 303 pg/g based on eagle egg hatchability has also been suggested (Elliott *et al.* in press). In a study of Wisconsin osprey, Woodford *et al.* (1998) concluded that the no-observable-adverse-effect level for embryo survival was equal to or greater than 136 pg/g. TEQs in bald eagle eggs from Penobscot River nests (mean 385 pg/g, range: 223 - 570 pg/g) were above the most recently suggested raptor NELs for enzyme induction, embryo survival, or egg hatchability.

6.2 Total PCBs - Total polychlorinated biphenyls (PCBs) have been measured in eagle eggs in several Maine studies (Wiemeyer *et al.* 1984, Wiemeyer *et al.* 1993, Welch 1994). Total PCB levels in four eggs from the Penobscot River watershed in 2000 were 6.23 µg/g, 7.25 µg/g, 7.63 µg/g and 11.41 µg/g. Compared to previous Maine bald eagle egg studies, eggs collected from the Penobscot River in 2000 were not highly elevated (**Table 5**). Total PCB concentrations in eggs from the Penobscot basin, however, remain within the lower end of the suggested adverse effect range (8 to 25 µg/g; Hoffman *et al*. 1996).

6.3 DDE - DDE concentrations in Penobscot River bald eagle eggs from 2000 appeared lower than eggs collected state-wide during the three previous decades (**Table 5**). The mean DDE concentration of 1.5 µg/g (range: 0.64 - 3.29 µg/g) in Penobscot River eagle eggs is below the suggested reproductive effect level of 3.6 µg/g (Wiemeyer *et al*. 1993).

6.4 Mercury (Hg) - Mercury in bald eagle eggs from the Penobscot River basin appeared to be lower than concentrations reported in earlier state-wide studies (**Table 6**). In 2000, the mercury levels in four eggs from the Penobscot watershed (0.12 µg/g, 0.13 µg/g, 0.17 µg/g, 0.25 µg/g) were less than the suggested adverse reproductive effect level of 0.50 µg/g (Wiemeyer *et al*. 1984).

Table 5. Total PCBs and DDE in bald eagle eggs from Penobscot River nests compared to state-wide Maine studies

Year(s)	n	Concentrations µg/g fww			
		Total PCBs		p,p'-DDE	
		Mean	Range	Mean	Range
1974 – 1979[a]	19	23.6	5.4 – 75.0	16.7	4.8 – 42.0
1980 – 1984[b]	12	17.1	6.7 – 37.0	8.2	5.0 – 16.0
1991[c]	7	16.5	2.7 – 66.1	4.4	1.0 – 10.9
2000[d]	4	9.05	6.2 – 11.4	1.5	0.6 – 3.3

[a] Wiemeyer *et al*. (1984), [b] Wiemeyer *et al*. (1993), [c] Welch 1994, [d] This study

Table 6. Mercury concentrations in bald eagle eggs from Penobscot River nests compared to state-wide Maine studies

Year(s)	n	Hg Concentration, µg/g fww	
		Mean	Range
1974 – 1979[a]	19	0.4	0.03 – 1.2
1980 – 1984[b]	12	0.4	0.19 – 1.3
1991[c]	7	0.4	0.22 – 1.3
2000[d]	4	0.17	0.12 – 0.25

[a] Wiemeyer *et al*. (1984), [b] Wiemeyer *et al*. (1993), [c] Welch 1994, [d] This study

7. Conclusions

TCDD toxicity equivalents (TEQs) based on concentrations of PCDDs, PCDFs, and planar PCBs were elevated in four bald eagle eggs collected from three nests in the Penobscot River watershed, Maine. TEQs exceeded suggested biological effect levels for bald eagles. Non-*ortho* PCB congeners, particularly PCB #126, were the greatest contributors to the TEQ.

PCBs and p,p'-DDE continue to persist in Maine bald eagle eggs. Total PCB levels in eggs remain within the lower end of the adverse effects range. DDE concentrations in eggs were less than concentrations reported in previous Maine studies, and below the threshold level for reproductive effects.

Mercury in bald eagle eggs from the Penobscot River basin appeared to occur at lower concentrations than levels reported in earlier Maine studies. None of the four eggs had mercury concentrations that exceeded the suggested reproductive effects level.

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APPENDIX A

Table A-1. TCDD-TEQ Calculations
Table A-2. Egg Volume Calculations
Table A-3. Derivation of Adjustment Factors

Table A-1. TEQs for Breeding Year 2000 Bald Eagle Eggs from the Penobscot River, pg/g fresh wet weight*.

Congeners	TEF	ME289A Dolby Pond		ME184B1 Argyle		ME184B2 Argyle		ME199A Brewer	
Dioxins		Adj. Conc*	TEQ	Adj. Conc*	TEQ	Adj. Conc*	TEQ	Adj. Conc*	TEQ
2,3,7,8-TCDD	1			7.5072	7.5072			8.942	8.942
1,2,3,6,7,8-HxCDD	0.01	8.1774	0.081774			8.6005	0.086005	24.8009	0.248009
1,2,3,7,8,9-HxCDD	0.1							3.2875	0.32875
OCDD	0.0001	309.75	0.030975	71.4816	0.0071482	74.8995	0.00749	355.05	0.035505
Furans									
2,3,7,8-TCDF	1	7.847	7.847	3.8352	3.8352			3.9713	3.9713
1,2,3,7,8-PeCDF	0.1	378.308	37.8308	119.952	11.9952	124.415	12.4415	229.599	22.9599
1,2,3,4,6,7,8-HpCDF	0.01	1338.12	13.3812	300.288	3.00288	241.315	2.41315	336.64	3.3664
1,2,3,4,7,8,9-HpCDF	0.01							20.5403	0.205403
OCDF	0.0001	37.583	0.0037583			23.046	0.0023046	9.7836	0.0009784
TEQ PCDD/F			59		26		15		40
Non-ortho PCBs									
PCB#77	0.05	3873.94	193.697	1460.64	73.032	1920.5	96.025	1625.34	81.267
PCB#126	0.1	2444.96	244.496	1093.44	109.344	1185.7	118.57	2945.6	294.56
PCB#169	0.001							526	0.526
PCB#81	0.1	299.012	29.9012			392.45	39.245	165.164	16.5164
Mono-ortho PCBs									
PCB#105	0.0001	99946	9.9946	36801.6	3.68016	28557	2.8557	77322	7.7322
PCB#156	0.0001	260190	26.019	74664	7.4664	66132	6.6132	205140	20.514
PCB#118	0.00001	514598	5.14598	254592	2.54592	221275	2.21275	531260	5.3126
PCB#167	0.00001	92512	0.92512	34843.2	0.348432	30060	0.3006	71273	0.71273
PCB#189	0.00001	19328.4	0.193284	881.28	0.0088128	7439.85	0.0743985	16306	0.16306
TEQ Total (PCDD/Fs + planar PCBs)			570		223		281		467
Percent of TEQ Total from PCDD/Fs			10%		12%		5%		8%

*Adjusted for moisture loss
TEFs from Van den Berg *et al* . 1998

Table A-2. Egg Volume Calculations

Equation: Egg Volume = 0.51*Egg Length*(Egg breadth)^2

Egg No.	Volume Coefficient (Kv)	Egg Length (cm)	Egg Breadth^2 (cm)	Egg Volume
ME289A	0.51	7.52	30.9	118.6
ME184B-1	0.51	7.25	31.5	116.4
ME184B-2	0.51	7.52	33.1	126.8
ME199A	0.51	7.19	29.1	106.5

Volume equation derived from Stickel *et al* . (1973).

Table A-3. Derivation of Adjustment Factors to Calculate Fresh Wet Weight Concentrations

Equations:
Adjustment Factor = Whole Sample Wet Weight/Egg Volume
ppm (Fresh Wet Weight) = (Adjustment Factor) * (ppm, Reported Wet Weight Value)

Sample No.	Whole Sample Wet Weight (g)	Egg Volume	Adjustment Factor
ME289A	66	118.6	0.825[a]
ME184B-1	95	116.4	0.816
ME184B-2	106	126.8	0.836
ME199A	28	106.5	0.263

[a] Due to loss of sample material during processing, the equation was not used for Sample ME289A.
The adjustment factor for ME289A is the mean of ME184B-1 and ME184B-2, which had dimensions similar to ME289A.

APPENDIX B – Eggs

Organochlorines

ECDMS Analytical Report
Geochemical & Environmental Research Group
Texas A&M, College Station, Texas
2/01/01

Analytical Results Report TOC

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1. ECDMS Analytical Results Report 12/30/2011

Catalog Number	Purchase Order Number	Lab ID	Catalog Submitter	ECDMS User ID
5030102	92223-00-Y516	GERG	Mierzykowski, Steve - Concord, NH	r5nefo

Catalog Title	Bald Eagle Addled Eggs - 2000
Lab Name:	Geochemical and Environmental Research Group
Regional Study ID:	5F01
Regional Study Title:	Emergency Analytical Funds

Notes, Symbols and Abbreviations Used
Based on the report options selected the report should be **printed in landscape mode**
Notes, Symbols and Abbreviations Used The following may appear before a reported result (e.g. < 1234). < - Less than symbol indicates that the actual result is less than the reported detection limit. > - Greater than symbol indicates that the actual result is greater than the reported result.
All results are reported as 3 significant digits.
All results are reported as parts per million (ppm), or percent, unless otherwise noted.

1. Integrity Report

Lab Receipt Date	08/15/2000	**Lab Approval Date**	08/15/2000

Catalog Problems
No problems reported
Problem Resolution

2. Bulk Data

Sample Number	Sample Matrix	Percent Lipid	Percent Moisture
MA97MR1	Avian Egg	4.90	76.2
MA97QR01	Avian Egg	4.40	80.9
ME184B1	Avian Egg	4.90	83.1
ME184B2	Avian Egg	3.80	82.8
ME199A	Avian Egg	13.2	63.1
ME289A	Avian Egg	4.90	82.0

4. Contaminant Concentrations

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
1,2,3,4,6,7,8-HpCDD						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	< 0.0000258	0.0000258	< 0.00000952	0.00000952
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
1,2,3,4,6,7,8-HpCDF						
	ME184B1	Avian Egg	0.00218	0.0000571	0.000368	0.00000965
	ME184B2	Avian Egg	0.00168	0.0000554	0.000289	0.00000952
	ME199A	Avian Egg	0.00348	0.0000258	0.00128	0.00000952
	ME289A	Avian Egg	0.00895	0.0000541	0.00162	0.00000978
1,2,3,4,7,8,9-HpCDF						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	0.000212	0.0000258	0.0000781	0.00000952
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
1,2,3,4,7,8-HxCDD						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	< 0.0000258	0.0000258	< 0.00000952	0.00000952
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
1,2,3,4,7,8-HxCDF						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	< 0.0000258	0.0000258	< 0.00000952	0.00000952
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
1,2,3,4-Tetrachlorobenzene						
	MA97MR1	Avian Egg	1.95	0.0699	0.465	0.0167

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	2.48	0.0531	0.914	0.0196
	ME289A	Avian Egg	0.120	0.0939	0.0217	0.0169
1,2,3,6,7,8-HxCDD						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	0.0000599	0.0000554	0.0000103	0.00000952
	ME199A	Avian Egg	0.000256	0.0000258	0.0000943	0.00000952
	ME289A	Avian Egg	0.0000547	0.0000541	0.00000990	0.00000978
1,2,3,6,7,8-HxCDF						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	< 0.0000258	0.0000258	< 0.00000952	0.00000952
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
1,2,3,7,8,9-HxCDD						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	0.0000339	0.0000258	0.0000125	0.00000952
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
1,2,3,7,8,9-HxCDF						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	< 0.0000258	0.0000258	< 0.00000952	0.00000952
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
1,2,3,7,8-PeCDD						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	< 0.0000258	0.0000258	< 0.00000952	0.00000952

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
1,2,3,7,8-PeCDF						
	ME184B1	Avian Egg	0.000867	0.0000571	0.000147	0.00000965
	ME184B2	Avian Egg	0.000866	0.0000554	0.000149	0.00000952
	ME199A	Avian Egg	0.00237	0.0000258	0.000873	0.00000952
	ME289A	Avian Egg	0.00253	0.0000541	0.000458	0.00000978
1,2,4,5-Tetrachlorobenzene						
	MA97MR1	Avian Egg	0.115	0.0699	0.0275	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	0.411	0.0531	0.152	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
2,3,4,6,7,8-HxCDF						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	< 0.0000258	0.0000258	< 0.00000952	0.00000952
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
2,3,4,7,8-PeCDF						
	ME184B1	Avian Egg	< 0.0000571	0.0000571	< 0.00000965	0.00000965
	ME184B2	Avian Egg	< 0.0000554	0.0000554	< 0.00000952	0.00000952
	ME199A	Avian Egg	< 0.0000258	0.0000258	< 0.00000952	0.00000952
	ME289A	Avian Egg	< 0.0000541	0.0000541	< 0.00000978	0.00000978
2,3,7,8-TCDD						
	ME184B1	Avian Egg	0.0000544	0.0000114	0.00000920	0.00000193
	ME184B2	Avian Egg	< 0.0000111	0.0000111	< 0.00000190	0.00000190
	ME199A	Avian Egg	0.0000921	0.00000516	0.0000340	0.00000190
	ME289A	Avian Egg	< 0.0000108	0.0000108	< 0.00000196	0.00000196
2,3,7,8-TCDF						

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME184B1	Avian Egg	0.0000278	0.0000114	0.00000470	0.00000193
	ME184B2	Avian Egg	< 0.0000111	0.0000111	< 0.00000190	0.00000190
	ME199A	Avian Egg	0.0000409	0.00000516	0.0000151	0.00000190
	ME289A	Avian Egg	0.0000525	0.0000108	0.00000950	0.00000196
Aldrin						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
HCB						
	MA97MR1	Avian Egg	0.0920	0.0699	0.0219	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	0.152	0.0531	0.0560	0.0196
	ME289A	Avian Egg	0.228	0.0939	0.0411	0.0169
Heptachlor						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
OCDD						
	ME184B1	Avian Egg	0.000518	0.000114	0.0000876	0.0000193
	ME184B2	Avian Egg	0.000522	0.000111	0.0000897	0.0000190
	ME199A	Avian Egg	0.00366	0.0000516	0.00135	0.0000190

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME289A	Avian Egg	0.00207	0.000108	0.000375	0.0000196
OCDF						
	ME184B1	Avian Egg	< 0.000114	0.000114	< 0.0000193	0.0000193
	ME184B2	Avian Egg	0.000160	0.000111	0.0000276	0.0000190
	ME199A	Avian Egg	0.000101	0.0000516	0.0000372	0.0000190
	ME289A	Avian Egg	0.000251	0.000108	0.0000455	0.0000196
PCB# 1						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	0.126	0.00184	0.0241	0.000351
	ME184B1	Avian Egg	0.141	0.00204	0.0238	0.000345
	ME184B2	Avian Egg	0.139	0.00177	0.0239	0.000303
	ME199A	Avian Egg	0.0310	0.00106	0.0114	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 101/90						
	MA97MR1	Avian Egg	4.08	0.00140	0.973	0.000333
	MA97QR01	Avian Egg	0.584	0.00184	0.111	0.000351
	ME184B1	Avian Egg	0.276	0.00204	0.0467	0.000345
	ME184B2	Avian Egg	0.244	0.00177	0.0419	0.000303
	*ME199A	Avian Egg	1.18	0.00106	0.435	0.000392
	ME289A	Avian Egg	1.09	0.00188	0.196	0.000339
PCB# 105						
	MA97MR1	Avian Egg	2.12	0.00140	0.506	0.000333
	MA97QR01	Avian Egg	0.314	0.00184	0.0598	0.000351
	ME184B1	Avian Egg	0.267	0.00204	0.0451	0.000345
	ME184B2	Avian Egg	0.199	0.00177	0.0342	0.000303
	*ME199A	Avian Egg	0.797	0.00106	0.294	0.000392
	ME289A	Avian Egg	0.669	0.00188	0.121	0.000339
PCB# 107						
	MA97MR1	Avian Egg	0.985	0.00140	0.235	0.000333

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97QR01	Avian Egg	0.237	0.00184	0.0452	0.000351
	ME184B1	Avian Egg	0.186	0.00204	0.0314	0.000345
	ME184B2	Avian Egg	0.150	0.00177	0.0257	0.000303
	ME199A	Avian Egg	0.526	0.00106	0.194	0.000392
	ME289A	Avian Egg	0.355	0.00188	0.0642	0.000339
PCB# 110						
	MA97MR1	Avian Egg	1.47	0.00140	0.350	0.000333
	MA97QR01	Avian Egg	0.228	0.00184	0.0435	0.000351
	ME184B1	Avian Egg	0.148	0.00204	0.0250	0.000345
	ME184B2	Avian Egg	0.131	0.00177	0.0224	0.000303
	*ME199A	Avian Egg	0.221	0.00106	0.0815	0.000392
	ME289A	Avian Egg	0.494	0.00188	0.0891	0.000339
PCB# 114						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 118						
	MA97MR1	Avian Egg	11.0	0.00140	2.63	0.000333
	MA97QR01	Avian Egg	1.49	0.00184	0.285	0.000351
	ME184B1	Avian Egg	1.85	0.00204	0.312	0.000345
	ME184B2	Avian Egg	1.54	0.00177	0.265	0.000303
	*ME199A	Avian Egg	5.48	0.00106	2.02	0.000392
	ME289A	Avian Egg	3.45	0.00188	0.623	0.000339
PCB# 119						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 126						
	MA97MR1	Avian Egg	0.0525	0.00140	0.0125	0.000333
	MA97QR01	Avian Egg	0.0181	0.00184	0.00344	0.000351
	ME184B1	Avian Egg	0.00792	0.00204	0.00134	0.000345
	ME184B2	Avian Egg	0.00825	0.00177	0.00142	0.000303
	ME199A	Avian Egg	0.0305	0.00106	0.0112	0.000392
	ME289A	Avian Egg	0.0164	0.00188	0.00296	0.000339
PCB# 128						
	MA97MR1	Avian Egg	2.18	0.00140	0.520	0.000333
	MA97QR01	Avian Egg	0.831	0.00184	0.159	0.000351
	ME184B1	Avian Egg	0.370	0.00204	0.0626	0.000345
	ME184B2	Avian Egg	0.309	0.00177	0.0530	0.000303
	*ME199A	Avian Egg	2.36	0.00106	0.871	0.000392
	ME289A	Avian Egg	0.909	0.00188	0.164	0.000339
PCB# 129						
	MA97MR1	Avian Egg	0.221	0.00140	0.0527	0.000333
	MA97QR01	Avian Egg	0.0370	0.00184	0.00706	0.000351
	ME184B1	Avian Egg	0.0317	0.00204	0.00536	0.000345
	ME184B2	Avian Egg	0.0238	0.00177	0.00408	0.000303
	*ME199A	Avian Egg	0.0584	0.00106	0.0215	0.000392
	ME289A	Avian Egg	0.108	0.00188	0.0194	0.000339
PCB# 130						
	MA97MR1	Avian Egg	0.652	0.00140	0.155	0.000333
	MA97QR01	Avian Egg	0.295	0.00184	0.0562	0.000351
	ME184B1	Avian Egg	0.106	0.00204	0.0179	0.000345

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME184B2	Avian Egg	0.0885	0.00177	0.0152	0.000303
	ME199A	Avian Egg	0.549	0.00106	0.203	0.000392
	ME289A	Avian Egg	0.273	0.00188	0.0493	0.000339
PCB# 135						
	MA97MR1	Avian Egg	0.318	0.00140	0.0758	0.000333
	MA97QR01	Avian Egg	0.138	0.00184	0.0263	0.000351
	ME184B1	Avian Egg	0.0880	0.00204	0.0149	0.000345
	ME184B2	Avian Egg	0.0620	0.00177	0.0106	0.000303
	ME199A	Avian Egg	0.200	0.00106	0.0737	0.000392
	ME289A	Avian Egg	0.323	0.00188	0.0583	0.000339
PCB# 136						
	MA97MR1	Avian Egg	0.0212	0.00140	0.00505	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 138/160						
	MA97MR1	Avian Egg	16.0	0.00140	3.82	0.000333
	MA97QR01	Avian Egg	6.45	0.00184	1.23	0.000351
	ME184B1	Avian Egg	3.17	0.00204	0.537	0.000345
	ME184B2	Avian Egg	2.65	0.00177	0.454	0.000303
	*ME199A	Avian Egg	15.7	0.00106	5.78	0.000392
	ME289A	Avian Egg	9.04	0.00188	1.63	0.000339
PCB# 141/179						
	MA97MR1	Avian Egg	1.94	0.00140	0.461	0.000333
	MA97QR01	Avian Egg	0.382	0.00184	0.0729	0.000351
	ME184B1	Avian Egg	0.205	0.00204	0.0346	0.000345
	ME184B2	Avian Egg	0.188	0.00177	0.0323	0.000303

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*ME199A	Avian Egg	0.698	0.00106	0.258	0.000392
	ME289A	Avian Egg	1.13	0.00188	0.203	0.000339
PCB# 146						
	MA97MR1	Avian Egg	3.71	0.00140	0.885	0.000333
	MA97QR01	Avian Egg	0.844	0.00184	0.161	0.000351
	ME184B1	Avian Egg	0.679	0.00204	0.115	0.000345
	ME184B2	Avian Egg	0.575	0.00177	0.0987	0.000303
	*ME199A	Avian Egg	4.10	0.00106	1.51	0.000392
	ME289A	Avian Egg	1.47	0.00188	0.265	0.000339
PCB# 149/123						
	MA97MR1	Avian Egg	1.10	0.00140	0.262	0.000333
	MA97QR01	Avian Egg	0.299	0.00184	0.0570	0.000351
	ME184B1	Avian Egg	0.220	0.00204	0.0372	0.000345
	ME184B2	Avian Egg	0.162	0.00177	0.0278	0.000303
	*ME199A	Avian Egg	0.630	0.00106	0.233	0.000392
	ME289A	Avian Egg	0.915	0.00188	0.165	0.000339
PCB# 15						
	MA97MR1	Avian Egg	0.0553	0.00140	0.0132	0.000333
	MA97QR01	Avian Egg	0.0151	0.00184	0.00289	0.000351
	ME184B1	Avian Egg	0.0351	0.00204	0.00594	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	0.00464	0.00106	0.00171	0.000392
	ME289A	Avian Egg	0.0108	0.00188	0.00195	0.000339
PCB# 151						
	MA97MR1	Avian Egg	0.425	0.00140	0.101	0.000333
	MA97QR01	Avian Egg	0.183	0.00184	0.0349	0.000351
	ME184B1	Avian Egg	0.0920	0.00204	0.0156	0.000345
	ME184B2	Avian Egg	0.0692	0.00177	0.0119	0.000303
	*ME199A	Avian Egg	0.301	0.00106	0.111	0.000392

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME289A	Avian Egg	0.498	0.00188	0.0899	0.000339
PCB# 153/132						
	MA97MR1	Avian Egg	21.5	0.00140	5.13	0.000333
	MA97QR01	Avian Egg	8.38	0.00184	1.60	0.000351
	ME184B1	Avian Egg	5.69	0.00204	0.962	0.000345
	ME184B2	Avian Egg	4.81	0.00177	0.824	0.000303
	*ME199A	Avian Egg	22.5	0.00106	8.29	0.000392
	ME289A	Avian Egg	12.5	0.00188	2.25	0.000339
PCB# 156						
	MA97MR1	Avian Egg	2.82	0.00140	0.672	0.000333
	MA97QR01	Avian Egg	0.871	0.00184	0.166	0.000351
	ME184B1	Avian Egg	0.541	0.00204	0.0915	0.000345
	ME184B2	Avian Egg	0.462	0.00177	0.0792	0.000303
	ME199A	Avian Egg	2.11	0.00106	0.780	0.000392
	ME289A	Avian Egg	1.74	0.00188	0.315	0.000339
PCB# 158						
	MA97MR1	Avian Egg	2.27	0.00140	0.541	0.000333
	MA97QR01	Avian Egg	0.642	0.00184	0.122	0.000351
	ME184B1	Avian Egg	0.383	0.00204	0.0647	0.000345
	ME184B2	Avian Egg	0.317	0.00177	0.0544	0.000303
	*ME199A	Avian Egg	1.49	0.00106	0.550	0.000392
	ME289A	Avian Egg	1.32	0.00188	0.238	0.000339
PCB# 16/32						
	MA97MR1	Avian Egg	0.0375	0.00140	0.00895	0.000333
	MA97QR01	Avian Egg	0.00243	0.00184	0.000464	0.000351
	ME184B1	Avian Egg	0.00790	0.00204	0.00134	0.000345
	ME184B2	Avian Egg	0.0200	0.00177	0.00342	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	0.00915	0.00188	0.00165	0.000339

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
PCB# 166						
	MA97MR1	Avian Egg	0.0634	0.00140	0.0151	0.000333
	MA97QR01	Avian Egg	0.0201	0.00184	0.00384	0.000351
	ME184B1	Avian Egg	0.0118	0.00204	0.00199	0.000345
	ME184B2	Avian Egg	0.00952	0.00177	0.00163	0.000303
	ME199A	Avian Egg	0.0207	0.00106	0.00764	0.000392
	ME289A	Avian Egg	0.0174	0.00188	0.00314	0.000339
PCB# 167						
	MA97MR1	Avian Egg	1.24	0.00140	0.297	0.000333
	MA97QR01	Avian Egg	0.345	0.00184	0.0658	0.000351
	ME184B1	Avian Egg	0.252	0.00204	0.0427	0.000345
	ME184B2	Avian Egg	0.210	0.00177	0.0360	0.000303
	*ME199A	Avian Egg	0.734	0.00106	0.271	0.000392
	ME289A	Avian Egg	0.618	0.00188	0.112	0.000339
PCB# 169						
	MA97MR1	Avian Egg	0.00758	0.00140	0.00181	0.000333
	MA97QR01	Avian Egg	0.00287	0.00184	0.000548	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	0.00541	0.00106	0.00200	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 170/190						
	MA97MR1	Avian Egg	4.17	0.00140	0.993	0.000333
	MA97QR01	Avian Egg	1.59	0.00184	0.303	0.000351
	ME184B1	Avian Egg	0.966	0.00204	0.163	0.000345
	ME184B2	Avian Egg	0.784	0.00177	0.135	0.000303
	*ME199A	Avian Egg	3.48	0.00106	1.28	0.000392
	ME289A	Avian Egg	3.41	0.00188	0.615	0.000339
PCB# 171/202						

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97MR1	Avian Egg	0.632	0.00140	0.151	0.000333
	MA97QR01	Avian Egg	0.212	0.00184	0.0405	0.000351
	ME184B1	Avian Egg	0.187	0.00204	0.0317	0.000345
	ME184B2	Avian Egg	0.152	0.00177	0.0261	0.000303
	*ME199A	Avian Egg	0.604	0.00106	0.223	0.000392
	ME289A	Avian Egg	0.516	0.00188	0.0931	0.000339
PCB# 172						
	MA97MR1	Avian Egg	0.847	0.00140	0.202	0.000333
	MA97QR01	Avian Egg	0.295	0.00184	0.0562	0.000351
	ME184B1	Avian Egg	0.227	0.00204	0.0385	0.000345
	ME184B2	Avian Egg	0.191	0.00177	0.0327	0.000303
	*ME199A	Avian Egg	0.713	0.00106	0.263	0.000392
	ME289A	Avian Egg	0.685	0.00188	0.124	0.000339
PCB# 174						
	MA97MR1	Avian Egg	0.457	0.00140	0.109	0.000333
	MA97QR01	Avian Egg	0.123	0.00184	0.0235	0.000351
	ME184B1	Avian Egg	0.132	0.00204	0.0223	0.000345
	ME184B2	Avian Egg	0.112	0.00177	0.0193	0.000303
	*ME199A	Avian Egg	0.288	0.00106	0.106	0.000392
	ME289A	Avian Egg	0.598	0.00188	0.108	0.000339
PCB# 175						
	MA97MR1	Avian Egg	0.127	0.00140	0.0303	0.000333
	MA97QR01	Avian Egg	0.0618	0.00184	0.0118	0.000351
	ME184B1	Avian Egg	0.0561	0.00204	0.00949	0.000345
	ME184B2	Avian Egg	0.0449	0.00177	0.00770	0.000303
	ME199A	Avian Egg	0.118	0.00106	0.0434	0.000392
	ME289A	Avian Egg	0.161	0.00188	0.0290	0.000339
PCB# 176/137						
	MA97MR1	Avian Egg	0.670	0.00140	0.160	0.000333

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97QR01	Avian Egg	0.242	0.00184	0.0462	0.000351
	ME184B1	Avian Egg	0.138	0.00204	0.0233	0.000345
	ME184B2	Avian Egg	0.117	0.00177	0.0201	0.000303
	ME199A	Avian Egg	0.694	0.00106	0.256	0.000392
	ME289A	Avian Egg	0.408	0.00188	0.0737	0.000339
PCB# 177						
	MA97MR1	Avian Egg	1.02	0.00140	0.244	0.000333
	MA97QR01	Avian Egg	0.328	0.00184	0.0627	0.000351
	ME184B1	Avian Egg	0.311	0.00204	0.0527	0.000345
	ME184B2	Avian Egg	0.262	0.00177	0.0449	0.000303
	*ME199A	Avian Egg	1.04	0.00106	0.385	0.000392
	ME289A	Avian Egg	1.10	0.00188	0.198	0.000339
PCB# 178						
	MA97MR1	Avian Egg	0.624	0.00140	0.149	0.000333
	MA97QR01	Avian Egg	0.252	0.00184	0.0480	0.000351
	ME184B1	Avian Egg	0.167	0.00204	0.0282	0.000345
	ME184B2	Avian Egg	0.138	0.00177	0.0237	0.000303
	ME199A	Avian Egg	0.770	0.00106	0.284	0.000392
	ME289A	Avian Egg	0.505	0.00188	0.0911	0.000339
PCB# 18/17						
	MA97MR1	Avian Egg	0.0235	0.00140	0.00559	0.000333
	MA97QR01	Avian Egg	0.0142	0.00184	0.00272	0.000351
	ME184B1	Avian Egg	0.0181	0.00204	0.00306	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	0.00297	0.00106	0.00110	0.000392
	ME289A	Avian Egg	0.00227	0.00188	0.000410	0.000339
PCB# 180						
	MA97MR1	Avian Egg	33.7	0.00140	8.03	0.000333
	MA97QR01	Avian Egg	7.59	0.00184	1.45	0.000351

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME184B1	Avian Egg	27.8	0.00204	4.71	0.000345
	ME184B2	Avian Egg	23.0	0.00177	3.94	0.000303
	*ME199A	Avian Egg	17.3	0.00106	6.38	0.000392
	ME289A	Avian Egg	12.0	0.00188	2.17	0.000339
PCB# 183						
	MA97MR1	Avian Egg	2.26	0.00140	0.539	0.000333
	MA97QR01	Avian Egg	0.818	0.00184	0.156	0.000351
	ME184B1	Avian Egg	0.621	0.00204	0.105	0.000345
	ME184B2	Avian Egg	0.527	0.00177	0.0905	0.000303
	*ME199A	Avian Egg	2.44	0.00106	0.902	0.000392
	ME289A	Avian Egg	1.94	0.00188	0.350	0.000339
PCB# 185						
	MA97MR1	Avian Egg	0.201	0.00140	0.0480	0.000333
	MA97QR01	Avian Egg	0.0652	0.00184	0.0124	0.000351
	ME184B1	Avian Egg	0.0431	0.00204	0.00729	0.000345
	ME184B2	Avian Egg	0.0360	0.00177	0.00617	0.000303
	*ME199A	Avian Egg	0.0934	0.00106	0.0345	0.000392
	ME289A	Avian Egg	0.218	0.00188	0.0394	0.000339
PCB# 187						
	MA97MR1	Avian Egg	7.68	0.00140	1.83	0.000333
	MA97QR01	Avian Egg	2.04	0.00184	0.389	0.000351
	ME184B1	Avian Egg	1.56	0.00204	0.264	0.000345
	ME184B2	Avian Egg	1.30	0.00177	0.223	0.000303
	*ME199A	Avian Egg	7.51	0.00106	2.77	0.000392
	ME289A	Avian Egg	5.40	0.00188	0.975	0.000339
PCB# 189						
	MA97MR1	Avian Egg	0.213	0.00140	0.0508	0.000333
	MA97QR01	Avian Egg	0.0995	0.00184	0.0190	0.000351
	ME184B1	Avian Egg	0.0641	0.00204	0.0108	0.000345

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME184B2	Avian Egg	0.0519	0.00177	0.00891	0.000303
	*ME199A	Avian Egg	0.168	0.00106	0.0620	0.000392
	ME289A	Avian Egg	0.130	0.00188	0.0234	0.000339
PCB# 191						
	MA97MR1	Avian Egg	0.219	0.00140	0.0522	0.000333
	MA97QR01	Avian Egg	0.0867	0.00184	0.0165	0.000351
	ME184B1	Avian Egg	0.0709	0.00204	0.0120	0.000345
	ME184B2	Avian Egg	0.0601	0.00177	0.0103	0.000303
	*ME199A	Avian Egg	0.132	0.00106	0.0488	0.000392
	ME289A	Avian Egg	0.179	0.00188	0.0324	0.000339
PCB# 193						
	MA97MR1	Avian Egg	0.623	0.00140	0.148	0.000333
	MA97QR01	Avian Egg	0.258	0.00184	0.0491	0.000351
	ME184B1	Avian Egg	0.215	0.00204	0.0364	0.000345
	ME184B2	Avian Egg	0.181	0.00177	0.0311	0.000303
	*ME199A	Avian Egg	0.596	0.00106	0.220	0.000392
	ME289A	Avian Egg	0.497	0.00188	0.0897	0.000339
PCB# 194						
	MA97MR1	Avian Egg	2.76	0.00140	0.657	0.000333
	MA97QR01	Avian Egg	1.22	0.00184	0.232	0.000351
	ME184B1	Avian Egg	0.623	0.00204	0.105	0.000345
	ME184B2	Avian Egg	0.519	0.00177	0.0889	0.000303
	*ME199A	Avian Egg	1.85	0.00106	0.684	0.000392
	ME289A	Avian Egg	1.75	0.00188	0.315	0.000339
PCB# 195/208						
	MA97MR1	Avian Egg	1.00	0.00140	0.239	0.000333
	MA97QR01	Avian Egg	0.310	0.00184	0.0591	0.000351
	ME184B1	Avian Egg	0.185	0.00204	0.0313	0.000345
	ME184B2	Avian Egg	0.158	0.00177	0.0270	0.000303

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*ME199A	Avian Egg	0.629	0.00106	0.232	0.000392
	ME289A	Avian Egg	0.534	0.00188	0.0964	0.000339
PCB# 196/203						
	MA97MR1	Avian Egg	2.67	0.00140	0.637	0.000333
	MA97QR01	Avian Egg	0.856	0.00184	0.163	0.000351
	ME184B1	Avian Egg	0.512	0.00204	0.0866	0.000345
	ME184B2	Avian Egg	0.432	0.00177	0.0740	0.000303
	*ME199A	Avian Egg	1.80	0.00106	0.665	0.000392
	ME289A	Avian Egg	1.53	0.00188	0.277	0.000339
PCB# 197						
	MA97MR1	Avian Egg	0.0963	0.00140	0.0230	0.000333
	MA97QR01	Avian Egg	0.0334	0.00184	0.00637	0.000351
	ME184B1	Avian Egg	0.0233	0.00204	0.00394	0.000345
	ME184B2	Avian Egg	0.0205	0.00177	0.00351	0.000303
	ME199A	Avian Egg	0.0914	0.00106	0.0337	0.000392
	ME289A	Avian Egg	0.0687	0.00188	0.0124	0.000339
PCB# 199						
	MA97MR1	Avian Egg	2.55	0.00140	0.609	0.000333
	MA97QR01	Avian Egg	0.866	0.00184	0.165	0.000351
	ME184B1	Avian Egg	0.529	0.00204	0.0894	0.000345
	ME184B2	Avian Egg	0.442	0.00177	0.0758	0.000303
	*ME199A	Avian Egg	2.04	0.00106	0.752	0.000392
	ME289A	Avian Egg	1.52	0.00188	0.274	0.000339
PCB# 200						
	MA97MR1	Avian Egg	0.0794	0.00140	0.0189	0.000333
	MA97QR01	Avian Egg	0.0145	0.00184	0.00276	0.000351
	ME184B1	Avian Egg	0.0330	0.00204	0.00558	0.000345
	ME184B2	Avian Egg	0.0271	0.00177	0.00464	0.000303
	ME199A	Avian Egg	0.0374	0.00106	0.0138	0.000392

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME289A	Avian Egg	0.0926	0.00188	0.0167	0.000339
PCB# 201						
	MA97MR1	Avian Egg	0.188	0.00140	0.0447	0.000333
	MA97QR01	Avian Egg	0.0765	0.00184	0.0146	0.000351
	ME184B1	Avian Egg	0.0370	0.00204	0.00626	0.000345
	ME184B2	Avian Egg	0.0305	0.00177	0.00524	0.000303
	*ME199A	Avian Egg	0.150	0.00106	0.0553	0.000392
	ME289A	Avian Egg	0.152	0.00188	0.0274	0.000339
PCB# 205						
	MA97MR1	Avian Egg	0.248	0.00140	0.0591	0.000333
	MA97QR01	Avian Egg	0.0608	0.00184	0.0116	0.000351
	ME184B1	Avian Egg	0.114	0.00204	0.0192	0.000345
	ME184B2	Avian Egg	0.0911	0.00177	0.0156	0.000303
	*ME199A	Avian Egg	0.160	0.00106	0.0589	0.000392
	ME289A	Avian Egg	0.408	0.00188	0.0737	0.000339
PCB# 206						
	MA97MR1	Avian Egg	1.52	0.00140	0.362	0.000333
	MA97QR01	Avian Egg	0.528	0.00184	0.101	0.000351
	ME184B1	Avian Egg	0.196	0.00204	0.0332	0.000345
	ME184B2	Avian Egg	0.163	0.00177	0.0280	0.000303
	*ME199A	Avian Egg	0.655	0.00106	0.242	0.000392
	ME289A	Avian Egg	0.243	0.00188	0.0438	0.000339
PCB# 207						
	MA97MR1	Avian Egg	0.107	0.00140	0.0256	0.000333
	MA97QR01	Avian Egg	0.0377	0.00184	0.00719	0.000351
	ME184B1	Avian Egg	0.0207	0.00204	0.00351	0.000345
	ME184B2	Avian Egg	0.0169	0.00177	0.00290	0.000303
	*ME199A	Avian Egg	0.0791	0.00106	0.0292	0.000392
	ME289A	Avian Egg	0.0246	0.00188	0.00444	0.000339

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
PCB# 209						
	MA97MR1	Avian Egg	0.812	0.00140	0.194	0.000333
	MA97QR01	Avian Egg	0.310	0.00184	0.0592	0.000351
	ME184B1	Avian Egg	0.0891	0.00204	0.0151	0.000345
	ME184B2	Avian Egg	0.0685	0.00177	0.0118	0.000303
	*ME199A	Avian Egg	0.252	0.00106	0.0929	0.000392
	ME289A	Avian Egg	0.0527	0.00188	0.00951	0.000339
PCB# 22/51						
	MA97MR1	Avian Egg	0.0834	0.00140	0.0199	0.000333
	MA97QR01	Avian Egg	0.00362	0.00184	0.000691	0.000351
	ME184B1	Avian Egg	0.0166	0.00204	0.00280	0.000345
	ME184B2	Avian Egg	0.0188	0.00177	0.00322	0.000303
	*ME199A	Avian Egg	0.0377	0.00106	0.0139	0.000392
	ME289A	Avian Egg	0.0903	0.00188	0.0163	0.000339
PCB# 24/27						
	MA97MR1	Avian Egg	0.0193	0.00140	0.00461	0.000333
	MA97QR01	Avian Egg	0.00430	0.00184	0.000821	0.000351
	ME184B1	Avian Egg	0.0229	0.00204	0.00387	0.000345
	ME184B2	Avian Egg	0.0191	0.00177	0.00327	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	0.00358	0.00188	0.000647	0.000339
PCB# 25						
	MA97MR1	Avian Egg	0.0633	0.00140	0.0151	0.000333
	MA97QR01	Avian Egg	0.0203	0.00184	0.00388	0.000351
	ME184B1	Avian Egg	0.00343	0.00204	0.000580	0.000345
	ME184B2	Avian Egg	0.00303	0.00177	0.000520	0.000303
	ME199A	Avian Egg	0.0133	0.00106	0.00491	0.000392
	ME289A	Avian Egg	0.0183	0.00188	0.00331	0.000339
PCB# 26						

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97MR1	Avian Egg	0.0228	0.00140	0.00544	0.000333
	MA97QR01	Avian Egg	0.00899	0.00184	0.00172	0.000351
	ME184B1	Avian Egg	0.00296	0.00204	0.000500	0.000345
	ME184B2	Avian Egg	0.00508	0.00177	0.000871	0.000303
	ME199A	Avian Egg	0.0418	0.00106	0.0154	0.000392
	ME289A	Avian Egg	0.0149	0.00188	0.00269	0.000339
PCB# 28						
	MA97MR1	Avian Egg	0.519	0.00140	0.124	0.000333
	MA97QR01	Avian Egg	0.0423	0.00184	0.00806	0.000351
	ME184B1	Avian Egg	0.0367	0.00204	0.00620	0.000345
	ME184B2	Avian Egg	0.0308	0.00177	0.00528	0.000303
	*ME199A	Avian Egg	0.117	0.00106	0.0430	0.000392
	ME289A	Avian Egg	0.0497	0.00188	0.00897	0.000339
PCB# 29						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 30						
	MA97MR1	Avian Egg	0.00405	0.00140	0.000966	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	0.00812	0.00106	0.00300	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 31						
	MA97MR1	Avian Egg	0.179	0.00140	0.0426	0.000333

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97QR01	Avian Egg	0.0126	0.00184	0.00240	0.000351
	ME184B1	Avian Egg	0.00753	0.00204	0.00127	0.000345
	ME184B2	Avian Egg	0.00802	0.00177	0.00138	0.000303
	ME199A	Avian Egg	0.0242	0.00106	0.00895	0.000392
	ME289A	Avian Egg	0.0172	0.00188	0.00310	0.000339
PCB# 33/20						
	MA97MR1	Avian Egg	0.0185	0.00140	0.00441	0.000333
	MA97QR01	Avian Egg	0.00418	0.00184	0.000798	0.000351
	ME184B1	Avian Egg	0.00451	0.00204	0.000762	0.000345
	ME184B2	Avian Egg	0.00912	0.00177	0.00156	0.000303
	ME199A	Avian Egg	0.0111	0.00106	0.00410	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 39						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	0.00346	0.00184	0.000660	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	0.00117	0.00106	0.000430	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 40						
	MA97MR1	Avian Egg	0.156	0.00140	0.0373	0.000333
	MA97QR01	Avian Egg	0.0129	0.00184	0.00245	0.000351
	ME184B1	Avian Egg	0.0169	0.00204	0.00286	0.000345
	ME184B2	Avian Egg	0.0154	0.00177	0.00264	0.000303
	*ME199A	Avian Egg	0.0527	0.00106	0.0194	0.000392
	ME289A	Avian Egg	0.0248	0.00188	0.00447	0.000339
PCB# 41/64						
	MA97MR1	Avian Egg	0.845	0.00140	0.201	0.000333
	MA97QR01	Avian Egg	0.0587	0.00184	0.0112	0.000351

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME184B1	Avian Egg	0.0289	0.00204	0.00488	0.000345
	ME184B2	Avian Egg	0.0382	0.00177	0.00656	0.000303
	ME199A	Avian Egg	0.146	0.00106	0.0539	0.000392
	ME289A	Avian Egg	0.122	0.00188	0.0221	0.000339
PCB# 42/59/37						
	MA97MR1	Avian Egg	0.115	0.00140	0.0275	0.000333
	MA97QR01	Avian Egg	0.0129	0.00184	0.00246	0.000351
	ME184B1	Avian Egg	0.00630	0.00204	0.00107	0.000345
	ME184B2	Avian Egg	0.00462	0.00177	0.000792	0.000303
	ME199A	Avian Egg	0.00789	0.00106	0.00291	0.000392
	ME289A	Avian Egg	0.0256	0.00188	0.00462	0.000339
PCB# 44						
	MA97MR1	Avian Egg	0.216	0.00140	0.0514	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	*ME199A	Avian Egg	0.0411	0.00106	0.0152	0.000392
	ME289A	Avian Egg	0.0362	0.00188	0.00654	0.000339
PCB# 45						
	MA97MR1	Avian Egg	0.00909	0.00140	0.00217	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 46						
	MA97MR1	Avian Egg	0.0138	0.00140	0.00330	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	0.0582	0.00204	0.00984	0.000345

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME184B2	Avian Egg	0.0215	0.00177	0.00369	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	0.0721	0.00188	0.0130	0.000339
PCB# 47/75						
	MA97MR1	Avian Egg	0.957	0.00140	0.228	0.000333
	MA97QR01	Avian Egg	0.119	0.00184	0.0227	0.000351
	ME184B1	Avian Egg	0.103	0.00204	0.0174	0.000345
	ME184B2	Avian Egg	0.0898	0.00177	0.0154	0.000303
	*ME199A	Avian Egg	0.416	0.00106	0.153	0.000392
	ME289A	Avian Egg	0.0795	0.00188	0.0143	0.000339
PCB# 48						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 49						
	MA97MR1	Avian Egg	0.766	0.00140	0.183	0.000333
	MA97QR01	Avian Egg	0.0673	0.00184	0.0128	0.000351
	ME184B1	Avian Egg	0.0362	0.00204	0.00612	0.000345
	ME184B2	Avian Egg	0.0333	0.00177	0.00571	0.000303
	*ME199A	Avian Egg	0.151	0.00106	0.0558	0.000392
	ME289A	Avian Egg	0.118	0.00188	0.0214	0.000339
PCB# 52						
	MA97MR1	Avian Egg	0.390	0.00140	0.0929	0.000333
	MA97QR01	Avian Egg	0.0797	0.00184	0.0152	0.000351
	ME184B1	Avian Egg	0.0344	0.00204	0.00582	0.000345
	ME184B2	Avian Egg	0.0248	0.00177	0.00425	0.000303

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	*ME199A	Avian Egg	0.142	0.00106	0.0526	0.000392
	ME289A	Avian Egg	0.0468	0.00188	0.00846	0.000339
PCB# 53						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	0.0252	0.00188	0.00455	0.000339
PCB# 60/56						
	MA97MR1	Avian Egg	1.07	0.00140	0.255	0.000333
	MA97QR01	Avian Egg	0.137	0.00184	0.0261	0.000351
	ME184B1	Avian Egg	0.108	0.00204	0.0183	0.000345
	ME184B2	Avian Egg	0.0905	0.00177	0.0155	0.000303
	*ME199A	Avian Egg	0.261	0.00106	0.0963	0.000392
	ME289A	Avian Egg	0.179	0.00188	0.0323	0.000339
PCB# 63						
	MA97MR1	Avian Egg	2.77	0.00140	0.661	0.000333
	MA97QR01	Avian Egg	1.40	0.00184	0.267	0.000351
	ME184B1	Avian Egg	0.288	0.00204	0.0487	0.000345
	ME184B2	Avian Egg	0.233	0.00177	0.0399	0.000303
	*ME199A	Avian Egg	2.63	0.00106	0.970	0.000392
	ME289A	Avian Egg	0.315	0.00188	0.0569	0.000339
PCB# 66						
	MA97MR1	Avian Egg	2.71	0.00140	0.646	0.000333
	MA97QR01	Avian Egg	0.174	0.00184	0.0333	0.000351
	ME184B1	Avian Egg	0.141	0.00204	0.0238	0.000345
	ME184B2	Avian Egg	0.123	0.00177	0.0211	0.000303
	*ME199A	Avian Egg	0.413	0.00106	0.153	0.000392

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME289A	Avian Egg	0.246	0.00188	0.0444	0.000339
PCB# 67						
	MA97MR1	Avian Egg	0.0348	0.00140	0.00830	0.000333
	MA97QR01	Avian Egg	0.0161	0.00184	0.00306	0.000351
	ME184B1	Avian Egg	0.0103	0.00204	0.00174	0.000345
	ME184B2	Avian Egg	0.00643	0.00177	0.00110	0.000303
	ME199A	Avian Egg	0.0373	0.00106	0.0138	0.000392
	ME289A	Avian Egg	0.0109	0.00188	0.00196	0.000339
PCB# 69						
	MA97MR1	Avian Egg	0.0533	0.00140	0.0127	0.000333
	MA97QR01	Avian Egg	0.0228	0.00184	0.00435	0.000351
	ME184B1	Avian Egg	0.0285	0.00204	0.00482	0.000345
	ME184B2	Avian Egg	0.00767	0.00177	0.00132	0.000303
	ME199A	Avian Egg	0.0114	0.00106	0.00422	0.000392
	ME289A	Avian Egg	0.0440	0.00188	0.00793	0.000339
PCB# 7/9						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	0.0956	0.00204	0.0162	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	0.0610	0.00106	0.0225	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 70						
	MA97MR1	Avian Egg	1.04	0.00140	0.249	0.000333
	MA97QR01	Avian Egg	0.264	0.00184	0.0505	0.000351
	ME184B1	Avian Egg	0.129	0.00204	0.0219	0.000345
	ME184B2	Avian Egg	0.103	0.00177	0.0176	0.000303
	*ME199A	Avian Egg	0.480	0.00106	0.177	0.000392
	ME289A	Avian Egg	0.376	0.00188	0.0679	0.000339

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
PCB# 72						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 74/61						
	MA97MR1	Avian Egg	3.07	0.00140	0.733	0.000333
	MA97QR01	Avian Egg	0.237	0.00184	0.0453	0.000351
	ME184B1	Avian Egg	0.195	0.00204	0.0329	0.000345
	ME184B2	Avian Egg	0.163	0.00177	0.0280	0.000303
	*ME199A	Avian Egg	0.614	0.00106	0.227	0.000392
	ME289A	Avian Egg	0.287	0.00188	0.0518	0.000339
PCB# 77						
	MA97MR1	Avian Egg	0.0500	0.00140	0.0119	0.000333
	MA97QR01	Avian Egg	0.0169	0.00184	0.00323	0.000351
	ME184B1	Avian Egg	0.0106	0.00204	0.00179	0.000345
	ME184B2	Avian Egg	0.0134	0.00177	0.00230	0.000303
	ME199A	Avian Egg	0.0168	0.00106	0.00618	0.000392
	ME289A	Avian Egg	0.0260	0.00188	0.00469	0.000339
PCB# 8/5						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	0.00256	0.00106	0.000945	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 81						

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97MR1	Avian Egg	0.00817	0.00140	0.00195	0.000333
	MA97QR01	Avian Egg	0.00246	0.00184	0.000469	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	0.00274	0.00177	0.000470	0.000303
	ME199A	Avian Egg	0.00170	0.00106	0.000628	0.000392
	ME289A	Avian Egg	0.00201	0.00188	0.000362	0.000339
PCB# 82						
	MA97MR1	Avian Egg	0.536	0.00140	0.128	0.000333
	MA97QR01	Avian Egg	0.349	0.00184	0.0666	0.000351
	ME184B1	Avian Egg	0.113	0.00204	0.0191	0.000345
	ME184B2	Avian Egg	0.0879	0.00177	0.0151	0.000303
	ME199A	Avian Egg	0.663	0.00106	0.245	0.000392
	ME289A	Avian Egg	0.217	0.00188	0.0393	0.000339
PCB# 83						
	MA97MR1	Avian Egg	0.204	0.00140	0.0486	0.000333
	MA97QR01	Avian Egg	0.0770	0.00184	0.0147	0.000351
	ME184B1	Avian Egg	0.0371	0.00204	0.00627	0.000345
	ME184B2	Avian Egg	0.0135	0.00177	0.00232	0.000303
	*ME199A	Avian Egg	0.0941	0.00106	0.0347	0.000392
	ME289A	Avian Egg	0.0514	0.00188	0.00928	0.000339
PCB# 84						
	MA97MR1	Avian Egg	0.0868	0.00140	0.0207	0.000333
	MA97QR01	Avian Egg	0.0254	0.00184	0.00484	0.000351
	ME184B1	Avian Egg	0.0129	0.00204	0.00219	0.000345
	ME184B2	Avian Egg	0.00825	0.00177	0.00142	0.000303
	*ME199A	Avian Egg	0.0304	0.00106	0.0112	0.000392
	ME289A	Avian Egg	0.0234	0.00188	0.00423	0.000339
PCB# 85						
	MA97MR1	Avian Egg	< 0.00140	0.00140	< 0.000333	0.000333

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97QR01	Avian Egg	< 0.00184	0.00184	< 0.000351	0.000351
	ME184B1	Avian Egg	< 0.00204	0.00204	< 0.000345	0.000345
	ME184B2	Avian Egg	< 0.00177	0.00177	< 0.000303	0.000303
	ME199A	Avian Egg	< 0.00106	0.00106	< 0.000392	0.000392
	ME289A	Avian Egg	< 0.00188	0.00188	< 0.000339	0.000339
PCB# 87/115						
	MA97MR1	Avian Egg	1.18	0.00140	0.282	0.000333
	MA97QR01	Avian Egg	0.259	0.00184	0.0495	0.000351
	ME184B1	Avian Egg	0.115	0.00204	0.0195	0.000345
	ME184B2	Avian Egg	0.0962	0.00177	0.0165	0.000303
	*ME199A	Avian Egg	0.331	0.00106	0.122	0.000392
	ME289A	Avian Egg	0.442	0.00188	0.0799	0.000339
PCB# 92						
	MA97MR1	Avian Egg	2.50	0.00140	0.595	0.000333
	MA97QR01	Avian Egg	0.854	0.00184	0.163	0.000351
	ME184B1	Avian Egg	0.142	0.00204	0.0241	0.000345
	ME184B2	Avian Egg	0.122	0.00177	0.0209	0.000303
	*ME199A	Avian Egg	1.16	0.00106	0.428	0.000392
	ME289A	Avian Egg	0.233	0.00188	0.0421	0.000339
PCB# 95/80						
	MA97MR1	Avian Egg	0.321	0.00140	0.0764	0.000333
	MA97QR01	Avian Egg	0.0844	0.00184	0.0161	0.000351
	ME184B1	Avian Egg	0.0295	0.00204	0.00498	0.000345
	ME184B2	Avian Egg	0.0278	0.00177	0.00477	0.000303
	*ME199A	Avian Egg	0.122	0.00106	0.0452	0.000392
	ME289A	Avian Egg	0.128	0.00188	0.0231	0.000339
PCB# 97						
	MA97MR1	Avian Egg	0.689	0.00140	0.164	0.000333
	MA97QR01	Avian Egg	0.135	0.00184	0.0258	0.000351

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME184B1	Avian Egg	0.0764	0.00204	0.0129	0.000345
	ME184B2	Avian Egg	0.0422	0.00177	0.00724	0.000303
	*ME199A	Avian Egg	0.209	0.00106	0.0770	0.000392
	ME289A	Avian Egg	0.200	0.00188	0.0362	0.000339
PCB# 99						
	MA97MR1	Avian Egg	4.61	0.00140	1.10	0.000333
	MA97QR01	Avian Egg	1.15	0.00184	0.219	0.000351
	ME184B1	Avian Egg	0.461	0.00204	0.0779	0.000345
	ME184B2	Avian Egg	0.373	0.00177	0.0640	0.000303
	*ME199A	Avian Egg	3.54	0.00106	1.31	0.000392
	ME289A	Avian Egg	0.791	0.00188	0.143	0.000339
PCB-TOTAL						
	MA97MR1	Avian Egg	168	0.350	40.0	0.0833
	MA97QR01	Avian Egg	48.2	0.460	9.19	0.0877
	ME184B1	Avian Egg	52.5	0.510	8.88	0.0862
	ME184B2	Avian Egg	43.4	0.442	7.45	0.0758
	ME199A	Avian Egg	118	0.266	43.4	0.0980
	ME289A	Avian Egg	76.0	0.470	13.7	0.0847
alpha BHC						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
alpha chlordane						
	MA97MR1	Avian Egg	0.392	0.0699	0.0934	0.0167
	MA97QR01	Avian Egg	0.153	0.0919	0.0292	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	0.0651	0.0531	0.0240	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
beta BHC						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
chlorpyrifos						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	0.0614	0.0531	0.0226	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
cis-nonachlor						
	MA97MR1	Avian Egg	0.639	0.0699	0.152	0.0167
	MA97QR01	Avian Egg	0.544	0.0919	0.104	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	0.553	0.0531	0.204	0.0196
	ME289A	Avian Egg	0.121	0.0939	0.0218	0.0169
delta BHC						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
dieldrin						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
endosulfan II						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
endrin						
	MA97MR1	Avian Egg	0.225	0.0699	0.0536	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
gamma BHC						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
gamma chlordane						
	MA97MR1	Avian Egg	0.117	0.0699	0.0278	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
heptachlor epoxide						
	MA97MR1	Avian Egg	0.146	0.0699	0.0348	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	0.164	0.0531	0.0605	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
mirex						
	MA97MR1	Avian Egg	0.376	0.0699	0.0895	0.0167
	MA97QR01	Avian Egg	0.157	0.0919	0.0300	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	0.937	0.0531	0.346	0.0196
	ME289A	Avian Egg	0.116	0.0939	0.0210	0.0169
o,p'-DDD						
	MA97MR1	Avian Egg	0.199	0.0699	0.0475	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	*ME199A	Avian Egg	0.226	0.0531	0.0833	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
o,p'-DDE						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
o,p'-DDT						
	MA97MR1	Avian Egg	0.400	0.0699	0.0954	0.0167
	MA97QR01	Avian Egg	0.189	0.0919	0.0361	0.0175
	ME184B1	Avian Egg	0.102	0.102	0.0173	0.0172
	ME184B2	Avian Egg	0.0889	0.0883	0.0152	0.0152
	ME199A	Avian Egg	0.562	0.0531	0.207	0.0196
	ME289A	Avian Egg	0.224	0.0939	0.0404	0.0169
oxychlordane						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
p,p'-DDD						
	MA97MR1	Avian Egg	2.65	0.0699	0.632	0.0167
	MA97QR01	Avian Egg	1.10	0.0919	0.210	0.0175
	ME184B1	Avian Egg	0.227	0.102	0.0383	0.0172
	ME184B2	Avian Egg	0.176	0.0883	0.0302	0.0152
	*ME199A	Avian Egg	1.18	0.0531	0.436	0.0196
	ME289A	Avian Egg	0.541	0.0939	0.0977	0.0169
p,p'-DDE						

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97MR1	Avian Egg	36.8	0.0699	8.76	0.0167
	MA97QR01	Avian Egg	15.8	0.0919	3.01	0.0175
	ME184B1	Avian Egg	5.44	0.102	0.919	0.0172
	ME184B2	Avian Egg	4.44	0.0883	0.762	0.0152
	*ME199A	Avian Egg	33.9	0.0531	12.5	0.0196
	ME289A	Avian Egg	9.80	0.0939	1.77	0.0169
p,p'-DDT						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	< 0.0531	0.0531	< 0.0196	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
pentachloro-anisole						
	MA97MR1	Avian Egg	< 0.0699	0.0699	< 0.0167	0.0167
	MA97QR01	Avian Egg	< 0.0919	0.0919	< 0.0175	0.0175
	ME184B1	Avian Egg	< 0.102	0.102	< 0.0172	0.0172
	ME184B2	Avian Egg	< 0.0883	0.0883	< 0.0152	0.0152
	ME199A	Avian Egg	0.0722	0.0531	0.0266	0.0196
	ME289A	Avian Egg	< 0.0939	0.0939	< 0.0169	0.0169
toxaphene						
	MA97MR1	Avian Egg	< 0.350	0.350	< 0.0833	0.0833
	MA97QR01	Avian Egg	< 0.460	0.460	< 0.0877	0.0877
	ME184B1	Avian Egg	< 0.510	0.510	< 0.0862	0.0862
	ME184B2	Avian Egg	< 0.442	0.442	< 0.0758	0.0758
	ME199A	Avian Egg	< 0.266	0.266	< 0.0980	0.0980
	ME289A	Avian Egg	< 0.470	0.470	< 0.0847	0.0847
trans-nonachlor						
	MA97MR1	Avian Egg	3.04	0.0699	0.725	0.0167

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97QR01	Avian Egg	1.96	0.0919	0.374	0.0175
	ME184B1	Avian Egg	0.245	0.102	0.0414	0.0172
	ME184B2	Avian Egg	0.196	0.0883	0.0336	0.0152
	ME199A	Avian Egg	2.82	0.0531	1.04	0.0196
	ME289A	Avian Egg	0.351	0.0939	0.0633	0.0169

* See "Laboratory Notes" section.

5. Procedural Blanks

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
1,2,3,4,6,7,8-HpCDD					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,4,6,7,8-HpCDF					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,4,7,8,9-HpCDF					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,4,7,8-HxCDD					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,4,7,8-HxCDF					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,4-Tetrachlorobenzene					
	Q18928	Animal Tissue	0.0000650	< 0.00200	Wet
1,2,3,6,7,8-HxCDD					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,6,7,8-HxCDF					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,7,8,9-HxCDD					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,7,8,9-HxCDF					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,7,8-PeCDD					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,3,7,8-PeCDF					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
1,2,4,5-Tetrachlorobenzene					
	Q18928	Animal Tissue	0.00815	< 0.00200	Wet
2,3,4,6,7,8-HxCDF					
	Q31988	Animal Tissue	0.000	< 0.00000500	Wet
2,3,4,7,8-PeCDF					
	Q31988	Animal Tissue	0.00000200	< 0.00000500	Wet

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
2,3,7,8-TCDD					
	Q31988	Animal Tissue	0.000	< 0.00000100	Wet
2,3,7,8-TCDF					
	Q31988	Animal Tissue	0.000	< 0.00000100	Wet
Aldrin					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
HCB					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
Heptachlor					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
OCDD					
	Q31988	Animal Tissue	0.00000900	< 0.0000100	Wet
OCDF					
	Q31988	Animal Tissue	0.00000400	< 0.0000100	Wet
PCB# 1					
	Q18928	Animal Tissue	0.000500	0.000100	Wet
PCB# 101/90					
	Q18928	Animal Tissue	0.000400	0.0000800	Wet
PCB# 105					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 107					
	Q18928	Animal Tissue	0.00160	0.000319	Wet
PCB# 110					
	Q18928	Animal Tissue	0.000255	0.0000510	Wet
PCB# 114					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 118					
	Q18928	Animal Tissue	0.000160	< 0.0000400	Wet
PCB# 119					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 126					
	Q18928	Animal Tissue	0.000255	0.0000510	Wet
PCB# 128					

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
	Q18928	Animal Tissue	0.0000750	< 0.0000400	Wet
PCB# 129					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 130					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 135					
	Q18928	Animal Tissue	0.000180	< 0.0000400	Wet
PCB# 136					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 138/160					
	Q18928	Animal Tissue	0.00160	0.000321	Wet
PCB# 141/179					
	Q18928	Animal Tissue	0.0000800	< 0.0000400	Wet
PCB# 146					
	Q18928	Animal Tissue	0.000345	0.0000690	Wet
PCB# 149/123					
	Q18928	Animal Tissue	0.000635	0.000127	Wet
PCB# 15					
	Q18928	Animal Tissue	0.000175	< 0.0000400	Wet
PCB# 151					
	Q18928	Animal Tissue	0.000255	0.0000510	Wet
PCB# 153/132					
	Q18928	Animal Tissue	0.00198	0.000396	Wet
PCB# 156					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 158					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 16/32					
	Q18928	Animal Tissue	0.000100	< 0.0000400	Wet
PCB# 166					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 167					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
PCB# 169					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 170/190					
	Q18928	Animal Tissue	0.000860	0.000172	Wet
PCB# 171/202					
	Q18928	Animal Tissue	0.000125	< 0.0000400	Wet
PCB# 172					
	Q18928	Animal Tissue	0.000155	< 0.0000400	Wet
PCB# 174					
	Q18928	Animal Tissue	0.000200	0.0000400	Wet
PCB# 175					
	Q18928	Animal Tissue	0.000825	0.000165	Wet
PCB# 176/137					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 177					
	Q18928	Animal Tissue	0.000145	< 0.0000400	Wet
PCB# 178					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 18/17					
	Q18928	Animal Tissue	0.000210	0.0000420	Wet
PCB# 180					
	Q18928	Animal Tissue	0.00140	0.000281	Wet
PCB# 183					
	Q18928	Animal Tissue	0.000230	0.0000460	Wet
PCB# 185					
	Q18928	Animal Tissue	0.000180	< 0.0000400	Wet
PCB# 187					
	Q18928	Animal Tissue	0.000670	0.000134	Wet
PCB# 189					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 191					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 193					

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
	Q18928	Animal Tissue	0.0000550	< 0.0000400	Wet
PCB# 194					
	Q18928	Animal Tissue	0.000185	< 0.0000400	Wet
PCB# 195/208					
	Q18928	Animal Tissue	0.0000600	< 0.0000400	Wet
PCB# 196/203					
	Q18928	Animal Tissue	0.000165	< 0.0000400	Wet
PCB# 197					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 199					
	Q18928	Animal Tissue	0.000300	0.0000600	Wet
PCB# 200					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 201					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 205					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 206					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 207					
	Q18928	Animal Tissue	0.0000900	< 0.0000400	Wet
PCB# 209					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 22/51					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 24/27					
	Q18928	Animal Tissue	0.0000550	< 0.0000400	Wet
PCB# 25					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 26					
	Q18928	Animal Tissue	0.000170	< 0.0000400	Wet
PCB# 28					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
PCB# 29					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 30					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 31					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 33/20					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 39					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 40					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 41/64					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 42/59/37					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 44					
	Q18928	Animal Tissue	0.000600	0.000120	Wet
PCB# 45					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 46					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 47/75					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 48					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 49					
	Q18928	Animal Tissue	0.000530	0.000106	Wet
PCB# 52					
	Q18928	Animal Tissue	0.000150	< 0.0000400	Wet
PCB# 53					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 60/56					

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
	Q18928	Animal Tissue	0.000280	0.0000560	Wet
PCB# 63					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 66					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 67					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 69					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 7/9					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 70					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 72					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 74/61					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 77					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 8/5					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 81					
	Q18928	Animal Tissue	0.00000500	< 0.0000400	Wet
PCB# 82					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 83					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 84					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 85					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 87/115					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
PCB# 92					
	Q18928	Animal Tissue	0.000155	< 0.0000400	Wet
PCB# 95/80					
	Q18928	Animal Tissue	0.000105	< 0.0000400	Wet
PCB# 97					
	Q18928	Animal Tissue	0.000	< 0.0000400	Wet
PCB# 99					
	Q18928	Animal Tissue	0.000135	< 0.0000400	Wet
PCB-TOTAL					
	Q18928	Animal Tissue	0.0165	< 0.0100	Wet
alpha BHC					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
alpha chlordane					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
beta BHC					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
chlorpyrifos					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
cis-nonachlor					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
delta BHC					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
dieldrin					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
endosulfan II					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
endrin					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
gamma BHC					
	Q18928	Animal Tissue	0.0000200	< 0.00200	Wet
gamma chlordane					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
heptachlor epoxide					

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
mirex					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
o,p'-DDD					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
o,p'-DDE					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
o,p'-DDT					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
oxychlordane					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
p,p'-DDD					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
p,p'-DDE					
	Q18928	Animal Tissue	0.000270	< 0.00200	Wet
p,p'-DDT					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet
pentachloro-anisole					
	Q18928	Animal Tissue	0.000235	< 0.00200	Wet
toxaphene					
	Q18928	Animal Tissue	0.000	< 0.0100	Wet
trans-nonachlor					
	Q18928	Animal Tissue	0.000	< 0.00200	Wet

** Blank Equivalent Concentration

6. Duplicates

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
% Lipid							
	MA97MR1	Avian Egg	Percent	4.90	4.80	4.85	2.06
% Moisture							
	MA97MR1	Avian Egg	Percent	76.2	76.6	76.4	0.640
	ME184B2	Avian Egg	Percent	82.8	82.8	82.8	0.0600
1,2,3,4,6,7,8-HpCDD							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
1,2,3,4,6,7,8-HpCDF							
	ME184B2	Avian Egg	Wet	0.000289	0.000293	0.000291	1.37
1,2,3,4,7,8,9-HpCDF							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
1,2,3,4,7,8-HxCDD							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
1,2,3,4,7,8-HxCDF							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
1,2,3,4-Tetrachlorobenzene							
	MA97MR1	Avian Egg	Wet	0.465	0.501	0.483	7.48
1,2,3,6,7,8-HxCDD							
	ME184B2	Avian Egg	Wet	0.0000103	< 0.00000949	0.00000752	73.8
1,2,3,6,7,8-HxCDF							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
1,2,3,7,8,9-HxCDD							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
1,2,3,7,8,9-HxCDF							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
1,2,3,7,8-PeCDD							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
1,2,3,7,8-PeCDF							
	ME184B2	Avian Egg	Wet	0.000149	0.000117	0.000133	24.4
1,2,4,5-Tetrachlorobenzene							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Wet	0.0275	0.0197	0.0236	32.9
2,3,4,6,7,8-HxCDF							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
2,3,4,7,8-PeCDF							
	ME184B2	Avian Egg	Wet	< 0.00000952	< 0.00000949	0.00000475	0.320
2,3,7,8-TCDD							
	ME184B2	Avian Egg	Wet	< 0.00000190	< 0.00000190	0.000000950	0.000
2,3,7,8-TCDF							
	ME184B2	Avian Egg	Wet	< 0.00000190	< 0.00000190	0.000000950	0.000
Aldrin							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
HCB							
	MA97MR1	Avian Egg	Wet	0.0219	0.0230	0.0225	4.83
Heptachlor							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
OCDD							
	ME184B2	Avian Egg	Wet	0.0000897	< 0.0000190	0.0000496	162
OCDF							
	ME184B2	Avian Egg	Wet	0.0000276	< 0.0000190	0.0000185	97.6
PCB# 1							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 101/90							
	MA97MR1	Avian Egg	Wet	0.973	1.04	1.01	7.07
PCB# 105							
	MA97MR1	Avian Egg	Wet	0.506	0.524	0.515	3.53
PCB# 107							
	MA97MR1	Avian Egg	Wet	0.235	0.237	0.236	1.09
PCB# 110							
	MA97MR1	Avian Egg	Wet	0.350	0.351	0.350	0.380
PCB# 114							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 118							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Wet	2.63	2.74	2.68	4.29
PCB# 119							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 126							
	MA97MR1	Avian Egg	Wet	0.0125	0.0100	0.0113	22.3
PCB# 128							
	MA97MR1	Avian Egg	Wet	0.520	0.523	0.521	0.570
PCB# 129							
	MA97MR1	Avian Egg	Wet	0.0527	0.0543	0.0535	2.90
PCB# 130							
	MA97MR1	Avian Egg	Wet	0.155	0.159	0.157	2.16
PCB# 135							
	MA97MR1	Avian Egg	Wet	0.0758	0.0735	0.0746	3.09
PCB# 136							
	MA97MR1	Avian Egg	Wet	0.00505	0.00558	0.00531	9.92
PCB# 138/160							
	MA97MR1	Avian Egg	Wet	3.82	4.06	3.94	6.13
PCB# 141/179							
	MA97MR1	Avian Egg	Wet	0.461	0.464	0.463	0.450
PCB# 146							
	MA97MR1	Avian Egg	Wet	0.885	0.729	0.807	19.4
PCB# 149/123							
	MA97MR1	Avian Egg	Wet	0.262	0.239	0.251	8.92
PCB# 15							
	MA97MR1	Avian Egg	Wet	0.0132	0.0270	0.0201	68.6
PCB# 151							
	MA97MR1	Avian Egg	Wet	0.101	0.104	0.103	2.38
PCB# 153/132							
	MA97MR1	Avian Egg	Wet	5.13	5.51	5.32	7.20
PCB# 156							
	MA97MR1	Avian Egg	Wet	0.672	0.715	0.694	6.17
PCB# 158							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Wet	0.541	0.541	0.541	0.0100
PCB# 16/32							
	MA97MR1	Avian Egg	Wet	0.00895	0.0132	0.0111	38.5
PCB# 166							
	MA97MR1	Avian Egg	Wet	0.0151	0.0116	0.0133	26.6
PCB# 167							
	MA97MR1	Avian Egg	Wet	0.297	0.293	0.295	1.16
PCB# 169							
	MA97MR1	Avian Egg	Wet	0.00181	0.00188	0.00184	4.02
PCB# 170/190							
	MA97MR1	Avian Egg	Wet	0.993	1.02	1.00	2.24
PCB# 171/202							
	MA97MR1	Avian Egg	Wet	0.151	0.133	0.142	12.3
PCB# 172							
	MA97MR1	Avian Egg	Wet	0.202	0.206	0.204	1.86
PCB# 174							
	MA97MR1	Avian Egg	Wet	0.109	0.112	0.110	2.63
PCB# 175							
	MA97MR1	Avian Egg	Wet	0.0303	0.0350	0.0326	14.5
PCB# 176/137							
	MA97MR1	Avian Egg	Wet	0.160	0.163	0.161	2.02
PCB# 177							
	MA97MR1	Avian Egg	Wet	0.244	0.247	0.245	0.990
PCB# 178							
	MA97MR1	Avian Egg	Wet	0.149	0.152	0.150	2.15
PCB# 18/17							
	MA97MR1	Avian Egg	Wet	0.00559	0.0116	0.00859	69.8
PCB# 180							
	MA97MR1	Avian Egg	Wet	8.03	8.41	8.22	4.69
PCB# 183							
	MA97MR1	Avian Egg	Wet	0.539	0.547	0.543	1.54
PCB# 185							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Wet	0.0480	0.0478	0.0479	0.350
PCB# 187							
	MA97MR1	Avian Egg	Wet	1.83	1.95	1.89	6.31
PCB# 189							
	MA97MR1	Avian Egg	Wet	0.0508	0.0556	0.0532	8.99
PCB# 191							
	MA97MR1	Avian Egg	Wet	0.0522	0.0579	0.0551	10.3
PCB# 193							
	MA97MR1	Avian Egg	Wet	0.148	0.154	0.151	3.58
PCB# 194							
	MA97MR1	Avian Egg	Wet	0.657	0.676	0.667	2.79
PCB# 195/208							
	MA97MR1	Avian Egg	Wet	0.239	0.244	0.242	2.17
PCB# 196/203							
	MA97MR1	Avian Egg	Wet	0.637	0.652	0.645	2.30
PCB# 197							
	MA97MR1	Avian Egg	Wet	0.0230	0.0228	0.0229	0.680
PCB# 199							
	MA97MR1	Avian Egg	Wet	0.609	0.626	0.617	2.70
PCB# 200							
	MA97MR1	Avian Egg	Wet	0.0189	0.0190	0.0190	0.550
PCB# 201							
	MA97MR1	Avian Egg	Wet	0.0447	0.0448	0.0447	0.0400
PCB# 205							
	MA97MR1	Avian Egg	Wet	0.0591	0.0661	0.0626	11.1
PCB# 206							
	MA97MR1	Avian Egg	Wet	0.362	0.361	0.362	0.290
PCB# 207							
	MA97MR1	Avian Egg	Wet	0.0256	0.0265	0.0260	3.47
PCB# 209							
	MA97MR1	Avian Egg	Wet	0.194	0.199	0.197	2.95
PCB# 22/51							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Wet	0.0199	0.0195	0.0197	1.76
PCB# 24/27							
	MA97MR1	Avian Egg	Wet	0.00461	0.00533	0.00497	14.6
PCB# 25							
	MA97MR1	Avian Egg	Wet	0.0151	0.0184	0.0167	19.7
PCB# 26							
	MA97MR1	Avian Egg	Wet	0.00544	0.00830	0.00687	41.7
PCB# 28							
	MA97MR1	Avian Egg	Wet	0.124	0.131	0.127	5.56
PCB# 29							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 30							
	MA97MR1	Avian Egg	Wet	0.000966	0.00537	0.00317	139
PCB# 31							
	MA97MR1	Avian Egg	Wet	0.0426	0.0409	0.0417	3.92
PCB# 33/20							
	MA97MR1	Avian Egg	Wet	0.00441	0.00289	0.00365	41.8
PCB# 39							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 40							
	MA97MR1	Avian Egg	Wet	0.0373	0.0383	0.0378	2.68
PCB# 41/64							
	MA97MR1	Avian Egg	Wet	0.201	0.201	0.201	0.450
PCB# 42/59/37							
	MA97MR1	Avian Egg	Wet	0.0275	0.0289	0.0282	5.08
PCB# 44							
	MA97MR1	Avian Egg	Wet	0.0514	0.0535	0.0524	3.96
PCB# 45							
	MA97MR1	Avian Egg	Wet	0.00217	0.00211	0.00214	2.62
PCB# 46							
	MA97MR1	Avian Egg	Wet	0.00330	0.00445	0.00387	29.8
PCB# 47/75							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Wet	0.228	0.230	0.229	0.920
PCB# 48							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 49							
	MA97MR1	Avian Egg	Wet	0.183	0.189	0.186	3.13
PCB# 52							
	MA97MR1	Avian Egg	Wet	0.0929	0.0965	0.0947	3.80
PCB# 53							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 60/56							
	MA97MR1	Avian Egg	Wet	0.255	0.253	0.254	0.610
PCB# 63							
	MA97MR1	Avian Egg	Wet	0.661	0.703	0.682	6.11
PCB# 66							
	MA97MR1	Avian Egg	Wet	0.646	0.678	0.662	4.81
PCB# 67							
	MA97MR1	Avian Egg	Wet	0.00830	0.0351	0.0217	124
PCB# 69							
	MA97MR1	Avian Egg	Wet	0.0127	0.0122	0.0125	3.92
PCB# 7/9							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 70							
	MA97MR1	Avian Egg	Wet	0.249	0.267	0.258	7.00
PCB# 72							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 74/61							
	MA97MR1	Avian Egg	Wet	0.733	0.732	0.732	0.0500
PCB# 77							
	MA97MR1	Avian Egg	Wet	0.0119	0.00657	0.00924	57.9
PCB# 8/5							
	MA97MR1	Avian Egg	Wet	< 0.000333	0.00212	0.00114	171
PCB# 81							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Wet	0.00195	0.00131	0.00163	38.8
PCB# 82							
	MA97MR1	Avian Egg	Wet	0.128	0.128	0.128	0.310
PCB# 83							
	MA97MR1	Avian Egg	Wet	0.0486	0.0500	0.0493	2.95
PCB# 84							
	MA97MR1	Avian Egg	Wet	0.0207	0.0216	0.0212	4.53
PCB# 85							
	MA97MR1	Avian Egg	Wet	< 0.000333	< 0.000377	0.000178	12.4
PCB# 87/115							
	MA97MR1	Avian Egg	Wet	0.282	0.283	0.283	0.550
PCB# 92							
	MA97MR1	Avian Egg	Wet	0.595	0.625	0.610	4.85
PCB# 95/80							
	MA97MR1	Avian Egg	Wet	0.0764	0.0835	0.0800	8.82
PCB# 97							
	MA97MR1	Avian Egg	Wet	0.164	0.167	0.166	1.66
PCB# 99							
	MA97MR1	Avian Egg	Wet	1.10	1.18	1.14	6.91
PCB-TOTAL							
	MA97MR1	Avian Egg	Wet	40.0	41.7	40.8	4.11
alpha BHC							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
alpha chlordane							
	MA97MR1	Avian Egg	Wet	0.0934	0.0951	0.0942	1.89
beta BHC							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
chlorpyrifos							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
cis-nonachlor							
	MA97MR1	Avian Egg	Wet	0.152	0.156	0.154	2.08
delta BHC							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
dieldrin							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
endosulfan II							
	MA97MR1	Avian Egg	Wet	< 0.0167	0.0193	0.0138	79.2
endrin							
	MA97MR1	Avian Egg	Wet	0.0536	0.0547	0.0542	2.17
gamma BHC							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
gamma chlordane							
	MA97MR1	Avian Egg	Wet	0.0278	0.0220	0.0249	23.4
heptachlor epoxide							
	MA97MR1	Avian Egg	Wet	0.0348	0.0279	0.0314	22.0
mirex							
	MA97MR1	Avian Egg	Wet	0.0895	0.0916	0.0906	2.26
o,p'-DDD							
	MA97MR1	Avian Egg	Wet	0.0475	0.0486	0.0480	2.25
o,p'-DDE							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
o,p'-DDT							
	MA97MR1	Avian Egg	Wet	0.0954	0.0980	0.0967	2.73
oxychlordane							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
p,p'-DDD							
	MA97MR1	Avian Egg	Wet	0.632	0.652	0.642	3.23
p,p'-DDE							
	MA97MR1	Avian Egg	Wet	8.76	9.29	9.03	5.89
p,p'-DDT							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
pentachloro-anisole							
	MA97MR1	Avian Egg	Wet	< 0.0167	< 0.0189	0.00888	12.4
toxaphene							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Wet	< 0.0833	< 0.0943	0.0444	12.4
trans-nonachlor							
	MA97MR1	Avian Egg	Wet	0.725	0.696	0.711	4.08

7. Spike Recoveries

Analyte	Sample Number	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
1,2,3,4,6,7,8-HpCDD							
	ME184B2	Avian Egg	Wet	0.000187	0.000188	39.2	101
1,2,3,4,6,7,8-HpCDF							
	ME184B2	Avian Egg	Wet	0.000187	0.000262	0.640	141
1,2,3,4,7,8,9-HpCDF							
	ME184B2	Avian Egg	Wet	0.000187	0.000204	39.2	109
1,2,3,4,7,8-HxCDD							
	ME184B2	Avian Egg	Wet	0.000187	0.000195	39.2	105
1,2,3,4,7,8-HxCDF							
	ME184B2	Avian Egg	Wet	0.000187	0.000215	39.2	115
1,2,3,4-Tetrachlorobenzene							
	MA97MR1	Avian Egg	Wet	0.0784	0.0447	0.170	56.9
1,2,3,6,7,8-HxCDD							
	ME184B2	Avian Egg	Wet	0.000187	0.000206	18.1	110.
1,2,3,6,7,8-HxCDF							
	ME184B2	Avian Egg	Wet	0.000187	0.000190	39.2	102
1,2,3,7,8,9-HxCDD							
	ME184B2	Avian Egg	Wet	0.000187	0.000187	39.2	100.
1,2,3,7,8,9-HxCDF							
	ME184B2	Avian Egg	Wet	0.000187	0.000189	39.2	101
1,2,3,7,8-PeCDD							
	ME184B2	Avian Egg	Wet	0.000187	0.000175	39.2	93.8
1,2,3,7,8-PeCDF							
	ME184B2	Avian Egg	Wet	0.000187	0.000175	1.25	93.8
1,2,4,5-Tetrachlorobenzene							
	MA97MR1	Avian Egg	Wet	0.0784	0.0476	2.85	60.7
2,3,4,6,7,8-HxCDF							
	ME184B2	Avian Egg	Wet	0.000187	0.000188	39.2	101
2,3,4,7,8-PeCDF							

Analyte	Sample Number	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
	ME184B2	Avian Egg	Wet	0.000187	0.000203	39.2	109
2,3,7,8-TCDD							
	ME184B2	Avian Egg	Wet	0.0000373	0.0000450	39.3	121
2,3,7,8-TCDF							
	ME184B2	Avian Egg	Wet	0.0000373	0.0000402	39.3	108
Aldrin							
	MA97MR1	Avian Egg	Wet	0.0784	0.0562	9.41	71.6
HCB							
	MA97MR1	Avian Egg	Wet	0.0784	0.0636	3.58	81.1
Heptachlor							
	MA97MR1	Avian Egg	Wet	0.0784	0.0607	9.41	77.4
OCDD							
	ME184B2	Avian Egg	Wet	0.000373	0.000356	4.16	95.4
OCDF							
	ME184B2	Avian Egg	Wet	0.000373	0.000315	13.5	84.4
PCB# 101/90							
	MA97MR1	Avian Egg	Wet	0.0784	-0.00633	0.0800	-8.07
PCB# 105							
	MA97MR1	Avian Egg	Wet	0.0784	0.0142	0.160	18.1
PCB# 110							
	MA97MR1	Avian Egg	Wet	0.0784	0.0624	0.220	79.5
PCB# 118							
	MA97MR1	Avian Egg	Wet	0.0784	-0.315	0.0300	-401
PCB# 128							
	MA97MR1	Avian Egg	Wet	0.0784	0.0641	0.150	81.8
PCB# 138/160							
	MA97MR1	Avian Egg	Wet	0.0784	-0.462	0.0200	-589
PCB# 153/132							
	MA97MR1	Avian Egg	Wet	0.0784	-0.0965	0.0200	-123
PCB# 170/190							
	MA97MR1	Avian Egg	Wet	0.0784	-0.0188	0.0800	-24.0
PCB# 18/17							

Analyte	Sample Number	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
	MA97MR1	Avian Egg	Wet	0.0784	0.0578	14.0	73.7
PCB# 180							
	MA97MR1	Avian Egg	Wet	0.0784	-2.22	0.0100	-2840
PCB# 187							
	MA97MR1	Avian Egg	Wet	0.0784	-0.151	0.0400	-192
PCB# 195/208							
	MA97MR1	Avian Egg	Wet	0.0784	0.0629	0.330	80.2
PCB# 201							
	MA97MR1	Avian Egg	Wet	0.0784	0.0671	1.75	85.6
PCB# 206							
	MA97MR1	Avian Egg	Wet	0.0784	0.00984	0.220	12.5
PCB# 209							
	MA97MR1	Avian Egg	Wet	0.0784	0.0650	0.400	82.8
PCB# 28							
	MA97MR1	Avian Egg	Wet	0.0784	0.0709	0.630	90.4
PCB# 29							
	MA97MR1	Avian Egg	Wet	0.0784	0.0798	471	102
PCB# 44							
	MA97MR1	Avian Egg	Wet	0.0784	0.0580	1.53	74.0
PCB# 52							
	MA97MR1	Avian Egg	Wet	0.0784	0.0613	0.840	78.1
PCB# 66							
	MA97MR1	Avian Egg	Wet	0.0784	0.0616	0.120	78.6
PCB# 8/5							
	MA97MR1	Avian Egg	Wet	0.0784	0.0726	471	92.6
PCB# 87/115							
	MA97MR1	Avian Egg	Wet	0.0784	0.0155	0.280	19.8
alpha BHC							
	MA97MR1	Avian Egg	Wet	0.0784	0.0518	9.41	66.0
alpha chlordane							
	MA97MR1	Avian Egg	Wet	0.0784	0.0696	0.840	88.8
beta BHC							

Analyte	Sample Number	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
	MA97MR1	Avian Egg	Wet	0.0784	0.0554	9.41	70.6
chlorpyrifos							
	MA97MR1	Avian Egg	Wet	0.0891	0.0919	10.7	103
cis-nonachlor							
	MA97MR1	Avian Egg	Wet	0.0784	0.0623	0.510	79.4
delta BHC							
	MA97MR1	Avian Egg	Wet	0.0784	0.0426	9.41	54.4
dieldrin							
	MA97MR1	Avian Egg	Wet	0.0784	0.283	9.41	360.
endosulfan II							
	MA97MR1	Avian Egg	Wet	0.0784	0.0918	9.41	117
endrin							
	MA97MR1	Avian Egg	Wet	0.0784	0.0822	1.46	105
gamma BHC							
	MA97MR1	Avian Egg	Wet	0.0784	0.0585	9.41	74.6
gamma chlordane							
	MA97MR1	Avian Egg	Wet	0.0784	0.0590	2.82	75.3
heptachlor epoxide							
	MA97MR1	Avian Egg	Wet	0.0784	0.0565	2.25	72.0
mirex							
	MA97MR1	Avian Egg	Wet	0.0784	0.0604	0.880	77.0
o,p'-DDD							
	MA97MR1	Avian Egg	Wet	0.0784	0.0662	1.65	84.4
o,p'-DDE							
	MA97MR1	Avian Egg	Wet	0.0784	0.0656	9.41	83.6
o,p'-DDT							
	MA97MR1	Avian Egg	Wet	0.0784	0.0552	0.820	70.4
oxychlordane							
	MA97MR1	Avian Egg	Wet	0.0784	0.274	9.41	349
p,p'-DDD							
	MA97MR1	Avian Egg	Wet	0.0784	0.0653	0.120	83.3
p,p'-DDE							

Analyte	Sample Number	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
	MA97MR1	Avian Egg	Wet	0.0784	-2.84	0.0100	-3630
p,p'-DDT							
	MA97MR1	Avian Egg	Wet	0.0784	0.0521	9.41	66.5
pentachloro-anisole							
	MA97MR1	Avian Egg	Wet	0.0784	0.0644	9.41	82.0
trans-nonachlor							
	MA97MR1	Avian Egg	Wet	0.0784	0.0212	0.110	27.0

*** For a spike to be a valid measure of method accuracy, this ratio must be higher than 1.0.

8. Reference Materials

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
% Lipid							
	Q18929	NIST 2974	Percent			3.60	
% Moisture							
	Q31989	NRCC CARP-1	Percent			85.0	
1,2,3,4,6,7,8-HpCDD							
	Q31989	NRCC CARP-1	Wet	0.000007	0.0000018	0.00000830	119
1,2,3,4,6,7,8-HpCDF							
	Q31989	NRCC CARP-1	Wet			< 0.00000617	
1,2,3,4,7,8,9-HpCDF							
	Q31989	NRCC CARP-1	Wet			< 0.00000617	
1,2,3,4,7,8-HxCDD							
	Q31989	NRCC CARP-1	Wet	0.000002	7E-7	< 0.00000617	
1,2,3,4,7,8-HxCDF							
	Q31989	NRCC CARP-1	Wet			< 0.00000617	
1,2,3,4-Tetrachlorobenzene							
	Q18929	NIST 2974	Dry			< 0.0189	
1,2,3,6,7,8-HxCDD							
	Q31989	NRCC CARP-1	Wet	0.000006	0.0000013	< 0.00000617	
1,2,3,6,7,8-HxCDF							
	Q31989	NRCC CARP-1	Wet			< 0.00000617	
1,2,3,7,8,9-HxCDD							
	Q31989	NRCC CARP-1	Wet	0.000001	4E-7	< 0.00000617	
1,2,3,7,8,9-HxCDF							
	Q31989	NRCC CARP-1	Wet			< 0.00000617	
1,2,3,7,8-PeCDD							
	Q31989	NRCC CARP-1	Wet	0.000004	0.0000011	< 0.00000617	
1,2,3,7,8-PeCDF							
	Q31989	NRCC CARP-1	Wet	0.000005	0.000002	0.000151	3030
1,2,4,5-Tetrachlorobenzene							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	Q18929	NIST 2974	Dry			0.0226	
2,3,4,6,7,8-HxCDF							
	Q31989	NRCC CARP-1	Wet			< 0.00000617	
2,3,4,7,8-PeCDF							
	Q31989	NRCC CARP-1	Wet			< 0.00000617	
2,3,7,8-TCDD							
	Q31989	NRCC CARP-1	Wet	0.000007	6E-7	0.00000820	117
2,3,7,8-TCDF							
	Q31989	NRCC CARP-1	Wet	0.000012	0.0000027	0.0000136	113
Aldrin							
	Q18929	NIST 2974	Dry			< 0.0189	
HCB							
	Q18929	NIST 2974	Dry			< 0.0189	
Heptachlor							
	Q18929	NIST 2974	Dry			< 0.0189	
OCDD							
	Q31989	NRCC CARP-1	Wet	0.000006	0.0000019	< 0.0000124	
OCDF							
	Q31989	NRCC CARP-1	Wet			< 0.0000124	
PCB# 1							
	Q18929	NIST 2974	Dry			0.00762	
PCB# 101/90							
	Q18929	NIST 2974	Dry			0.127	
PCB# 105							
	Q18929	NIST 2974	Dry	0.053	0.0038	0.0453	85.4
PCB# 107							
	Q18929	NIST 2974	Dry			0.0208	
PCB# 110							
	Q18929	NIST 2974	Dry	0.1273	0.0094	0.132	104
PCB# 114							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 118							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	Q18929	NIST 2974	Dry	0.1308	0.0053	0.115	88.1
PCB# 119							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 126							
	Q18929	NIST 2974	Dry			0.00114	
PCB# 128							
	Q18929	NIST 2974	Dry	0.022	0.0035	0.0201	91.3
PCB# 129							
	Q18929	NIST 2974	Dry			0.00123	
PCB# 130							
	Q18929	NIST 2974	Dry			0.00210	
PCB# 135							
	Q18929	NIST 2974	Dry			0.0179	
PCB# 136							
	Q18929	NIST 2974	Dry			0.00886	
PCB# 138/160							
	Q18929	NIST 2974	Dry			0.112	
PCB# 141/179							
	Q18929	NIST 2974	Dry			0.00197	
PCB# 146							
	Q18929	NIST 2974	Dry			0.0215	
PCB# 149/123							
	Q18929	NIST 2974	Dry			0.0484	
PCB# 15							
	Q18929	NIST 2974	Dry			0.0377	
PCB# 151							
	Q18929	NIST 2974	Dry	0.0256	0.0036	0.0226	88.2
PCB# 153/132							
	Q18929	NIST 2974	Dry			0.136	
PCB# 156							
	Q18929	NIST 2974	Dry	0.0074	0.001	0.0104	141
PCB# 158							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	Q18929	NIST 2974	Dry			0.0160	
PCB# 16/32							
	Q18929	NIST 2974	Dry			0.0169	
PCB# 166							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 167							
	Q18929	NIST 2974	Dry			0.00846	
PCB# 169							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 170/190							
	Q18929	NIST 2974	Dry			0.00668	
PCB# 171/202							
	Q18929	NIST 2974	Dry			0.0112	
PCB# 172							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 174							
	Q18929	NIST 2974	Dry			0.000407	
PCB# 175							
	Q18929	NIST 2974	Dry			0.00269	
PCB# 176/137							
	Q18929	NIST 2974	Dry			0.00930	
PCB# 177							
	Q18929	NIST 2974	Dry			0.0107	
PCB# 178							
	Q18929	NIST 2974	Dry			0.00450	
PCB# 18/17							
	Q18929	NIST 2974	Dry			0.0242	
PCB# 180							
	Q18929	NIST 2974	Dry	0.0171	0.0038	0.0291	170.
PCB# 183							
	Q18929	NIST 2974	Dry	0.016	0.0024	0.0133	83.4
PCB# 185							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 187							
	Q18929	NIST 2974	Dry			0.0294	
PCB# 189							
	Q18929	NIST 2974	Dry			0.000902	
PCB# 191							
	Q18929	NIST 2974	Dry			0.000964	
PCB# 193							
	Q18929	NIST 2974	Dry			0.00107	
PCB# 194							
	Q18929	NIST 2974	Dry			0.00234	
PCB# 195/208							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 196/203							
	Q18929	NIST 2974	Dry			0.00232	
PCB# 197							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 199							
	Q18929	NIST 2974	Dry			0.00125	
PCB# 200							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 201							
	Q18929	NIST 2974	Dry			0.00131	
PCB# 205							
	Q18929	NIST 2974	Dry			0.000401	
PCB# 206							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 207							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 209							
	Q18929	NIST 2974	Dry			0.000467	
PCB# 22/51							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	Q18929	NIST 2974	Dry			0.0164	
PCB# 24/27							
	Q18929	NIST 2974	Dry			0.00380	
PCB# 25							
	Q18929	NIST 2974	Dry			0.0152	
PCB# 26							
	Q18929	NIST 2974	Dry			0.0196	
PCB# 28							
	Q18929	NIST 2974	Dry	0.079	0.015	0.0680	86.1
PCB# 29							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 30							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 31							
	Q18929	NIST 2974	Dry	0.076	0.021	0.0355	46.7
PCB# 33/20							
	Q18929	NIST 2974	Dry			0.0139	
PCB# 39							
	Q18929	NIST 2974	Dry			0.000560	
PCB# 40							
	Q18929	NIST 2974	Dry			0.0200	
PCB# 41/64							
	Q18929	NIST 2974	Dry			0.125	
PCB# 42/59/37							
	Q18929	NIST 2974	Dry			0.0372	
PCB# 44							
	Q18929	NIST 2974	Dry	0.0727	0.0077	0.0657	90.4
PCB# 45							
	Q18929	NIST 2974	Dry			0.0113	
PCB# 46							
	Q18929	NIST 2974	Dry			0.00506	
PCB# 47/75							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	Q18929	NIST 2974	Dry			0.0916	
PCB# 48							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 49							
	Q18929	NIST 2974	Dry	0.0888	0.0057	0.105	118
PCB# 52							
	Q18929	NIST 2974	Dry	0.115	0.012	0.107	93.2
PCB# 53							
	Q18929	NIST 2974	Dry			0.0157	
PCB# 60/56							
	Q18929	NIST 2974	Dry			0.115	
PCB# 63							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 66							
	Q18929	NIST 2974	Dry	0.1014	0.0054	0.0891	87.9
PCB# 67							
	Q18929	NIST 2974	Dry			0.00817	
PCB# 69							
	Q18929	NIST 2974	Dry			0.000930	
PCB# 7/9							
	Q18929	NIST 2974	Dry			0.00117	
PCB# 70							
	Q18929	NIST 2974	Dry			0.160	
PCB# 72							
	Q18929	NIST 2974	Dry			< 0.000377	
PCB# 74/61							
	Q18929	NIST 2974	Dry			0.0936	
PCB# 77							
	Q18929	NIST 2974	Dry			0.00690	
PCB# 8/5							
	Q18929	NIST 2974	Dry			0.00582	
PCB# 81							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	Q18929	NIST 2974	Dry			0.000621	
PCB# 82							
	Q18929	NIST 2974	Dry			0.0235	
PCB# 83							
	Q18929	NIST 2974	Dry			0.0171	
PCB# 84							
	Q18929	NIST 2974	Dry			0.0299	
PCB# 85							
	Q18929	NIST 2974	Dry			0.0275	
PCB# 87/115							
	Q18929	NIST 2974	Dry			0.0521	
PCB# 92							
	Q18929	NIST 2974	Dry			0.0420	
PCB# 95/80							
	Q18929	NIST 2974	Dry			0.0697	
PCB# 97							
	Q18929	NIST 2974	Dry			0.0489	
PCB# 99							
	Q18929	NIST 2974	Dry	0.0709	0.0045	0.0776	109
PCB-TOTAL							
	Q18929	NIST 2974	Dry			2.74	
alpha BHC							
	Q18929	NIST 2974	Dry			< 0.0189	
alpha chlordane							
	Q18929	NIST 2974	Dry	17.2	2.9	< 0.0189	
beta BHC							
	Q18929	NIST 2974	Dry			< 0.0189	
chlorpyrifos							
	Q18929	NIST 2974	Dry			0.0195	
cis-nonachlor							
	Q18929	NIST 2974	Dry	6.84	0.92	< 0.0189	
delta BHC							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	Q18929	NIST 2974	Dry			< 0.0189	
dieldrin							
	Q18929	NIST 2974	Dry	0.0062	0.0013	< 0.0189	
endosulfan II							
	Q18929	NIST 2974	Dry			< 0.0189	
endrin							
	Q18929	NIST 2974	Dry			< 0.0189	
gamma BHC							
	Q18929	NIST 2974	Dry			< 0.0189	
gamma chlordane							
	Q18929	NIST 2974	Dry	16.6	1.8	< 0.0189	
heptachlor epoxide							
	Q18929	NIST 2974	Dry			< 0.0189	
mirex							
	Q18929	NIST 2974	Dry			< 0.0189	
o,p'-DDD							
	Q18929	NIST 2974	Dry	0.0137	0.0028	< 0.0189	
o,p'-DDE							
	Q18929	NIST 2974	Dry	0.00526	0.00031	< 0.0189	
o,p'-DDT							
	Q18929	NIST 2974	Dry	0.0085	0.0019	< 0.0189	
oxychlordane							
	Q18929	NIST 2974	Dry			< 0.0189	
p,p'-DDD							
	Q18929	NIST 2974	Dry	0.043	0.0064	0.0308	71.7
p,p'-DDE							
	Q18929	NIST 2974	Dry	0.0512	0.0057	0.0399	77.9
p,p'-DDT							
	Q18929	NIST 2974	Dry	0.00391	0.0006	< 0.0189	
pentachloro-anisole							
	Q18929	NIST 2974	Dry			< 0.0189	
toxaphene							

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
	Q18929	NIST 2974	Dry			< 0.0943	
trans-nonachlor							
	Q18929	NIST 2974	Dry	18	3.6	< 0.0189	

S.R.M Names

SRM ID	SRM Name
NIST 2974	Mussel Tissue
NRCC CARP-1	Carp

9. Laboratory Notes

Analyte	Sample Number	Result Modifier
PCB# 101/90		
	ME199A	CONFIRMED BY GC/MS
PCB# 105		
	ME199A	CONFIRMED BY GC/MS
PCB# 110		
	ME199A	CONFIRMED BY GC/MS
PCB# 118		
	ME199A	CONFIRMED BY GC/MS
PCB# 128		
	ME199A	CONFIRMED BY GC/MS
PCB# 129		
	ME199A	CONFIRMED BY GC/MS
PCB# 138/160		
	ME199A	CONFIRMED BY GC/MS
PCB# 141/179		
	ME199A	CONFIRMED BY GC/MS
PCB# 146		
	ME199A	CONFIRMED BY GC/MS
PCB# 149/123		
	ME199A	CONFIRMED BY GC/MS
PCB# 151		
	ME199A	CONFIRMED BY GC/MS
PCB# 153/132		
	ME199A	CONFIRMED BY GC/MS
PCB# 158		
	ME199A	CONFIRMED BY GC/MS
PCB# 167		
	ME199A	CONFIRMED BY GC/MS
PCB# 170/190		

	ME199A	CONFIRMED BY GC/MS
PCB# 171/202		
	ME199A	CONFIRMED BY GC/MS
PCB# 172		
	ME199A	CONFIRMED BY GC/MS
PCB# 174		
	ME199A	CONFIRMED BY GC/MS
PCB# 177		
	ME199A	CONFIRMED BY GC/MS
PCB# 180		
	ME199A	CONFIRMED BY GC/MS
PCB# 183		
	ME199A	CONFIRMED BY GC/MS
PCB# 185		
	ME199A	CONFIRMED BY GC/MS
PCB# 187		
	ME199A	CONFIRMED BY GC/MS
PCB# 189		
	ME199A	CONFIRMED BY GC/MS
PCB# 191		
	ME199A	CONFIRMED BY GC/MS
PCB# 193		
	ME199A	CONFIRMED BY GC/MS
PCB# 194		
	ME199A	CONFIRMED BY GC/MS
PCB# 195/208		
	ME199A	CONFIRMED BY GC/MS
PCB# 196/203		
	ME199A	CONFIRMED BY GC/MS
PCB# 199		
	ME199A	CONFIRMED BY GC/MS
PCB# 201		
	ME199A	CONFIRMED BY GC/MS

PCB# 205		
	ME199A	CONFIRMED BY GC/MS
PCB# 206		
	ME199A	CONFIRMED BY GC/MS
PCB# 207		
	ME199A	CONFIRMED BY GC/MS
PCB# 209		
	ME199A	CONFIRMED BY GC/MS
PCB# 22/51		
	ME199A	CONFIRMED BY GC/MS
PCB# 28		
	ME199A	CONFIRMED BY GC/MS
PCB# 40		
	ME199A	CONFIRMED BY GC/MS
PCB# 44		
	ME199A	CONFIRMED BY GC/MS
PCB# 47/75		
	ME199A	CONFIRMED BY GC/MS
PCB# 49		
	ME199A	CONFIRMED BY GC/MS
PCB# 52		
	ME199A	CONFIRMED BY GC/MS
PCB# 60/56		
	ME199A	CONFIRMED BY GC/MS
PCB# 63		
	ME199A	CONFIRMED BY GC/MS
PCB# 66		
	ME199A	CONFIRMED BY GC/MS
PCB# 70		
	ME199A	CONFIRMED BY GC/MS
PCB# 74/61		
	ME199A	CONFIRMED BY GC/MS
PCB# 83		

	ME199A	CONFIRMED BY GC/MS
PCB# 84		
	ME199A	CONFIRMED BY GC/MS
PCB# 87/115		
	ME199A	CONFIRMED BY GC/MS
PCB# 92		
	ME199A	CONFIRMED BY GC/MS
PCB# 95/80		
	ME199A	CONFIRMED BY GC/MS
PCB# 97		
	ME199A	CONFIRMED BY GC/MS
PCB# 99		
	ME199A	CONFIRMED BY GC/MS
o,p'-DDD		
	ME199A	CONFIRMED BY GC/MS
p,p'-DDD		
	ME199A	CONFIRMED BY GC/MS
p,p'-DDE		
	ME199A	CONFIRMED BY GC/MS

Code List

If appropriate, labs are instructed to use the following codes when entering laboratory notes. The labs may use one or more of the codes in each note displayed above.

Code	Comment
A	Values reported based on Aldrin response factor.
C	Sample possibly compromised due to improper handling / packaging.
D	Sample was deleted from the catalog by the submitter.
H	Due to sample characteristics it was difficult to obtain adequate sample homogeneity - precision was impacted.
I	Interferences occurred during analysis.
L	Sample compromised or destroyed during shipment - sample not analyzed.
M	Compound identity was confirmed by GC/MS.
N	Sample was not analyzed.

P	Sample destroyed during preparation at lab - sample not analyzed.
Q	Insufficient sample quantity to perform requested analysis.
R	Sample is highly decomposed - results may be impacted.
S	Sample was substituted by the submitter.
T	Retention time relative to Aldrin.
U	GC/MS identifies the unknown compound to be _____ (fill in analyte).
W	Insufficient sample quantity to perform duplicate / spike analyses.
Y	Sample was analyzed but results may be impacted (see 'C')

10. QAQC Summary

1. Procedural Blank Summary

Procedural Blank Summary of Blank Equivalent Concentration (BEC) Data

Within a lab sample matrix, there must be three or more Blank results for a given analyte in order to generate a report.

10.2. Duplicate Summary

Duplicate Summary of Relative Percent Difference (RPD) Data

Within a lab sample matrix and concentration range, there must be three or more Duplicate results for a given analyte in order to generate a report.

10.3. Spike Summary

Spike Summary of Percent Recovery (PR) Data

Within a lab sample matrix, there must be three or more Spike results for a given analyte in order to generate a report.

10.4. SRM Summary

Standard Reference Material Summary of Percent Recovery (PR) Data

Within an SRM ID, there must be three or more Recoveries for a given analyte in order to generate a report.

11. QA/QC Anomalies

1. Blank Frequency Anomalies

The required number of blank analyses were performed.

11.2. Duplicate Frequency Anomalies

The required number of duplicate analyses were performed.

11.3. Spike Frequency Anomalies

The required number of spike sample analyses were performed with the following exceptions.

Analyte	Lab Matrix	Number of Samples	Number of Spikes	Frequency (%)	See QA/QC Note No.
PCB# 1	Animal Tissue	6	0	0	1
PCB# 107	Animal Tissue	6	0	0	2
PCB# 114	Animal Tissue	6	0	0	3
PCB# 119	Animal Tissue	6	0	0	4
PCB# 126	Animal Tissue	6	0	0	5
PCB# 129	Animal Tissue	6	0	0	6
PCB# 130	Animal Tissue	6	0	0	7
PCB# 135	Animal Tissue	6	0	0	8
PCB# 136	Animal Tissue	6	0	0	9
PCB# 141/179	Animal Tissue	6	0	0	10
PCB# 146	Animal Tissue	6	0	0	11
PCB# 149/123	Animal Tissue	6	0	0	12
PCB# 15	Animal Tissue	6	0	0	13
PCB# 151	Animal Tissue	6	0	0	14
PCB# 156	Animal Tissue	6	0	0	15
PCB# 158	Animal Tissue	6	0	0	16
PCB# 16/32	Animal Tissue	6	0	0	17
PCB# 166	Animal Tissue	6	0	0	18

The required number of spike sample analyses were performed with the following exceptions.					
Analyte	**Lab Matrix**	**Number of Samples**	**Number of Spikes**	**Frequency (%)**	**See QA/QC Note No.**
PCB# 167	Animal Tissue	6	0	0	19
PCB# 169	Animal Tissue	6	0	0	20
PCB# 171/202	Animal Tissue	6	0	0	21
PCB# 172	Animal Tissue	6	0	0	22
PCB# 174	Animal Tissue	6	0	0	23
PCB# 175	Animal Tissue	6	0	0	24
PCB# 176/137	Animal Tissue	6	0	0	25
PCB# 177	Animal Tissue	6	0	0	26
PCB# 178	Animal Tissue	6	0	0	27
PCB# 183	Animal Tissue	6	0	0	28
PCB# 185	Animal Tissue	6	0	0	29
PCB# 189	Animal Tissue	6	0	0	30
PCB# 191	Animal Tissue	6	0	0	31
PCB# 193	Animal Tissue	6	0	0	32
PCB# 194	Animal Tissue	6	0	0	33
PCB# 196/203	Animal Tissue	6	0	0	34
PCB# 197	Animal Tissue	6	0	0	35
PCB# 199	Animal Tissue	6	0	0	36
PCB# 200	Animal Tissue	6	0	0	37
PCB# 205	Animal Tissue	6	0	0	38
PCB# 207	Animal Tissue	6	0	0	39
PCB# 22/51	Animal Tissue	6	0	0	40
PCB# 24/27	Animal Tissue	6	0	0	41
PCB# 25	Animal Tissue	6	0	0	42
PCB# 26	Animal Tissue	6	0	0	43
PCB# 30	Animal Tissue	6	0	0	44
PCB# 31	Animal Tissue	6	0	0	45
PCB# 33/20	Animal Tissue	6	0	0	46
PCB# 39	Animal Tissue	6	0	0	47
PCB# 40	Animal Tissue	6	0	0	48
PCB# 41/64	Animal Tissue	6	0	0	49
PCB# 42/59/37	Animal Tissue	6	0	0	50

The required number of spike sample analyses were performed with the following exceptions.					
Analyte	**Lab Matrix**	**Number of Samples**	**Number of Spikes**	**Frequency (%)**	**See QA/QC Note No.**
PCB# 45	Animal Tissue	6	0	0	51
PCB# 46	Animal Tissue	6	0	0	52
PCB# 47/75	Animal Tissue	6	0	0	53
PCB# 48	Animal Tissue	6	0	0	54
PCB# 49	Animal Tissue	6	0	0	55
PCB# 53	Animal Tissue	6	0	0	56
PCB# 60/56	Animal Tissue	6	0	0	57
PCB# 63	Animal Tissue	6	0	0	58
PCB# 67	Animal Tissue	6	0	0	59
PCB# 69	Animal Tissue	6	0	0	60
PCB# 7/9	Animal Tissue	6	0	0	61
PCB# 70	Animal Tissue	6	0	0	62
PCB# 72	Animal Tissue	6	0	0	63
PCB# 74/61	Animal Tissue	6	0	0	64
PCB# 77	Animal Tissue	6	0	0	65
PCB# 81	Animal Tissue	6	0	0	66
PCB# 82	Animal Tissue	6	0	0	67
PCB# 83	Animal Tissue	6	0	0	68
PCB# 84	Animal Tissue	6	0	0	69
PCB# 85	Animal Tissue	6	0	0	70
PCB# 92	Animal Tissue	6	0	0	71
PCB# 95/80	Animal Tissue	6	0	0	72
PCB# 97	Animal Tissue	6	0	0	73
PCB# 99	Animal Tissue	6	0	0	74
PCB-TOTAL	Animal Tissue	6	0	0	75
toxaphene	Animal Tissue	6	0	0	76

11.4. Reference Material Frequency Anomalies

No Standard Reference Material data exists in this set of results; therefore, the anomaly test was not performed.

11.5. Mass Spec Frequency Anomalies

The required number of mass spec confirmations were performed.

11.6. Limit of Detection Anomalies

Limits of Detection were within the contract requirements with the following exceptions.

Analyte	Sample Number	Lab Matrix	* CRDL (ppm/%)	Basis	Acceptable To (ppm/%)	LOD (ppm/%)	See QA/QC Note No.
PCB# 1	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	77
PCB# 1	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	78
PCB# 114	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	79
PCB# 114	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	80
PCB# 114	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	81
PCB# 114	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	82
PCB# 114	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	83
PCB# 114	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	84
PCB# 119	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	85
PCB# 119	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	86
PCB# 119	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	87
PCB# 119	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	88
PCB# 119	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	89
PCB# 119	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	90
PCB# 136	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	91
PCB# 136	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	92
PCB# 136	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	93
PCB# 136	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	94
PCB# 136	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	95
PCB# 15	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	96
PCB# 16/32	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	97
PCB# 169	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	98
PCB# 169	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	99
PCB# 169	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	100
PCB# 18/17	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	101

Limits of Detection were within the contract requirements with the following exceptions.							
Analyte	**Sample Number**	**Lab Matrix**	*** CRDL (ppm/%)**	**Basis**	**Acceptable To (ppm/%)**	**LOD (ppm/%)**	**See QA/QC Note No.**
PCB# 24/27	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	102
PCB# 29	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	103
PCB# 29	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	104
PCB# 29	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	105
PCB# 29	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	106
PCB# 29	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	107
PCB# 29	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	108
PCB# 30	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	109
PCB# 30	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	110
PCB# 30	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	111
PCB# 30	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	112
PCB# 33/20	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	113
PCB# 39	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	114
PCB# 39	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	115
PCB# 39	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	116
PCB# 39	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	117
PCB# 44	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	118
PCB# 44	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	119
PCB# 44	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	120
PCB# 45	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	121
PCB# 45	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	122
PCB# 45	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	123
PCB# 45	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	124
PCB# 45	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	125
PCB# 46	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	126
PCB# 46	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	127
PCB# 48	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	128
PCB# 48	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	129
PCB# 48	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	130
PCB# 48	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	131
PCB# 48	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	132
PCB# 48	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	133

Limits of Detection were within the contract requirements with the following exceptions.							
Analyte	**Sample Number**	**Lab Matrix**	*** CRDL (ppm/%)**	**Basis**	**Acceptable To (ppm/%)**	**LOD (ppm/%)**	**See QA/QC Note No.**
PCB# 53	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	134
PCB# 53	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	135
PCB# 53	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	136
PCB# 53	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	137
PCB# 53	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	138
PCB# 7/9	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	139
PCB# 7/9	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	140
PCB# 7/9	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	141
PCB# 7/9	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	142
PCB# 72	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	143
PCB# 72	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	144
PCB# 72	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	145
PCB# 72	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	146
PCB# 72	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	147
PCB# 72	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	148
PCB# 8/5	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	149
PCB# 8/5	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	150
PCB# 8/5	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	151
PCB# 8/5	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	152
PCB# 8/5	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	153
PCB# 81	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	154
PCB# 85	ME184B2	Animal Tissue	0.0001	Wet	0.000300	0.000303	155
PCB# 85	MA97MR1	Animal Tissue	0.0001	Wet	0.000300	0.000333	156
PCB# 85	ME289A	Animal Tissue	0.0001	Wet	0.000300	0.000339	157
PCB# 85	ME184B1	Animal Tissue	0.0001	Wet	0.000300	0.000345	158
PCB# 85	MA97QR01	Animal Tissue	0.0001	Wet	0.000300	0.000351	159
PCB# 85	ME199A	Animal Tissue	0.0001	Wet	0.000300	0.000392	160

* CRDL = Contract Required Detection Limit.

11.7. Blank Anomalies

Procedural Blank analyses were acceptable with the following exceptions.					
Analyte	**Lab Matrix**	*** BEC (ppm/%)**	**LOD (ppm/%)**	**Basis**	**See QA/QC Note No.**
PCB# 107	Animal Tissue	0.000319	0.00004	Wet	161
PCB# 138/160	Animal Tissue	0.000321	0.00004	Wet	162
PCB# 149/123	Animal Tissue	0.000127	0.00004	Wet	163
PCB# 153/132	Animal Tissue	0.000396	0.00004	Wet	164
PCB# 170/190	Animal Tissue	0.000172	0.00004	Wet	165
PCB# 175	Animal Tissue	0.000165	0.00004	Wet	166
PCB# 180	Animal Tissue	0.000281	0.00004	Wet	167
PCB# 187	Animal Tissue	0.000134	0.00004	Wet	168

* BEC = Blank Equivalent Concentration.

11.8. Duplicate Anomalies

All duplicate results were within normal limits with the following exceptions.							
Analyte	**Sample Number**	**Lab Matrix**	**LOD Mean**	**Initial Result ppm/%**	**Duplicate Result ppm/%**	**Relative Percent Diff.**	**See QA/QC Note No.**
PCB# 15	MA97MR1	Animal Tissue	0.000355	0.0132	0.0270	68.6	169
PCB# 18/17	MA97MR1	Animal Tissue	0.000355	0.00559	0.0116	69.8	170
PCB# 77	MA97MR1	Animal Tissue	0.000355	0.0119	0.00657	57.9	173
PCB# 67	MA97MR1	Animal Tissue	0.000355	0.00830	0.0351	124	172
PCB# 30	MA97MR1	Animal Tissue	0.000355	0.000966	0.00537	139	171

11.9. Spike Anomalies

All spike results were within normal limits.

11.10. S.R.M. Anomalies

All SRM results were within normal limits with the following exceptions.							
Analyte	**S.R.M. ID**	**Certified**	**95%**	**LOD**	**Result**	**% Recovery**	**See QA/QC**

All SRM results were within normal limits with the following exceptions.							
Analyte	**S.R.M. ID**	**Certified Value**	**95% Confidence Interval**	**LOD (ppm/%)**	**Result (ppm/%)**	**% Recovery**	**See QA/QC Note No.**
1,2,3,7,8-PeCDF	NRCC CARP-1	0.00000500	0.00000200	0.00000617	0.000151	3030	174
PCB# 156	NIST 2974	0.00740	0.00100	0.000377	0.0104	141	175
PCB# 180	NIST 2974	0.0171	0.00380	0.000377	0.0291	170.	176
PCB# 31	NIST 2974	0.0760	0.0210	0.000377	0.0355	46.7	177

S.R.M Names

SRM ID	SRM Name
NIST 2974	Mussel Tissue
NRCC CARP-1	Carp

11.11. QA/QC Notes

QA/QC Note Number and Comments
QA/QC NOTES: 1-76 It is not practical to spike with every congener. Toxaphene and Total PCB can interfere with other analytes. The spiking procedure used was acceptable. 77-160 The limits of detection were slightly above the contract norm. This should have no additional affect on the interpretation of the data. 161-168 These congeners had reportable concentration is the procedural blank. Based on the sample concentrations, this is insignificant. 169-173 The variability of several congeners in the duplicate analysis was high. This should have no affect on the interpretation of the data. 174 Recovery of 1,2,3,7,8- PeCDF from the SRM NRCC CARP-1 was extremely high. GERG has consistently obtained this result since they started

using a new LOT of the SRM. They are investigating the possibilty of contamination or the need for re certification with the NRCC. Based on other QC, the results for this catalog are approved.

175-176 Recovery of Three congeners from SRM NIST 2974 were outside the normal range. This should have no affect on the interpretation of the data.

12. Analytical Methods

Below are the analytical methods used by GERG to produce the results included in this report.

Method Codes:	001

Lab Matrix	Analyte
Animal Tissue	1,2,3,4-Tetrachlorobenzene
	1,2,4,5-Tetrachlorobenzene
	Aldrin
	HCB
	Heptachlor
	PCB# 1
	PCB# 101/90
	PCB# 105
	PCB# 107
	PCB# 110
	PCB# 114
	PCB# 118
	PCB# 119
	PCB# 126
	PCB# 128
	PCB# 129
	PCB# 130
	PCB# 135
	PCB# 136
	PCB# 138/160
	PCB# 141/179
	PCB# 146
	PCB# 149/123
	PCB# 15
	PCB# 151
	PCB# 153/132
	PCB# 156

PCB# 158
PCB# 16/32
PCB# 166
PCB# 167
PCB# 169
PCB# 170/190
PCB# 171/202
PCB# 172
PCB# 174
PCB# 175
PCB# 176/137
PCB# 177
PCB# 178
PCB# 18/17
PCB# 180
PCB# 183
PCB# 185
PCB# 187
PCB# 189
PCB# 191
PCB# 193
PCB# 194
PCB# 195/208
PCB# 196/203
PCB# 197
PCB# 199
PCB# 200
PCB# 201
PCB# 205
PCB# 206
PCB# 207
PCB# 209
PCB# 22/51
PCB# 24/27

PCB# 25
PCB# 26
PCB# 28
PCB# 29
PCB# 30
PCB# 31
PCB# 33/20
PCB# 39
PCB# 40
PCB# 41/64
PCB# 42/59/37
PCB# 44
PCB# 45
PCB# 46
PCB# 47/75
PCB# 48
PCB# 49
PCB# 52
PCB# 53
PCB# 60/56
PCB# 63
PCB# 66
PCB# 67
PCB# 69
PCB# 7/9
PCB# 70
PCB# 72
PCB# 74/61
PCB# 77
PCB# 8/5
PCB# 81
PCB# 82
PCB# 83
PCB# 84

PCB# 85
PCB# 87/115
PCB# 92
PCB# 95/80
PCB# 97
PCB# 99
PCB-TOTAL
alpha BHC
alpha chlordane
beta BHC
chlorpyrifos
cis-nonachlor
delta BHC
dieldrin
endosulfan II
endrin
gamma BHC
gamma chlordane
heptachlor epoxide
mirex
o,p'-DDD
o,p'-DDE
o,p'-DDT
oxychlordane
p,p'-DDD
p,p'-DDE
p,p'-DDT
pentachloro-anisole
toxaphene
trans-nonachlor

Method Code: 001
LABORATORY: Geochemical & Environmental Research Group, Texas A&M

Tissue Organics

The tissue samples were extracted by the NOAA Status and Trends Method (MacLeod et al., 1985) with minor revisions (Brooks et al., 1989; Wade et al., 1988). Briefly, the tissue samples were homogenized with a Teckmar Tissumizer. A 1 to 10-gram sample (wet weight) was extracted with the Teckmar Tissumizer by adding surrogate standards, Na2SO4, and methylene chloride in a centrifuge tube. The tissue extracts were purified by silica/alumina column chromatography to isolate the aliphatic and PAH/pesticide/PCB fractions. The PAH/pesticide/PCB fraction was further purified by HPLC in order to remove interfering lipids.

The quantitative analyses were performed by capillary gas chromatography (CGC) with a flame ionization detector for aliphatic hydrocarbons, CGC with electron capture detector for pesticides and PCB's, and a mass spectrometer detector in the SIM mode for aromatic hydrocarbons (Wade et al., 1988).

There are specific cases where analytes requested for the pesticide and PCB analyses and are known to co-elute with other analytes in the normal CGC with electron capture. These include the pesticide Endosulfan I and the PCB congeners 114 and 157. In these cases, the samples will be analyzed by CGC with a mass spectrometer detector in the SIM mode.

References

1. Brooks, J.M., T.L. Wade, E.L. Atlas, M.C. Kennicutt II, B.J. Presley, R.R. Fay, E.N. Powell, and G. Wolff (1989) Analysis of Bivalves and Sediments for Organic Chemicals and Trace Elements. Third Annual Report for NOAA's National Status and Trends Program, Contract 50-DGNC-5-00262.

2. MacLeod, W.D., D.W. Brown, A.J. Friedman, D.G. Burrow, O. Mayes, R.W. Pearce, C.A. Wigren, and R.G. Bogar (1985) Standard Analytical Procedures of the NOAA National Analytical Facility 1985-1986. Extractable Toxic Organic Compounds. 2nd Ed. U.S. Department of Commerce, NOAA/NMFS, NOAA Tech. Memo. NMFS F/NWRC-92.

3. Wade, T.L., E.L. Atlas, J.M. Brooks, M.C. Kennicutt II, R.G. Fox, J. Sericano, B. Garcia, and D. DeFreitas (1988) NOAA Gulf of Mexico Status and Trends Program: Trace Organic Contaminant Distribution in Sediments and Oyster. Estuaries 11, 171-179.

Method Codes:	003

Lab Matrix	Analyte
Animal Tissue	% Lipid
	% Moisture

Method Code: 003
LABORATORY: Geochemical & Environmental Research Group, Texas A&M % Dry Weight Approximately 1 gram of wet sample is weighed into a clean, labeled, preweighed 10 ml beaker. The beaker is placed in a forced air oven at approximately 75 degrees Celsius for 24 hours. The beaker with the dry sample is then weighed and the % dry weight is calculated by the formula: $\frac{\text{(wt. dry sample and beaker) - (wt. beaker) (100)}}{\text{(wt. wet sample and beaker) - (wt. beaker)}}$

Method Codes:	026

Lab Matrix	Analyte
Animal Tissue	1,2,3,4,6,7,8-HpCDD
	1,2,3,4,6,7,8-HpCDF
	1,2,3,4,7,8,9-HpCDF
	1,2,3,4,7,8-HxCDD
	1,2,3,4,7,8-HxCDF
	1,2,3,6,7,8-HxCDD
	1,2,3,6,7,8-HxCDF
	1,2,3,7,8,9-HxCDD
	1,2,3,7,8,9-HxCDF
	1,2,3,7,8-PeCDD
	1,2,3,7,8-PeCDF
	2,3,4,6,7,8-HxCDF
	2,3,4,7,8-PeCDF
	2,3,7,8-TCDD
	2,3,7,8-TCDF
	OCDD
	OCDF

Method Code: 026
LABORATORY: Geochemical & Environmental Research Group, Texas A&M Dioxin/Furan Analysis The procedure uses matrix specific extraction, analyte specific cleanup, and HRGC/HRMS analysis techniques. If interferences are encountered, the method provides selected cleanup procedures to aid in their elimination. A specified amount of the sample matrix is spiked with a solution containing each of fifteen isotopically (13C12) labeled PCDDs/PCDFs. The sample is then extracted according to a matrix specific extraction procedure. Aqueous samples that are judged to contain 1% or more solids, and solid samples that show an aqueous phase, are filtered, the solid phase and the aqueous phase extracted separately, and the extracts combined before cleanup. Following a solvent exchange step, the extracts are cleaned up by column chromatography on alumina, silica gel, and AX-21 activated carbon on silica. The preparation of the final extract for HRGA/HRMS analysis is accomplished by adding two isotopically (13C12) labeled recovery standards. Two uL of the concentrated extracts are injected into an HRGC/HRMS system capable of performing selected ion monitoring at resolving powers of at least 10,000 (10% valley definition). The identification of the sixteen 2378-substituted isomers for which a 13C-labeled standard is available is based on their elution at their exact retention time and the simultaneous detection of the two most abundant ions in the molecular ion region. The identification of OCDF is based on its retention time relative to 13C-OCDD. Confirmation is based on a comparison of the ratios of the integrated ion abundance of the molecular ion species to their theoretical abundance ratios. Quantitation of the individual congeners is achieved in conjunction with the establishment of a multipoint calibration curve for each homologue, during which each calibration solution is analyzed once. REFERENCES Tondeur, Yves, "Method 8290: Analytical Procedures and Quality Assurance for Multimedia Analysis of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry", USEPA EMSL, Las Vegas, Nevada, June 1987. (Revision 0, November 1990.) USEPA Office of Water Regulation and Standards, Industrial Technology Division, "Method 1613: Tetra- through Octa- Chlorinated Dioxins and Furans by Isotope Dilution HRGC/HRMS", Revision A, April 1990.

APPENDIX C – Eggs

Trace Elements

ECDMS Analytical Report
Geochemical & Environmental Research Group
Texas A&M, College Station, Texas
1/26/01

Analytical Results Report TOC

Page 2 - Chapter 1. : ECDMS Analytical Results Report 11/14/2007

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Page 11 - Chapter 7. : Spike Recoveries

Page 13 - Chapter 8. : Reference Materials

Page 16 - Chapter 10. : QAQC Summary

Page 17 - Chapter 11. : QA/QC Anomalies

Page 20 - Chapter 12. : Analytical Methods

1. ECDMS Analytical Results Report 11/14/2007

Catalog Number	Purchase Order Number	Lab ID	Catalog Submitter	ECDMS User ID
5030102	92223-00-Y515	GERG	Mierzykowski, Steve - Concord, NH	r5nefo

Catalog Title	Bald Eagle Addled Eggs - 2000
Lab Name:	Geochemical and Environmental Research Group
Regional Study ID:	5F01
Regional Study Title:	Emergency Analytical Funds

Notes, Symbols and Abbreviations Used
Based on the report options selected the report should be **printed in landscape mode**
Notes, Symbols and Abbreviations Used The following may appear before a reported result (e.g. < 1234). < - Less than symbol indicates that the actual result is less than the reported detection limit. > - Greater than symbol indicates that the actual result is greater than the reported result.
All results are reported as 3 significant digits.
All results are reported as parts per million (ppm), or percent, unless otherwise noted.

1. Integrity Report

Lab Receipt Date	08/15/2000	**Lab Approval Date**	08/15/2000

Catalog Problems
No problems reported
Problem Resolution

2. Bulk Data

Sample Number	Sample Matrix	Percent Moisture
MA97MR1	Avian Egg	75.9
MA97QR01	Avian Egg	80.9
ME184B1	Avian Egg	83.0
ME184B2	Avian Egg	82.5
ME199A	Avian Egg	64.6
ME289A	Avian Egg	81.8

4. Contaminant Concentrations

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
Aluminum						
	MA97MR1	Avian Egg	< 5.00	5.00	< 1.20	1.20
	MA97QR01	Avian Egg	< 5.00	5.00	< 0.955	0.955
Arsenic						
	MA97MR1	Avian Egg	< 0.500	0.500	< 0.120	0.120
	MA97QR01	Avian Egg	< 0.500	0.500	< 0.0955	0.0955
	ME184B1	Avian Egg	< 0.500	0.500	< 0.0850	0.0850
	ME184B2	Avian Egg	< 0.500	0.500	< 0.0875	0.0875
	ME199A	Avian Egg	< 0.500	0.500	< 0.177	0.177
	ME289A	Avian Egg	< 0.500	0.500	< 0.0910	0.0910
Boron						
	MA97MR1	Avian Egg	< 2.00	2.00	< 0.482	0.482
	MA97QR01	Avian Egg	< 2.00	2.00	< 0.382	0.382
Barium						
	MA97MR1	Avian Egg	< 1.00	1.00	< 0.241	0.241
	MA97QR01	Avian Egg	< 1.00	1.00	< 0.191	0.191
Beryllium						
	MA97MR1	Avian Egg	< 0.100	0.100	< 0.0241	0.0241
	MA97QR01	Avian Egg	< 0.100	0.100	< 0.0191	0.0191
Cadmium						
	MA97MR1	Avian Egg	< 0.100	0.100	< 0.0241	0.0241
	MA97QR01	Avian Egg	< 0.100	0.100	< 0.0191	0.0191
	ME184B1	Avian Egg	< 0.100	0.100	< 0.0170	0.0170
	ME184B2	Avian Egg	< 0.100	0.100	< 0.0175	0.0175
	ME199A	Avian Egg	< 0.100	0.100	< 0.0354	0.0354
	ME289A	Avian Egg	< 0.100	0.100	< 0.0182	0.0182
Chromium						

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97MR1	Avian Egg	0.890	0.500	0.214	0.120
	MA97QR01	Avian Egg	1.17	0.500	0.223	0.0955
Copper						
	MA97MR1	Avian Egg	2.80	0.500	0.675	0.120
	MA97QR01	Avian Egg	2.44	0.500	0.466	0.0955
Iron						
	MA97MR1	Avian Egg	70.1	5.00	16.9	1.20
	MA97QR01	Avian Egg	36.3	5.00	6.93	0.955
Mercury						
	MA97MR1	Avian Egg	3.53	0.200	0.852	0.0482
	MA97QR01	Avian Egg	3.60	0.200	0.688	0.0382
	ME184B1	Avian Egg	0.864	0.200	0.147	0.0340
	ME184B2	Avian Egg	0.884	0.200	0.155	0.0350
	ME199A	Avian Egg	1.77	0.200	0.627	0.0708
	ME289A	Avian Egg	1.64	0.200	0.299	0.0364
Magnesium						
	MA97MR1	Avian Egg	486	5.00	117	1.20
	MA97QR01	Avian Egg	279	5.00	53.4	0.955
Manganese						
	MA97MR1	Avian Egg	< 1.00	1.00	< 0.241	0.241
	MA97QR01	Avian Egg	< 1.00	1.00	< 0.191	0.191
Molybdenum						
	MA97MR1	Avian Egg	< 2.00	2.00	< 0.482	0.482
	MA97QR01	Avian Egg	< 2.00	2.00	< 0.382	0.382
Nickel						
	MA97MR1	Avian Egg	< 0.500	0.500	< 0.120	0.120
	MA97QR01	Avian Egg	1.73	0.500	0.330	0.0955
Lead						
	MA97MR1	Avian Egg	< 0.500	0.500	< 0.120	0.120

Analyte	Sample Number	Sample Matrix	Dry Weight (ppm)	DL Dry Weight (ppm)	Wet Weight (ppm)	DL Wet Weight (ppm)
	MA97QR01	Avian Egg	< 0.500	0.500	< 0.0955	0.0955
	ME184B1	Avian Egg	< 0.500	0.500	< 0.0850	0.0850
	ME184B2	Avian Egg	< 0.500	0.500	< 0.0875	0.0875
	ME199A	Avian Egg	< 0.500	0.500	< 0.177	0.177
	ME289A	Avian Egg	< 0.500	0.500	< 0.0910	0.0910
Selenium						
	MA97MR1	Avian Egg	2.05	0.500	0.493	0.120
	MA97QR01	Avian Egg	3.92	0.500	0.748	0.0955
	ME184B1	Avian Egg	0.959	0.500	0.163	0.0850
	ME184B2	Avian Egg	1.38	0.500	0.242	0.0875
	ME199A	Avian Egg	2.16	0.500	0.765	0.177
	ME289A	Avian Egg	0.898	0.500	0.164	0.0910
Strontium						
	MA97MR1	Avian Egg	1.33	0.500	0.321	0.120
	MA97QR01	Avian Egg	1.40	0.500	0.267	0.0955
Vanadium						
	MA97MR1	Avian Egg	2.06	0.500	0.496	0.120
	MA97QR01	Avian Egg	0.810	0.500	0.155	0.0955
Zinc						
	MA97MR1	Avian Egg	40.0	1.00	9.65	0.241
	MA97QR01	Avian Egg	35.3	1.00	6.75	0.191

5. Procedural Blanks

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
Aluminum					
	I2462	Animal Tissue	-1.55	< 5.00	Dry
Arsenic					
	I2462	Animal Tissue	0.000900	< 0.500	Dry
Boron					
	I2462	Animal Tissue	-0.0525	< 2.00	Dry
Barium					
	I2462	Animal Tissue	-0.0425	< 1.00	Dry
Beryllium					
	I2462	Animal Tissue	0.000	< 0.100	Dry
Cadmium					
	I2462	Animal Tissue	0.00122	< 0.100	Dry
Chromium					
	I2462	Animal Tissue	0.185	0.740	Dry
Copper					
	I2462	Animal Tissue	-0.0600	< 0.500	Dry
Iron					
	I2462	Animal Tissue	0.0800	< 5.00	Dry
Mercury					
	I2446	Animal Tissue	0.0113	< 0.200	Dry
Magnesium					
	I2462	Animal Tissue	-1.53	< 5.00	Dry
Manganese					
	I2462	Animal Tissue	0.0350	< 1.00	Dry
Molybdenum					
	I2462	Animal Tissue	-0.555	< 2.00	Dry
Nickel					
	I2462	Animal Tissue	0.222	0.890	Dry
Lead					
	I2462	Animal Tissue	0.0420	< 0.500	Dry

Analyte	Lab Sample Number	Lab Sample Matrix	Result Total UG	** BEC (ppm/%)	Basis
Selenium					
	I2462	Animal Tissue	-0.0161	< 0.500	Dry
Strontium					
	I2462	Animal Tissue	-0.0175	< 0.500	Dry
Vanadium					
	I2462	Animal Tissue	0.170	0.680	Dry
Zinc					
	I2462	Animal Tissue	0.362	1.45	Dry

** Blank Equivalent Concentration

6. Duplicates

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
% Moisture							
	MA97MR1	Avian Egg	Percent	75.9	75.9	75.9	0.000
	ME199A	Avian Egg	Percent	64.6	64.6	64.6	0.000
Aluminum							
	MA97MR1	Avian Egg	Dry	< 5.00	< 5.00	2.50	0.000
Arsenic							
	MA97MR1	Avian Egg	Dry	< 0.500	< 0.500	0.250	0.000
Boron							
	MA97MR1	Avian Egg	Dry	< 2.00	< 2.00	1.00	0.000
Barium							
	MA97MR1	Avian Egg	Dry	< 1.00	< 1.00	0.500	0.000
Beryllium							
	MA97MR1	Avian Egg	Dry	< 0.100	< 0.100	0.0500	0.000
Cadmium							
	MA97MR1	Avian Egg	Dry	< 0.100	< 0.100	0.0500	0.000
Chromium							
	MA97MR1	Avian Egg	Dry	0.890	0.950	0.920	6.52
Copper							
	MA97MR1	Avian Egg	Dry	2.80	2.48	2.64	12.1
Iron							
	MA97MR1	Avian Egg	Dry	70.1	60.1	65.1	15.4
Mercury							
	ME199A	Avian Egg	Dry	1.77	1.68	1.73	5.12
Magnesium							
	MA97MR1	Avian Egg	Dry	486	418	452	14.9
Manganese							
	MA97MR1	Avian Egg	Dry	< 1.00	< 1.00	0.500	0.000
Molybdenum							
	MA97MR1	Avian Egg	Dry	< 2.00	< 2.00	1.00	0.000
Nickel							

Analyte	Sample Number	Sample Matrix	Basis	Initial Result (ppm/%)	Duplicate Result (ppm/%)	Average	Relative Percent Diff.
	MA97MR1	Avian Egg	Dry	< 0.500	< 0.500	0.250	0.000
Lead							
	MA97MR1	Avian Egg	Dry	< 0.500	< 0.500	0.250	0.000
Selenium							
	MA97MR1	Avian Egg	Dry	2.05	2.15	2.10	4.76
Strontium							
	MA97MR1	Avian Egg	Dry	1.33	1.44	1.38	7.94
Vanadium							
	MA97MR1	Avian Egg	Dry	2.06	3.09	2.58	40.0
Zinc							
	MA97MR1	Avian Egg	Dry	40.0	37.6	38.8	6.42

7. Spike Recoveries

Analyte	Sample Number	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
% Moisture							
	MA97QR01	Avian Egg	Percent	80.9	0.000	1.00	0.000
	ME289A	Avian Egg	Percent	81.8	0.000	1.00	0.000
Aluminum							
	MA97QR01	Avian Egg	Dry	124	95.6	49.8	76.9
Arsenic							
	MA97QR01	Avian Egg	Dry	24.9	29.6	99.5	119
Boron							
	MA97QR01	Avian Egg	Dry	62.2	59.9	62.2	96.3
Barium							
	MA97QR01	Avian Egg	Dry	12.4	11.3	24.9	91.2
Beryllium							
	MA97QR01	Avian Egg	Dry	6.22	5.39	124	86.7
Cadmium							
	MA97QR01	Avian Egg	Dry	3.11	2.86	62.2	92.0
Chromium							
	MA97QR01	Avian Egg	Dry	24.9	23.0	21.3	92.3
Copper							
	MA97QR01	Avian Egg	Dry	62.2	57.1	25.5	91.8
Iron							
	MA97QR01	Avian Egg	Dry	622	558	17.1	89.7
Mercury							
	ME289A	Avian Egg	Dry	3.43	2.91	2.09	84.9
Magnesium							
	MA97QR01	Avian Egg	Dry	1240	1000	4.45	80.7
Manganese							
	MA97QR01	Avian Egg	Dry	62.2	55.7	124	89.5
Molybdenum							
	MA97QR01	Avian Egg	Dry	62.2	54.6	62.2	87.8

Analyte	Sample Number	Sample Matrix	Basis	Spike Level (ppm/%)	Amount Recovered (ppm/%)	*** Spike Background	Percent Recovery
Nickel							
	MA97QR01	Avian Egg	Dry	24.9	21.0	14.4	84.4
Lead							
	MA97QR01	Avian Egg	Dry	6.22	6.70	24.9	108
Selenium							
	MA97QR01	Avian Egg	Dry	62.2	59.2	15.9	95.2
Strontium							
	MA97QR01	Avian Egg	Dry	31.1	30.3	22.2	97.4
Vanadium							
	MA97QR01	Avian Egg	Dry	24.9	23.2	30.7	93.2
Zinc							
	MA97QR01	Avian Egg	Dry	124	116	3.52	92.9

*** For a spike to be a valid measure of method accuracy, this ratio must be higher than 1.0.

8. Reference Materials

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
Aluminum							
	I2464	NRCC DOLT-2	Dry	25.2	2.4	15.4	61.2
	I2465	NRCC DORM-2	Dry	10.9	1.7	< 5.00	
Arsenic							
	I2464	NRCC DOLT-2	Dry	16.6	1.1	15.1	91.2
	I2465	NRCC DORM-2	Dry	18	1.1	14.9	82.9
Boron							
	I2464	NRCC DOLT-2	Dry			< 2.00	
	I2465	NRCC DORM-2	Dry			< 2.00	
Barium							
	I2464	NRCC DOLT-2	Dry			< 1.00	
	I2465	NRCC DORM-2	Dry			2.12	
Beryllium							
	I2464	NRCC DOLT-2	Dry			< 0.100	
	I2465	NRCC DORM-2	Dry			< 0.100	
Cadmium							
	I2464	NRCC DOLT-2	Dry	20.8	0.5	18.5	89.2
	I2465	NRCC DORM-2	Dry	0.043	0.008	< 0.100	
Chromium							
	I2464	NRCC DOLT-2	Dry	0.37	0.08	1.19	322
	I2465	NRCC DORM-2	Dry	34.7	5.5	37.1	107
Copper							
	I2464	NRCC DOLT-2	Dry	25.8	1.1	24.3	94.2
	I2465	NRCC DORM-	Dry	2.34	0.16	1.84	78.6

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
		2					
Iron							
	I2464	NRCC DOLT-2	Dry	1103	47	942	85.4
	I2465	NRCC DORM-2	Dry	142	10	153	108
Mercury							
	I2448	NRCC DOLT-2	Dry	2.14	0.28	2.06	96.2
	I2449	NRCC DORM-2	Dry	4.64	0.26	4.43	95.5
Magnesium							
	I2464	NRCC DOLT-2	Dry			739	
	I2465	NRCC DORM-2	Dry			883	
Manganese							
	I2464	NRCC DOLT-2	Dry	6.88	0.56	5.59	81.2
	I2465	NRCC DORM-2	Dry	3.66	0.34	3.77	103
Molybdenum							
	I2464	NRCC DOLT-2	Dry			< 2.00	
	I2465	NRCC DORM-2	Dry			< 2.00	
Nickel							
	I2464	NRCC DOLT-2	Dry	0.2	0.02	1.62	810.
	I2465	NRCC DORM-2	Dry	19.4	3.1	19.2	98.8
Lead							
	I2464	NRCC DOLT-2	Dry	0.22	0.02	< 0.500	
	I2465	NRCC DORM-2	Dry	0.065	0.007	< 0.500	
Selenium							
	I2464	NRCC DOLT-2	Dry	6.06	0.49	4.33	71.4
	I2465	NRCC DORM-2	Dry	1.4	0.09	1.18	84.1

Analyte	Lab Sample Number	S.R.M. ID	Basis	Certified Reference Value	95% Confidence Interval	Result (ppm/%)	Percent Recovery
Strontium							
	I2464	NRCC DOLT-2	Dry			4.46	
	I2465	NRCC DORM-2	Dry			2.20	
Vanadium							
	I2464	NRCC DOLT-2	Dry			1.22	
	I2465	NRCC DORM-2	Dry			2.00	
Zinc							
	I2464	NRCC DOLT-2	Dry	85.8	2.5	86.0	100.
	I2465	NRCC DORM-2	Dry	25.6	2.3	23.0	89.7

S.R.M Names

SRM ID	SRM Name
NRCC DOLT-2	Dogfish Liver
NRCC DORM-2	Dogfish Muscle

10. QAQC Summary

1. Procedural Blank Summary

Procedural Blank Summary of Blank Equivalent Concentration (BEC) Data

Within a lab sample matrix, there must be three or more Blank results for a given analyte in order to generate a report.

10.2. Duplicate Summary

Duplicate Summary of Relative Percent Difference (RPD) Data

Within a lab sample matrix and concentration range, there must be three or more Duplicate results for a given analyte in order to generate a report.

10.3. Spike Summary

Spike Summary of Percent Recovery (PR) Data

Within a lab sample matrix, there must be three or more Spike results for a given analyte in order to generate a report.

10.4. SRM Summary

Standard Reference Material Summary of Percent Recovery (PR) Data

Within an SRM ID, there must be three or more Recoveries for a given analyte in order to generate a report.

11. QA/QC Anomalies

1. Blank Frequency Anomalies

The required number of blank analyses were performed.

11.2. Duplicate Frequency Anomalies

The required number of duplicate analyses were performed.

11.3. Spike Frequency Anomalies

The required number of spike analyses were performed.

11.4. Reference Material Frequency Anomalies

The required number of Standard Reference Material analyses were performed.

11.5. Mass Spec Frequency Anomalies

No Carbamate, OC, or OP data exists in this set of results; therefore, the anomaly test was not performed.

11.6. Limit of Detection Anomalies

Limits of Detection were within the contract requirements.

11.7. Blank Anomalies

No Procedural Blank data exists in this set of results; therefore, the anomaly test was not performed.

11.8. Duplicate Anomalies

All duplicate results were within normal limits with the following exceptions.							
Analyte	**Sample Number**	**Lab Matrix**	**LOD Mean**	**Initial Result ppm/%**	**Duplicate Result ppm/%**	**Relative Percent Diff.**	**See QA/QC Note No.**
Vanadium	MA97MR1	Animal Tissue	0.500	2.06	3.09	40.0	1

11.9. Spike Anomalies

All spike results were within normal limits.

11.10. S.R.M. Anomalies

All SRM results were within normal limits with the following exceptions.							
Analyte	**S.R.M. ID**	**Certified Value**	**95% Confidence Interval**	**LOD (ppm/%)**	**Result (ppm/%)**	**% Recovery**	**See QA/QC Note No.**
Nickel	NRCC DOLT-2	0.200	0.0200	0.500	1.62	810.	2
Selenium	NRCC DOLT-2	6.06	0.490	0.500	4.33	71.4	3

S.R.M Names

SRM ID	SRM Name
NRCC DOLT-2	Dogfish Liver

11.11. QA/QC Notes

QA/QC Note Number and Comments
QA/QC NOTES: 1 The variability of Vanadium in tissue was slightly higher than is normally seen. This should have no affect on the interpretation of the data.

2 Recovery of Ni from the Reference material was very high. The lab verifies the calculations. Nickel results are questionable.

3 Recovery of Se from the reference material was slightly low. This is of no significance.

12. Analytical Methods

Below are the analytical methods used by GERG to produce the results included in this report.

Method Codes:	003

Lab Matrix	Analyte
Animal Tissue	% Moisture

Method Code: 003
LABORATORY: Geochemical & Environmental Research Group, Texas A&M % Dry Weight Approximately 1 gram of wet sample is weighed into a clean, labeled, preweighed 10 ml beaker. The beaker is placed in a forced air oven at approximately 75 degrees Celsius for 24 hours. The beaker with the dry sample is then weighed and the % dry weight is calculated by the formula: (wt. dry sample and beaker) - (wt. beaker) (100) _____ (wt. wet sample and beaker) - (wt. beaker)

Method Codes:	021

Lab Matrix	Analyte
Animal Tissue	Aluminum
	Arsenic
	Boron
	Barium
	Beryllium
	Cadmium
	Chromium
	Copper

Iron
Mercury
Magnesium
Manganese
Molybdenum
Nickel
Lead
Selenium
Strontium
Vanadium
Zinc

Method Code: 021
LABORATORY: Geochemical & Environmental Research Group, Texas A&M Trace Metal Total Tissue BOMB Digest Tissues are digested in heavy-walled, screw-cap Teflon Bombs with concentrated high purity nitric acid. Bombs are heated (for 2-8 hours) and opened three times to release CO2 build-up. Oven temperature is 129 deg. C. This procedure results in a total digestion with all trace elements present in the tissue samples being solubilized. Most metals in the digestate are determined by graphite furnace AAS, in which electrical heating is used to produce an atomic cloud. Some elements are typically in high enough concentration (e.g. Zn) to be determined by flame AAS. Mercury is determined by cold vapor atomic absorption spectrometry (AAS), in which Sn2+ is used to reduce Hg0.