

**DATA REPORT FOR THE COLLECTION OF  
BULLFROG (*RANA CATESBEIANA*) TADPOLES  
AND NEAR-SHORE SEDIMENT SAMPLES FROM  
THE HUDSON RIVER, NEW YORK**

**HUDSON RIVER NATURAL RESOURCE  
DAMAGE ASSESSMENT**

**HUDSON RIVER NATURAL RESOURCE TRUSTEES**

STATE OF NEW YORK

U.S. DEPARTMENT OF COMMERCE

U.S. DEPARTMENT OF THE INTERIOR

**PUBLIC RELEASE VERSION \***

**FINAL**

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**MAY 2007**

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Available from:

U.S. Department of Commerce

National Oceanic and Atmospheric Administration

Hudson River NRDA, Lead Administrative Trustee

Assessment and Restoration Division, N/ORR3

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Appendix A: Sampling and Analysis Plan for the Collection of Bullfrog (*Rana catesbeiana*) Tadpoles and Near-Shore Sediment Samples from the Hudson River, New York.

Appendix B: Data Quality Assessment Report. Hudson River Natural Resource Damage Assessment. Floodplain Study. Tadpole Tissue and Associated Sediment.

Appendix C: Bullfrog Tadpole Data Sheets

Appendix D: Sediment Data Sheets

## EXECUTIVE SUMMARY

Natural resources of the Hudson River have been contaminated through past and ongoing discharges of polychlorinated biphenyls (PCBs). The Hudson River Natural Resource Trustees— New York State, the U.S. Department of Commerce, and the U.S. Department of the Interior —are conducting a natural resource damage assessment (NRDA) to assess and restore those natural resources injured by PCBs.

In August-September 2003, the Trustees collected near-shore sediment samples and bullfrog (*Rana catesbeiana*) tadpoles from the Hudson River for contaminant analysis. This work was undertaken by the Trustees to assist in determining the extent to which bullfrog tadpoles and near-shore sediments in the Hudson River are currently contaminated with PCBs, and to determine if additional pathway and injury assessment studies focused on bullfrog or other amphibian species should be conducted as part of the Hudson River NRDA. Bullfrog tadpole composites and co-located sediment composites were collected from six study sites of known PCB contamination on the Hudson River between Bakers Falls and Schodack Island, and two reference sites.

The tadpole and sediment samples were analyzed for select PCB congeners, PCB homologue groups, total PCBs, percent lipids (tadpoles only), and percent organic carbon (sediments only). The total PCB concentrations (as sum of homologues) of tadpoles and sediments from the study sites ranged from 354 parts per billion (ppb) to 9,280 ppb and 2,640 ppb to 57,600 ppb, respectively. Tadpole and sediment PCB concentrations from reference sites were statistically different ( $p < 0.05$ ) than study sites and ranged from 15 ppb to 108 ppb and 508 ppb to 834 ppb, respectively. Tadpole and sediment PCB concentrations were well correlated among the sites ( $R^2 = 0.89$ ).

The PCB congener composition of sediments from the study sites are dominated by lower chlorinated biphenyls and differ markedly from congener distributions in the reference sediments where the heavier molecular weight congeners are more prevalent. A similar trend was evident in tadpoles, with lower chlorinated compounds comprising the majority of the tissue residue in tadpoles from the six study sites.

## 1.0 INTRODUCTION

Past and continuing discharges of polychlorinated biphenyls (PCBs) have contaminated natural resources of the Hudson River. The Hudson River Natural Resource Trustees — New York State, the U.S. Department of Commerce, and the U.S. Department of the Interior – are conducting a natural resource damage assessment (NRDA) to assess and restore those natural resources injured by PCBs (Hudson River Natural Resource Trustees 2002a). This Data Report provides the results of a preliminary investigation of PCB contamination of a select Hudson River amphibian species conducted pursuant to the NRDA.

The Hudson River and its habitat support many species of amphibians. These animals spend a large part of their lives in contact with potentially contaminated substances – water, sediment and soil – and consume potentially contaminated prey. Bullfrogs (*Rana catesbeiana*) are an important part of the Hudson River food web. Bullfrogs are carnivorous and eat a variety of foods including insects, snakes, other frogs, birds and mammals. Frogs are an important link between trophic levels because they are important food sources for many other organisms such as herons, raccoons, snakes and other large predatory organisms. Frogs, however, play a unique role in connecting aquatic and terrestrial food webs. Bullfrogs start life as aquatic tadpoles, feeding on potentially contaminated plant and animal material in water. They subsequently metamorphose into air-breathing adults with an expanded habitat range and a more varied diet. During both life stages, bullfrogs provide a mechanism for transfer of PCBs to organisms within the aquatic ecosystem and terrestrial food web.

In August-September 2003, the Trustees collected near-shore sediment samples and bullfrog tadpoles from the Hudson River for contaminant analysis. This work was undertaken by the Trustees to assist in determining the extent to which bullfrog tadpoles and near-shore sediments in the Hudson River are currently contaminated with PCBs, and to determine if additional pathway and injury assessment studies focused on bullfrog or other amphibian species should be conducted as part of the Hudson River NRDA. This work may potentially be used to design future studies to assess the health of these animals in the Hudson River.

## 2.0 SAMPLING

### 2.1 SAMPLE COLLECTION AND PROCESSING

Collection and processing of tadpole and sediment samples were conducted in accordance with the Trustees' Sampling and Analysis Plan for the Collection of Bullfrog (*Rana catesbeiana*) Tadpoles and Near-Shore Sediment Samples from the Hudson River, New York (Appendix A) (Hudson River Natural Resource Trustees 2003a).

#### 2.1.1 SAMPLING SITES

This preliminary investigation focused on four regions of the Hudson River between Hudson Falls, New York and Schodack Island, New York. Sediments and tadpoles were collected from these four geographic regions to provide samples from various portions of the river known to be contaminated by PCBs at various levels. These four regions are described below, and depicted on Figure 1. Figure 2a identifies the nine sampling sites and Figure 2b is a close up of the five sampling sites in Region 1.

**Region 1:** the area from Bakers Falls (at River Mile (RM) 196.9) downstream to the Fort Miller Dam (Lock 6) at RM 186.2. Sediments were collected from five sites in this region while tadpoles were collected from four of these five sites. One of the sites in Region 1 (Site 1) was a reference site located adjacent to the Hudson River (Figure 2)

**Region 2:** the area from the Fort Miller Dam (Lock 6) at RM 186.2 downstream to the Stillwater Dam (Lock 4) at RM 168.2. Sediments and tadpoles were collected from two sites in this region.

**Region 3:** the area below the Stillwater Dam (Lock 4) at RM 168.2 downstream to the Federal Dam at Troy (RM 153.9), excluding Troy and its urban vicinity (approximately from Peebles Island State Park downstream to the Federal Dam). Sediments and tadpoles were collected from one site in this region.

**Region 4:** the area below the Federal Dam at Troy (RM 153.9) extending south to Lower Schodack Island (RM 132), excluding Albany and its urban vicinity. Sediments and tadpoles were collected from one reference site away from the Hudson River.

Sample sites were identified using aerial photos and other maps, site-specific knowledge regarding the Hudson River, and existing contaminant data from the Hudson River. Areas with bullfrog tadpole habitat – identified as areas containing several acres of emergent marsh and aquatic vegetation located adjacent to open water — were identified, and then assessed for ease of access. Region 1 provided the most suitable habitat for bullfrog tadpoles, hence more sampling sites were located in this Region than in Regions 2 or 3. The Trustees looked extensively for bullfrog tadpoles within the Hudson River in Region 4 but did not locate any suitable sites.

Tadpole and sediment samples were also collected from two reference areas, one adjacent to the Hudson River and the other away from the Hudson River (Sites 1 and 9, respectively). Site 1, located in sampling Region 1, is a small marsh adjacent to the Hudson River and separated from the Hudson River by West River Road. The marsh is no more than ten meters from the Hudson River. Site 9 is located west of the Region 4 boundary, at Five Rivers Environmental Education Center in Delmar, New York.

Sampling Sites used in this preliminary investigation are as follows:

Site No.	Description
1	Reference Site – backwater off West River Road, west site of road, just north of Thompson Island Dam
2	Southern tip of Griffin Island
3	Backwater bay just south of Lock 6 at Fort Miller
4	East side of island; ¼ mile south of Lock 6 at Fort Miller
5	Wetland pond west/northwest of Lock 4 at Stillwater
6	½ mile north of Lock 4 at Stillwater
7	½ mile south of Thompson Island
8	Northeast of Quack Island, north of Lock 2
9	Reference Site – Goose Point at Five Rivers Environmental Education Center

### 2.1.2 HABITAT EVALUATION

For each site from which tadpoles or sediments were to be collected, a habitat evaluation was performed. The focus of this was to evaluate areas along the Hudson River for their suitability for amphibians and identify areas where sufficient numbers of amphibians live and/or breed for the purpose of identifying the location of potential future sites for amphibian injury studies. The habitat evaluation was accomplished in accordance with the Trustees' Standard Operating Procedure (SOP) for Habitat Evaluation (Appendix 1 to Appendix A).

### 2.1.3 TADPOLE COLLECTION, PROCESSING AND COMPOSITING

Collection of bullfrog tadpoles was attempted at each sample site where a habitat evaluation was conducted and tadpoles were found. Bullfrog tadpole collection was conducted as specified in the Trustees' Standard Operating Procedure for Tadpole Collection and Processing (Appendix 2 to Appendix A).

A total of 155 bullfrog tadpoles were collected from eight of the nine sites included in this preliminary investigation (no tadpoles were collected from Site 2). Tadpole samples were collected between August 20, 2003 and September 4, 2003.

Tadpole samples were subsequently processed and composited for chemical analysis as specified in that SOP and in the Trustees' Sampling and Analysis Plan for this preliminary investigation.

### 2.1.4 SEDIMENT COLLECTION AND COMPOSITING

Sediment collection and compositing was conducted as specified in the Trustees' Standard Operating Procedure for Sediment Collection (Appendix 3 to Appendix A).

One composite sediment sample was collected from each of the nine study sites. Sediment samples were collected between August 19, 2003 and September 4, 2003.

## 2.2 SAMPLE ANALYSIS

Chemical analyses were conducted pursuant to the Trustees' Analytical Quality Assurance Plan (Hudson River Natural Resource Trustees 2002b).

A total of 42 tadpole composites and nine sediment composites were submitted for analysis. The tadpole composites were analyzed in three laboratory analytical batches (0312035, 0312036, and 0312044), and the sediment composites were in a separate batch (0312034). One equipment rinsate blank was collected during the tadpole tissue homogenization process at the laboratory, and reported in analytical batch 0312088.

Tadpole samples were analyzed for 47 select PCB congeners (see Table 3), PCB homologues, total PCBs (as sum of homologues) and percent lipid. Sediment samples were analyzed for 47 select PCB congeners (see Table 3), PCB homologues, total PCBs (as sum of homologues), organic carbon content (%) and water content (%). The samples were prepared, extracted, and analyzed using laboratory SOPs approved by the Trustees prior to sample receipt.

Sample analysis began on December 12, 2003, and concluded on January 29, 2004.

### 2.3 QUALITY ASSURANCE/QUALITY CONTROL

Data validation was based on the quality assurance/quality control (QA/QC) criteria documented in the Trustees' Analytical Quality Assurance Plan (Hudson River Natural Resource Trustees 2002b), U.S. Environmental Protection Agency (USEPA) (1999), and the following laboratory SOPs:

- SOP # HR NRDA Project Tissue Prep: Tissue Preparation and Homogenization, Revision #1.0, 9/25/02
- SOP # OP-004: Extraction of Soil, Tissue, Vegetation, and Sediment by Pressurized Fluid Extraction, Revision #2.0, 8/15/02
- SOP # O-010: Determination of PCB Homologues and Individual Congeners by GC/MS - SIM, Revision # 2.2, 10/24/02
- SOP # HR NRDA % Lipids: Percent Lipids Determination, Revision # 0.0, 9/9/02
- SOP # W-001: Percent Solids Determination, Revision # 2.1, 9/25/02
- SOP # W-028: Total Organic Carbon in Soil, Sediment and Water, Revision # 2.0, 1/22/03
- SOP # W-029: Particle Size Analysis of Soils - with and without Hydrometer, and Liquid Limit, Plastic Limit and Plasticity Index, Draft, 1/16/04
- Additional cleanup, sample handling, storage, custody SOPs as necessary.

A SRM was extracted and analyzed with each analytical batch. The SRM selected for the tadpole tissue composites was 1974b - Organics in Mussel Tissue. This SRM has certified values for 27 PCB congeners. One SRM analysis was submitted with each laboratory batch, so a total of three SRM analyses (with 27 certified values each, for a total of 81 data points) were performed. The SRM selected for the sediment analyses was 1944 - New York/New Jersey Waterway Sediment. This SRM has certified values for 28 of the target PCB congeners. One SRM analysis was submitted, for a total of 28 data points.

Sample results and related QC data were received in both an electronic and hard copy format. Electronic data were verified against the hard copy data package. One tadpole composite package and the sediment data package received full validation; the other packages received summary validation.

The following QC elements were reviewed for data packages undergoing summary validation:

- Analytical holding times
- Chain of custody and sample handling
- GC/MS tune verification (from summary forms)
- Method blank contamination (from summary forms)
- Initial and continuing calibration (from summary forms)
- Rinsate blank contamination (from sample result summaries)
- Analytical accuracy: surrogates, matrix spike samples, laboratory control samples, and standard reference material results (from summary forms)
- Analytical precision: laboratory duplicate samples (from summary forms)
- Internal standard areas (from summary forms)
- Reported detection limits (from sample result summaries)



Full validation included review of all the items listed above for summary validation, plus the following QC elements:

- Compound identification (from raw data)
- Compound quantitation, transcription and calculation checks performed at a frequency of 10% from raw data. If an error was noted, 100% of the calculations and transcriptions for that data set were verified.

The data package submitted by the laboratory was reviewed to determine whether the analytical data quality objectives (ADQO) specified in Tables 6.1a - 6.1c in the Analytical Quality Assurance Plan (Hudson River Natural Resource Trustees 2002b) were met.

Table 1.1 of the Trustees' Analytical Quality Assurance Plan (Hudson River Natural Resource Trustees, 2002b) specifies the target Method Detection Limits (MDLs) for PCB congeners, homologues and total PCBs. For tissue, such as bullfrog tissue composites, the target MDLs are 0.1 ng/g wet weight (equivalent to 0.1 ppb wet weight) for individual congeners, and 10 ng/g (equivalent to 10 ppb) for PCB homologues and total PCBs. Actual MDLs for each PCB analyte were established by the analytical laboratory as specified in the Analytical Quality Assurance Plan. Actual MDLs are reported on the Data Sheets (Appendices C and D) in the "Detection Limit" column.

Appendix B contains the Data Quality Assessment Report (Hudson River Natural Resource Trustees 2004a) for the samples. Tables 1A, 1B, and 1C of Appendix B summarize the SRM results for this preliminary investigation.

Out of 3027 results reported by the laboratory (51 samples each with 47 congeners, 10 homologue groups, and total PCBs; percent lipids for the tadpole composites; percent moisture, grain size, and total organic carbon for the sediments), a total of 86 (2.8%) data points were estimated (J). No data were rejected. The completeness level attained for the analysis of the field samples is 100%.

### 3.0 RESULTS

The Tadpole Data Sheets (Appendix C) and Sediment Data Sheets (Appendix D) provide the results of the analyses.

These Data Sheets contain information that has been extracted from the Trustees' Tadpole and Sediment Database (Hudson River Natural Resource Trustees 2003b). That complete database and the accompanying Database User Manual (Hudson River Natural Resource Trustees 2004b) are not included in this report due to the size of the database, but will be made available upon request.

The Tadpole Data Sheets and Sediment Data Sheets contain the following fields:

Sampling Date – Sampling Date (mm/dd/yy format).

Field ID –

For the Tadpole Data Sheets, the field IDs were created using the following format:

BTC-001-001

where “BTC” refers to bullfrog tadpole composite. The first set of three digits refers to the unique site number from which the tadpole was collected, and the second set of three digits refers to the unique composite number. For example, BTC-001-001 indicates a bullfrog tadpole composite sample from Site 1 and that it is the first composite sample from that site.

For the Sediment Data Sheets, the field IDs were created using the following format:

SED-001

where “SED” refers to sediment. The set of three digits refers to the unique site number from which the sediments were collected. For example, SED-001 indicates a sediment sample (composite) from Site 1.

Easting – NAD83 Universal Transverse Mercator easting coordinates (meters) Zone 18N.

Northing – NAD83 Universal Transverse Mercator northing coordinates (meters) Zone 18N.

Site Number – as noted on Figure 2.

Laboratory ID – Laboratory IDs were created using the following format:  
Sample delivery group – run sequence number (e.g., 0208031-01).

Analyte – For the PCB congeners, the analyte names are reported using the following format:

Clx-BZ#NNN

where Clx refers to the chlorination level, BZ# refers to the Ballschmitter and Zell (1994) number, and NNN is the congener number. For example, PCB 110 (a pentachlorinated biphenyl) is reported as Cl5-BZ#110.

Value, Interpretive Qualifier and Units –

Value – Analytical result (3 significant figures).

Interpretive Qualifier - This field contains qualifiers applied to each data point by the laboratory and after the data validation process. The qualifiers are defined as follows:

U Analyte was not detected. The associated value represents the detection limit.

J Estimated: The associated numerical value is an estimated quantity. The analyte was detected, but the reported value may not be accurate or precise. The “J” qualification indicates the data fell outside the QC limits, but the exceedance was not sufficient to cause rejection of the data.

UJ Estimated/Not detected: An analysis was performed for the compound or analyte, but it was not detected and the sample quantitation or detection limit may be inaccurate or imprecise. The associated numerical result is the detection limit.

J Estimated: The associated numerical value is an estimated quantity. The analyte was detected, but the reported value may not be accurate or precise. The “J” qualification indicates the data fell outside the QC limits, but the exceedance was not sufficient to cause rejection of the data.

UJ Estimated/Not detected: An analysis was performed for the compound or analyte, but it was not detected and the sample quantitation or detection limit may be inaccurate or imprecise. The associated numerical result is the detection limit.

NJ Tentatively Identified/Estimated: The analyte was tentatively identified and the associated numerical value is an estimated quantity.

Reasons for qualification are explained further in the Data Quality Assessment Report (Appendix B).

Units - The unit of measurement of the analytical result is provided (for example, µg/kg).

Detection Limit – self-explanatory; this column includes units.

A brief description of some of the features of these data follows in sections 3.1 and 3.2 of this Data Report. Please note that the unit “µg/kg” used in the Data Sheets is equivalent to parts per billion (ppb) used in the discussion of these data in this Data Report.

Data fields, and data collected by the Trustees, that are not reported in this Data Report but that are contained within the Trustees’ Tadpole and Sediment Database consist of the following: Analytical Batch, Laboratory Flag, Data Validation Qualifier, Data Validation Qualifier Reason Code, Analysis Group, Analytical Method, Matrix, Extraction Date, Analysis Date, Dilution Factor, Sample Size and Units, Sampling Interval for sediment samples, Sample Description for sediment samples, Biota Type, and Number of Tadpoles in a composite sample.

For the purpose of reporting PCB results below and in the figures attached to this report, all values flagged with either a U or UJ qualifier (that is, not detected; see Appendix B) were considered to be zero. Using zero, rather than the value reported by the laboratory for the analyte, which represents the detection limit for the analysis, potentially underreports the true value, but avoids overreporting the true value. This is thus a conservative result; the actual PCB concentration could be higher.

### 3.1 TOTAL PCB CONCENTRATIONS

Total PCB concentrations in tadpole samples from the Hudson River sites range from 354 ppb to 9,280 ppb (wet weight basis) (Table 1; Figure 4). Total PCB concentrations in sediment samples from the Hudson River sites range from 2,640 ppb to 57,600 ppb (wet weight basis) (Table 2; Figure 3).

**Table 1. Summary of Total PCBs (as sum of homologues, wet weight basis) in Tadpole Composite Samples**

Sampling Site	Number of composited samples	PCB Conc. Range (ppb)	Conc. Average $\pm$ 1 Std. Dev. (ppb)
Site 1 (Reference Site)	7	48 - 108	80 $\pm$ 22
Site 2	None collected	--	--
Site 3	4	501 - 4,000	1,710 $\pm$ 1,600
Site 4	5	2,500 - 9,280	4,810 $\pm$ 2,620
Site 5	5	354 - 1,070	607 $\pm$ 289
Site 6	6	559 - 1,730	1,017 $\pm$ 404
Site 7	4	2,190 - 7,680	3,940 $\pm$ 2,540
Site 8	6	823 - 1,570	1,060 $\pm$ 319
Site 9 (Reference Site)	5	15 - 97	40 $\pm$ 33

**Table 2. Summary of Total PCBs (as sum of homologues, dry weight basis) in Sediment Composite Samples**

Sampling Site	PCB Concentration (ppb)
Site 1 (Reference Site)	834
Site 2	7,880
Site 3	6,880
Site 4	48,900
Site 5	5,820
Site 6	2,640
Site 7	57,600
Site 8	4,550
Site 9 (Reference Site)	508

PCB concentrations in tadpoles display a generally decreasing, downstream concentration gradient with PCB concentrations decreasing downstream from Site 7 near Schuylerville to Site 8 near Mechanicville (Figure 4). Tadpoles from the reference sites (Sites 1 and 9) possess PCB body burdens, on average, an order of magnitude or more lower than tadpoles collected from the study sites (Figure 4). While there is no obvious relationship between tadpole PCB concentrations and lipid content or sediment PCB concentrations and organic carbon content (Figure 5), tadpole PCB body burdens were well correlated with their respective sediment concentrations (Figure 6).

### 3.2 PCB HOMOLOGUES AND CONGENERS

PCBs are synthetic (man-made) chemicals that form a group of 209 individual compounds that have similar chemical structures based on a biphenyl core with 1 to 10 chlorine atoms attached. PCBs have the generic formula  $C_{12}H_{(10-x)}Cl_x$ , where  $x$  is an integer from 1 to 10. Each individual PCB compound, called a congener, is identified by the unique number and location of chlorine atoms that attach to the compound's base structure. Congeners differ both in their physical properties and in their effects on fish and wildlife (Safe 1994; Van den Berg et al. 1998).

For this investigation, the tadpoles and sediments were analyzed for 47 specific target PCB congeners listed in Table 3. In addition, a total concentration for each homologue group was determined by summing all target and non-target congener concentrations within each homologue group. For any congener reported as non-detected, zero was used in the summation.

Table 3. PCB Congener Analytes

Current Ballschmider and Zell (1994) and IUPAC Number	IUPAC Name
8	2,4'-Dichlorobiphenyl
18	2,2',5'-Trichlorobiphenyl
28/31	2,4,4'-Trichlorobiphenyl/2,4',5'-Trichlorobiphenyl
44	2,2',3,5'-Tetrachlorobiphenyl
45	2,2',3,6'-Tetrachlorobiphenyl
47	2,2',4,4'-Tetrachlorobiphenyl
49	2,2',4,5'-Tetrachlorobiphenyl
52	2,2',5,5'-Tetrachlorobiphenyl
56	2,3,3',4'-Tetrachlorobiphenyl
66	2,3',4,4'-Tetrachlorobiphenyl
70	2,3',4',5'-Tetrachlorobiphenyl
74	2,4,4',5'-Tetrachlorobiphenyl
77	3,3',4,4'-Tetrachlorobiphenyl
81	3,4,4',5'-Tetrachlorobiphenyl
87	2,2',3,4,5'-Pentachlorobiphenyl
95	2,2',3,5',6'-Pentachlorobiphenyl
99	2,2',4,4',5'-Pentachlorobiphenyl
101	2,2',4,5,5'-Pentachlorobiphenyl
105	2,3,3',4,4'-Pentachlorobiphenyl
110	2,3,3',4',6'-Pentachlorobiphenyl
114	2,3,4,4',5'-Pentachlorobiphenyl
118	2,3',4,4',5'-Pentachlorobiphenyl
123	2,3',4,4',5'-Pentachlorobiphenyl
126	3,3',4,4',5'-Pentachlorobiphenyl
128	2,2',3,3',4,4'-Hexachlorobiphenyl
138	2,2',3,4,4',5'-Hexachlorobiphenyl
146	2,2',3,4',5,5'-Hexachlorobiphenyl
149	2,2',3,4',5',6'-Hexachlorobiphenyl
151	2,2',3,5,5',6'-Hexachlorobiphenyl
153	2,2',4,4',5,5'-Hexachlorobiphenyl
156	2,3,3',4,4',5'-Hexachlorobiphenyl
157	2,3,3',4,4',5'-Hexachlorobiphenyl
158	2,3,3',4,4',6'-Hexachlorobiphenyl
167	2,3',4,4',5,5'-Hexachlorobiphenyl
169	3,3',4,4',5,5'-Hexachlorobiphenyl
170	2,2',3,3',4,4',5'-Heptachlorobiphenyl
174	2,2',3,3',4,5,6'-Heptachlorobiphenyl
177	2,2',3,3',4,5',6'-Heptachlorobiphenyl
180	2,2',3,4,4',5,5'-Heptachlorobiphenyl
183	2,2',3,4,4',5',6'-Heptachlorobiphenyl
187	2,2',3,4',5,5',6'-Heptachlorobiphenyl
189	2,3,3',4,4',5,5'-Heptachlorobiphenyl
194	2,2',3,3',4,4',5,5'-Octachlorobiphenyl
195	2,2',3,3',4,4',5,6'-Octachlorobiphenyl
201	2,2',3,3',4,5',6,6'-Octachlorobiphenyl
206	2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl
209	Decachlorobiphenyl

Figures 7 and 8 graphically display the sediment PCB homologue distributions at study and reference sites, respectively.

The PCB congener composition of sediments from the study sites (Figure 7) are dominated by lower chlorinated biphenyls and differ markedly from congener distributions in the reference sediments (Figure 8) where the heavier molecular weight congeners are more prevalent. A similar trend was evident in tadpoles, with lower chlorinated compounds comprising the majority of the tissue residue in tadpoles from the six study sites (Figure 9).

## 4.0 REFERENCES

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# FIGURES

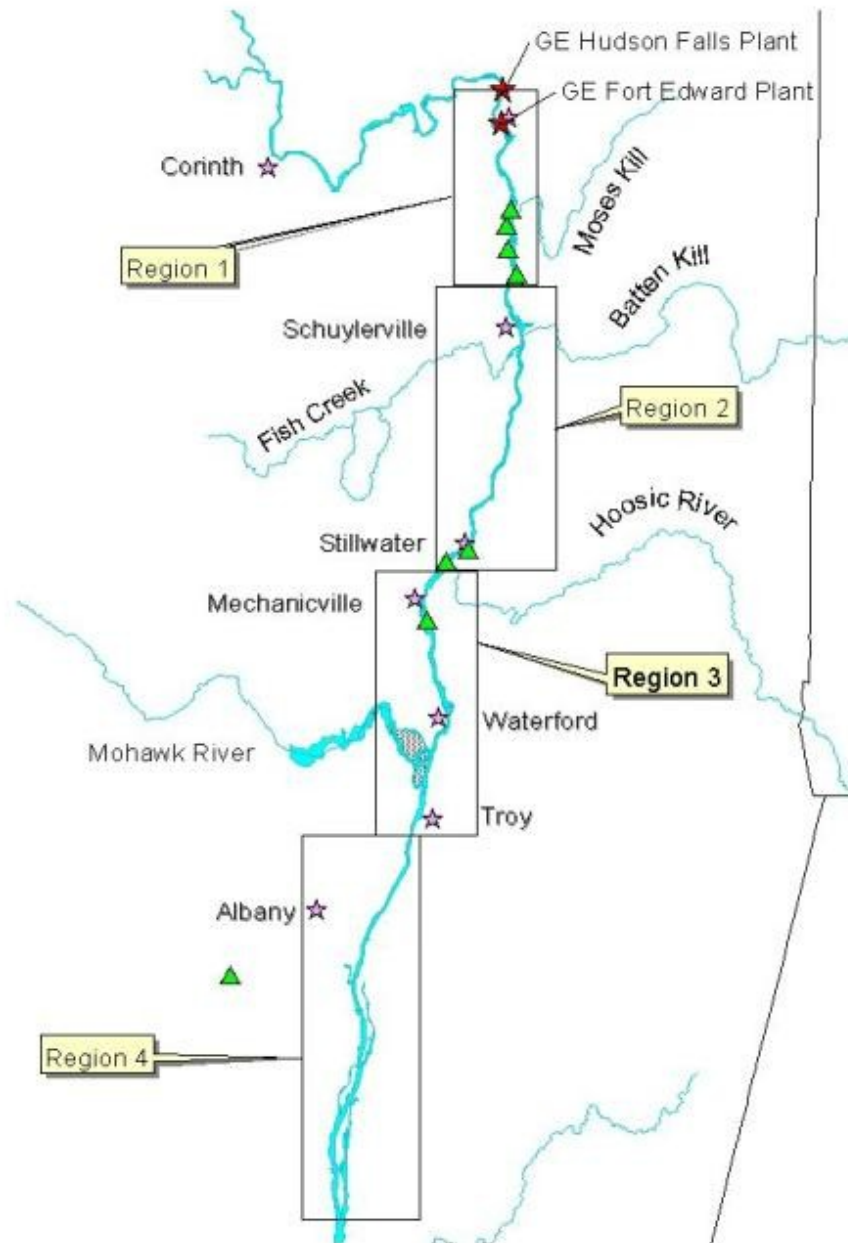


Figure 1. Sediment and Bullfrog Tadpole Survey Sampling Regions

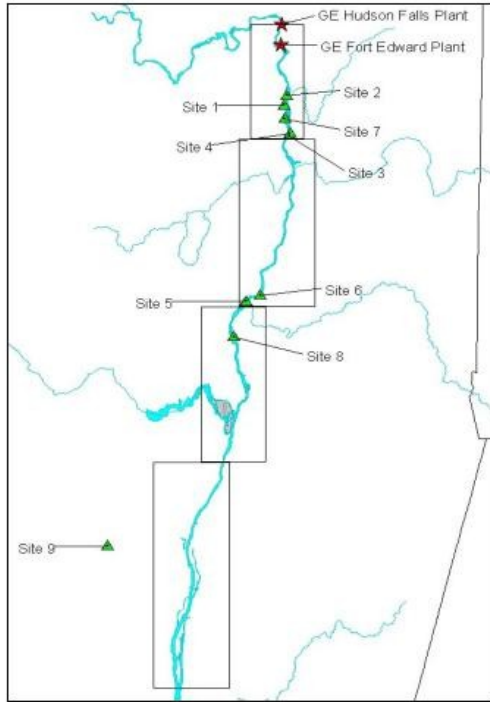


Figure 2a. Sediment and Tadpole Sampling Sites

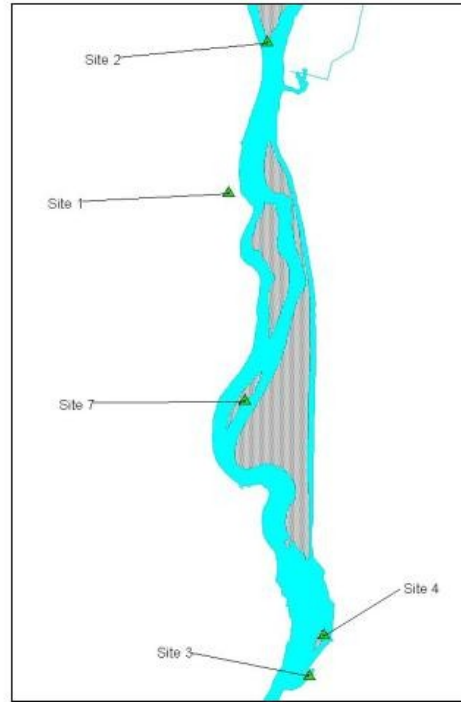


Figure 2b. Region 1 Sampling Sites

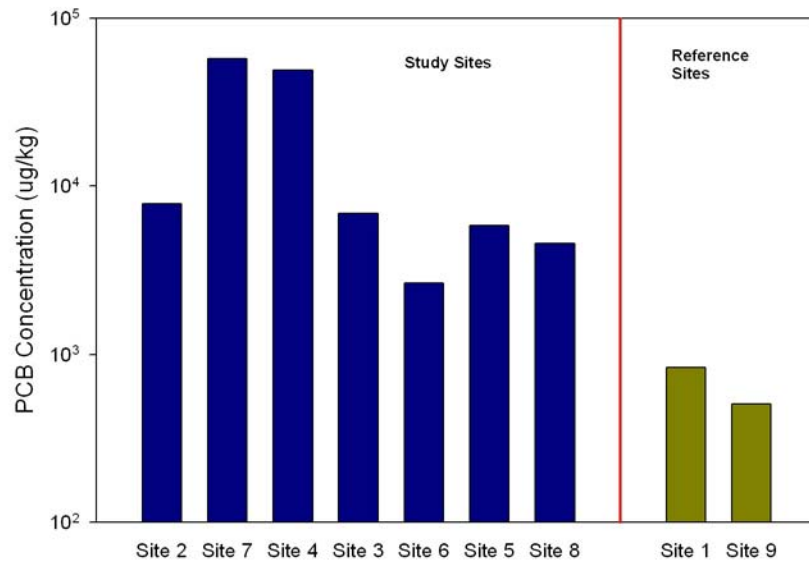


Figure 3. Sediment total PCB concentrations by site

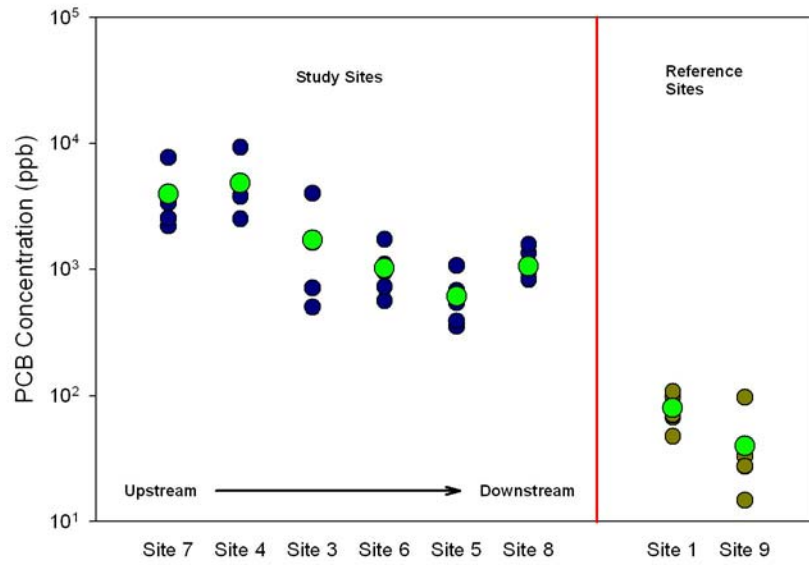


Figure 4. Bullfrog tadpole total PCB concentrations by sampling site (small dots represent composited samples, large green dot represents site average concentration)

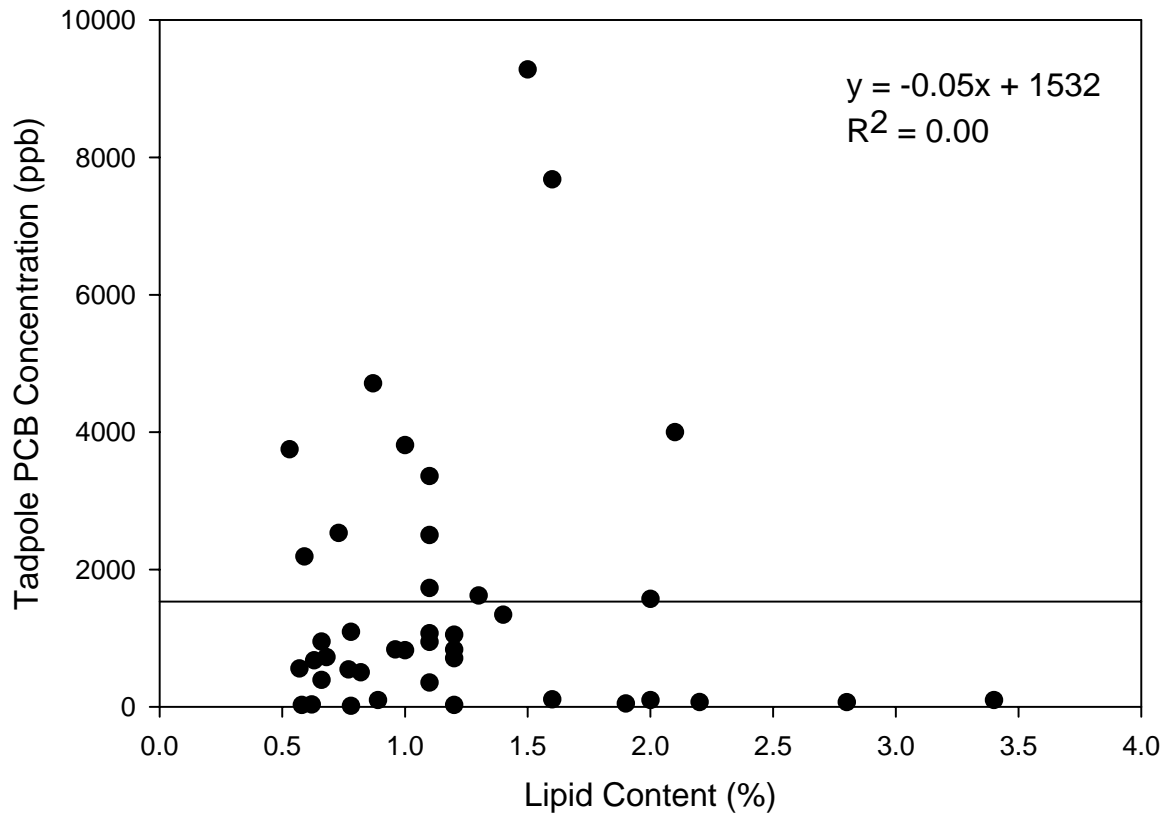
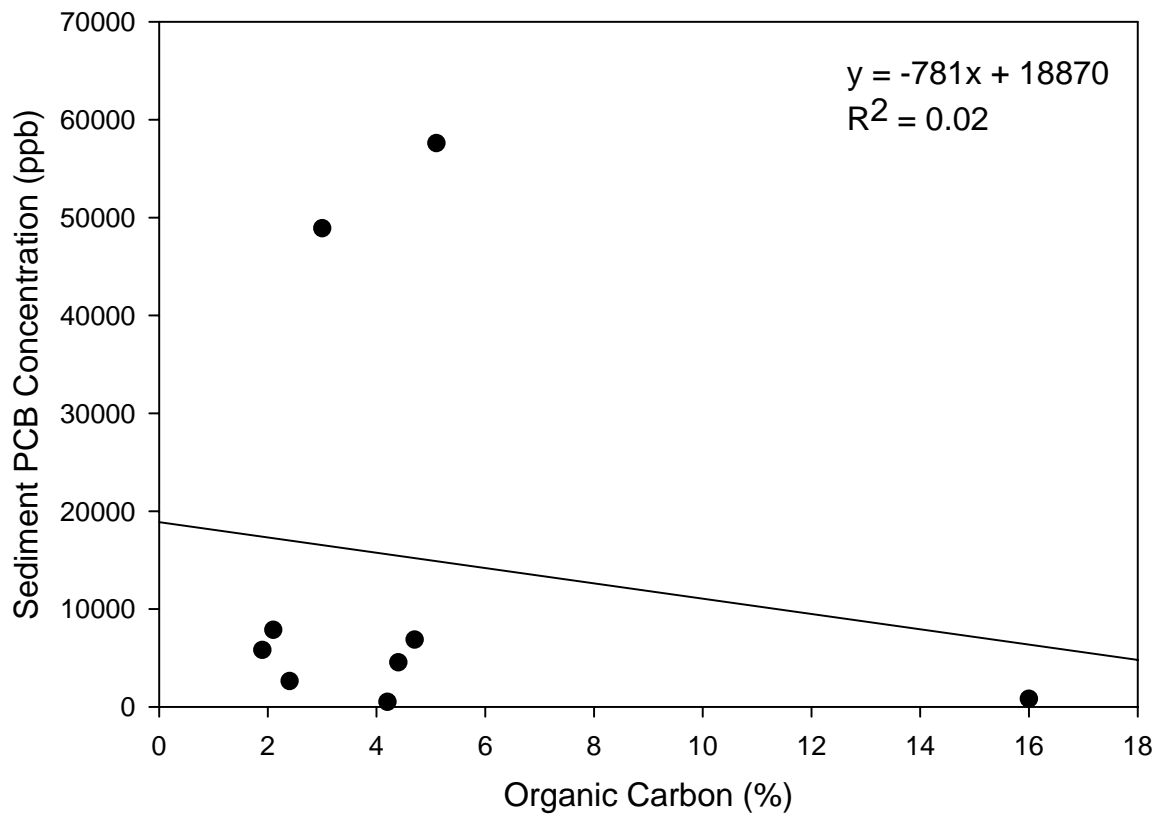


Figure 5. Sediment organic carbon vs PCB concentration and tadpole lipid content vs PCB concentration

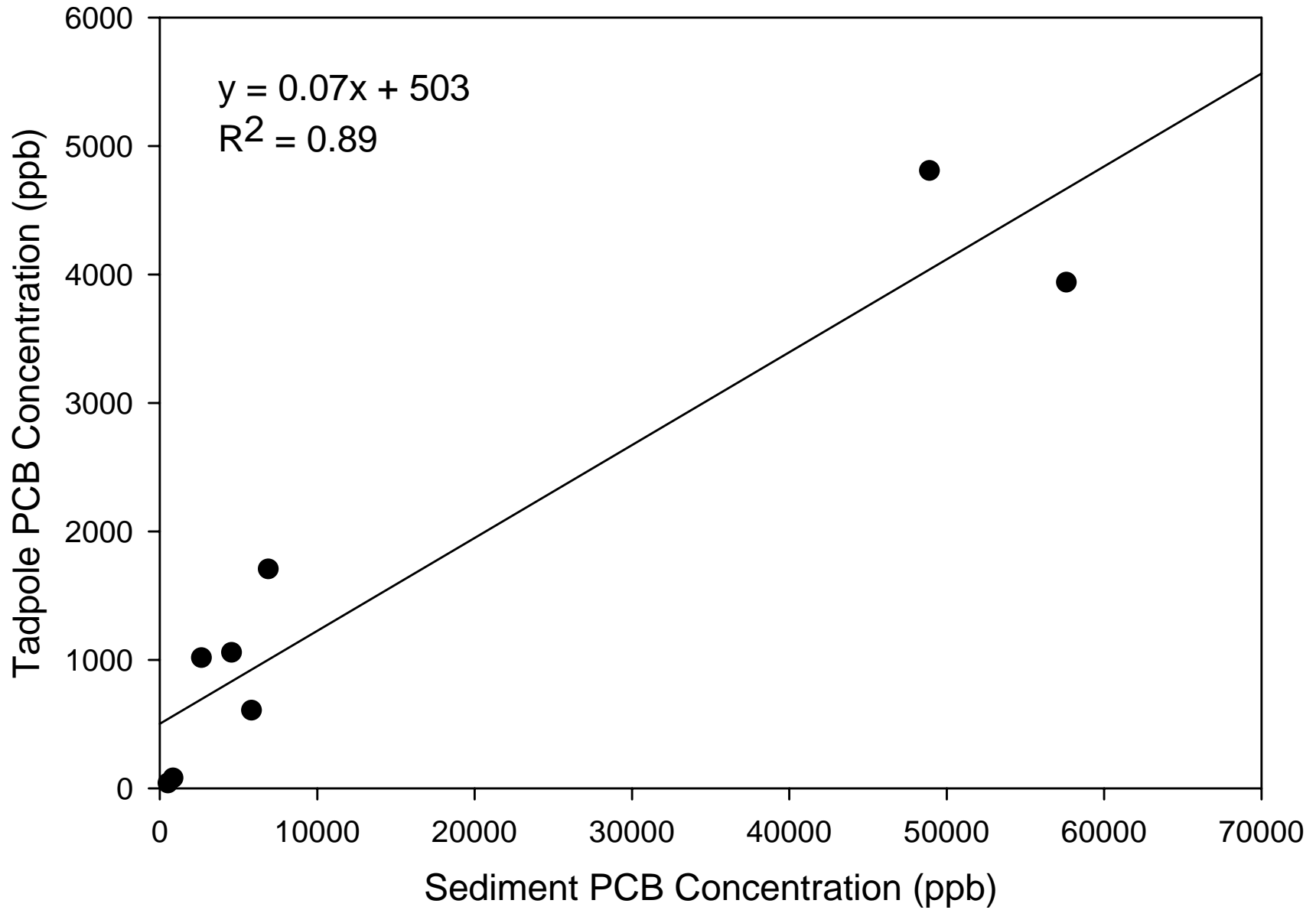


Figure 6. Sediment PCB concentrations vs average co-located tadpole PCB concentrations

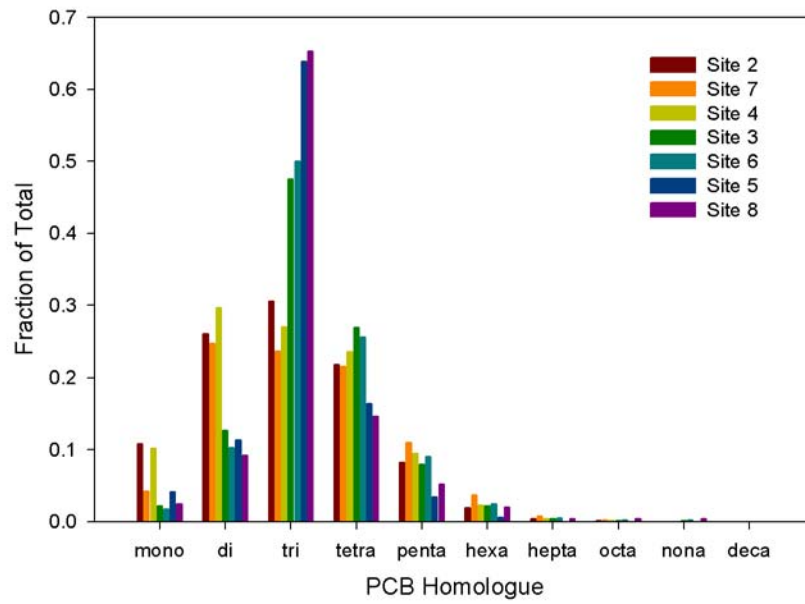
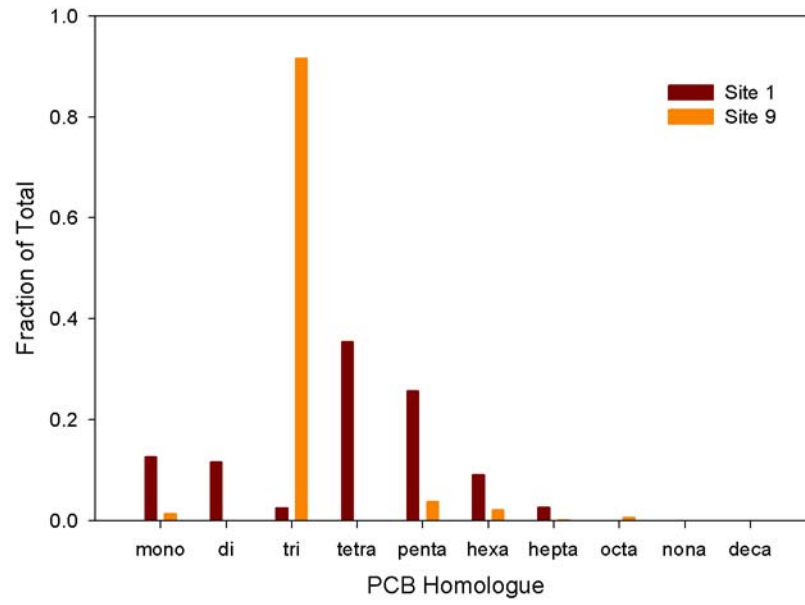
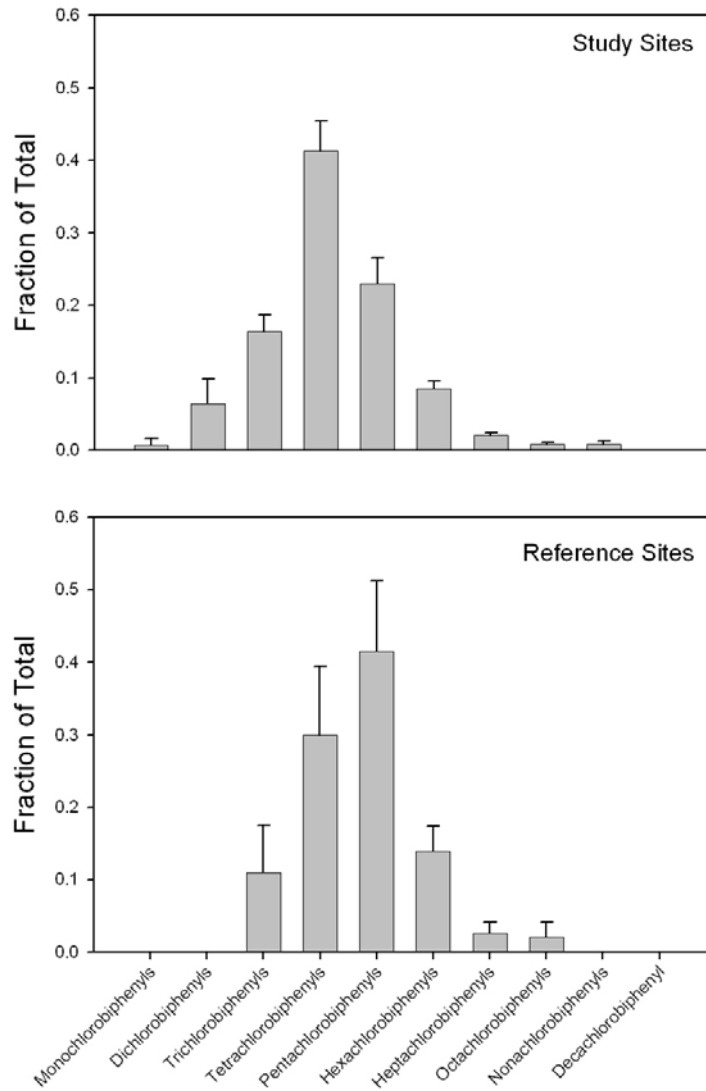


Figure 7. Study site sediment PCB homologue distributions





**Figure 8. Reference site sediment PCB homologue distributions**



**Figure 9. Average study and reference site tadpole homologue distributions (normalized to total).**

# APPENDIX A

## SAMPLING AND ANALYSIS PLAN FOR THE COLLECTION OF BULLFRONG (*RANA CATESBEIANA*) TADPOLES AND NEAR-SHORE SEDIMENT SAMPLES FROM THE HUDSON RIVER, NEW YORK.

Preliminary Investigation  
Sampling and Analysis Plan  
for the  
Collection of Bullfrog (*Rana catesbeiana*) Tadpoles  
and Near-Shore Sediment Samples  
from the Hudson River, New York

FINAL

August 11, 2003

Hudson River Natural Resource Damage Assessment

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Investigation Lead

---

Quality Assurance Coordinator

**INVESTIGATION TEAM ACKNOWLEDGEMENT OF SAMPLING AND ANALYSIS  
PLAN REVIEW AND COMPLIANCE**

By my signature, I acknowledge that I have read this Sampling and Analysis Plan and understand it, and will comply with it in performing this work.

Name (printed): \_\_\_\_\_ Name (printed): \_\_\_\_\_

Signature: \_\_\_\_\_ Signature: \_\_\_\_\_

Date: \_\_\_\_\_ Date: \_\_\_\_\_

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## 1.0 INTRODUCTION

The General Electric Company discharged from its capacitor manufacturing operations at its Hudson Falls and Ford Edward, New York facilities as much as 1.33 million pounds of polychlorinated biphenyls (PCBs) into the Hudson River from the 1940s through 1977 (USEPA 2002). These PCBs have been detected in the sediment, water, and biota of the Hudson River at levels of potential ecological concern (TAMS Consultants, Inc. and Menzie-Cura & Associates, Inc. 2000). Elevated PCB levels in Hudson River floodplain soils have also been documented (SEA Consultants, Inc. 2002).

As a result of the contamination of the Hudson River ecosystem with PCBs, the Hudson River Natural Resource Trustees (Trustees) are conducting a natural resource damage assessment (NRDA) of the Hudson River. The Trustees are the State of New York, acting through the New York State Department of Environmental Conservation (NYSDEC), the U.S. Department of the Interior (DOI), acting through the Fish and Wildlife Service and the National Park Service, and the U.S. Department of Commerce acting through the National Oceanic and Atmospheric Administration (NOAA).

This Sampling and Analysis Plan (SAP) is for collection and contaminants analysis of tadpoles of the bullfrog (*Rana catesbeiana*) and near-shore sediment samples from the Hudson River, and characterization of amphibian habitats along the Hudson River. This work will be undertaken by the Trustees to assist the Trustees in determining the extent to which bullfrog tadpoles and near-shore sediments in the Hudson River are currently contaminated with PCBs, and to determine if additional pathway and injury assessment studies focused on bullfrog tadpoles or other amphibian species should be conducted as part of the Hudson River NRDA

This preliminary investigation will provide information that is key to the design of potential future amphibian injury studies. It will facilitate the selection of appropriate study sites for such an injury study, if appropriate. It will provide us knowledge of breeding areas for species of interest, and qualitative information regarding presence and abundance of such species, at different areas of the Hudson River. Information collected in this investigation will also have utility in pathway work, determination of ecological losses, and restoration planning.

Bullfrog tadpoles are connected to other Hudson River species through the food web. Tadpoles are food for migratory birds, including kingfishers. They are also consumed by other Hudson River species, such as fish and other amphibians, which are prey for other biota, including larger migratory birds. This work will assist the Trustees in determining the extent to which amphibians are a pathway of exposure and injury to other biological resources.

The bullfrog is a species which is common in the Hudson River. Tadpoles can be collected with relative ease, and are expected to be relatively abundant. It is a species which is expected to be exposed to PCBs from the Hudson River. Exposure of bullfrog tadpoles to PCBs could be high because it has a tadpole stage extending over two summers, and the feeding habits of tadpoles (*i.e.*, grazing on algae and detritus at the sediment-water interface) may contribute to high sediment exposure.

The objectives of this investigation are to:

- characterize amphibian habitat in the Hudson River between Bakers Falls and Lower Schodack Island;
- collect bullfrog tadpole samples and near-shore sediment samples from about 40 sites on the Hudson River (main stem and/or adjacent areas anticipated to be potentially impacted by Hudson River contamination) and from about 10 additional reference sites;
- and, process the tadpoles for subsequent chemical analyses. Sediment samples will also be analyzed.

The goal of this investigation is to collect paired tadpole and sediment samples from each of four geographic regions within the study area (the Upper Hudson River and the upper portion of the Lower Hudson River) to provide a balanced sample amongst various portions of the river, and from a fifth region that will be a reference area. The goal of this investigation is to collect about 10 paired tadpole and sediment samples from within each of these five areas, thus collection of a maximum of about 50 tadpole samples and 50 sediment samples is planned. However, it may not be possible to collect paired tadpole and sediment samples from all sites, nor to collect samples in this proposed geographic distribution.

The four areas of known contamination that are the subject of this preliminary investigation can be approximately described as follows:

Region 1: the area from Bakers Falls (at River Mile (RM) 196.9) downstream to the Fort Miller Dam (Lock 6) at RM 186.2 (Champlain Canal); this includes the Thompson Island Pool.

Region 2: the area from the Fort Miller Dam (Lock 6) at RM 186.2 downstream to the Stillwater Dam (Lock 4) at RM 168.2; this includes the Stillwater Pool.

Region 3: the area below the Stillwater Dam (Lock 4) at RM 168.2 downstream to the Federal Dam at Troy (RM 153.9), excluding Troy and its urban vicinity (approximately from Peebles Island State Park downstream to the Federal Dam).

Region 4: the area below the Federal Dam at Troy (RM 153.9) extending south to Lower Schodack Island (RM 132), excluding Albany and its urban vicinity.

Additionally, there will be a reference area (Region 5). The reference area will be located in the Hudson River upstream of Region 1 or in another appropriate location.



## **2.0 METHODS**

In this section of the SAP, the methods that will be used to identify potential sample sites, conduct the habitat evaluation, and collect tadpole and sediment samples to be submitted for chemical analysis are discussed.

### **Identification of Potential Sample Sites**

Prior to mobilizing for field survey, potential sample sites will be identified using aerial photos and other maps, site-specific knowledge of case team members and other knowledgeable individuals regarding the Hudson River, and existing contaminant data from the Hudson River. Areas with several acres of emergent marsh and aquatic vegetation located adjacent to open water will be identified. These areas will then be screened for ease of access. Sites with suitable habitat and easy access will be identified as potential sample sites. If more than the specified number of potential sample sites are pre-identified, then those sites will be prioritized for survey work based upon factors such as ease of access, likelihood of meeting project goals, and geographic relationship to other potential sample sites.

The focus of this effort will be on publicly owned land or on private property where landowner permission for access has already been obtained, or where the sample site can be accessed via boat. Where access over private property is needed, the landowner will be contacted by the Investigation Lead or his designee for permission to access the property. Such contacts will include a combination of methods, including phone calls, letters, and personal contact.

Figure 1 (page 4) notes potential sites for collection of tadpole and sediment samples identified to date. More sites may be added as the work progresses, particularly to address geographic areas not shown on Figure 1.

### **Habitat Evaluation**

For each potential sample site from which tadpoles or sediments may be collected, a habitat evaluation will be performed. The focus of this is to evaluate areas along the Hudson River for their suitability for amphibians and identify areas where sufficient numbers of amphibians live and/or breed for the purpose of identifying the location of potential future sites for amphibian injury studies. The habitat evaluation will be accomplished in accordance with the Standard Operating Procedure (SOP) for Habitat Evaluation (Appendix 1). This includes documentation of habitat characterizations on a Habitat Evaluation Data Sheet and documentation of opportunistic visual or auditory observations of amphibians. Habitat evaluation will be conducted on sites along the main stem of the Hudson River which are anticipated to provide habitat for amphibians (but at which bullfrog tadpoles may not necessarily be found), as well as more protected areas that may not be on the main stem of the Hudson where it is anticipated that bullfrog tadpoles may be found. Identification of species of interest will be accomplished with the use of appropriate field guides, other documents, and sound recordings, including Hunter et al. (1999).

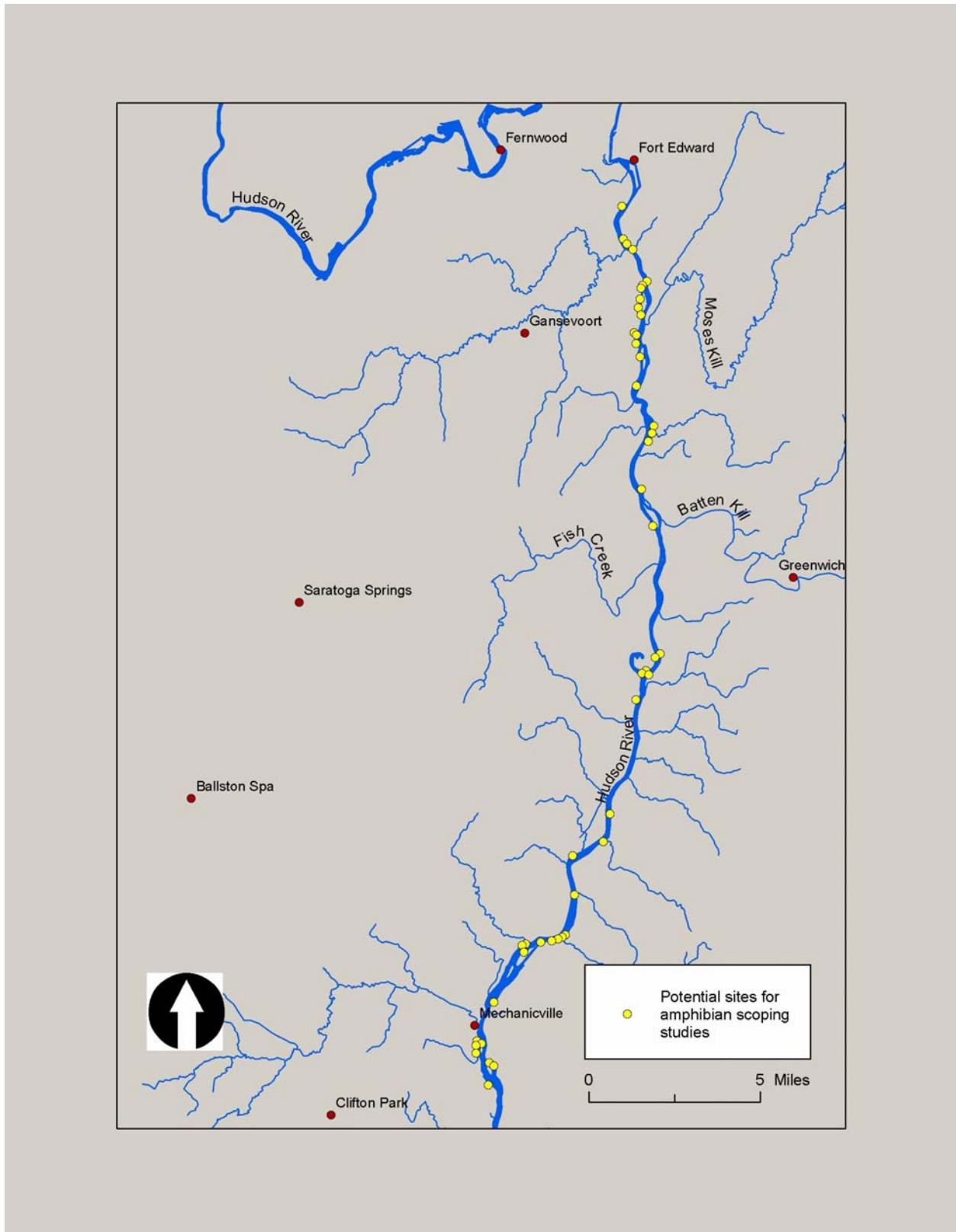


Figure 1. Potential sites for collection of tadpole and sediment samples identified to date.

### **Tadpole Collection**

Tadpoles of bullfrogs will be collected from each sample site where a habitat evaluation is conducted and such tadpoles are found. Together with the sediment data from these same sites, these data will provide information regarding exposure of these organisms to PCBs and the bioaccumulation of PCBs by tadpoles. Each tadpole sample will consist of multiple individual tadpoles from the same sample site which will be composited. Sufficient tadpole numbers and sample sizes will be collected to allow a portion of the tadpoles to be archived for future further analysis should such later be determined to be warranted.

Identification of bullfrog tadpoles will be accomplished with the use of appropriate field guides and other documents, including Altig et al. (1998) and Berrill (2002).

Tadpole collection and processing will be accomplished in accordance with the SOP for Tadpole Collection and Processing (Appendix 2). Photographs will be taken during tadpole collection when and where determined appropriate by the Field Crew Leader. During tadpole collection, scientists will wear nitrile gloves to reduce exposure to any parasites and diseases that may be present and minimize potential contamination. Gloves will be changed between handling tadpoles from different sites to avoid cross-contamination. Appropriate Chain of Custody (COC) (see Section 3.3.2 and Appendix 4) will be followed.

Prior to analysis, tadpoles will be dissected to remove their gut coils, according to the SOP for Tadpole Collection and Processing. The intent of this is to avoid over-reporting the PCB levels in tadpoles tissues that would result from analyzing them with their sediment-laden gut tracks intact, although this potentially under-reports the PCB levels these tadpoles would constitute as a food source to other biota, such as wading birds or carnivorous fish. The gut samples will be archived for potential future analysis, if such is warranted relative to pathway/food web studies; taking into account the PCBs in the gut coils, as well as in the tadpole tissues, would establish the level of PCBs to which tadpole-eating biota are exposed to from that food source.

### **Sediment Collection**

Sediments will be collected from each sample site where bullfrog tadpoles are collected. Sediment may also be collected from habitats identified during the habitat evaluation which would be anticipated to provide habitat for substantial numbers of amphibians but at which bullfrog tadpoles may not necessarily be found during this investigation.

The focus will be on collection of shallow near-shore sediment data from habitats that likely support amphibian populations (as demonstrated by either the presence of bullfrog tadpoles or adults or tadpoles or adults of other amphibian species) and potentially represent a pathway of exposure of such resources to PCBs. These data will allow the Trustees to identify sites with various degrees of PCB contamination, for potential use in designing future injury studies or other investigations, including potential development of a regression between sediment PCB levels and bullfrog tissue PCB levels.

Sediments will be collected from the top 3 centimeters of the river bottom, as these surficial sediments are those to which the organisms are most likely exposed. Each sediment sample will consist of twenty-five sediment sub-samples from within each sample site that will be composited in the field. Sufficient sediment will be collected to allow a portion of the samples to be archived for possible future further analysis should the need for such be identified at a later date.

Sediment collection will be accomplished in accordance with the SOP for Sediment Collection (Appendix 3). Photographs will be taken during sediment collection when and where determined appropriate by the Field Crew Leader. Appropriate Chain of Custody (COC) (see Section 3.3.2 and Appendix 4) will be followed.

### **3.0 QUALITY ASSURANCE/QUALITY CONTROL**

#### **Overview and Project Management**

This study is being conducted in accordance with the Quality Assurance Management Plan for the Trustees' Hudson River NRDA (Hudson River Natural Resource Trustees 2002a). As described in that document, four general elements of quality assurance/quality control (QA/QC) must be addressed for each data collection effort: project management, data generation and acquisition, assessment and oversight, and data validation and usability.

This section describes the Quality Assurance Plan (QAP) for the bullfrog tadpole and near-shore sediment preliminary investigation, based on these four general elements. The objectives of the study are outlined in Section 1.0. To achieve these objectives, the following types of data will be required:

- Tadpole collection: Accurate species identification is required to locate the targeted species in the study area. Tadpole collection and processing will require following set procedures to insure proper sample collection and processing.
- Tadpole and sediment contamination levels: The laboratory chosen for tissue and sediment analysis will follow the requirements of the current version of the Hudson River NRDA Analytical QA Plan (Hudson River Natural Resource Trustees 2002b).

The study is organized based on tasks and levels of responsibility to ensure good communication between all personnel. The NYSDEC Assessment Manager (Larry Gumaer) has overall project oversight and responsibility for design and implementation of the study. Responsibility for design and implementation of the study is vested with the Amphibian and Reptile Technical Working Group (TWG), subject to the approval of the Hudson River NRDA Case Management Team (CMT) to conduct and fund this project. Quality assurance (QA) will be coordinated with the Hudson River NRDA QA Coordinator. The Investigation Lead is responsible for sample collection and handling.

The Investigation Lead provides instructions to the Investigation Team on all aspects of the project, including quality assurance management. For safety reasons, the Investigation Team will consist of a minimum of two persons -- a Field Crew Leader and a Field Data Recorder. The Investigation Lead is responsible for resolving any issues raised by the Investigation Team, in coordination with the TWG, QA Coordinator and CMT, as warranted. The Investigation Lead will work with the CMT, TWG, and QA Coordinator to ensure that the study is consistent with the overall QA objectives of the NRDA.

The SAP for this study was developed to provide detailed and explicit instructions for the Investigation Team to follow in collecting the study data. The SAP has been reviewed, commented on, and approved by key parties to the study before the beginning of sample collection. Reliance on a detailed, explicit, and fully reviewed SAP ensures that:

- Study objectives, methods, procedures, and details are completely thought out before sampling.
- Data will be collected in a systematic and consistent way throughout the study.
- Every member of the Investigation Team adheres to the requirements of the SAP. Each Investigation Team member is required to sign the "Investigation Team Acknowledgment of Sampling and Analysis Plan Review," affirming that he or she has read this SAP, understands it, and will comply with it. In particular, each Field Crew Leader must make sure that his or her team adheres to the SAP.

The procedures specified in this SAP must be considered somewhat flexible. Events can arise during field sample and data collection that require changes to the procedures being used. In these circumstances, deviations from the SAP will be conducted only after consultation between the Assessment Managers and Investigation Lead. Deviations from the SAP will be carefully documented, as will a detailed explanation as to why the deviations were necessary; this information will be incorporated into an Addendum to the SAP to be prepared at a later date.

### **Project Managers Contact Information**

Contact information for the persons noted in section 3.1 of this SAP is as follows:

#### **NYSDEC Assessment Manager:**

Larry Gumaer, New York State Department of Environmental Conservation, 625 Broadway,  
5<sup>th</sup> Floor, Albany, NY 12233; Phone: 518-402-8971; Fax: 518-402-9027;  
e-mail: [lwgumaer@gw.dec.state.ny.us](mailto:lwgumaer@gw.dec.state.ny.us)

Amphibian and Reptile TWG Chair:

Kathryn Jahn, U.S. Fish and Wildlife Service, 3817 Luker Road, Cortland, NY 13045;  
Phone: 607-753-9334; Fax: 607-753-9699; e-mail: [kathryn\\_jahn@fws.gov](mailto:kathryn_jahn@fws.gov)

For work on National Park Service lands:

Bill Fuchs, National Park Service, Northeast Regional Office, 222 Union Street, #411,  
New Bedford, MA 02740; Phone: 508-999-4458; Fax: 508-999-4459;  
e-mail: [bill\\_fuchs@nps.gov](mailto:bill_fuchs@nps.gov)

**Data Generation and Acquisition**

Data developed in this study must meet standards of precision, accuracy, completeness, representativeness, comparability, and sensitivity, and be consistent with sound scientific methodology appropriate to the data quality objectives. Table 1 notes the types of data checks that will be used and their frequency.

Precision is defined as the level of agreement of repeated independent measurements of the same characteristic. For this study, agreement between Investigation Team members regarding species identification must be obtained for verification. This will occur in the field on a daily basis as surveys are conducted. Precision may also be evaluated by assessing the degree to which surveys are consistent among sites. The frequency and type of field checks are listed in Table 1 on the following page.

Accuracy is defined as the agreement of a measurement with its true value. For the parameters unique to the field portion of this study, accuracy means that the target animal is correctly identified.

Field crews will receive explicit instructions in the execution of this SAP. The field crews will be instructed in the field before beginning any sampling, and the instructions will be repeated or refreshed during the sampling as necessary (Table 1). The Investigation Lead will direct the fieldwork. Field crew members will be provided photographs, slides, and/or video images of bullfrog tadpoles and adults amphibian species of interest (bullfrog, northern leopard frog, and green frog). Before a field crew begins work, the Investigation Lead will confirm that the field crew members can accurately identify bullfrog tadpoles and adult bullfrogs, northern leopard frogs and green frogs.

Table 1. Data Checks and Frequency

Type of Activity	Measurement	Minimum Frequency of Check by Investigation Lead	Acceptance Criteria
Habitat evaluation	Habitat Evaluation Data Sheets are filled out correctly and completely.	Preferably daily, but with no more than a 3 day interval between preparation of a sheet by a Field Data Recorder and checking of the sheet by the Investigation Lead.	Data sheets are complete, legible and accurate.
Opportunistic visual or auditory observations of amphibians	Portion of Habitat Evaluation Data Sheet that pertains to opportunistic visual or auditory observations of amphibians is filled out correctly and completely.	Preferably daily, but with no more than a 3 day interval between preparation of a sheet by a Field Data Recorder and checking of the sheet by the Investigation Lead.	Data sheets are complete, legible and accurate.
Identification of amphibian species of interest during opportunistic observations	Adult bullfrog, green frog and northern leopard frogs can be identified by sight using a field guide and/or other information for confirmation, and sound	Once before beginning of investigation. Regular discussions between field crew members are expected. Descriptive keys, photographs, slides, and/or video images of adults of amphibian species of interest will be used to check identification.	One hundred percent accuracy on identification.
Bullfrog tadpole identification by sight	Bullfrog tadpoles can be identified by sight using a field guide and/or other information for confirmation.	Once before beginning of investigation. Regular discussions between field crew members are expected. Descriptive keys, photographs, slides, and/or video images of bullfrog tadpoles will be used to check identification.	One hundred percent accuracy on identification.
GPS data collection and data downloading	Field personnel can operate GPS equipment and transfer data to computers.	Once before beginning of investigation, and then as data is downloaded and verified.	GPS data collected in the field matches up to correct locations on georeferenced aerial photos of the study area.

Type of Activity	Measurement	Minimum Frequency of Check by Investigation Lead	Acceptance Criteria
Tadpole collection	Individual tadpole samples are properly labeled when collected	Each day tadpole samples are collected and/or composited.	Each individual sample is correctly assigned a Tadpole Identification Number
Completion of Tadpole Collection Data Sheets	Tadpole Collection Data Sheets are filled out correctly and completely.	Preferably daily, but with no more than a 3 day interval between preparation of a sheet by a Field Data Recorder and checking of the sheet by the Investigation Lead.	Data sheets are complete, legible and accurate.
Completion of Tadpole Processing Data Sheets	Tadpole Processing Data Sheets are filled out correctly and completely.	Preferably daily, but with no more than a 3 day interval between preparation of a sheet by a Processor and checking of the sheet by the Investigation Lead.	Data sheets are complete, legible and accurate; each composite sample is correctly assigned a Tadpole Carcass Composite ID and a Tadpole Gut Coil Composite ID.
Sediment sample collection	Sediment samples are properly labeled when collected and then transferred to the lab for homogenization and analysis.	Each day sediment samples are collected.	Each sample is correctly assigned a Sediment Sample Number.
Completion of Sediment Collection Data Sheets	Sediment Collection Data Sheets are filled out correctly and completely.	Preferably daily, but with no more than a 3 day interval between preparation of a sheet by a Field Data Recorder and checking of the sheet by the Investigation Lead.	Data sheets are complete, legible and accurate.

Completeness is defined as the percentage of the planned samples actually collected and processed. Although sample sizes cannot be predetermined, observations must be conducted in habitat that the species could use where access is granted. The full distribution of study efforts within those parameters is a measure of the completeness of this study.



Representativeness is defined as the degree to which the data accurately reflect the characteristics present at the sampling location at the time of sampling. Obtaining representative data for this study will be ensured through the establishment of a thorough literature review to identify life history characteristics, nursery habitat, and by completing field studies in a manner to determine if bullfrog tadpoles are present, and determining if adults of the amphibian species of interest are present.

Comparability is defined as the measure of confidence with which results from this study may be compared to another similar data set. Because of the nature of the study, there cannot be a duplication of effort in the same area at the same time. Comparability will be attained through use of techniques that are commonly used in amphibian studies in different parts of North America.

Sensitivity is defined as the ability of a measurement technique or instrument to operate at a level sufficient to measure the parameter of interest. For data specific to this study, sensitivity will pertain to the ability to locate and identify bullfrog tadpoles and adults of the amphibian species of interest. This process is a stepwise approach that requires expertise. Work will focus on potentially suitable habitats along the Hudson River. Then those specific habitats will be checked for the presence of bullfrog tadpoles, or adults of the amphibian species of interest. Surveys involve using visual searches and/or listening to locate the species of interest.

### *3.1.1 Study Documentation*

All study activities will be documented through use of the sequentially numbered Data Sheets contained with the SOPs (Appendices 1, 2, and 3). Data sheets will be placed into a ring-binder. All information will be recorded on these pre-formatted data sheets. The use of pre-formatted data sheets is a QA/QC measure designed to:

- ensure that all necessary and relevant information is recorded for each sample and each sampling activity,
- serve as a checklist for the field crews to help ensure completeness of the data collection effort,
- assist the field crews by making data recording more efficient, and
- minimize the problem of illegible field notebook entries.

Each Investigation Team will have a designated Field Data Recorder responsible for recording information on the Data Sheets. Assigning this responsibility to a designated person will help ensure that documentation is complete and consistent; Field Data Recorders will be retained throughout the study to the extent feasible. The Field Data Recorder is also responsible for the care, custody, and disposition of the binder containing the Data Sheets.

Data Sheet entries will be made in waterproof ink and corrections made with a single line through the error accompanied by the correction date, and the corrector's initials.

Each completed Data Sheet will be reviewed, corrected (if necessary), and initialed by the Field Data Recorder (or Processor in the case of the Tadpole Processing Data Sheet), and the Field Crew Leader. Data Sheets will then be reviewed by the Investigation Lead. This review by the

Investigation Lead will occur preferably daily, but with no more than a 3 day interval between preparation of a Data Sheet by a field crew or processor and checking of the data sheet by the Investigation Lead.

Following completion of the study, the original data sheets will be retained at NYSDEC.

### *3.1.2 Chain of Custody*

Strict Chain of Custody (COC) procedures will be used throughout the study. The COC procedure will begin when a tadpole or sediment sample is collected. A COC form is shown in Appendix 4. These forms will be used to maintain records of sample collection, sample transfer between personnel, sample shipment, and sample receipt for storage in a freezer, or receipt by the analytical lab. Each sample collected will be listed on the COC forms. A separate form will be used for each cooler that is shipped. The original COC will accompany the samples. The Investigation Lead will maintain a copy of the COC. The signatures of the persons shipping and receiving the samples, and the date and time of transfer, will be documented on the COC forms. An air-bill can be used to document the transfer of a sample from the Investigation Team to the shipper, and from the shipper to the analytical lab.

All sections of the COC form will be completed with information pertaining to the sample collection. All samples included in the sample catalog will be clearly listed. The time, date, location, identifier (i.e., sample ID code), type of sample, and number and size of containers will also be listed on the form. If more than one cooler is required to ship the samples, a separate form will be used listing the samples actually held in each cooler. An indication of the number of coolers per shipment (e.g., 1 of 3) will be listed on the form. Once the form is completely filled out, it will be placed in a clear plastic shipping window and securely attached to the inside of the cooler. Each cooler will be sturdy, well sealed with filament tape, and have an unbroken signed custody seal. All materials, samples, and coolers will be kept in locked locations all the time until shipped.

### *3.1.3 Personnel Experience and Training*

The Investigation Team will receive explicit instructions in the execution of this SAP from the Investigation Lead. The Investigation Team will be instructed in the field by the Investigation Lead before beginning any sampling, and the instructions will be repeated or refreshed during the sampling period as necessary (Table 1). The work will be directed by an Investigation Lead. Investigation Team members will be trained to identify bullfrog tadpoles by their sight and their habitat, and other identifying characteristics, and will be trained to identify adult bullfrogs, northern leopard frogs and green frogs by sight and sound; the ability of Investigation Team members to do so will be confirmed by the Investigation Lead before beginning work.

### **Assessment and Oversight**

Several mechanisms for internal audits of the data generation process will be used for the study.

These mechanisms include:

- A project management structure that defines clear lines of responsibility and ensures communication between field crews and with the Investigation Lead. Clear responsibilities and communication can serve as a means of providing internal audits of the sample collection process as it proceeds.
- A requirement that Data Sheets be completed daily and be reviewed by the Investigation Lead. Data Sheets will be reviewed by the Investigation Lead preferably daily, but with no more than a 3 day interval between preparation of a Data Sheet and checking of the Data Sheet by the Investigation Lead.
- The use of pre-formatted Data Sheets that serve as a checklist for sampling procedures, thereby helping to ensure that sampling is complete.
- The work will not begin until approval is received from the QA Coordinator or their delegate. The QA Coordinator or their designee will conduct a field audit of procedures and documentation of the study to ensure that the project-specific SOPs, this SAP and other procedures are being properly implemented.

### **Data Validation and Usability**

This study employs standard techniques for amphibian collection. The SAP for this study has been reviewed for the adequacy of the sampling design and methods. The original Data Sheets will be maintained by the NYSDEC and archived for a minimum of fifteen years. Disposal of the Data Sheets will be coordinated with the DOI and NOAA after this timeframe unless a longer archive period is requested. Any final reports generated from the data can then be reviewed against the sampling records to ensure that the data presented in the reports represent complete and accurate information. Analytical data will be validated as specified in the Analytical QA Plan (Hudson River Natural Resource Trustees, 2002b).

The Investigation Lead performing oversight of habitat characterization, tadpole and sediment collection and tadpole processing will validate that Investigation Team members are correctly identifying bullfrog tadpoles and adult amphibian species of interest, and correctly completing Data Sheets by performing periodic checks during the study as specified in Table 1.

## **4.0 DATA ENDPOINTS**

Data endpoints for this project will include habitat evaluation parameters, numbers of various frogs observed during the visual encounter surveys, and contamination levels in near-shore sediments and bullfrog tadpoles. The exact contaminant analyses and preparation procedures will be determined by the Trustees upon finalization of the collection, and will follow those specified in the Hudson River NRDA Analytical Chemistry QA Plan (Hudson River Natural Resource Trustees 2002b).

## **5.0 SCHEDULE**

Several tasks need to be sequentially performed while others can run parallel courses. The Hudson River bullfrog tadpole collection effort will begin in late summer 2003, and last several weeks. Before collection begins, any necessary State and/or Federal permits will be obtained. A “Scientific Research and Collecting Permit” will be required from the National Park Service (NPS) for any collection activities conducted on NPS lands.

## **6.0 LITERATURE CITED**

- Altig, R., R.W. McDiarmid, K.A. Nichols and P.C. Ustach. 1998. Tadpoles of the United States and Canada: A Tutorial and Key. U.S. Geological Survey, Patuxent Wildlife Research Center. Available at: <http://www.pwrc.usgs.gov/tadpole/>
- Berrill, Michael. 2002. Tadpole Field Guide. Trent University, Ontario, Canada. Available at: <http://www.trentu.ca/biology/berrill/>
- Hudson River Natural Resource Trustees. 2002a. Hudson River Natural Resource Damage Assessment Plan. September 2002. U.S. Department of Commerce, Silver Spring, MD.
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- Hunter, M.L. A.J.K. Calhoun, and M. McCollough. 1999. Maine Amphibians and Reptiles. The University of Maine Press, Orono, Maine.
- SEA Consultants, Inc. 2002. Hudson River Natural Resources Damage Assessment, Floodplain Soil and Biota Screening Sampling Report. SEA Consultants, Inc., Cambridge, Mass. Report Prepared for Industrial Economics, Inc. SEA Project No. 2000416.01-A.
- TAMS Consultants, Inc. and Menzie-Cura & Associates, Inc. 2000. Volume 2E – Revised Baseline Ecological Risk Assessment, Hudson River PCBs Reassessment. Report prepared for U.S. Environmental Protection Agency, Region 2 and U.S. Army Corps of Engineers, Kansas City District. 267 pp.
- U.S. Environmental Protection Agency. 2002. Record of Decision, Hudson River PCBs Site, New York. U.S. Environmental Protection Agency, Washington, DC. 110 pp. plus appendices.

**APPENDIX 1**

**Standard Operating Procedure**

**Habitat Evaluation**

# HABITAT EVALUATION

## STANDARD OPERATING PROCEDURE

### Introduction

This standard operating procedure (SOP) was developed as part of the Hudson River natural resource damage Trustees' data collection effort for the summer of 2003. The Sampling and Analysis plan for this effort contains details on issues such as site selection, quality assurance and control, and other topics of broad relevance to this field effort. This SOP focuses on the mechanics to be followed with respect to habitat evaluation, including the documentation of any opportunistic visual or auditory encounters with amphibians. This SOP is based on SOPs developed for similar habitat evaluation activities elsewhere (*e.g.*, Kendell 2002, Coeur d'Alene 1995).

### Habitat Characterization

Upon reaching the site, one or more photographs will be taken to provide an overview of the site, and the film and frame number(s) will be recorded on the Habitat Evaluation Data Sheet. In addition, for each site, the observer will record the following information on the site's Habitat Evaluation Data Sheet:

1. Date and time;
2. Site number and description;
3. GPS location;
4. Air temperature (°C) , taken approximately 1 meter above ground;
5. Water temperature (°C), taken a few inches below the surface in an area that is or that may be frequented by amphibians;
6. Cloud cover (clear, 0%, 25%, 50%, 75%, 100%);
7. Precipitation (none, light, moderate, heavy);
8. Wind (calm, light, strong);
9. Water flow (none, slow, moderate, fast);
10. Approximate water depth where the tadpoles are observed (may be a range);
11. Aquatic vegetation (none, sparse, moderate, dense); and species, if known.

12. Primary aquatic substrate (silt/mud, sand/gravel, cobble, bedrock, other);
13. Shoreline vegetation (describe type(s), density);
14. Opportunistic visual or auditory observations of amphibians;
15. Brief directions to site (optional);
16. Any other comments (special site features, evidence of human impacts to the site, logistical or other difficulties that may impact the site's usability in future studies, anecdotal observations, etc.).

### **Opportunistic Visual or Auditory Encounters**

The frog species of primary interest include the bullfrog (*Rana catesbeiana*), northern leopard frog (*Rana pipiens*), and green frog (*Rana clamitans*). These species occur in shallow emergent marsh habitat found adjacent to open water in the littoral zone of the river. Vegetation in these areas is overtopped during high flow events, which provides an opportunity for potentially contaminated sediment to settle out and become substrate. All three species of frogs use these areas for breeding and would be expected to be found breeding in the Upper Hudson River between about April and July, depending on the species. In Maine, northern leopard frogs breed in late April and early May; green frogs breed in early to mid June; and bullfrogs breed in late June and early July when air temperatures reach 20-22 °C (68-72 °F) (Hunter *et al.* 1999).

All three species of frogs breed in permanent water bodies with abundant emergent and aquatic vegetation. Chorusing adults are indicative of breeding activity. Northern leopard frogs usually mate at night when territorial males can be heard calling from groups in shallow water. Green frogs and bullfrogs also call more frequently at night, usually from a territory. Each frog has several different calls, which are used to attract females, defend a territory, or to distract a predator.

Although the field effort will not include formal visual or calling surveys of frogs, to the degree that frogs are seen or are heard calling during the course of this field effort, the estimated numbers of individuals seen or heard calling and their species (preliminarily determined) will be recorded.

### **Materials and Equipment**

- GPS unit
- Habitat Evaluation Datasheets (write-in-the-rain paper)
- Writing instruments with waterproof ink
- Bulb-based or other thermometer calibrated in °C suitable for air temperature measurements
- Bulb-based or other thermometer calibrated in °C suitable for water temperature measurements
- Long-handled nets for capturing frogs

- Camera with film (or a digital camera) with extra batteries
- Binoculars

## **References**

Coeur d'Alene Natural Resource Damage Assessment Standard Operating Procedure. Revised May 3, 1995.

Crump, M.L. and N.J. Scott. 1994. Visual encounter surveys. Pp. 84-92. *In*, W.R. Heyer, M.A. Donnelly, R.W. McDiarmid, L.C. Hayek, and M.S. Foster (eds.), *Measuring and monitoring biodiversity: standard methods for amphibians*. Smithsonian Institution Press, Washington D.C. 364 pp.

Hunter, M.L., A.J.K. Calhoun, and M. McCollough. 1999. *Maine Amphibians and Reptiles*. The University of Maine Press, Orono, Maine.

Kendell, K. 2002. Survey protocol for the northern leopard frog. Alberta Sustainable Resource Development, Fish and Wildlife Division, Alberta Species at Risk Report No. 43, Edmonton, AB. 30 pp.



**Habitat Evaluation Data Sheet****Site Number / Description:**


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**UTM East:** \_\_\_\_\_ **UTM North:** \_\_\_\_\_

**Note:** If GPS location cannot be provided at time of collection, other sufficient identifying information for location shall be provided in "Other Notes" section below to allow GPS coordinates to be subsequently obtained, if possible.

**Film Roll #:** \_\_\_\_\_ **Frame #s:** \_\_\_\_\_**Name of Field Crew Leader (print):** \_\_\_\_\_**Name of Field Data Recorder (print):** \_\_\_\_\_
**Date:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_      **Time:** \_\_\_\_\_  
                   Month      Day      Year

**Air Temperature (°C):** \_\_\_\_\_      **Water Temperature (°C):** \_\_\_\_\_  
                   (taken 1 meter above ground)      (taken a few inches below surface)
**Additional Site Conditions (circle one):**

<b>Major (and surrounding) land uses:</b>						
<b>Cloud Cover:</b>	clear	0%	25%	50%	75%	100%
<b>Precipitation:</b>	none	light	moderate	heavy		
<b>Wind:</b>	calm	light	strong			
<b>Water Flow:</b>	none	slow	moderate	fast		
<b>Water Depth (cm):</b>						
<b>Aquatic Vegetation:</b>	none	sparse	moderate	dense		
Notes:						
<b>Primary Aquatic Substrate:</b>	silt/mud	sand/gravel	cobble	bedrock	other (specify)	
<b>Shoreline Vegetation:</b>	none	sparse	moderate	dense		
Notes (e.g., dominant species, etc.):						

**Opportunistic Visual or Auditory Observations of Amphibians:**

**Calling (circle one):**

Bullfrog                      none    individual    several    full chorus  
 Green frog                    none    individual    several    full chorus  
 Northern leopard frog    none    individual    several    full chorus

Other: \_\_\_\_\_

**Visual observations:**

Species	Number	Habitat Type(s) Observed In (and other comments)
Bullfrog		
Northern leopard frog		
Green frog		

**Directions to site (optional):**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Other Notes:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Initials/Date of Field Data Recorder: \_\_\_\_\_

Initials/Date of Field Crew Leader: \_\_\_\_\_

Initials/Date of Review of Data Sheet by Investigation Lead: \_\_\_\_\_

## **APPENDIX 2**

### **Standard Operating Procedure**

### **Tadpole Collection and Processing**

# **TADPOLE COLLECTION AND PROCESSING**

## **STANDARD OPERATING PROCEDURE**

### **Introduction**

This standard operating procedure (SOP) was developed as part of the Hudson River natural resource damage Trustees' data collection effort for the summer of 2003. The Sampling and Analysis plan for this effort contains details on issues such as site selection, quality assurance and control, and other topics of broad relevance to this field effort. This SOP focuses on the mechanics to be followed with respect to bullfrog (*Rana catesbeiana*) tadpole collection, shipment, and preparation for chemical analysis.

### **Collection Methodology**

Bullfrog tadpoles will be collected using seines, dip nets, minnow traps or other sampling equipment, as appropriate based on habitat and site-specific logistical considerations. To the degree that tadpoles of other species are inadvertently caught, the species and approximate numbers of these tadpoles will be determined and recorded on a Tadpole Collection Data Sheet for the site. Non-bullfrog tadpoles will be re-released. For each site, as many bullfrog tadpoles as possible will be collected, up to a total of 25 per site.

When collected, bullfrog tadpoles will be transferred to a chemically-clean glass jar containing a few millimeters of site water. All tadpoles from a single site will be put into a single jar, and the jar will be labeled with the date, time, collectors' initials, and the site number. This glass jar will be put into a cooler containing blue ice, where the tadpoles will be kept until removed to another facility (*e.g.*, the Hale Creek lab facility) at the end of the collection day.

### **Equipment Care**

Prior to sampling at a new site, sampling equipment (seine, dip nets, traps, etc.) will be well-rinsed in site water at a point somewhat removed from the anticipated specific sampling location. Care will be taken to ensure that no visible sediment, particulates, vegetation or biota from prior sites remains on the apparatus when it is used at the new site.

### **Tadpole Handling: Euthanization, Labeling, Documentation, and Storage**

At the end of each collection day, all collected tadpoles will be documented, labeled, and euthanized in the lab as described below. In particular:

1. Each tadpole will be removed from the site collection jar. Tadpoles will be handled by field personnel using nitrile gloves. Care will be taken to not damage the tadpole. Each tadpole will be assigned a unique identification number. The tadpole identification numbers will have the following format:

*BT-001-001*

“BT” stands for bullfrog tadpole. The first set of three digits refers to the unique site number from which the tadpole was collected, and the second set of three digits refers to the unique tadpole number. For instance, if three tadpoles are caught at Site 1, their numbers would be BT-001-001, BT-001-002, and BT-001-003. The next tadpole, caught at Site 2, would have the number BT-002-004.

2. Tadpoles will be examined for gross external deformities, erosion, lesions, and tumors (DELTs). All tadpoles with DELTs will be photographed, and the relevant data recorded on the Tadpole Collection Data Sheet.
3. Assuming that no abnormalities are observed in tadpoles collected from a particular site, pictures will be taken of at least three apparently normal tadpoles from each site; these tadpoles may be photographed on the same frame provided they can be identified individually, such as by placement of labels with ID numbers next to the individuals or appropriate notation on the data sheets. (If DELTs are observed, more pictures may be taken and those tadpoles will be photographed individually.) If tadpoles in different stages of development are found at a given site, the team will try to take one photograph of an example of each stage, up to a total of three photographs.
4. After examination for DELTs and/or being photographed, each tadpole will be wrapped in aluminum foil, and the foil will be labeled with the tadpole’s unique identification number using a permanent marker.
5. To euthanize the tadpole, labeled foil packages will immediately be put on dry ice for a minimum of 15 minutes.
6. After euthanization, the foil package will be double-bagged in Zip-loc type bags. A notecard will be inserted between the inner and outer bag, facing out, and will contain the following information: Hudson River, the tadpole identification number, the sampling date, and the investigator’s initials.
7. Bagged tadpoles will be stored at  $-20^{\circ}\text{C}$  until they are shipped to a lab for dissection and chemical analysis.

## **Shipping**

Tadpoles are to be shipped as per the United States Geological Service's protocol for the Collection, Preservation & Mailing of Amphibians.<sup>1</sup> Specifically, the double-bagged tadpoles will be put into plastic or hard cardboard boxes (to prevent crushing), and packed in a cooler or in a styrofoam-lined cardboard box containing dry ice.

Nylon-reinforced or 2-inch wide clear tape will be wrapped completely across the lid, sides and bottom of each cooler in at least two places to prevent accidental opening of the container. An overnight courier service may be used to ship containers to the new location; if used, all procedures required by the carrier for the safe shipping of dry ice will be followed. Alternately, the samples may be hand-delivered to the laboratory (with a total transportation time of not more than 12 hours). Strict Chain of Custody procedures will be followed, as described in Section 3.3.2 of the Sampling and Analysis plan.

## **Gut Coil Removal and Compositing**

Tadpoles will be swiftly measured and dissected, to avoid deterioration of the tadpole gut coil and body as it defrosts. In particular, tadpoles will be processed and their gut coils removed according to the following steps:

1. After removing from the freezer and unwrapping, weigh the tadpole to the nearest milligram (0.001 g), handling the tadpole with chemically-clean forceps. Record the measurement on the Tadpole Processing Data Sheet.
2. Measure both snout-to-vent length and total length to the nearest millimeter with the electronic vernier calipers, and record the measurements on the Tadpole Processing Data Sheet.
3. Determine the Gosner stage of the tadpole using Gosner (1960), and record the measurement on the Tadpole Processing Data Sheet.
4. While the tadpole is still partially to mostly frozen (the optimal degree of 'frozenness' is best determined with experience), make a slit along the ventral surface from the throat to the vent, using a chemically-clean scalpel.
5. With a forceps, carefully remove the gut coil. Inspect the coil carefully for any other tissues. The gut coil is a uniform gray or olive drab color, and other tissues such as liver, heart, or other organs are typically indicated by a red, orange, or pink color. These other tissues are to be returned to the carcass.
6. Weigh the gut coil to the nearest 0.001 g, and record the measurement on the Tadpole Processing Data Sheet.

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<sup>1</sup> See [http://www.nwhc.usgs.gov/research/amph\\_dc/sop\\_mailing.html](http://www.nwhc.usgs.gov/research/amph_dc/sop_mailing.html), visited on 7/1/2003.

7. Weigh the carcass without the gut coil to the nearest 0.001 g, and record the measurement on the Tadpole Processing Data Sheet.
8. Tadpoles from a single site in similar developmental stages, as defined by Gosner (1960), will be composited into a single sample of approximately 10 g as follows:
  - Prelimb (21-26);
  - Visible limb bud (27-35);
  - Hindlimb (36-39);
  - Metamorph (40-45).

Tadpole carcasses (without gut coils) will be combined into a single, chemically-clean glass jar with a Teflon lid. *Depending on the numbers and stages of tadpoles collected, the above compositing scheme may need to be revisited.*

9. Tadpole carcass composite jars will be labeled with the following information: Hudson River, the tadpole collection date, the collector's initials, and a composite identification number with the following format:

*BTC-001-001*

“BTC” refers to bullfrog tadpole composite. The first set of three digits refers to the unique site number from which the tadpole was collected, and the second set of three digits refers to the unique composite number.

10. Gut coils from each tadpole composite will be combined a single chemically-clean glass jar for purposes of chemical analysis.
11. Gut coil composite jars will be labeled with the following information: Hudson River, the tadpole collection date, collector's initials, and a composite identification number with the following format:

*BGCC-001-001*

“BGCC” refers to bullfrog gut coil composite. The first set of three digits refers to the unique site number from which the tadpole was collected, and the second set of three digits refers to the unique composite number at the site. The six numeric digits should be identical to those used for the corresponding tadpole carcass composite.

12. If the samples will not be immediately subject to chemical analysis, all samples will be re-frozen and stored at a temperature of -20°C or colder. If refrozen, the composite containers will be put into a labeled box prior to being stored.

As noted above, data from the above measurements will be recorded into a Tadpole Processing Data Sheet. Notes of any potential problems that arise during the dissection and compositing process will be made.

For each tadpole, either a fresh scalpel and pair of forceps will be used or the equipment will be cleaned between dissections. Equipment will be cleaned between tadpoles by washing in tap water, rinsing in distilled water, rinsing in HP-grade acetone, and allowing to dry.

## **Materials and Equipment**

### FIELD COLLECTIONS

- GPS unit
- Seine for collecting tadpoles, ¼ -inch mesh
- Dip net (D-scap) for collecting tadpoles, ¼ -inch mesh
- Minnow traps
- Chemically-clean glass jar with Teflon lid (1 per tadpole collection site), with pre-adhered labels
- Tadpole Collection Data Sheets in ring-binder (write-in-the-rain paper)
- Writing instruments with waterproof ink
- Labeled cooler containing blue ice
- Chain of Custody forms
- Nitrile gloves

### INITIAL LABORATORY PROCESSING

- Square pieces aluminum foil – 1 per tadpole
- Zip-loc type bags – 2 per tadpole
- Notecards – 1 per tadpole
- Permanent marker
- Dry ice in suitably-sized container
- Nitrile gloves
- Camera with film (or a digital camera) with extra batteries
- Tadpole Collection Data Sheets in ring-binder (write-in-the-rain paper)
- Chain of Custody forms

### SHIPPING

- Hard plastic or cardboard boxes for protecting bagged tadpoles
- Shipping container (cooler or cardboard box lined with styrofoam)
- Dry ice
- Nylon-reinforced tape or 2-inch wide clear tape
- Chain of Custody seals
- Chain of Custody forms
- Paperwork for overnight courier service
- Writing instruments

### LAB DISSECTION AND COMPOSITING

- Balance that weights to the nearest 0.001 gram
- Electronic vernier calipers
- Paper or other towels



- Chemically-clean scalpel
- Chemically-clean forceps
- Chemically-clean glass jars, 2 per composite (1 for gut coils; 1 for rest of bodies) with Teflon lids
- Labels for the sample jars
- Nitrile gloves
- Labeled storage boxes (in the event that composited samples are not immediately subject to chemical analysis)
- Tadpole Processing Data Sheets in ring-binder
- Chain of Custody forms
- Writing instruments

### **References**

- Gosner, K. L. 1960. A simplified table for staging anuran embryos and larvae with notes on identification. *Herpetologica*. 16:183-190.
- United States Geological Service National Wildlife Health Center. 2001. Collection, preservation & mailing of amphibians for diagnostic examinations. Standard Operating Procedure. Amphibian Research & Monitoring Initiative (ARMI) SOP No. 105. ACUC Tracking No. 2001-007. Revised March 2, 2001.

**Tadpole Collection Data Sheet**

**Species:** Bullfrog (*Rana catesbeiana*)

**Site Number / Description:** \_\_\_\_\_

**UTM East:** \_\_\_\_\_ **UTM North:** \_\_\_\_\_

**Note:** If GPS location cannot be provided at time of collection, other sufficient identifying information for location shall be provided in "Other Notes" section below to allow GPS coordinates to be subsequently obtained, if possible.

**Name of Field Crew Leader (print):** \_\_\_\_\_

**Name of Field Data Recorder (print):** \_\_\_\_\_

**Date of Collection:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ **Time of Collection:** \_\_\_\_\_  
 Month Day Year

Sample ID	Photo taken? (y/n)	Photo Roll No.	Photo Frame Nos.	Gross External Deformities, Erosion, Lesions, and Tumors

**Other Notes:**

Initials/Date of Field Data Recorder: \_\_\_\_\_

Initials/Date of Field Crew Leader: \_\_\_\_\_

Initials/Date of Review of Data Sheet by Investigation Lead: \_\_\_\_\_

**Tadpole Processing Data Sheet**

Species: Bullfrog (*Rana catesbeiana*)

Tadpole Carcass Composite ID:   BTC   - \_\_\_\_\_ - \_\_\_\_\_

Tadpole Gut Coil Composite ID:   BGCC   - \_\_\_\_\_ - \_\_\_\_\_

Name of Processor (print): \_\_\_\_\_

Date of Processing: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_      Time of Processing: \_\_\_\_\_  
    Month      Day      Year

Tadpole ID	Whole weight	Snout-to-vent length (mm)	Total length (mm)	Developmental Stage	Gut coil weight	Carcass weight without gut coil
BT-						
BT-						
BT-						
BT-						
BT-						
BT-						
BT-						
BT-						
BT-						
BT-						

**Other Notes:**

Initials/Date of Processor: \_\_\_\_\_

Initials/Date of Review of Data Sheet by Investigation Lead: \_\_\_\_\_

## **APPENDIX 3**

### **Standard Operating Procedure**

#### **Sediment Collection**

# **SEDIMENT COLLECTION**

## **STANDARD OPERATING PROCEDURE**

### **Introduction**

This standard operating procedure (SOP) was developed as part of the Hudson River natural resource damage Trustees' data collection effort for the summer of 2003. The Sampling and Analysis plan for this effort contains details on issues such as site selection, quality assurance and control, and other topics of broad relevance to this field effort. This SOP focuses on the mechanics to be followed with respect to nearshore sediment collection, shipment, and preparation for chemical analysis. This SOP is based on SOPs developed for similar sediment collection activities elsewhere (*e.g.*, EPA (1994a and 1994b), EPA (2001), Coeur d' Alene (1995), PTI Environmental Services (1995), Radtke (1997), and Portland Harbor Sediment Management Plan (1999)).

### **Collection and Compositing**

To avoid disturbing the sediments prior to collection, at each site sediments will be collected prior to the collection of tadpoles, to the extent feasible. For purposes of this SOP, a sampling site is defined as an area of contiguous habitat with similar structural characteristics not more than 100 meters in diameter. In practice, the Field Crew Leader will define the specific area that constitutes a single site for sampling purposes.

A composite of approximately 500 g of sediments will be collected from each site. The composite will consist of 25 samples of approximately 10 ml each, taken from 25 separate locations within each defined site.

Sediment samples from a specific site will be collected using an interval approach and will be collected from nearshore locations that are at least five feet apart, in an area that spans the site of bullfrog tadpole collection. A rope, marked in 1- and 5-foot intervals, will be used to help delineate the sampling area. To the degree that a site is too small for 25 samples to be collected at 5-foot intervals, smaller, regular intervals will be used at the discretion of the Field Crew Leader. The approximate sampling interval used will be recorded on the Sediment Collection Data Sheet. Overall, when collecting samples, care will be taken to maintain the integrity of the site and minimize disturbance of sediments during the site evaluation and collecting process.

For sampling in slow-moving water that is less than 24 inches deep, the use of a chemically-clean aluminum trowel or scoop is appropriate. Following the guidance of EPA (1994b), the following procedure will be used to collect sediment with the trowel or scoop:

1. Before walking through the sample site, identify the approximate areas for sediment collection. Space them out, as described above, to sample the entire tadpole

collection area. Identify the route of access to each sample point and avoid and minimize sediment disruption from trampling between sample points.

2. Carefully remove approximately 10 ml of sediment from the selected location, to a depth of up to 3 cm.
3. Transfer the sample into a pre-labeled, 16-ounce chemically clean glass jar with a Teflon lid. Fill out the relevant portions of the Sediment Collection Data Sheet.
4. Move to the next subsite and repeat the process until a total of twenty-five sediment samples have been collected in the jar.
5. Care will be taken to minimize loss of sediments from the scoop during the collection process. This may mean restricting sample collection to areas of shallower water.

Approximately equal portions of about 10 ml of sediment from each of 25 subsites will be deposited into a chemically-clean glass jar with a Teflon-lined cap, leaving at least a 1/3 of the jar empty to allow for expansion if the sample is frozen. Excess water will be carefully decanted.

A fresh, chemically-clean aluminum scoop (wrapped in aluminum foil after cleaning) will be used for each site.

### **Storage, Labeling and Shipping**

Self-adhesive labels will be attached to the composite containers. When a composite is put into a container as described above, the container's label will be marked with the following information: Hudson River, sediment composite number, sampling date, and the investigator's initials. Sediment composite numbers will have the following format:

*SED-001*

“SED” stands for sediment. The set of three digits refers to the unique site number from which the sediments were collected.

After putting the composite into the labeled container, each container will be wrapped in protective material (*e.g.*, bubble wrap) and placed in a plastic bag. Bags will be placed into a cooler containing blue ice, where they will be kept until removed to another facility (*e.g.*, the Hale Creek lab facility) at the end of the collection day. Sediment samples will be kept at -20°C until transferred to the analytical laboratory.

For purposes of shipping, the bags containing the sample containers should be placed into an ice chest or cooler. Blue ice should also be placed in the cooler in sufficient quantities to ensure that the samples are kept cold until arrival at the laboratory.

Nylon-reinforced or 2-inch wide clear tape will be wrapped completely across the lid, sides and bottom of each cooler in at least two places to prevent accidental opening of the

container. An overnight courier service may be used to ship containers to the chemical analysis lab; if used, all procedures required by the carrier for the safe shipping of dry ice will be followed. Alternately, the samples may be hand-delivered to the laboratory (with a total transportation time of not more than 12 hours). Strict Chain of Custody procedures will be followed, as described in Section 3.3.2 of the Sampling and Analysis plan. Upon arrival at the lab, the samples will be maintained at -20°C until thawed for chemical analysis.

## **Materials and Equipment**

### FIELD COLLECTIONS

- GPS unit
- Chemically-clean aluminum scoops or trowels, wrapped in aluminum foil
- Chemically-clean, wide-mouth 16-ounce glass jars with Teflon-coated lids and with self-adhesive labels attached
- Rope, marked off in 1- and 5-foot intervals
- Bubble wrap or other protective packing material
- Plastic bags for storing sampling containers protected with bubble-wrap
- Labeled coolers containing blue ice
- Chain of Custody forms
- Sediment Collection Datasheets in ring binder (write-in-the-rain paper)
- Writing instruments with waterproof ink
- Nitrile gloves

### SHIPPING

- Blue ice
- Coolers
- Nylon-reinforced or 2-inch wide clear tape
- Chain of Custody forms

## **References**

Coeur d'Alene Natural Resource Damage Assessment Standard Operating Procedure. Revised May 3, 1995.

PTI Environmental Services. 1995. Sediment Sampling and Analysis Plan Appendix: Guidance on the Development of Sediment Sampling and Analysis Plan Meeting the Requirements of the Sediment Management Standards - Chapter 173-204 WAC. Draft. Prepared for the Washington State Department of Ecology.

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Radtke, D.B. 1997. National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, Chapter A8, accessed 7/8/03 at <http://water.usgs.gov/owq/FieldManual/>.

- U.S. Environmental Protection Agency (EPA). 1994a. Sampling Equipment Decontamination. SOP #2006, Rev. #0.0. August 11, 1994.
- U.S. Environmental Protection Agency (EPA). 1994b. Sediment Sampling. SOP #2016, Rev. #0.0. November 17, 1994.
- U.S. Environmental Protection Agency (EPA). 2001. Methods for Collection, Storage and Manipulation of Sediments for Chemical and Toxicological Analyses: Technical Manual. EPA-823-B-01-002. October.



**Sediment Collection Data Sheet****Site Number / Description:**


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**UTM East:** \_\_\_\_\_ **UTM North:** \_\_\_\_\_

Note: If GPS location cannot be provided at time of collection, other sufficient identifying information for location shall be provided in "Other Notes" section below to allow GPS coordinates to be subsequently obtained, if possible.

**Sampling Interval:** \_\_\_\_\_**Sediment observations:**

Sub-sample No.	Approximate depth of loose, flocculent, detrital material overlying sediments	Sediment color, texture, consistency
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		



## **APPENDIX 4**

### **Chain of Custody Form**



# APPENDIX B

**DATA QUALITY ASSESSMENT REPORT.  
HUDSON RIVER NATURAL RESOURCE DAMAGE  
ASSESSMENT. FLOODPLAIN STUDY. TADPOLE TISSUE  
AND ASSOCIATED SEDIMENT.**

# **DATA QUALITY ASSESSMENT REPORT**

## **HUDSON RIVER NATURAL RESOURCE DAMAGE ASSESSMENT**

### **FLOODPLAIN STUDY Tadpole Tissue and Associated Sediment**

#### **Prepared for:**

State of New York  
Department of Environmental Conservation

U.S. Department of Commerce  
National Oceanic and Atmospheric Administration

U.S. Department of Interior  
Fish and Wildlife Service

April 21, 2004

Version 1.0

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**Table 1A: Summary of Standard Reference Material Results - Tadpoles**

**Table 1B: Summary of Standard Reference Material Results: Statistical Evaluation - Tadpoles**

**Table 1C: Summary of Standard Reference Material Results - Sediment**

**ATTACHMENT A      Data Validation Reports by Sample Delivery Group .....A - 1**

## **DATA QUALITY ASSESSMENT**

### **Hudson River Natural Resource Damage Assessment Tadpole Tissue and Associated Sediments**

#### **1.0 INTRODUCTION**

This report documents the results of a quality assurance review of data from tadpole tissues and the associated sediment samples collected in support of the Hudson River Natural Resource Damage Assessment. All samples were analyzed for PCB congeners, PCB homologue groups, and total PCBs. The tadpole composites were also analyzed for percent lipids. The sediment samples were analyzed for percent moisture, total organic carbon, and grain size.

A total of 155 bullfrog (*Rana catesbeiana*) tadpoles were collected from eight of the nine sites included in this sampling event (no tadpoles were collected from Site 2). One composite sediment sample was also collected from each study site. Field methods are described in *Sampling and Analysis Plan for the Collection of Bullfrog (Rana catesbeiana) Tadpoles and Near-Shore Sediment Samples from the Hudson River, New York*, Final, August 11, 2003.

The tadpoles were transported under chain-of-custody to the US Geological Survey (USGS) Patuxent Wildlife Research Center, where the tadpoles were dissected to remove the gut coils, and then composited. The tadpole composites were shipped to Woods Hole Group Environmental Laboratories for analysis.

A total of 42 tadpole composites and nine sediment composites were submitted for analysis. The tadpole composites were analyzed in three laboratory analytical batches (0312035, 0312036, and 0312044), and the sediment composites were in a separate batch (0312034). One equipment rinsate blank was collected during the tadpole tissue homogenization process at the laboratory, and reported in analytical batch 0312088.

The samples were prepped, extracted, and analyzed by the Woods Hole Group Environmental Laboratories (Raynham, Massachusetts) using laboratory Standard Operating Procedures (SOPs) that were submitted and reviewed prior to sample receipt.

#### **2.0 DATA VALIDATION PROCEDURES**

Data validation was based on the quality assurance/quality control (QA/QC) criteria documented in the *Analytical Quality Assurance Plan for the Hudson River Natural Resource Damage Assessment*, Version 1.0, July 9, 2002, and USEPA *National Functional Guidelines for Organic Data Review*, 1999, and the following laboratory SOPs:

- SOP # HR NRDA Project Tissue Prep: Tissue Preparation and Homogenization, Revision #1.0, 9/25/02



- SOP # OP-004: Extraction of Soil, Tissue, Vegetation, and Sediment by Pressurized Fluid Extraction, Revision #2.0, 8/15/02
- SOP # O-010: Determination of PCB Homologues and Individual Congeners by GC/MS - SIM, Revision # 2.2, 10/24/02
- SOP # HR NRDA % Lipids: Percent Lipids Determination, Revision # 0.0, 9/9/02
- SOP # W-001: Percent Solids Determination, Revision # 2.1, 9/25/02
- SOP # W-028: Total Organic Carbon in Soil, Sediment and Water, Revision # 2.0, 1/22/03
- SOP # W-029: Particle Size Analysis of Soils - with and without Hydrometer, and Liquid Limit, Plastic Limit and Plasticity Index, Draft, 1/16/04
- Additional cleanup, sample handling, storage, custody SOPs as necessary.

Sample results and related QC data were received in both an electronic and hard copy format. Electronic data were verified against the hard copy data package. One tadpole composite package and the sediment data package received full validation; the other packages received summary validation.

The following QC elements were reviewed for data packages undergoing summary validation:

- Analytical holding times
- Chain of custody and sample handling
- GC/MS tune verification (from summary forms)
- Method blank contamination (from summary forms)
- Initial and continuing calibration (from summary forms)
- Rinsate blank contamination (from sample result summaries)
- Analytical accuracy: surrogates, matrix spike samples, laboratory control samples, and standard reference material results (from summary forms)
- Analytical precision: laboratory duplicate samples (from summary forms)
- Internal standard areas (from summary forms)
- Reported detection limits (from sample result summaries)

Full validation included review of all the items listed above for summary validation, plus the following QC elements:

- Compound identification (from raw data)
- Compound quantitation, transcription and calculation checks performed at a frequency of 10% from raw data. If an error was noted, 100% of the calculations and transcriptions for that data set were verified.

This report summarizes the results of data validation relative to the analytical data quality objectives (ADQO) for precision, accuracy, and completeness. The report also provides a quantitative and

qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability.

Laboratory QC samples were used to assess the effectiveness of homogenization procedures and to evaluate laboratory-derived contamination, laboratory performance, and sample matrix effects. Quality control samples included: method blanks, laboratory control samples (LCS), matrix spike (MS) samples, laboratory duplicate samples, and standard reference material (SRM) analyses. Surrogates were added to each sample analyzed for PCB congeners to further assess the effects of sample matrix on accuracy.

Data were qualified when associated QC sample results were outside the QC limits. The following definitions provide brief explanations of the qualifiers assigned to results in the data validation process:

- J Estimated:** The associated numerical value is an estimated quantity. The analyte was detected, but the reported value may not be accurate or precise. The “J” qualification indicates the data fell outside the QC limits, but the exceedance was not sufficient to cause rejection of the data.
- UJ Estimated/Not detected:** An analysis was performed for the compound or analyte, but it was not detected and the sample quantitation or detection limit may be inaccurate or imprecise. The associated numerical result is the detection limit.
- NJ Tentatively Identified/Estimated:** The analyte was tentatively identified and the associated numerical value is an estimated quantity.
- DNR Do Not Report:** Data should not be used. A more appropriate result has been reported.

### 3.0 DATA QUALITY ASSESSMENT

The data package submitted by the laboratory was reviewed to determine whether the analytical data quality objectives (ADQO) specified in Tables 6.1a - 6.1c in the *Analytical Quality Assurance Plan* were met. Each quality control element is discussed briefly below. More details are available in the individual data validation reports presented in **Attachment A**.

#### 3.1 Holding Times and Sample Preservation

The primary analytes of concern for this study are persistent compounds, which have been found to remain stable in tissue after several years of storage. Due to this, no maximum holding time criterion was established. The samples were extracted approximately 4 months after collection. All extracts were analyzed within 30 days from sample extraction. Samples were kept frozen by the laboratory at the required temperature of  $-20^{\circ}\text{C} \pm 2^{\circ}$ .

## **3.2 Instrument Calibration**

### **3.2.1 Initial Calibration (ICAL)**

The ADQO specification for the initial calibration is that a minimum of a five point calibration would be performed for all analytes, and that the percent relative standard deviation (%RSD) values for all analytes are less than 20%.

All submitted ICAL data met the specified ADQO.

### **3.2.2 Continuing Calibration (CCAL)**

The ADQO specified for the continuing (or daily) calibrations is that a CCAL must be analyzed at the beginning and end of each analytical sequence (or every 12 hours, whichever is more frequent), and that all percent difference (%D) values must be less than 20%. Up to three %D values can be greater than 20%, provided that all %D values are less than 30%.

All CCAL met the ADQO requirements. The %D value for PCB31/28 was greater than 20% (but less than 30%) in two CCALs. The PCB31/28 results were estimated (J or UJ) in the associated samples. Nine results (two detection limits and seven positive results) were qualified based on the CCAL %D outliers.

## **3.3 GC/MS Tune**

GC/MS instrument tuning verifications were performed at the proper frequency, prior to each analytical sequence. All GC/MS tunes met the acceptance criteria specified in the laboratory standard operating procedures.

## **3.4 Blank Analyses**

The method blanks and equipment rinsate blank were acceptable, in that no target analytes were detected in any blank.

## **3.5 Accuracy**

Accuracy is evaluated by comparison of an analytical concentration to a known (true) value. Accuracy was monitored through the use of surrogate compounds in each sample, and SRM, MS, and laboratory control sample (blank spike) analyses. Each QC element is discussed below. Overall, accuracy was acceptable.

### **3.5.1 Surrogate Compounds**

Two surrogate compounds,  $^{13}\text{C}$ -BZ#19 and  $^{13}\text{C}$ -BZ#202, were added to each sample prior to extraction.

The ADQO specified for surrogate compounds is that all percent recovery (%R) values would be within the 50% - 125% acceptance window. The recovery value from the late eluting surrogate (<sup>13</sup>C-BZ#202) is used for the quantitation of the reported target analyte concentrations.

All of the surrogate %R values were within the 50% - 125% control limits.

### **3.5.2 Standard Reference Material Analyses**

An SRM was extracted and analyzed with each analytical batch. The SRM selected for the tadpole tissue composites was 1974b - Organics in Mussel Tissue. This SRM has certified values for 27 PCB congeners. One SRM analysis was submitted with each laboratory batch, so a total of three SRM analyses (with 27 certified values each, for a total of 81 data points) were performed.

The ADQO for the SRM is that the reported value must be within  $\pm 20\%$  of the 95% confidence interval of the true value, for analytes with values greater than five times the method detection limit (MDL). This ADQO was used by the laboratory to evaluate the reported results. However, during data validation, no data were qualified unless the reported value was greater than  $\pm 25\%$  of the 95% confidence interval.

Overall, the SRM accuracy results were acceptable. Two SRM results (2.5% of the total) were greater than the upper control limit (125% of the 95% confidence interval for an individual congener). The outliers were for the following congeners: PCB18 and PCB31/28. The positive results associated with these SRM outliers were estimated (J) to indicate a potential high bias. Twenty-two results (0.9% of the tadpole results) were estimated based on these SRM outliers.

The SRM selected for the sediment analyses was 1944 - New York/New Jersey Waterway Sediment. This SRM has certified values for 28 of the target PCB congeners. One SRM analysis was submitted, for a total of 28 data points. Two SRM results (7.1% of the total) were greater than the upper control limit (125% of the 95% confidence interval for an individual congener). The outliers were for the following congeners: PCB138 and PCB170. The positive results associated with these SRM outliers were estimated (J) to indicate a potential high bias. Sixteen results (2.8 % of the sediment results) were estimated based on these SRM outliers.

**Tables 1A, 1B, and 1C** summarize the SRM results for this study.

### **3.5.3 Laboratory Control Samples**

The laboratory performed laboratory control sample (LCS) analyses at the required frequency of one for every 15 samples or analytical batch, whichever was more frequent. The ADQO for the LCS analyses is that all %R values must be within the acceptance limits of 75% to 125%.

Five LCS analyses were submitted with the samples. Each LCS included 47 target analytes, for a total of 235 data points (%R values). Eleven LCS %R values were greater than the 125% upper control limit, indicating a potential high bias. Associated positive results were estimated (J);

reporting limits were judged as unaffected and no action was taken. Forty-five data points (1.5% of the sample results) were estimated based on the LCS %R outliers.

#### **3.5.4 Matrix Spike Samples**

Matrix spike analyses were not performed for the tadpole composite samples due to limited sample volume.

For the sediments, the laboratory analyzed an MS and a duplicate. Each MS sample included 47 spiked analytes, for a total of 94 data points. The ADQO for MS analyses is that all %R values should be within the 50% to 125% control limits. The ADQO does not apply if the concentration in the parent sample is greater than five times the concentration in the spiking solution.

A potential low bias was indicated by two of the MS %R values (one in the MS and one in the duplicate), as the %R values were less than 50% (at 43% and 44%). One data point (the result for PCB110 in Sample SED-009) was estimated (J) based on the MS %R outliers.

#### **3.5.5 Internal Standards**

Internal standards were added to each field and QC sample prior to injection onto the analytical instrument. The ADQO for internal standards is that the area of the internal standards in each analysis must be within  $\pm 50\%$  of the area of the internal standard in the associated CCAL.

All internal standard areas met the ADQO.

### **3.6 Precision**

Precision is evaluated through replicate analyses of a sample. For this study, laboratory duplicate samples could not be analyzed due to the limited sample volume. An SRM was analyzed with each batch. Overall, precision was judged as acceptable.

#### **3.6.1 Standard Reference Material Analyses**

**Section 3.5.2** describes the frequency and criteria for the SRM analyses performed with each analytical batch. The results for the SRM analyses associated with the tadpoles and sediments are summarized in **Tables 1A, 1B, and 1C**.

SRM accuracy outliers are discussed in **Section 3.5.2**. For congeners with elevated recovery values, the precision %D results (compared to the certified values) were also elevated. For the other congeners, the average %D from the certified values for the 1974b SRM results ranged from 0.43% to 22.8% for each of the congeners with values greater than five times the MDL. Most %D values (18) are less than 10%, indicating good overall precision among the analytical batches.

### 3.7 Reporting Limits and Sample Results

Method detection limits (MDLs) were determined using low level spikes in tissue from laboratory mice following procedures outlined in the *US Code of Federal Regulations* (40 CFR Part 136, Appendix B). The detection limits for target congeners were generally in the range of 0.02 µg/Kg to 0.22 µg/Kg, with a co-elution of PCB31/28 at 1.38 g/Kg. There were 14 target congeners with MDL values greater than the 0.1 µg/Kg target MDL. The PCB31/28 co-elution MDL value was elevated due to interferences which could not be resolved using the selected method.

The separation and spectral fit for any positive result for the coplanar congeners (PCB77, PCB81, PCB126, and PCB169) were evaluated. PCB77 was the only coplanar congener detected in these samples. PCB110 was found to interfere with PCB77.

For PCB77, the spectral match met general identification criteria, so the laboratory correctly reported the results as positive results. However, due to the interference, the results may be false positives or may be biased high. The potential interferences cannot be resolved without further extract cleanup (e.g., carbon column cleanup). Thus, all positive results for PCB77 were qualified as tentatively identified at an estimated concentration (NJ-21). PCB congener PCB77 was reported as detected in all sediment samples except SED-009, and the results were qualified NJ. A total of eight results for PCB77 were qualified.

Chromatography and mass spectral identification were reviewed for a minimum of 10% of the other reported congeners. No other instances of potential interference were noted. All reported positive results met the identification criteria and chromatographic peak shapes were acceptable. All other reported results were judged to be accurate unless qualified for some other reason.

### 3.8 Completeness

Out of 3054 results reported by the laboratory (51 samples each with 47 congeners, 10 homologue groups, and total PCBs; percent lipids for the tadpole composites; percent moisture, grain size, and total organic carbon for the sediments), a total of 86 (2.8%) data points were estimated (J). No data were rejected. The completeness level attained for the analysis of the field samples is 100%.

### 3.9 Summary of Data Usability

A total of 86 out of 3054 results were estimated because of laboratory accuracy outliers. In general, the overall quality of the data is acceptable and the results, as qualified, are considered usable.

TABLE 1A  
Summary of Standard Reference Material Results - Tadpoles  
STANDARD REFERENCE MATERIAL 1974b - Organic in Mussel Tissue (*Mytilus edulis*)  
Concentrations are ng/g, wet weight

SDG	0312035	0312036	0401044	True Value	Uncertainty	±25% Limits	
						ng/g	
PCB Congener	ng/g	ng/g	ng/g	ng/g	(+/-)	From	To
PCB18	1.03	1.34	0.965	0.84	0.13	0.500	1.18
PCB28/31	6.10	8.19	8.76	6.31	0.48	4.25	8.37
PCB44	3.99	3.81	3.91	3.85	0.20	2.69	5.01
PCB49	4.67	4.65	4.30	5.66	0.23	4.02	7.31
PCB52	6.02	6.30	6.54	6.26	0.37	4.33	8.20
PCB66	5.75	6.07	6.15	6.37	0.37	4.41	8.33
PCB70	6.54	6.62	6.74	6.01	0.22	4.29	7.73
PCB74	2.88	3.09	3.66	3.55	0.23	2.43	4.67
PCB87	4.73	4.79	5.06	4.33	0.36	2.89	5.77
PCB95	5.88	6.59	6.35	6.04	0.36	4.17	7.91
PCB99	5.35	5.45	5.77	5.92	0.27	4.17	7.67
PCB101	10.9	12.4	12.5	10.7	1.1	6.93	14.5
PCB105	3.70	4.28	3.91	4.00	0.18	2.82	5.18
PCB110	8.61	8.97	10.1	10.0	0.7	6.80	13.2
PCB118	11.4	11.4	11.3	10.3	0.4	7.33	13.3
PCB128	2.04	1.84	1.62	1.79	0.12	1.22	2.36
PCB138	11.2	11.2	11.5	9.2	1.4	5.50	12.9
PCB146	1.87	1.79	1.87	1.92	0.16	1.28	2.56
PCB149	6.39	6.85	6.72	7.01	0.28	4.98	9.04
PCB151	1.71	1.82	1.77	1.86	0.16	1.24	2.49
PCB153	10.9	11.0	11.7	12.3	0.8	8.43	16.2
PCB156	0.827	0.621	0.657	0.718	0.080	0.459	0.978
PCB158	1.11	1.00	1.12	0.999	0.096	0.653	1.34
PCB170*	0.438	0.544	0.657	0.269	0.034	0.168	0.370
PCB180	1.34	1.24	1.26	1.17	0.10	0.778	1.56
PCB183	1.28	1.19	1.26	1.25	0.03	0.908	1.59
PCB187	2.81	2.82	2.94	2.94	0.15	2.06	3.83

SDG = Sample Delivery Group, also called analytical batch

\*The "True Value" for PCB170 is less than five times the MDL. The acceptance criteria do not apply.

Shaded values are outside the acceptance criteria

TABLE 1B  
Summary of Standard Reference Material Results: Statistical Evaluation – Tadpoles  
STANDARD REFERENCE MATERIAL 1974b - Organic in Mussel Tissue (*Mytilus edulis*)  
Summary of Analytical Performance

PCB Congener	True Value ng/g	Uncertainty	+/- 25% Limits ng/g		Average Result ng/g	Minimum Result ng/g	Maximum result ng/g	Number of Analyses	Number of Outliers	Standard Deviation (n-1)	Average vs. True %D
			From	To							
PCB18	0.84	0.13	0.500	1.18	1.11	0.965	1.34	3	1	0.20	-32.3
PCB28/31	6.31	0.48	4.25	8.37	7.68	6.10	8.76	3	1	1.40	-21.8
PCB44	3.85	0.20	2.69	5.01	3.90	3.81	3.99	3	0	0.09	-1.39
PCB49	5.66	0.23	4.02	7.31	4.54	4.30	4.67	3	0	0.21	19.8
PCB52	6.26	0.37	4.33	8.20	6.29	6.02	6.54	3	0	0.26	-0.426
PCB66	6.37	0.37	4.41	8.33	5.99	5.75	6.15	3	0	0.21	5.97
PCB70	6.01	0.22	4.29	7.73	6.63	6.54	6.74	3	0	0.10	-10.4
PCB74	3.55	0.23	2.43	4.67	3.21	2.88	3.66	3	0	0.40	9.58
PCB87	4.33	0.36	2.89	5.77	4.86	4.73	5.06	3	0	0.18	-12.2
PCB95	6.04	0.36	4.17	7.91	6.27	5.88	6.59	3	0	0.36	-3.86
PCB99	5.92	0.27	4.17	7.67	5.52	5.35	5.77	3	0	0.22	6.70
PCB101	10.7	1.1	6.93	14.5	11.9	10.9	12.5	3	0	0.90	-11.5
PCB105	4.00	0.18	2.82	5.18	3.96	3.70	4.28	3	0	0.29	0.917
PCB110	10.0	0.7	6.80	13.2	9.23	8.61	10.1	3	0	0.78	7.73
PCB118	10.3	0.4	7.33	13.3	11.4	11.3	11.4	3	0	0.06	-10.4
PCB128	1.79	0.12	1.22	2.36	1.83	1.62	2.04	3	0	0.21	-2.42
PCB138	9.2	1.4	5.50	12.9	11.3	11.2	11.5	3	0	0.17	-22.8
PCB146	1.92	0.16	1.28	2.56	1.84	1.79	1.87	3	0	0.05	3.99
PCB149	7.01	0.28	4.98	9.04	6.65	6.39	6.85	3	0	0.24	5.09
PCB151	1.86	0.16	1.24	2.49	1.77	1.71	1.82	3	0	0.06	5.02
PCB153	12.3	0.8	8.43	16.2	11.20	10.9	11.7	3	0	0.44	8.94
PCB156	0.718	0.080	0.459	0.978	0.702	0.621	0.827	3	0	0.11	2.27
PCB158	0.999	0.096	0.653	1.34	1.08	1.00	1.12	3	0	0.07	-7.77
PCB170*	0.269	0.034	0.168	0.370	0.546	0.438	0.657	3	NA	0.11	NA
PCB180	1.17	0.10	0.778	1.56	1.28	1.24	1.34	3	0	0.05	-9.40
PCB183	1.25	0.03	0.908	1.59	1.24	1.19	1.28	3	0	0.05	0.533
PCB187	2.94	0.15	2.06	3.83	2.86	2.81	2.94	3	0	0.07	2.83

%D = [(True Value - Average Result) / True Value] X 100

\*The "True Value" for PCB170 is less than five times the MDL. The acceptance criteria do not apply.



TABLE 1C  
Summary of Standard Reference Material Results – Sediment  
STANDARD REFERENCE MATERIAL 1944 - New York/New Jersey Waterway Sediment  
Concentrations are ng/g, dry weight

SDG	0312034	True Value	Uncertainty	±25% Limits	
				ng/g	
PCB Congener	ng/g	ng/g	(+/-)	From	To
PCB8	20.3	22.3	2.3	14.4	30.2
PCB18	59.2	51.0	2.6	35.7	66.4
PCB28/31	157	159.5	4.3	115	204
PCB44	62.7	60.2	2.0	43.2	77.3
PCB49	47.1	53.0	1.7	38.1	68.0
PCB52	86.7	79.4	2.0	57.6	101
PCB66	76.1	71.9	4.3	49.6	94.2
PCB87	37.0	29.9	4.3	18.1	41.7
PCB95	50.4	65.0	8.9	39.9	90.2
PCB99	29.3	37.5	2.4	25.7	49.3
PCB101	82.0	73.4	2.5	52.6	94.3
PCB105	27.0	24.5	1.1	17.3	31.7
PCB110	72.0	63.5	4.7	42.9	84.1
PCB118	66.0	58.0	4.3	39.2	76.8
PCB128	6.86	8.47	0.28	6.07	10.9
PCB138	81.1	62.1	3.0	43.6	80.6
PCB149	58.8	49.7	1.2	36.1	63.3
PCB151	20.0	16.93	0.36	12.3	21.5
PCB153	77.0	74.0	2.9	52.6	95.4
PCB156	6.74	6.52	0.66	4.23	8.81
PCB170	29.8	22.6	1.4	15.6	29.7
PCB180	50.4	44.3	1.2	32.0	56.6
PCB183	11.8	12.19	0.57	8.57	15.8
PCB187	26.3	25.1	1.0	17.8	32.4
PCB194	10.5	11.2	1.4	7.00	15.4
PCB195	4.41	3.75	0.39	2.42	5.08
PCB206	7.51	9.21	0.51	6.40	12.0
PCB209	5.55	6.81	0.33	4.78	8.84

SDG = Sample Delivery Group, also called analytical batch  
Shaded values are outside the acceptance criteria

# ***ATTACHMENT A***

## **Data Validation Reports by Sample Data Group (SDG)**

**DATA VALIDATION REPORT - FULL REVIEW**  
**Hudson River**  
**Polychlorinated Biphenyl Congeners, Total Organic Carbon,**  
**Grain Size, and Total Solids**  
**SDG: 0312034**  
**Woods Hole Group**

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory quality control samples. Samples were analyzed by Woods Hole Group Environmental Laboratories, Raynham, Massachusetts. The following table lists the samples reviewed.

Field ID	Laboratory ID	Matrix
SED-002	0312034-01	Sediment
SED-001	0312034-02	Sediment
SED-003	0312034-03	Sediment
SED-004	0312034-04	Sediment
SED-005	0312034-05	Sediment
SED-006	0312034-06	Sediment
SED-007	0312034-07	Sediment
SED-008	0312034-08	Sediment
SED-009	0312034-09	Sediment

**I. DATA PACKAGE COMPLETENESS**

All required deliverables were submitted by the laboratory. The laboratory followed adequate corrective action processes, and all anomalies were discussed in the case narrative.

**II. TECHNICAL DATA VALIDATION**

The quality control (QC) requirements that were reviewed are listed below.

- |                                    |   |                                     |
|------------------------------------|---|-------------------------------------|
| GC/MS Instrument Performance Check | 2 | Standard Reference Material (SRM)   |
| Initial Calibration (ICAL)         | 1 | Laboratory Duplicate                |
| Continuing Calibration (CCAL)      |   | Internal Standards                  |
| Blanks                             | 2 | Compound Identification             |
| 1 Surrogate Compounds              |   | Calculation Verification            |
| 2 Matrix Spike (MS)                | 2 | Reporting Limits and Sample Results |
| 2 Laboratory Control Samples (LCS) |   | EDD Transcription Check             |

<sup>1</sup> *Quality control results are discussed below, but no data were qualified.*

<sup>2</sup> *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

### **Surrogate Compounds**

The percent recovery (%R) value for the C<sub>13</sub>-PCB19 surrogate was less than the 50% lower control limit at 48%, in the standard reference material analysis. No action was taken.

### **Matrix Spike/Matrix Spike Duplicate (MS/MSD)**

Matrix spike analysis was performed using Sample SED-009. The %R values for PCB110 were less than the 50% lower control limit in both the matrix spike (at 43%) and the matrix spike duplicate (at 44%). As the recovery in the laboratory control sample (LCS) was acceptable, the value for PCB110 was estimated (J-8) in Sample SED-009 only.

### **Laboratory Control Sample (LCS)**

The percent recovery (%R) values for PCB87, PCB118, PCB156, PCB167, PCB170, and PCB189 were greater than the upper control limit of 125%. Positive values for these analytes were estimated (J-10) in the samples. As the outliers indicate a potential high bias, reporting limits were judged unaffected.

### **Standard Reference Material (SRM)**

The laboratory analyzed SRM1944 - New York/New Jersey Waterway Sediment. This SRM has certified values for 28 of the target PCB congeners. The reported concentrations for PCB138 and PCB170 were greater than the upper control limit of the acceptance window [ $\pm 20\%$  of the 95% confidence interval]. Since the recoveries of these compounds were acceptable in the MS/MSD and/or LCS analyses, no action was taken unless the reported concentrations were also outside a wider control limit of  $\pm 25\%$  of the 95% confidence interval.

Since the reported values for both PCB138 and PCB170 were also greater than the +25% upper control limit, positive values for these congeners were estimated (J-12) in all samples. As the SRM results indicate a potential high bias, no action was taken if the congeners were not detected.

### **Laboratory Duplicate**

No laboratory duplicate was performed for the grain size or the PCB congener analysis. Precision for the PCB congener analysis was assessed from the MS/MSD results. Precision was not evaluated for the grain size analysis.

### **Compound Identification**

The separation and spectral fit for any positive result for the coplanar congeners (PCB77, PCB81, PCB126, and PCB169) were evaluated. PCB77 was the only coplanar congener detected in these samples. PCB110 was found to interfere with PCB77.

For PCB77, the spectral match met general identification criteria, so the laboratory correctly reported the results as positive results. However, due to the interference, the results may be false positives or may be biased high. The potential interferences cannot be resolved without further extract cleanup (e.g., carbon column cleanup). Thus, all positive results for PCB77 were qualified as tentatively identified at an estimated concentration (NJ-21). PCB congener PCB77 was reported as detected in all samples except SED-009, and the results were qualified NJ.

Although not a coplanar congener, an interference was also noted for PCB157. For PCB157, the peak co-elutes with the non-target PCB200. However, the quantitation ions for PCB157 (a hexachlorobiphenyl) and PCB200 (an octachlorobiphenyl) are sufficiently different that each congener can be resolved despite the co-elution. No action was taken for the PCB157 results.

Chromatography and mass spectral identification were reviewed for a minimum of 10% of all other reported congeners. No other instances of potential interference were noted. All reported positive results met the identification criteria and chromatographic peak shapes were acceptable.

## **Reporting Limits and Sample Results**

Samples SED-002, SED-004, and SED-007 required dilution due to values that exceeded the linear range of the instrument. Both sets of data were reported by the laboratory. In order that only one set of data be reported, values that exceeded the linear range of the instrument were qualified as do-not-report (DNR-20) in the initial analyses and should be reported from the dilutions. The values for all analytes except those that exceeded the linear range in the initial analyses were qualified as do-not-report (DNR-14) in the dilution analyses.

For GCMS-SIM analysis, response factors are generated for each congener during the calibration process. The relative area of a peak is divided by the appropriate response factor to calculate the concentration of the congener. For the homologue groups (monochlorobiphenyl, dichlorobiphenyl, etc.), a representative response factor is used. For example, the response factor for PCB29 is used as the representative response factor for all trichlorobiphenyls.

In several samples, the reported trichlorobiphenyl and/or heptachlorobiphenyl homologue group total values were less than the sum of the individual congeners. This occurs because the representative response factor is sufficiently different from the target congener response factors generated during the calibration. For example, the response factor for the PCB31/28 co-elution (detected in most samples) is lower than the trichlorobiphenyl representative response factor. Since the areas are divided by the response factors, this results in a lower concentration for the total trichlorobiphenyls, even if PCB31/28 is the only detected congener in the chlorination level.

Unless all 209 congeners are calibrated, any reported total for a chlorination level will have some inherent variability. The differences for the Total Homologue values are all less than 1.0%. This is within the variability of the method, thus no action was taken.

### **III. Overall Assessment**

As was determined by this evaluation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the surrogate, laboratory control sample (LCS), standard reference material (SRM), and matrix spike/matrix spike duplicate (MS/MSD) percent recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the relative percent difference values for the MS/MSD and laboratory duplicate analyses.

Data were estimated due to MS, LCS, and SRM recovery outliers. Data were qualified as tentatively identified due to potential interference. Data were qualified as do-not-report due to concentrations greater than the linear range of the instrument and the existence of duplicate data.

Data that have been qualified as do-not-report should not be used for any purpose. All other data, as qualified, are acceptable for use.

**DATA VALIDATION REPORT - FULL REVIEW**  
**Hudson River**  
**Polychlorinated Biphenyl Congeners and Percent Lipids**  
**SDG: 0312035**  
**Woods Hole Group**

This report documents the review of analytical data from the analysis of tadpole tissue composites and the associated laboratory quality control samples. Samples were analyzed by Woods Hole Group Environmental Laboratories, Raynham, Massachusetts. The following table lists the samples reviewed.

Field ID	Laboratory ID
BTC-001-001	0312035-01
BTC-001-002	0312035-02
BTC-001-003	0312035-03
BTC-003-001	0312035-04
BTC-003-002	0312035-05
BTC-003-003	0312035-06
BTC-004-001	0312035-07
BTC-004-002	0312035-08
BTC-004-003	0312035-09
BTC-005-001	0312035-10

Field ID	Laboratory ID
BTC-005-002	0312035-11
BTC-006-001	0312035-12
BTC-006-002	0312035-13
BTC-007-001	0312035-14
BTC-007-002	0312035-15
BTC-008-001	0312035-16
BTC-008-002	0312035-17
BTC-009-001	0312035-18
BTC-009-002	0312035-19

**I. DATA PACKAGE COMPLETENESS**

All required deliverables were submitted by the laboratory. The laboratory followed adequate corrective action processes, and all anomalies were discussed in the case narrative.

**II. TECHNICAL DATA VALIDATION**

The quality control (QC) requirements that were reviewed are listed below.

- |                                    |                                       |
|------------------------------------|---------------------------------------|
| GC/MS Instrument Performance Check | 1 Standard Reference Material (SRM)   |
| Initial Calibration (ICAL)         | 1 Laboratory Duplicate                |
| Continuing Calibration (CCAL)      | Internal Standards                    |
| Blanks                             | 1 Compound Identification             |
| 1 Surrogate Compounds              | Calculation Verification              |
| 1 Matrix Spike (MS)                | 1 Reporting Limits and Sample Results |
| Laboratory Control Samples (LCS)   | EDD Transcription Check               |

<sup>1</sup> *Quality control results are discussed below, but no data were qualified.*

<sup>2</sup> *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

### **Surrogate Compounds**

The percent recovery (%R) value for the C<sub>13</sub>-PCB19 surrogate was less than the lower control limit of 50, at 46%, in Sample BTC-009-001. This surrogate is not used for recovery correction, and the %R value for the surrogate used for recovery correction (C<sub>13</sub>-PCB202 at 58%) was acceptable. No action was taken.

### **Matrix Spike (MS)**

Matrix spike analysis was not performed due to insufficient sample volume.

### **Standard Reference Material (SRM)**

The laboratory analyzed an aliquot of SRM 1974b - Organics in Mussel Tissue. This SRM has certified values for 27 of the target PCB congeners. The reported concentration for PCB170 was greater than the upper control limit of the acceptance window [ $\pm 20\%$  of the 95% confidence interval]. However, the certified concentration for PCB170 is less than five times the established method detection limit (MDL) for this analyte, and therefore the criteria do not apply. No qualifiers were assigned.

### **Laboratory Duplicate**

No laboratory duplicate was performed due to insufficient sample volume.

### **Compound Identification**

Chromatography and mass spectral identification were reviewed for a minimum of 10% of all reported congeners. No instances of potential interference were noted. All reported positive results met the identification criteria and chromatographic peak shapes were acceptable.

### **Reporting Limits and Sample Results**

Sample BTC-004-001 was analyzed at a dilution (2.18X) based on screening values. Reporting limits were elevated accordingly. No action was taken.

In Samples BTC-001-001, BTC-001-002, BTC-001-003, BTC-006-001, BTC-009-001, and BTC-009-002, the value reported for the trichlorobiphenyl homologue group is less than the sum of the individual target trichlorobiphenyl congeners reported in these samples. In Sample BTC-005-002 the value reported for the heptachlorobiphenyl homologue group is less than the sum of the individual target heptachlorobiphenyl congeners reported in this sample.

PCB congener response factors are generated for each target congener during the calibration process. The relative area of a peak is divided by the appropriate response factor to calculate the



concentration of the congener. For the homologue groups (monochlorobiphenyl, dichlorobiphenyl, etc.), a representative response factor is used. For example, the response factor for PCB29 is used as the representative response factor for all trichlorobiphenyls.

In the cases above, where the reported trichlorobiphenyl or heptachlorobiphenyl homologue group total values are less than the sum of the individual congeners, the representative response factor selected for homologue calculation is sufficiently different from the target congener response factors generated during the calibration. For example, the response factor for the PCB31/28 co-elution (detected in most samples) is lower than the trichlorobiphenyl representative response factor. Since the areas are divided by the response factors, this results in a lower concentration for the total trichlorobiphenyls, even if PCB31/28 is the only detected congener in the chlorination level.

Unless all 209 congeners are calibrated, any reported total for a chlorination level will have some inherent variability. For example, for the trichlorobiphenyl and heptachlorobiphenyl results, the greatest difference between the calculated (by summing the congeners) and reported result is 2.1% (for values with concentrations greater than the reporting limit). The differences noted for the Total Homologue values are all less than 1.0%. This is within the variability of the method, thus no action was taken.

### **III. Overall Assessment**

As was determined by this evaluation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the surrogate, LCS, and SRM recovery values.

All data, as reported, are acceptable for use.

**DATA VALIDATION REPORT - SUMMARY REVIEW**  
**Hudson River**  
**Polychlorinated Biphenyl Congeners and Percent Lipids**  
**SDG: 0312036**  
**Woods Hole Group**

This report documents the review of analytical data from the analysis of tadpole tissue composites and the associated laboratory quality control samples. Samples were analyzed by Woods Hole Group Environmental Laboratories, Raynham, Massachusetts. The following table lists the samples reviewed.

Field ID	Laboratory ID
BTC-001-004	0312036-01
BTC-001-005	0312036-02
BTC-001-006	0312036-03
BTC-001-007	0312036-04
BTC-003-004	0312036-05
BTC-004-004	0312036-06
BTC-004-005	0312036-07
BTC-005-003	0312036-08

Field ID	Laboratory ID
BTC-005-004	0312036-09
BTC-005-005	0312036-10
BTC-006-003	0312036-11
BTC-006-004	0312036-12
BTC-006-005	0312036-13
BTC-006-006	0312036-14
BTC-007-003	0312036-15

**I. DATA PACKAGE COMPLETENESS**

All required deliverables were submitted by the laboratory. The laboratory followed adequate corrective action processes, and all anomalies were discussed in the case narrative.

**II. TECHNICAL DATA VALIDATION**

The quality control (QC) requirements that were reviewed are listed below.

- |                                    |   |                                     |
|------------------------------------|---|-------------------------------------|
| GC/MS Instrument Performance Check | 2 | Standard Reference Material (SRM)   |
| Initial Calibration (ICAL)         | 1 | Laboratory Duplicate                |
| Continuing Calibration (CCAL)      |   | Internal Standards                  |
| Blanks                             |   | Compound Identification             |
| Surrogate Compounds                | 1 | Reporting Limits and Sample Results |
| 1 Matrix Spike (MS)                |   | EDD Transcription Check             |
| Laboratory Control Samples (LCS)   |   |                                     |

<sup>1</sup> *Quality control results are discussed below, but no data were qualified.*

<sup>2</sup> *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

### **Matrix Spike (MS)**

Matrix spike analysis was not performed due to insufficient sample volume.

### **Standard Reference Material (SRM)**

The laboratory analyzed an aliquot of SRM 1974b - Organics in Mussel Tissue. This SRM has certified values for 27 of the target PCB congeners. The reported concentrations for PCB18, PCB31/28, and PCB170 were greater than the upper control limit of the acceptance window ( $\pm 20\%$  of the 95% confidence interval). However, the certified concentration for PCB170 is less than five times the established method detection limit (MDL) for this analyte, and therefore the criteria do not apply. Since the recoveries of the other compounds were acceptable in the laboratory control sample (LCS) analyses, no action was taken unless the reported concentrations were also outside a wider control limit of  $\pm 25\%$  of the 95% confidence interval.

The reported value for PCB31/28 was within a wider window of  $\pm 25\%$  of the 95% confidence interval, and no qualifiers were assigned to PCB31/28. The reported value for PCB18 was greater than the upper limit of the wider window of  $\pm 25\%$  of the 95% confidence interval. PCB18 was detected in all samples, and these values were estimated (J-12).

### **Laboratory Duplicate**

No laboratory duplicate was performed due to insufficient sample volume.

### **Reporting Limits and Sample Results**

In Samples BTC-001-004, BTC-001-005, BTC-001-006, and BTC-006-007 the value reported for the trichlorobiphenyl homologue group is less than the sum of the individual target trichlorobiphenyl congeners reported in these samples.

PCB congener response factors are generated for each target congener during the calibration process. The relative area of a peak is divided by the appropriate response factor to calculate the concentration of the congener. For the homologue groups (monochlorobiphenyl, dichlorobiphenyl, etc.), a representative response factor is used. For example, the response factor for PCB29 is used as the representative response factor for all trichlorobiphenyls.

In the cases above, where the reported trichlorobiphenyl homologue group total values are less than the sum of the individual congeners, the representative response factor selected for homologue calculation is sufficiently different from the target congener response factors generated during the calibration. For example, the response factor for the PCB31/28 co-elution (detected in most samples) is lower than the trichlorobiphenyl representative response factor. Since the areas are divided by the response factors, this results in a lower concentration for the total trichlorobiphenyls, even if PCB31/28 is the only detected congener in the chlorination level.

Unless all 209 congeners are calibrated, any reported total for a chlorination level will have some inherent variability. The differences noted for the Total Homologue values are within the variability of the method, thus no action was taken.

### **III. Overall Assessment**

As was determined by this evaluation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the surrogate, LCS, and SRM recovery values, with the exceptions noted above.

Data were qualified as estimated due to an SRM recovery outlier.

All data, as qualified, are acceptable for use.

**DATA VALIDATION REPORT - SUMMARY REVIEW**  
**Hudson River**  
**Polychlorinated Biphenyl Congeners**  
**SDG: 0312088**  
**Woods Hole Group**

This report documents the review of analytical data from the analysis of one equipment rinsate blank and the associated laboratory quality control samples. Samples were analyzed by Woods Hole Group Environmental Laboratories, Raynham, Massachusetts.

**I. DATA PACKAGE COMPLETENESS**

All required deliverables were submitted by the laboratory. The laboratory followed adequate corrective action processes, and all anomalies were discussed in the case narrative.

**II. TECHNICAL DATA VALIDATION**

The quality control (QC) requirements that were reviewed are listed below.

GC/MS Instrument Performance Check	1	Standard Reference Material (SRM)
Initial Calibration (ICAL)	1	Laboratory Duplicate
2 Continuing Calibration (CCAL)		Internal Standards
Blanks		Compound Identification
Surrogate Compounds		Reporting Limits and Sample Results
1 Matrix Spike (MS)		EDD Transcription Check
1 Laboratory Control Samples (LCS)		

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<sup>1</sup> *Quality control results are discussed below, but no data were qualified.*

<sup>2</sup> *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

**Continuing Calibration (CCAL)**

The percent difference (%D) value of PCB31/28 (at 21.7%) was greater than the control limit of  $\pm 20\%$  in the CCAL performed December 29, 2003 at 14:50. The reporting limit for this analyte was estimated (UJ-5B) in the sample.

**Matrix Spike (MS)**

No matrix spikes (MS) were performed with this SDG.

### **Laboratory Control Sample (LCS)**

The percent recovery (%R) values for PCB189, PCB194, PCB195, PCB206, and PCB209 were greater than the upper control limit of 125% in the LCS submitted with this SDG. As these analytes were not detected in the sample, and the outliers indicate a potential high bias, no action was taken.

### **Standard Reference Material (SRM)**

A standard reference material (SRM) was not analyzed with this SDG.

### **Laboratory Duplicate**

A laboratory duplicate was not performed.

## **III. Overall Assessment**

As was determined by this evaluation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the surrogate and LCS %R values, with the exceptions noted above. Laboratory precision was not evaluated.

One data point was estimated due to a continuing calibration percent difference outlier.

All data, as qualified, are acceptable for use.

**DATA VALIDATION REPORT - SUMMARY REVIEW**  
**Hudson River**  
**Polychlorinated Biphenyl Congeners and Percent Lipids**  
**SDG: 0401044**  
**Woods Hole Group**

This report documents the review of analytical data from the analysis of tadpole tissue composites and the associated laboratory quality control samples. Samples were analyzed by Woods Hole Group Environmental Laboratories, Raynham, Massachusetts. The following table lists the samples reviewed.

Field ID	Laboratory ID
BTC-007-004	0401044-01
BTC-008-003	0401044-02
BTC-008-004	0401044-03
BTC-008-005	0401044-04
BTC-008-006	0401044-05
BTC-009-003	0401044-06
BTC-009-004	0401044-07
BTC-009-005	0401044-08

**I. DATA PACKAGE COMPLETENESS**

All required deliverables were submitted by the laboratory. The laboratory followed adequate corrective action processes, and all anomalies were discussed in the case narrative.

**II. TECHNICAL DATA VALIDATION**

The quality control (QC) requirements that were reviewed are listed below.

GC/MS Instrument Performance Check	1	Standard Reference Material (SRM)
Initial Calibration (ICAL)	1	Laboratory Duplicate
2 Continuing Calibration (CCAL)		Internal Standards
Blanks		Compound Identification
Surrogate Compounds	1	Reporting Limits and Sample Results
1 Matrix Spike (MS)		EDD Transcription Check
Laboratory Control Samples (LCS)		

<sup>1</sup> *Quality control results are discussed below, but no data were qualified.*

<sup>2</sup> *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

### **Continuing Calibration (CCAL)**

The percent difference (%D) value of PCB31/28 (at 20.9%) was greater than the control limit of  $\pm 20\%$  in the CCAL performed January 28, 2004 at 16:17. Positive values and/or reporting limits for this analyte were estimated (J/UJ-5B) in the samples.

### **Matrix Spike (MS)**

Matrix spike analysis was not performed due to insufficient sample volume.

### **Standard Reference Material (SRM)**

The laboratory analyzed an aliquot of SRM 1974b - Organics in Mussel Tissue. This SRM has certified values for 27 of the target PCB congeners. The reported concentrations for PCB31/28, PCB49, and PCB170 were greater than the upper control limit of the acceptance window ( $\pm 20\%$  of the 95% confidence interval). However, the certified concentration for PCB170 is less than five times the established method detection limit (MDL) for this analyte, and therefore the criteria do not apply. Since the recoveries of the other compounds were acceptable in the laboratory control sample (LCS) analyses, no action was taken unless the reported concentrations were also outside a wider control limit of  $\pm 25\%$  of the 95% confidence interval.

The reported value for PCB49 was within a wider window of  $\pm 25\%$  of the 95% confidence interval, and no qualifiers were assigned to PCB49. The reported value for PCB31/28 was greater than the upper limit of the wider window of  $\pm 25\%$  of the 95% confidence interval. PCB31/28 was detected in all samples except BTC-009-005. The positive results were estimated (J-12). As the outlier indicated a potential high bias, the detection limit in BTC-009-005 was not affected, and no further action was taken.

### **Laboratory Duplicate**

No laboratory duplicate was performed due to insufficient sample volume.

### **Reporting Limits and Sample Results**

In Samples BTC-009-003 and BTC-009-004 the value reported for the trichlorobiphenyl homologue group is less than the sum of the individual target trichlorobiphenyl congeners reported in these samples.

PCB congener response factors are generated for each target congener during the calibration process. The relative area of a peak is divided by the appropriate response factor to calculate the concentration of the congener. For the homologue groups (monochlorobiphenyl, dichlorobiphenyl, etc.), a representative response factor is used. For example, the response factor for PCB29 is used as the representative response factor for all trichlorobiphenyls.



In the cases above, where the reported trichlorobiphenyl homologue group total values are less than the sum of the individual congeners, the representative response factor selected for homologue calculation is sufficiently different from the target congener response factors generated during the calibration. For example, the response factor for the PCB31/28 co-elution (detected in most samples) is lower than the trichlorobiphenyl representative response factor. Since the areas are divided by the response factors, this results in a lower concentration for the total trichlorobiphenyls, even if PCB31/28 is the only detected congener in the chlorination level.

Unless all 209 congeners are calibrated, any reported total for a chlorination level will have some inherent variability. The differences noted for the Total Homologue values are within the variability of the method, thus no action was taken.

### **III. Overall Assessment**

As was determined by this evaluation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the surrogate, LCS, and SRM recovery values, with the exceptions noted above.

Data were qualified due to a continuing calibration percent difference outlier and a SRM outlier.

All data, as qualified, are acceptable for use.



# APPENDIX C

## BULLFROG TADPOLE DATA SHEETS.

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl7-BZ#187	.414 µg/Kg	.0663 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#146	.437 µg/Kg	.0753 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#149	.655 µg/Kg	.0964 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#151	.226 J µg/Kg	.160 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#153	2.23 µg/Kg	.137 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#156	.309 J µg/Kg	.0980 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#157	.226 J µg/Kg	.0769 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#158	.158 J µg/Kg	.0648 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#167	.113 J µg/Kg	.0829 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#169	.267 U µg/Kg	.267 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Hexachlorobiphenyls	9.33 µg/Kg	.267 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl7-BZ#170	.339 J µg/Kg	.310 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl7-BZ#174	.121 J µg/Kg	.0633 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#138	2.70 µg/Kg	.119 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl7-BZ#189	.119 U µg/Kg	.119 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl7-BZ#177	.151 J µg/Kg	.0889 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Heptachlorobiphenyls	2.19 µg/Kg	.310 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl8-BZ#194	.139 U µg/Kg	.139 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl8-BZ#195	.137 U µg/Kg	.137 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl8-BZ#201	.121 U µg/Kg	.121 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Octachlorobiphenyls	1.31 µg/Kg	.139 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl9-BZ#206	.161 U µg/Kg	.161 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Nonachlorobiphenyls	.161 U µg/Kg	.161 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl10-BZ#209	.0753 U µg/Kg	.0753 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Decachlorobiphenyl	.0753 U µg/Kg	.0753 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Total Homologues	67.0 µg/Kg	4.43 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Percent Lipids	2.8 %	0.10 %
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Monochlorobiphenyls	4.43 U µg/Kg	4.43 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl7-BZ#180	.490 J µg/Kg	.133 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#44	.618 J µg/Kg	.197 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#70	2.40 µg/Kg	.115 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#66	3.40 µg/Kg	.131 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#56	.889 µg/Kg	.0980 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#52	2.34 µg/Kg	.187 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#49	1.11 µg/Kg	.164 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#74	2.17 µg/Kg	.202 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#45	.264 U µg/Kg	.264 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Dichlorobiphenyls	.130 U µg/Kg	.130 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Trichlorobiphenyls	7.31 µg/Kg	2.08 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl3-BZ#31/#28	17.7 µg/Kg	2.08 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl3-BZ#18	2.38 µg/Kg	.288 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl6-BZ#128	.497 µg/Kg	.0829 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl2-BZ#8	.130 U µg/Kg	.130 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl7-BZ#183	.136 J µg/Kg	.0603 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#47	2.06 µg/Kg	.335 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#123	.104 U µg/Kg	.104 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#126	.0919 U µg/Kg	.0919 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#118	4.37 µg/Kg	.124 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#114	.0527 U µg/Kg	.0527 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#110	.377 J µg/Kg	.115 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#105	1.76 µg/Kg	.0588 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#101	2.05 µg/Kg	.121 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#95	.806 µg/Kg	.0618 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#87	.979 µg/Kg	.0799 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Tetrachlorobiphenyls	24.4 µg/Kg	.335 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#81	.179 U µg/Kg	.179 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl4-BZ#77	.181 U µg/Kg	.181 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Cl5-BZ#99	1.87 µg/Kg	.0422 µg/Kg
8/20/2003	BTC-001-001	614708	4782936	1	0312035-01	Pentachlorobiphenyls	22.4 µg/Kg	.124 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#151	.233 J µg/Kg	.154 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl7-BZ#177	.131 J µg/Kg	.0859 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl7-BZ#174	.109 J µg/Kg	.0612 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl7-BZ#170	.300 U µg/Kg	.300 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Hexachlorobiphenyls	9.12 µg/Kg	.258 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#169	.258 U µg/Kg	.258 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#167	.0801 J µg/Kg	.0801 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#158	.102 J µg/Kg	.0626 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#157	.262 J µg/Kg	.0743 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#153	1.84 µg/Kg	.132 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#149	.553 µg/Kg	.0932 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

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<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl7-BZ#180	.502 J µg/Kg	.128 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Octachlorobiphenyls	1.08 µg/Kg	.134 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#146	.364 µg/Kg	.0728 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#156	.182 J µg/Kg	.0946 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl7-BZ#183	.0874 J µg/Kg	.0582 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl7-BZ#189	.115 U µg/Kg	.115 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl7-BZ#187	.299 J µg/Kg	.0641 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Heptachlorobiphenyls	3.17 µg/Kg	.300 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl8-BZ#194	.134 U µg/Kg	.134 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Percent Lipids	2.2 %	0.10 %
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl8-BZ#201	.116 U µg/Kg	.116 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#138	2.14 µg/Kg	.115 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl9-BZ#206	.156 U µg/Kg	.156 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Nonachlorobiphenyls	.156 U µg/Kg	.156 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl10-BZ#209	.0728 U µg/Kg	.0728 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Decachlorobiphenyl	.0728 U µg/Kg	.0728 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Total Homologues	69.9 µg/Kg	4.28 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#70	1.81 µg/Kg	.111 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl8-BZ#195	.132 U µg/Kg	.132 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl2-BZ#8	.125 U µg/Kg	.125 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#77	.175 U µg/Kg	.175 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Monochlorobiphenyls	4.28 U µg/Kg	4.28 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl6-BZ#128	.408 µg/Kg	.0801 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Dichlorobiphenyls	.125 U µg/Kg	.125 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl3-BZ#18	2.88 µg/Kg	.278 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl3-BZ#31/#28	28.1 µg/Kg	2.00 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Trichlorobiphenyls	7.26 µg/Kg	2.00 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#44	.495 J µg/Kg	.191 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#45	.255 U µg/Kg	.255 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#47	1.81 µg/Kg	.323 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#49	.939 µg/Kg	.159 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#52	1.91 µg/Kg	.181 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#56	.371 J µg/Kg	.0946 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#66	2.18 µg/Kg	.127 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#123	.101 U µg/Kg	.101 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#74	1.43 µg/Kg	.195 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#126	.0888 U µg/Kg	.0888 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#118	3.43 µg/Kg	.119 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#114	.0510 U µg/Kg	.0510 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#110	.328 J µg/Kg	.111 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#105	1.29 µg/Kg	.0568 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#101	1.59 µg/Kg	.116 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#95	.481 µg/Kg	.0597 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#87	.772 µg/Kg	.0772 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Tetrachlorobiphenyls	26.6 µg/Kg	.323 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl4-BZ#81	.173 U µg/Kg	.173 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Cl5-BZ#99	1.43 µg/Kg	.0408 µg/Kg
8/20/2003	BTC-001-002	614708	4782936	1	0312035-02	Pentachlorobiphenyls	22.7 µg/Kg	.119 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#156	.132 J µg/Kg	.0906 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl7-BZ#177	.0837 J µg/Kg	.0823 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl7-BZ#174	.119 J µg/Kg	.0586 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl7-BZ#170	.287 U µg/Kg	.287 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Hexachlorobiphenyls	5.52 µg/Kg	.247 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#169	.247 U µg/Kg	.247 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#167	.112 J µg/Kg	.0767 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#149	.328 J µg/Kg	.0892 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#157	.209 J µg/Kg	.0711 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#153	1.15 µg/Kg	.127 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl7-BZ#180	.265 J µg/Kg	.123 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#151	.160 J µg/Kg	.148 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl9-BZ#206	.149 U µg/Kg	.149 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#158	.0600 U µg/Kg	.0600 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl7-BZ#183	.0558 U µg/Kg	.0558 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl7-BZ#189	.110 U µg/Kg	.110 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl7-BZ#187	.230 J µg/Kg	.0614 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Heptachlorobiphenyls	2.05 µg/Kg	.287 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl8-BZ#194	.128 U µg/Kg	.128 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl8-BZ#195	.127 U µg/Kg	.127 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Percent Lipids	1.9 %	0.10 %
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Octachlorobiphenyls	1.10 µg/Kg	.128 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

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J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Nonachlorobiphenyls	.149 U µg/Kg	.149 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl10-BZ#209	.0697 U µg/Kg	.0697 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Decachlorobiphenyl	.0697 U µg/Kg	.0697 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Total Homologues	47.7 µg/Kg	4.10 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#146	.237 J µg/Kg	.0697 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Pentachlorobiphenyls	14.8 µg/Kg	.114 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl8-BZ#201	.112 U µg/Kg	.112 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#44	.307 J µg/Kg	.183 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#70	1.31 µg/Kg	.106 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#66	1.92 µg/Kg	.121 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#56	.551 µg/Kg	.0906 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#52	1.35 µg/Kg	.173 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#49	.641 J µg/Kg	.152 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#74	1.22 µg/Kg	.187 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#45	.244 U µg/Kg	.244 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Dichlorobiphenyls	.120 U µg/Kg	.120 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Trichlorobiphenyls	4.09 µg/Kg	1.92 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl3-BZ#31/#28	21.5 µg/Kg	1.92 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl3-BZ#18	2.63 µg/Kg	.266 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl2-BZ#8	.120 U µg/Kg	.120 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#138	1.36 µg/Kg	.110 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl6-BZ#128	.174 J µg/Kg	.0767 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#47	1.62 µg/Kg	.310 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#114	.0488 U µg/Kg	.0488 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Monochlorobiphenyls	4.10 U µg/Kg	4.10 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#77	.167 U µg/Kg	.167 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#118	2.37 µg/Kg	.114 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#126	.0851 U µg/Kg	.0851 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#110	.188 J µg/Kg	.106 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#105	.913 µg/Kg	.0544 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#101	1.23 µg/Kg	.112 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#99	1.11 µg/Kg	.0390 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#95	.321 µg/Kg	.0572 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#87	.544 µg/Kg	.0739 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Tetrachlorobiphenyls	20.2 µg/Kg	.310 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis



**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl4-BZ#81	.166 U µg/Kg	.166 µg/Kg
8/20/2003	BTC-001-003	614708	4782936	1	0312035-03	Cl5-BZ#123	.0962 U µg/Kg	.0962 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl7-BZ#174	.0844 U µg/Kg	.0844 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl7-BZ#170	.414 U µg/Kg	.414 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Hexachlorobiphenyls	9.27 µg/Kg	.356 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#169	.356 U µg/Kg	.356 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#167	.120 J µg/Kg	.111 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#158	.0864 U µg/Kg	.0864 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#157	1.08 µg/Kg	.102 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#156	.171 J µg/Kg	.131 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#153	1.37 µg/Kg	.183 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#151	.213 U µg/Kg	.213 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#146	.281 J µg/Kg	.100 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl8-BZ#201	.161 U µg/Kg	.161 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#138	1.61 µg/Kg	.159 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#149	.422 J µg/Kg	.129 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl7-BZ#180	.331 J µg/Kg	.177 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Percent Lipids	2.0 %	0.10 %
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl7-BZ#189	.159 U µg/Kg	.159 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl7-BZ#187	.231 J µg/Kg	.0884 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Heptachlorobiphenyls	2.23 µg/Kg	.414 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Total Homologues	97.9 µg/Kg	5.91 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl8-BZ#195	.183 U µg/Kg	.183 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Octachlorobiphenyls	2.36 µg/Kg	.185 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl9-BZ#206	.215 U µg/Kg	.215 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Nonachlorobiphenyls	.215 U µg/Kg	.215 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl10-BZ#209	.100 U µg/Kg	.100 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Decachlorobiphenyl	.100 U µg/Kg	.100 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl6-BZ#128	.221 J µg/Kg	.111 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl7-BZ#177	.119 U µg/Kg	.119 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl8-BZ#194	.185 U µg/Kg	.185 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#47	1.80 J µg/Kg	.446 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl7-BZ#183	.0804 U µg/Kg	.0804 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl2-BZ#8	.173 U µg/Kg	.173 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Dichlorobiphenyls	.173 U µg/Kg	.173 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl3-BZ#18	2.10 J µg/Kg	.384 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl3-BZ#31/#28	31.5 µg/Kg	2.77 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Trichlorobiphenyls	7.44 µg/Kg	2.77 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Pentachlorobiphenyls	49.0 µg/Kg	.165 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#45	.352 U µg/Kg	.352 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Monochlorobiphenyls	5.91 U µg/Kg	5.91 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#49	.874 J µg/Kg	.219 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#52	1.70 µg/Kg	.249 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#56	.643 J µg/Kg	.131 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#66	2.21 µg/Kg	.175 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#70	1.62 µg/Kg	.153 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#110	.271 J µg/Kg	.153 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#126	.123 U µg/Kg	.123 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#44	.502 J µg/Kg	.263 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#74	1.34 J µg/Kg	.269 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#123	.139 U µg/Kg	.139 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#114	.0703 U µg/Kg	.0703 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#105	.834 µg/Kg	.0783 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#101	1.44 µg/Kg	.161 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#99	1.34 µg/Kg	.0562 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#95	.593 µg/Kg	.0824 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#87	.603 µg/Kg	.106 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Tetrachlorobiphenyls	27.7 µg/Kg	.446 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#81	.239 U µg/Kg	.239 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl4-BZ#77	.241 U µg/Kg	.241 µg/Kg
8/20/2003	BTC-001-004	614708	4782936	1	0312036-01	Cl5-BZ#118	2.82 µg/Kg	.165 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#146	.579 µg/Kg	.103 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#169	.366 U µg/Kg	.366 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl7-BZ#177	.134 J µg/Kg	.122 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl7-BZ#174	.176 J µg/Kg	.0868 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl7-BZ#170	.569 J µg/Kg	.426 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Hexachlorobiphenyls	13.7 µg/Kg	.366 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#167	.114 J µg/Kg	.114 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#158	.186 J µg/Kg	.0889 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#157	.320 J µg/Kg	.105 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on wet weight basis

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**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#156	.269 J µg/Kg	.134 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#153	2.98 µg/Kg	.188 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#149	1.00 µg/Kg	.132 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#151	.310 J µg/Kg	.219 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl8-BZ#201	.165 U µg/Kg	.165 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#70	2.92 µg/Kg	.157 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Total Homologues	98.9 µg/Kg	6.08 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#138	3.50 µg/Kg	.163 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl10-BZ#209	.103 U µg/Kg	.103 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Nonachlorobiphenyls	.221 U µg/Kg	.221 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Decachlorobiphenyl	.103 U µg/Kg	.103 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Octachlorobiphenyls	1.17 µg/Kg	.190 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl7-BZ#180	.796 J µg/Kg	.182 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl8-BZ#195	.188 U µg/Kg	.188 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl8-BZ#194	.190 U µg/Kg	.190 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Heptachlorobiphenyls	2.82 µg/Kg	.426 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl7-BZ#187	.507 µg/Kg	.0910 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl7-BZ#189	.163 U µg/Kg	.163 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl7-BZ#183	.155 J µg/Kg	.0827 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl9-BZ#206	.221 U µg/Kg	.221 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#74	2.27 µg/Kg	.277 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Percent Lipids	3.4 %	0.10 %
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Monochlorobiphenyls	6.08 U µg/Kg	6.08 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl2-BZ#8	.178 U µg/Kg	.178 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Dichlorobiphenyls	.178 U µg/Kg	.178 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl3-BZ#18	2.81 J µg/Kg	.395 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl3-BZ#31/#28	36.1 µg/Kg	2.85 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Trichlorobiphenyls	9.32 µg/Kg	2.85 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#44	.806 J µg/Kg	.271 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#45	.362 U µg/Kg	.362 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#47	3.04 µg/Kg	.459 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#49	1.63 µg/Kg	.225 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#52	3.04 µg/Kg	.256 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#77	.248 U µg/Kg	.248 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#66	3.94 µg/Kg	.180 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl6-BZ#128	.631 µg/Kg	.114 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#81	.246 U µg/Kg	.246 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Tetrachlorobiphenyls	36.9 µg/Kg	.459 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#87	1.42 µg/Kg	.110 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#95	1.03 µg/Kg	.0848 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#99	2.45 µg/Kg	.0579 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#101	3.13 µg/Kg	.165 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#105	1.61 µg/Kg	.0806 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#110	.806 µg/Kg	.157 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#114	.0724 U µg/Kg	.0724 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#118	5.55 µg/Kg	.170 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#123	.143 U µg/Kg	.143 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl5-BZ#126	.126 U µg/Kg	.126 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Pentachlorobiphenyls	35.0 µg/Kg	.170 µg/Kg
8/20/2003	BTC-001-005	614708	4782936	1	0312036-02	Cl4-BZ#56	.951 µg/Kg	.134 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl7-BZ#180	.567 J µg/Kg	.128 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#138	4.28 µg/Kg	.115 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#146	.531 µg/Kg	.0728 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#149	2.34 µg/Kg	.0931 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#151	.495 J µg/Kg	.154 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#153	2.82 µg/Kg	.132 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#156	.407 J µg/Kg	.0946 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#157	.102 J µg/Kg	.0742 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#158	.356 µg/Kg	.0626 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#167	.138 J µg/Kg	.0800 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl6-BZ#169	.258 U µg/Kg	.258 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Hexachlorobiphenyls	17.5 µg/Kg	.258 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl7-BZ#170	.517 J µg/Kg	.300 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Total Homologues	108. µg/Kg	4.28 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl7-BZ#177	.124 J µg/Kg	.0859 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl5-BZ#126	.0888 U µg/Kg	.0888 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl7-BZ#183	.146 J µg/Kg	.0582 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl7-BZ#189	.115 U µg/Kg	.115 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl7-BZ#187	.335 µg/Kg	.0640 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Heptachlorobiphenyls	2.26 µg/Kg	.300 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C18-BZ#194	.134 U µg/Kg	.134 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C18-BZ#195	.132 U µg/Kg	.132 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C18-BZ#201	.116 U µg/Kg	.116 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Octachlorobiphenyls	.567 µg/Kg	.134 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C19-BZ#206	.156 U µg/Kg	.156 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Nonachlorobiphenyls	.156 U µg/Kg	.156 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C110-BZ#209	.0728 U µg/Kg	.0728 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Decachlorobiphenyl	.0728 U µg/Kg	.0728 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C17-BZ#174	.226 J µg/Kg	.0611 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#74	1.77 µg/Kg	.195 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Monochlorobiphenyls	4.28 U µg/Kg	4.28 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C12-BZ#8	.125 U µg/Kg	.125 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Dichlorobiphenyls	.125 U µg/Kg	.125 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C13-BZ#18	1.06 J µg/Kg	.278 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C13-BZ#31/#28	21.6 µg/Kg	2.00 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Trichlorobiphenyls	7.73 µg/Kg	2.00 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#44	1.42 µg/Kg	.191 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#45	.255 U µg/Kg	.255 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#47	2.37 µg/Kg	.323 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#49	1.28 µg/Kg	.159 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#52	2.63 µg/Kg	.180 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#56	1.39 µg/Kg	.0946 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C16-BZ#128	.837 µg/Kg	.0800 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#70	3.31 µg/Kg	.111 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Pentachlorobiphenyls	46.0 µg/Kg	.119 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#77	.175 U µg/Kg	.175 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C14-BZ#81	.173 U µg/Kg	.173 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Tetrachlorobiphenyls	33.8 µg/Kg	.323 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C15-BZ#87	2.85 µg/Kg	.0771 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C15-BZ#95	3.37 µg/Kg	.0597 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C15-BZ#99	2.21 µg/Kg	.0407 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C15-BZ#101	5.87 µg/Kg	.116 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C15-BZ#105	2.12 µg/Kg	.0567 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C15-BZ#110	4.62 µg/Kg	.111 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	C15-BZ#114	.0509 U µg/Kg	.0509 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl5-BZ#118	5.40 µg/Kg	.119 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl5-BZ#123	.100 U µg/Kg	.100 µg/Kg
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Percent Lipids	1.6 %	0.10 %
8/20/2003	BTC-001-006	614708	4782936	1	0312036-03	Cl4-BZ#66	2.75 µg/Kg	.127 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#66	1.54 µg/Kg	.167 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Pentachlorobiphenyls	15.4 µg/Kg	.157 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#126	.117 U µg/Kg	.117 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#123	.132 U µg/Kg	.132 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#118	2.18 µg/Kg	.157 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#114	.0670 U µg/Kg	.0670 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#110	.564 J µg/Kg	.145 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#105	.660 µg/Kg	.0746 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#101	1.40 µg/Kg	.153 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#99	1.13 µg/Kg	.0536 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#95	.402 µg/Kg	.0785 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl5-BZ#87	.632 µg/Kg	.101 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Tetrachlorobiphenyls	29.3 µg/Kg	.425 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#128	.306 J µg/Kg	.105 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#70	1.41 µg/Kg	.145 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#81	.228 U µg/Kg	.228 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#56	.450 J µg/Kg	.124 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#52	1.54 µg/Kg	.237 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#49	.928 J µg/Kg	.209 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#47	1.98 J µg/Kg	.425 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#45	.335 U µg/Kg	.335 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#44	.641 J µg/Kg	.251 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Trichlorobiphenyls	14.3 µg/Kg	2.64 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl3-BZ#31/#28	20.3 µg/Kg	2.64 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl3-BZ#18	1.02 J µg/Kg	.366 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Dichlorobiphenyls	.165 U µg/Kg	.165 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl2-BZ#8	.165 U µg/Kg	.165 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Monochlorobiphenyls	5.63 U µg/Kg	5.63 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#77	.230 U µg/Kg	.230 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Decachlorobiphenyl	.0957 U µg/Kg	.0957 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl4-BZ#74	.947 J µg/Kg	.256 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Total Homologues	70.7 µg/Kg	5.63 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#138	1.50 µg/Kg	.151 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl10-BZ#209	.0957 U µg/Kg	.0957 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Nonachlorobiphenyls	.205 U µg/Kg	.205 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl9-BZ#206	.205 U µg/Kg	.205 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Octachlorobiphenyls	.176 U µg/Kg	.176 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl8-BZ#201	.153 U µg/Kg	.153 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl8-BZ#195	.174 U µg/Kg	.174 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl8-BZ#194	.176 U µg/Kg	.176 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Heptachlorobiphenyls	4.75 µg/Kg	.394 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl7-BZ#187	.287 J µg/Kg	.0842 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl7-BZ#189	.151 U µg/Kg	.151 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl7-BZ#183	.0765 U µg/Kg	.0765 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#151	.203 U µg/Kg	.203 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Percent Lipids	1.4 %	0.10 %
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl7-BZ#180	.402 J µg/Kg	.168 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#149	.526 J µg/Kg	.123 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#153	1.30 µg/Kg	.174 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#156	.163 J µg/Kg	.124 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#157	.134 J µg/Kg	.0976 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#158	.0823 U µg/Kg	.0823 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#169	.339 U µg/Kg	.339 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Hexachlorobiphenyls	6.99 µg/Kg	.339 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl7-BZ#170	.394 U µg/Kg	.394 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl7-BZ#174	.0804 U µg/Kg	.0804 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl7-BZ#177	.113 U µg/Kg	.113 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#167	.105 U µg/Kg	.105 µg/Kg
8/20/2003	BTC-001-007	614708	4782936	1	0312036-04	Cl6-BZ#146	.239 J µg/Kg	.0957 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl5-BZ#114	.827 µg/Kg	.0482 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl4-BZ#81	.164 U µg/Kg	.164 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Tetrachlorobiphenyls	738. µg/Kg	.306 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl5-BZ#87	21.4 µg/Kg	.0730 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl5-BZ#95	37.7 µg/Kg	.0565 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl5-BZ#126	.0841 U µg/Kg	.0841 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl5-BZ#99	30.0 µg/Kg	.0386 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI5-BZ#123	.0951 U µg/Kg	.0951 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI5-BZ#101	47.4 µg/Kg	.110 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI5-BZ#110	10.7 µg/Kg	.105 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI5-BZ#118	34.8 µg/Kg	.113 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#77	.165 U µg/Kg	.165 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#44	31.6 µg/Kg	.181 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI5-BZ#105	10.1 µg/Kg	.0537 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#74	39.6 µg/Kg	.185 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#70	27.2 µg/Kg	.105 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#66	40.7 µg/Kg	.120 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#56	12.3 µg/Kg	.0896 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#52	170. µg/Kg	.171 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#49	102. µg/Kg	.150 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#45	2.30 µg/Kg	.241 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Trichlorobiphenyls	291. µg/Kg	1.90 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI3-BZ#31/#28	192. µg/Kg	1.90 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI3-BZ#18	7.63 µg/Kg	.263 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Dichlorobiphenyls	32.0 µg/Kg	.119 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI2-BZ#8	2.94 µg/Kg	.119 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI6-BZ#138	36.1 µg/Kg	.109 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Pentachlorobiphenyls	355. µg/Kg	.113 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI4-BZ#47	91.5 µg/Kg	.306 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI8-BZ#201	3.60 µg/Kg	.110 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI7-BZ#180	8.21 µg/Kg	.121 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI7-BZ#183	2.45 µg/Kg	.0551 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI7-BZ#189	.227 J µg/Kg	.109 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI7-BZ#187	10.5 µg/Kg	.0606 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Heptachlorobiphenyls	37.0 µg/Kg	.284 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI7-BZ#177	3.22 µg/Kg	.0813 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI8-BZ#195	.758 µg/Kg	.125 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI10-BZ#209	.386 µg/Kg	.0689 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Octachlorobiphenyls	10.3 µg/Kg	.127 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	CI9-BZ#206	1.78 µg/Kg	.147 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Nonachlorobiphenyls	7.10 µg/Kg	.147 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Decachlorobiphenyl	.386 µg/Kg	.0689 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis



**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Monochlorobiphenyls	4.73 J µg/Kg	4.05 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#128	5.06 µg/Kg	.0758 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl8-BZ#194	2.35 µg/Kg	.127 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#153	24.2 µg/Kg	.125 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Total Homologues	1620. µg/Kg	4.05 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#146	7.50 µg/Kg	.0689 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl7-BZ#174	3.06 µg/Kg	.0579 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#151	10.0 µg/Kg	.146 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Percent Lipids	1.3 %	0.10 %
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#156	2.80 µg/Kg	.0896 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#157	.696 µg/Kg	.0703 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#158	1.81 µg/Kg	.0593 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#167	1.12 µg/Kg	.0758 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#169	.244 U µg/Kg	.244 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Hexachlorobiphenyls	150. µg/Kg	.244 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl7-BZ#170	5.40 µg/Kg	.284 µg/Kg
8/21/2003	BTC-003-001	615436	4778442	3	0312035-04	Cl6-BZ#149	19.6 µg/Kg	.0882 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl7-BZ#174	1.29 µg/Kg	.126 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl7-BZ#170	2.04 J µg/Kg	.618 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Hexachlorobiphenyls	59.1 µg/Kg	.531 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#169	.531 U µg/Kg	.531 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#167	.450 J µg/Kg	.165 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#158	.705 µg/Kg	.129 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#157	.153 U µg/Kg	.153 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#156	.195 U µg/Kg	.195 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#153	8.95 µg/Kg	.273 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Total Homologues	707. µg/Kg	8.82 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#149	7.81 µg/Kg	.192 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl8-BZ#195	.315 J µg/Kg	.273 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#146	2.73 µg/Kg	.150 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#151	4.06 µg/Kg	.318 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl7-BZ#177	1.36 µg/Kg	.177 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Decachlorobiphenyl	.315 J µg/Kg	.150 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl7-BZ#180	3.57 µg/Kg	.264 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl7-BZ#183	.930 µg/Kg	.120 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl7-BZ#189	.237 U µg/Kg	.237 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl7-BZ#187	4.27 µg/Kg	.132 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl8-BZ#194	1.12 J µg/Kg	.276 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl8-BZ#201	1.35 µg/Kg	.240 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Octachlorobiphenyls	6.22 µg/Kg	.276 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl9-BZ#206	.870 J µg/Kg	.321 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Nonachlorobiphenyls	11.6 µg/Kg	.321 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl10-BZ#209	.315 J µg/Kg	.150 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#138	12.9 µg/Kg	.237 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#70	12.2 µg/Kg	.228 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Heptachlorobiphenyls	19.5 µg/Kg	.618 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#74	12.2 µg/Kg	.402 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Percent Lipids	1.2 %	0.10 %
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Monochlorobiphenyls	8.82 U µg/Kg	8.82 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl2-BZ#8	.258 U µg/Kg	.258 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Dichlorobiphenyls	40.0 µg/Kg	.258 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl3-BZ#18	7.14 µg/Kg	.573 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl3-BZ#31/#28	51.5 µg/Kg	4.13 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Trichlorobiphenyls	120. µg/Kg	4.13 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#44	12.4 µg/Kg	.393 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#45	2.52 J µg/Kg	.525 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#47	34.3 µg/Kg	.666 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#49	35.8 µg/Kg	.327 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#52	55.5 µg/Kg	.372 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#77	.360 U µg/Kg	.360 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#66	14.2 µg/Kg	.261 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Pentachlorobiphenyls	154. µg/Kg	.246 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#81	.357 U µg/Kg	.357 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Tetrachlorobiphenyls	297. µg/Kg	.666 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#87	7.95 µg/Kg	.159 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#95	15.8 µg/Kg	.123 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#99	10.1 µg/Kg	.0840 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#101	18.7 µg/Kg	.240 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#105	3.57 µg/Kg	.117 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#110	7.21 µg/Kg	.228 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#114	.105 U µg/Kg	.105 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#118	11.7 µg/Kg	.246 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#123	.207 U µg/Kg	.207 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl5-BZ#126	.183 U µg/Kg	.183 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl4-BZ#56	7.11 µg/Kg	.195 µg/Kg
8/21/2003	BTC-003-002	615436	4778442	3	0312035-05	Cl6-BZ#128	2.05 µg/Kg	.165 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl7-BZ#183	.581 µg/Kg	.0683 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#138	7.24 µg/Kg	.135 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#146	1.52 µg/Kg	.0854 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#149	5.14 µg/Kg	.109 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#151	2.38 µg/Kg	.181 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#153	4.85 µg/Kg	.155 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#156	.427 J µg/Kg	.111 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#157	.188 J µg/Kg	.0871 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#158	.419 µg/Kg	.0735 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#167	.265 J µg/Kg	.0940 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#169	.302 U µg/Kg	.302 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Hexachlorobiphenyls	36.6 µg/Kg	.302 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Percent Lipids	.82 %	0.10 %
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl7-BZ#180	2.00 µg/Kg	.150 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl7-BZ#170	1.33 J µg/Kg	.352 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl7-BZ#189	.135 U µg/Kg	.135 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl7-BZ#187	2.54 µg/Kg	.0752 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Heptachlorobiphenyls	11.9 µg/Kg	.352 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl8-BZ#194	.641 J µg/Kg	.157 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl8-BZ#195	.179 J µg/Kg	.155 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl8-BZ#201	.940 µg/Kg	.137 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Octachlorobiphenyls	3.48 µg/Kg	.157 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl9-BZ#206	.701 J µg/Kg	.183 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Nonachlorobiphenyls	6.32 µg/Kg	.183 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl10-BZ#209	.214 J µg/Kg	.0854 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Decachlorobiphenyl	.214 J µg/Kg	.0854 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Total Homologues	501. µg/Kg	5.02 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Monochlorobiphenyls	5.02 U µg/Kg	5.02 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl7-BZ#174	.735 µg/Kg	.0718 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#45	1.79 µg/Kg	.299 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#74	8.31 µg/Kg	.229 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#70	7.14 µg/Kg	.130 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#66	8.64 µg/Kg	.149 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#56	3.64 µg/Kg	.111 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#52	38.5 µg/Kg	.212 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#77	.205 U µg/Kg	.205 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#47	24.6 µg/Kg	.379 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl3-BZ#18	6.33 µg/Kg	.326 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#44	9.06 µg/Kg	.224 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Trichlorobiphenyls	93.2 µg/Kg	2.35 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl3-BZ#31/#28	39.1 µg/Kg	2.35 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl6-BZ#128	1.06 µg/Kg	.0940 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Dichlorobiphenyls	22.6 µg/Kg	.147 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl7-BZ#177	.837 µg/Kg	.101 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#49	27.2 µg/Kg	.186 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#114	.0598 U µg/Kg	.0598 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl2-BZ#8	3.99 µg/Kg	.147 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#126	.104 U µg/Kg	.104 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#118	6.90 µg/Kg	.140 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Pentachlorobiphenyls	96.4 µg/Kg	.140 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#110	6.48 µg/Kg	.130 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#105	1.96 µg/Kg	.0666 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#101	11.6 µg/Kg	.137 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#99	6.16 µg/Kg	.0478 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#95	10.7 µg/Kg	.0701 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#87	4.45 µg/Kg	.0906 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Tetrachlorobiphenyls	227. µg/Kg	.379 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl4-BZ#81	.203 U µg/Kg	.203 µg/Kg
8/21/2003	BTC-003-003	615436	4778442	3	0312035-06	Cl5-BZ#123	.118 U µg/Kg	.118 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl5-BZ#105	39.1 µg/Kg	.137 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Tetrachlorobiphenyls	1450. µg/Kg	.780 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl5-BZ#87	68.8 µg/Kg	.186 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl5-BZ#95	119. µg/Kg	.144 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl5-BZ#99	57.5 µg/Kg	.0984 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C15-BZ#101	157. µg/Kg	.281 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C15-BZ#110	105. µg/Kg	.267 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C15-BZ#114	4.57 µg/Kg	.123 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C15-BZ#118	102. µg/Kg	.288 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C15-BZ#123	.243 U µg/Kg	.243 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#81	.418 U µg/Kg	.418 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Monochlorobiphenyls	12.7 J µg/Kg	10.3 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#45	8.64 µg/Kg	.615 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C15-BZ#126	.214 U µg/Kg	.214 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#77	.422 U µg/Kg	.422 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#74	52.7 µg/Kg	.471 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#70	82.4 µg/Kg	.267 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#66	72.5 µg/Kg	.306 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#56	36.5 µg/Kg	.228 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#52	262. µg/Kg	.436 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#47	186. µg/Kg	.780 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C16-BZ#128	17.6 µg/Kg	.193 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#44	54.9 µg/Kg	.460 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Trichlorobiphenyls	657. µg/Kg	4.84 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C13-BZ#31/#28	318. µg/Kg	4.84 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C13-BZ#18	30.4 J µg/Kg	.671 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Dichlorobiphenyls	116. µg/Kg	.302 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C12-BZ#8	16.2 µg/Kg	.302 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C14-BZ#49	177. µg/Kg	.383 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Total Homologues	4000. µg/Kg	10.3 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Pentachlorobiphenyls	1220. µg/Kg	.288 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Percent Lipids	2.1 %	0.10 %
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Decachlorobiphenyl	.334 J µg/Kg	.176 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C110-BZ#209	.334 J µg/Kg	.176 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Nonachlorobiphenyls	9.91 µg/Kg	.376 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C19-BZ#206	2.30 µg/Kg	.376 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Octachlorobiphenyls	15.6 µg/Kg	.323 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C18-BZ#201	4.85 µg/Kg	.281 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C18-BZ#195	.984 J µg/Kg	.320 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	C18-BZ#194	3.29 µg/Kg	.323 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Heptachlorobiphenyls	66.7 µg/Kg	.724 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl7-BZ#187	18.2 µg/Kg	.155 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl7-BZ#189	.492 J µg/Kg	.278 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl7-BZ#183	4.29 µg/Kg	.141 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#156	8.10 µg/Kg	.228 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#138	102. µg/Kg	.278 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#149	65.9 µg/Kg	.225 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl7-BZ#180	14.6 µg/Kg	.309 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#153	58.1 µg/Kg	.320 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#146	16.6 µg/Kg	.176 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#157	2.14 µg/Kg	.179 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#158	6.47 µg/Kg	.151 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#167	2.50 µg/Kg	.193 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#169	.622 U µg/Kg	.622 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Hexachlorobiphenyls	453. µg/Kg	.622 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl7-BZ#170	10.8 µg/Kg	.724 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl7-BZ#174	7.03 µg/Kg	.148 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl7-BZ#177	6.31 µg/Kg	.207 µg/Kg
8/21/2003	BTC-003-004	615436	4778442	3	0312036-05	Cl6-BZ#151	26.5 µg/Kg	.373 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl7-BZ#174	15.9 µg/Kg	.165 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl7-BZ#170	22.4 µg/Kg	.811 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Hexachlorobiphenyls	754. µg/Kg	.697 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#169	.697 U µg/Kg	.697 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#167	3.82 µg/Kg	.217 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#158	6.97 µg/Kg	.169 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#157	2.34 µg/Kg	.201 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#156	8.31 µg/Kg	.256 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#153	114. µg/Kg	.358 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#151	68.4 µg/Kg	.417 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl7-BZ#177	19.2 µg/Kg	.232 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#146	45.6 µg/Kg	.197 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl8-BZ#201	20.1 µg/Kg	.315 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#149	86.8 µg/Kg	.252 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl7-BZ#180	40.5 µg/Kg	.347 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl7-BZ#183	11.7 µg/Kg	.157 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl7-BZ#189	.906 J µg/Kg	.311 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl7-BZ#187	52.2 µg/Kg	.173 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Heptachlorobiphenyls	176. µg/Kg	.811 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Total Homologues	9280. µg/Kg	11.6 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl8-BZ#195	4.12 µg/Kg	.358 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Octachlorobiphenyls	56.2 µg/Kg	.362 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl9-BZ#206	10.9 µg/Kg	.421 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Nonachlorobiphenyls	25.1 µg/Kg	.421 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl10-BZ#209	1.91 µg/Kg	.197 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Decachlorobiphenyl	1.91 µg/Kg	.197 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#138	156. µg/Kg	.311 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#70	142. µg/Kg	.299 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl8-BZ#194	13.0 µg/Kg	.362 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#74	111. µg/Kg	.528 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Percent Lipids	1.5 %	0.10 %
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl2-BZ#8	54.5 µg/Kg	.339 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Dichlorobiphenyls	775. µg/Kg	.339 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl3-BZ#18	81.9 µg/Kg	.752 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl3-BZ#31/#28	562. µg/Kg	5.42 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Trichlorobiphenyls	1450. µg/Kg	5.42 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#44	125. µg/Kg	.516 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#45	40.5 µg/Kg	.689 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#47	464. µg/Kg	.874 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#49	452. µg/Kg	.429 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#52	778. µg/Kg	.488 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#56	82.1 µg/Kg	.256 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#77	.472 U µg/Kg	.472 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Monochlorobiphenyls	179. µg/Kg	11.6 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl6-BZ#128	17.2 µg/Kg	.217 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#81	.469 U µg/Kg	.469 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Tetrachlorobiphenyls	3890. µg/Kg	.874 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#87	92.2 µg/Kg	.209 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#95	211. µg/Kg	.161 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#99	128. µg/Kg	.110 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#101	215. µg/Kg	.315 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#105	33.3 µg/Kg	.154 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#110	162. µg/Kg	.299 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#114	7.19 µg/Kg	.138 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#118	140. µg/Kg	.323 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#123	.272 U µg/Kg	.272 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl5-BZ#126	.240 U µg/Kg	.240 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Pentachlorobiphenyls	1980. µg/Kg	.323 µg/Kg
8/21/2003	BTC-004-001	615566	4778820	4	0312035-07	Cl4-BZ#66	141. µg/Kg	.343 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl7-BZ#183	5.33 µg/Kg	.0732 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Monochlorobiphenyls	56.5 µg/Kg	5.38 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#149	35.6 µg/Kg	.117 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#151	21.3 µg/Kg	.194 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#153	49.9 µg/Kg	.167 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#156	4.59 µg/Kg	.119 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#157	1.47 µg/Kg	.0933 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#158	4.49 µg/Kg	.0787 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#167	2.31 µg/Kg	.101 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#169	.324 U µg/Kg	.324 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Hexachlorobiphenyls	306. µg/Kg	.324 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl7-BZ#170	10.3 µg/Kg	.377 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl7-BZ#174	6.63 µg/Kg	.0769 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#138	69.9 µg/Kg	.145 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl7-BZ#180	19.1 µg/Kg	.161 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#128	9.22 µg/Kg	.101 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl7-BZ#189	.485 J µg/Kg	.145 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl7-BZ#187	19.4 µg/Kg	.0805 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Heptachlorobiphenyls	70.1 µg/Kg	.377 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl8-BZ#194	5.35 µg/Kg	.168 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl8-BZ#195	1.68 µg/Kg	.167 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl8-BZ#201	8.12 µg/Kg	.146 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Octachlorobiphenyls	22.5 µg/Kg	.168 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl9-BZ#206	4.74 µg/Kg	.196 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Nonachlorobiphenyls	16.4 µg/Kg	.196 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl10-BZ#209	1.16 µg/Kg	.0915 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Total Homologues	3750. µg/Kg	5.38 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis



**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Decachlorobiphenyl	1.16 µg/Kg	.0915 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl7-BZ#177	7.03 µg/Kg	.108 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#81	.218 U µg/Kg	.218 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Dichlorobiphenyls	290. µg/Kg	.157 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl3-BZ#18	24.2 µg/Kg	.350 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl3-BZ#31/#28	190. µg/Kg	2.52 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Trichlorobiphenyls	488. µg/Kg	2.52 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#44	48.6 µg/Kg	.240 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#45	13.0 µg/Kg	.320 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#47	161. µg/Kg	.406 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#49	131. µg/Kg	.199 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#52	252. µg/Kg	.227 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#56	63.3 µg/Kg	.119 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#66	108. µg/Kg	.159 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#70	78.4 µg/Kg	.139 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl6-BZ#146	15.6 µg/Kg	.0915 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#77	.220 U µg/Kg	.220 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Percent Lipids	.53 %	0.10 %
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Tetrachlorobiphenyls	1570. µg/Kg	.406 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#87	44.9 µg/Kg	.0970 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#95	75.1 µg/Kg	.0750 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#99	62.5 µg/Kg	.0512 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#101	95.4 µg/Kg	.146 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#105	28.8 µg/Kg	.0714 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#110	71.9 µg/Kg	.139 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#114	4.39 µg/Kg	.0640 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#118	92.3 µg/Kg	.150 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#123	.126 U µg/Kg	.126 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl5-BZ#126	.112 U µg/Kg	.112 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Pentachlorobiphenyls	932. µg/Kg	.150 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl4-BZ#74	89.3 µg/Kg	.245 µg/Kg
8/21/2003	BTC-004-002	615566	4778820	4	0312035-08	Cl2-BZ#8	16.3 µg/Kg	.157 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl7-BZ#177	9.17 µg/Kg	.133 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Decachlorobiphenyl	1.25 µg/Kg	.113 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#138	71.6 µg/Kg	.178 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#146	22.4 µg/Kg	.113 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#149	41.1 µg/Kg	.144 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#151	32.8 µg/Kg	.239 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#153	50.5 µg/Kg	.205 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#156	3.43 µg/Kg	.147 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#157	1.09 µg/Kg	.115 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#158	3.75 µg/Kg	.0969 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#167	1.70 µg/Kg	.124 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#169	.399 U µg/Kg	.399 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Hexachlorobiphenyls	358. µg/Kg	.399 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Percent Lipids	.87 %	0.10 %
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl7-BZ#174	7.18 µg/Kg	.0947 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl7-BZ#180	18.3 µg/Kg	.198 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl7-BZ#183	5.03 µg/Kg	.0902 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl7-BZ#189	.178 U µg/Kg	.178 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl7-BZ#187	25.0 µg/Kg	.0992 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Heptachlorobiphenyls	83.1 µg/Kg	.464 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl8-BZ#194	6.10 µg/Kg	.207 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl8-BZ#195	1.92 µg/Kg	.205 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl8-BZ#201	9.56 µg/Kg	.180 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Octachlorobiphenyls	33.9 µg/Kg	.207 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl9-BZ#206	5.09 µg/Kg	.241 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Nonachlorobiphenyls	12.1 µg/Kg	.241 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl10-BZ#209	1.25 µg/Kg	.113 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Dichlorobiphenyls	408. µg/Kg	.194 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl7-BZ#170	9.85 µg/Kg	.464 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#77	.271 U µg/Kg	.271 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl2-BZ#8	25.1 µg/Kg	.194 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Monochlorobiphenyls	106. µg/Kg	6.63 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl3-BZ#18	42.1 µg/Kg	.431 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl3-BZ#31/#28	298. µg/Kg	3.10 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Trichlorobiphenyls	806. µg/Kg	3.10 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#44	70.3 µg/Kg	.295 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#45	19.4 µg/Kg	.394 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#47	250. µg/Kg	.500 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
Version 2.0  
Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#49	210. µg/Kg	.246 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#52	395. µg/Kg	.280 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#56	39.3 µg/Kg	.147 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#66	64.5 µg/Kg	.196 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl6-BZ#128	7.60 µg/Kg	.124 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#74	50.4 µg/Kg	.302 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Total Homologues	4710. µg/Kg	6.63 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#81	.268 U µg/Kg	.268 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Tetrachlorobiphenyls	1970. µg/Kg	.500 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#87	45.3 µg/Kg	.119 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#95	104. µg/Kg	.0924 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#99	57.2 µg/Kg	.0631 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#101	102. µg/Kg	.180 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#105	14.6 µg/Kg	.0879 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#110	79.7 µg/Kg	.171 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#114	2.82 µg/Kg	.0789 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#118	62.5 µg/Kg	.185 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#123	.155 U µg/Kg	.155 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl5-BZ#126	.138 U µg/Kg	.138 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Pentachlorobiphenyls	934. µg/Kg	.185 µg/Kg
8/21/2003	BTC-004-003	615566	4778820	4	0312035-09	Cl4-BZ#70	87.1 µg/Kg	.171 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl7-BZ#177	5.92 µg/Kg	.126 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Total Homologues	2500. µg/Kg	6.29 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#138	39.1 µg/Kg	.169 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#146	12.2 µg/Kg	.107 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#149	22.8 µg/Kg	.137 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#151	19.0 µg/Kg	.227 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#153	28.3 µg/Kg	.195 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#156	1.78 µg/Kg	.139 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#157	1.09 µg/Kg	.109 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#158	2.01 µg/Kg	.0920 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#167	.749 µg/Kg	.118 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#169	.379 U µg/Kg	.379 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Hexachlorobiphenyls	204. µg/Kg	.379 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Pentachlorobiphenyls	499. µg/Kg	.175 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl7-BZ#174	4.98 µg/Kg	.0898 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#126	.131 U µg/Kg	.131 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl7-BZ#180	12.0 µg/Kg	.188 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl7-BZ#183	3.60 µg/Kg	.0856 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl7-BZ#189	.267 J µg/Kg	.169 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl7-BZ#187	15.9 µg/Kg	.0941 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Heptachlorobiphenyls	54.6 µg/Kg	.441 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl8-BZ#194	4.46 µg/Kg	.197 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl8-BZ#195	1.42 µg/Kg	.195 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl8-BZ#201	7.03 µg/Kg	.171 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Octachlorobiphenyls	21.3 µg/Kg	.197 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl9-BZ#206	5.24 µg/Kg	.229 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Nonachlorobiphenyls	15.4 µg/Kg	.229 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl10-BZ#209	1.30 µg/Kg	.107 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl7-BZ#170	6.05 µg/Kg	.441 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#74	23.7 µg/Kg	.287 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Monochlorobiphenyls	71.7 µg/Kg	6.29 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl2-BZ#8	17.1 µg/Kg	.184 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Dichlorobiphenyls	317. µg/Kg	.184 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl3-BZ#18	23.2 J µg/Kg	.409 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl3-BZ#31/#28	129. µg/Kg	2.94 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Trichlorobiphenyls	388. µg/Kg	2.94 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#44	25.4 µg/Kg	.280 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#45	10.5 µg/Kg	.374 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#47	116. µg/Kg	.475 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#49	92.1 µg/Kg	.233 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#52	182. µg/Kg	.265 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#56	13.9 µg/Kg	.139 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl6-BZ#128	4.02 µg/Kg	.118 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#70	32.2 µg/Kg	.163 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Percent Lipids	1.1 %	0.10 %
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#77	.257 U µg/Kg	.257 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#81	.255 U µg/Kg	.255 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Tetrachlorobiphenyls	926. µg/Kg	.475 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#87	22.2 µg/Kg	.113 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#95	55.0 µg/Kg	.0877 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#99	27.9 µg/Kg	.0599 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#101	52.2 µg/Kg	.171 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#105	6.52 µg/Kg	.0834 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#110	38.7 µg/Kg	.163 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#114	1.06 µg/Kg	.0749 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#118	29.6 µg/Kg	.175 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl5-BZ#123	.148 U µg/Kg	.148 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Cl4-BZ#66	32.7 µg/Kg	.186 µg/Kg
8/21/2003	BTC-004-004	615566	4778820	4	0312036-06	Decachlorobiphenyl	1.30 µg/Kg	.107 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl7-BZ#189	.519 J µg/Kg	.161 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl2-BZ#8	20.7 µg/Kg	.175 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#151	24.6 µg/Kg	.216 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#153	57.4 µg/Kg	.185 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#156	4.52 µg/Kg	.132 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#157	2.02 µg/Kg	.104 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#158	3.67 µg/Kg	.0875 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#167	1.79 µg/Kg	.112 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#169	.360 U µg/Kg	.360 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Hexachlorobiphenyls	341. µg/Kg	.360 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl7-BZ#170	12.1 µg/Kg	.419 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl7-BZ#174	8.21 µg/Kg	.0855 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl7-BZ#177	8.61 µg/Kg	.120 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#146	19.1 µg/Kg	.102 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl7-BZ#183	6.61 µg/Kg	.0814 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#138	75.4 µg/Kg	.161 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl7-BZ#187	25.4 µg/Kg	.0895 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Heptachlorobiphenyls	87.9 µg/Kg	.419 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl8-BZ#194	7.26 µg/Kg	.187 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl8-BZ#195	2.30 µg/Kg	.185 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl8-BZ#201	11.1 µg/Kg	.163 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Octachlorobiphenyls	32.9 µg/Kg	.187 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl9-BZ#206	6.99 µg/Kg	.218 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Nonachlorobiphenyls	16.4 µg/Kg	.218 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl10-BZ#209	1.53 µg/Kg	.102 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Decachlorobiphenyl	1.53 µg/Kg	.102 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Total Homologues	3810. µg/Kg	5.98 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Monochlorobiphenyls	116. µg/Kg	5.98 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl7-BZ#180	22.4 µg/Kg	.179 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#81	.242 U µg/Kg	.242 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Dichlorobiphenyls	409. µg/Kg	.175 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl3-BZ#18	30.6 J µg/Kg	.389 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl3-BZ#31/#28	176. µg/Kg	2.80 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Trichlorobiphenyls	526. µg/Kg	2.80 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#44	41.3 µg/Kg	.267 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#45	15.1 µg/Kg	.356 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#47	170. µg/Kg	.452 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#49	142. µg/Kg	.222 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#52	253. µg/Kg	.252 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#56	31.9 µg/Kg	.132 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#66	71.4 µg/Kg	.177 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#70	63.3 µg/Kg	.155 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#149	39.6 µg/Kg	.130 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#77	.244 U µg/Kg	.244 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Percent Lipids	1.0 %	0.10 %
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Tetrachlorobiphenyls	1400. µg/Kg	.452 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#87	41.5 µg/Kg	.108 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#95	77.0 µg/Kg	.0834 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#99	55.3 µg/Kg	.0570 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#101	97.9 µg/Kg	.163 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#105	18.9 µg/Kg	.0794 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#110	62.9 µg/Kg	.155 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#114	3.62 µg/Kg	.0712 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#118	74.2 µg/Kg	.167 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#123	.140 U µg/Kg	.140 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl5-BZ#126	.124 U µg/Kg	.124 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Pentachlorobiphenyls	878. µg/Kg	.167 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl6-BZ#128	9.74 µg/Kg	.112 µg/Kg
8/21/2003	BTC-004-005	615566	4778820	4	0312036-07	Cl4-BZ#74	58.3 µg/Kg	.273 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl7-BZ#177	.565 J µg/Kg	.128 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Percent Lipids	1.1 %	0.10 %
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#138	6.96 µg/Kg	.172 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#146	1.09 µg/Kg	.109 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#149	3.27 µg/Kg	.139 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#151	1.42 µg/Kg	.230 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#153	4.98 µg/Kg	.198 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#156	.510 J µg/Kg	.141 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#157	.152 J µg/Kg	.111 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#158	.424 J µg/Kg	.0934 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#167	.261 J µg/Kg	.119 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#169	.384 U µg/Kg	.384 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Hexachlorobiphenyls	28.4 µg/Kg	.384 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Pentachlorobiphenyls	88.3 µg/Kg	.178 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl7-BZ#174	.576 µg/Kg	.0912 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#126	.132 U µg/Kg	.132 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl7-BZ#180	1.55 µg/Kg	.191 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl7-BZ#183	.434 µg/Kg	.0869 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl7-BZ#189	.172 U µg/Kg	.172 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl7-BZ#187	1.79 µg/Kg	.0956 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Heptachlorobiphenyls	6.23 µg/Kg	.447 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl8-BZ#194	.510 J µg/Kg	.200 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl8-BZ#195	.206 J µg/Kg	.198 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl8-BZ#201	.890 µg/Kg	.174 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Octachlorobiphenyls	2.90 µg/Kg	.198 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl9-BZ#206	.793 J µg/Kg	.232 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Nonachlorobiphenyls	4.22 µg/Kg	.232 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl10-BZ#209	.261 J µg/Kg	.109 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl7-BZ#170	1.17 J µg/Kg	.447 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#74	9.62 µg/Kg	.291 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Monochlorobiphenyls	6.38 U µg/Kg	6.38 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl2-BZ#8	.187 U µg/Kg	.187 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Dichlorobiphenyls	13.8 µg/Kg	.187 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl3-BZ#18	1.49 J µg/Kg	.415 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl3-BZ#31/#28	18.6 µg/Kg	2.99 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Trichlorobiphenyls	48.4 µg/Kg	2.99 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#44	12.8 µg/Kg	.285 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#45	.814 J µg/Kg	.380 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#47	14.3 µg/Kg	.482 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#49	14.7 µg/Kg	.237 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#52	26.1 µg/Kg	.269 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#56	5.17 µg/Kg	.141 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl6-BZ#128	1.10 µg/Kg	.119 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#70	11.1 µg/Kg	.165 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Total Homologues	354. µg/Kg	6.38 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#77	.261 U µg/Kg	.261 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#81	.258 U µg/Kg	.258 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Tetrachlorobiphenyls	160. µg/Kg	.482 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#87	4.88 µg/Kg	.115 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#95	6.95 µg/Kg	.0890 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#99	6.74 µg/Kg	.0608 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#101	10.6 µg/Kg	.174 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#105	3.22 µg/Kg	.0847 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#110	4.86 µg/Kg	.165 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#114	.0760 U µg/Kg	.0760 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#118	9.43 µg/Kg	.178 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl5-BZ#123	.150 U µg/Kg	.150 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Cl4-BZ#66	16.0 µg/Kg	.189 µg/Kg
8/21/2003	BTC-005-001	609554	4754151	5	0312035-10	Decachlorobiphenyl	.261 J µg/Kg	.109 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl7-BZ#177	1.30 µg/Kg	.129 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#126	.133 U µg/Kg	.133 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Pentachlorobiphenyls	187. µg/Kg	.179 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#128	2.04 µg/Kg	.120 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#138	13.3 µg/Kg	.172 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#146	2.32 µg/Kg	.109 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#149	6.78 µg/Kg	.140 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#151	3.07 µg/Kg	.231 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#153	9.54 µg/Kg	.198 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#156	.937 µg/Kg	.142 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#157	1.21 µg/Kg	.111 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#167	.490 J µg/Kg	.120 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis



**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Hexachlorobiphenyls	58.7 µg/Kg	.386 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Percent Lipids	.63 %	0.10 %
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl7-BZ#174	1.30 µg/Kg	.0915 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#158	.490 µg/Kg	.0937 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl7-BZ#180	3.01 µg/Kg	.192 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl7-BZ#183	.774 µg/Kg	.0872 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl7-BZ#189	.172 U µg/Kg	.172 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl7-BZ#187	3.91 µg/Kg	.0959 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Heptachlorobiphenyls	12.2 µg/Kg	.449 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl8-BZ#194	.893 J µg/Kg	.200 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl8-BZ#195	.327 J µg/Kg	.198 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl8-BZ#201	1.71 µg/Kg	.174 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Octachlorobiphenyls	6.76 µg/Kg	.200 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl10-BZ#209	.359 J µg/Kg	.109 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Nonachlorobiphenyls	10.7 µg/Kg	.233 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl9-BZ#206	1.32 µg/Kg	.233 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl7-BZ#170	2.09 J µg/Kg	.449 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#49	32.9 µg/Kg	.237 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Monochlorobiphenyls	6.41 U µg/Kg	6.41 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl6-BZ#169	.386 U µg/Kg	.386 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#123	.150 U µg/Kg	.150 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Dichlorobiphenyls	32.4 µg/Kg	.187 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl3-BZ#18	1.78 J µg/Kg	.416 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl3-BZ#31/#28	32.6 µg/Kg	3.00 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Trichlorobiphenyls	76.6 µg/Kg	3.00 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#44	20.1 µg/Kg	.285 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#47	32.8 µg/Kg	.484 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl2-BZ#8	.187 U µg/Kg	.187 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#52	49.0 µg/Kg	.270 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#56	8.79 µg/Kg	.142 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#66	24.6 µg/Kg	.190 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#70	18.5 µg/Kg	.166 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#110	6.48 µg/Kg	.166 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#118	17.3 µg/Kg	.179 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Total Homologues	678. µg/Kg	6.41 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#45	1.20 J µg/Kg	.381 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#114	.0763 U µg/Kg	.0763 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#105	5.44 µg/Kg	.0850 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#101	19.6 µg/Kg	.174 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#99	11.6 µg/Kg	.0610 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#74	15.4 µg/Kg	.292 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#87	8.78 µg/Kg	.116 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Tetrachlorobiphenyls	290. µg/Kg	.484 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#81	.259 U µg/Kg	.259 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl4-BZ#77	.262 U µg/Kg	.262 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Decachlorobiphenyl	.359 J µg/Kg	.109 µg/Kg
8/21/2003	BTC-005-002	609554	4754151	5	0312035-11	Cl5-BZ#95	10.2 µg/Kg	.0893 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl7-BZ#174	.890 µg/Kg	.0923 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl7-BZ#170	1.55 J µg/Kg	.453 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Hexachlorobiphenyls	40.4 µg/Kg	.389 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#169	.389 U µg/Kg	.389 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#167	.297 J µg/Kg	.121 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#158	.560 µg/Kg	.0945 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#157	.341 J µg/Kg	.112 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#151	1.92 µg/Kg	.233 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#153	6.54 µg/Kg	.200 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Percent Lipids	.77 %	0.10 %
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl7-BZ#177	.791 µg/Kg	.130 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#156	.890 µg/Kg	.143 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl8-BZ#201	1.27 µg/Kg	.176 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Total Homologues	543. µg/Kg	6.46 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl3-BZ#18	2.99 J µg/Kg	.420 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#149	4.68 µg/Kg	.141 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Decachlorobiphenyl	.253 J µg/Kg	.110 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Nonachlorobiphenyls	8.65 µg/Kg	.235 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl10-BZ#209	.253 J µg/Kg	.110 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Octachlorobiphenyls	4.46 µg/Kg	.202 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl7-BZ#180	2.25 µg/Kg	.193 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl8-BZ#195	.253 J µg/Kg	.200 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl8-BZ#194	.725 J µg/Kg	.202 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Heptachlorobiphenyls	11.0 µg/Kg	.453 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl7-BZ#187	2.60 µg/Kg	.0967 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl7-BZ#189	.174 U µg/Kg	.174 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl7-BZ#183	.582 µg/Kg	.0879 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl9-BZ#206	1.35 µg/Kg	.235 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#81	.262 U µg/Kg	.262 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Monochlorobiphenyls	6.46 U µg/Kg	6.46 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl2-BZ#8	1.40 µg/Kg	.189 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Dichlorobiphenyls	64.6 µg/Kg	.189 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl3-BZ#31/#28	23.5 µg/Kg	3.03 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#44	11.2 µg/Kg	.288 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#45	1.27 J µg/Kg	.384 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#47	19.6 µg/Kg	.488 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#49	18.9 µg/Kg	.240 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#52	33.8 µg/Kg	.273 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#56	7.06 µg/Kg	.143 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#66	17.9 µg/Kg	.191 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#70	13.0 µg/Kg	.167 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Trichlorobiphenyls	73.0 µg/Kg	3.03 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#77	.264 U µg/Kg	.264 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#110	6.59 µg/Kg	.167 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#138	9.45 µg/Kg	.174 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#128	1.58 µg/Kg	.121 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Pentachlorobiphenyls	125. µg/Kg	.180 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#126	.134 U µg/Kg	.134 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#123	.152 U µg/Kg	.152 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl4-BZ#74	10.2 µg/Kg	.294 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#114	.648 µg/Kg	.0769 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl6-BZ#146	1.54 µg/Kg	.110 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#105	3.97 µg/Kg	.0857 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#101	13.7 µg/Kg	.176 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#99	7.95 µg/Kg	.0615 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#95	10.1 µg/Kg	.0901 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#87	6.24 µg/Kg	.116 µg/Kg
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Tetrachlorobiphenyls	212. µg/Kg	.488 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-005-003	609554	4754151	5	0312036-08	Cl5-BZ#118	11.2 µg/Kg	.180 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Pentachlorobiphenyls	303. µg/Kg	.163 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#70	36.2 µg/Kg	.151 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#138	23.8 µg/Kg	.157 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#123	.137 U µg/Kg	.137 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#118	34.3 µg/Kg	.163 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#114	1.23 µg/Kg	.0694 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#110	7.56 µg/Kg	.151 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#105	13.1 µg/Kg	.0774 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#101	35.4 µg/Kg	.159 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#99	21.9 µg/Kg	.0556 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#95	25.4 µg/Kg	.0814 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#87	15.0 µg/Kg	.105 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Tetrachlorobiphenyls	467. µg/Kg	.440 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#81	.236 U µg/Kg	.236 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Monochlorobiphenyls	5.83 U µg/Kg	5.83 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#74	30.3 µg/Kg	.266 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#128	3.80 µg/Kg	.109 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#66	53.3 µg/Kg	.173 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#56	15.6 µg/Kg	.129 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#52	81.5 µg/Kg	.246 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#49	48.6 µg/Kg	.216 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#47	49.3 µg/Kg	.440 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#45	1.03 J µg/Kg	.347 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#44	27.1 µg/Kg	.260 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Trichlorobiphenyls	142. µg/Kg	2.73 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl3-BZ#31/#28	67.3 µg/Kg	2.73 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl3-BZ#18	2.57 J µg/Kg	.379 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Dichlorobiphenyls	27.7 µg/Kg	.171 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl2-BZ#8	.774 J µg/Kg	.171 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl4-BZ#77	.238 U µg/Kg	.238 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl7-BZ#180	4.84 µg/Kg	.175 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Percent Lipids	1.1 %	0.10 %
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Decachlorobiphenyl	.268 J µg/Kg	.0992 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl10-BZ#209	.268 J µg/Kg	.0992 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
Version 2.0  
Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Nonachlorobiphenyls	8.92 µg/Kg	.212 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl9-BZ#206	1.59 µg/Kg	.212 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Octachlorobiphenyls	7.83 µg/Kg	.183 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl8-BZ#201	2.01 µg/Kg	.159 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl8-BZ#195	.377 J µg/Kg	.181 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl8-BZ#194	1.18 µg/Kg	.183 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Heptachlorobiphenyls	20.7 µg/Kg	.409 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl7-BZ#187	5.30 µg/Kg	.0873 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl5-BZ#126	.121 U µg/Kg	.121 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl7-BZ#183	1.31 µg/Kg	.0794 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#158	1.33 µg/Kg	.0853 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#146	3.78 µg/Kg	.0992 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#149	9.40 µg/Kg	.127 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#151	4.20 µg/Kg	.210 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#153	17.0 µg/Kg	.181 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl7-BZ#189	.157 U µg/Kg	.157 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#157	1.42 µg/Kg	.101 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Total Homologues	1070. µg/Kg	5.83 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#167	.635 µg/Kg	.109 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#169	.351 U µg/Kg	.351 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Hexachlorobiphenyls	92.7 µg/Kg	.351 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl7-BZ#170	3.12 µg/Kg	.409 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl7-BZ#174	1.57 µg/Kg	.0833 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl7-BZ#177	1.56 µg/Kg	.117 µg/Kg
8/21/2003	BTC-005-004	609554	4754151	5	0312036-09	Cl6-BZ#156	2.18 µg/Kg	.129 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Percent Lipids	.66 %	0.10 %
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#128	1.14 µg/Kg	.108 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Total Homologues	392. µg/Kg	5.76 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#123	.135 U µg/Kg	.135 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#118	9.76 µg/Kg	.161 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#114	.343 J µg/Kg	.0685 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#110	4.16 µg/Kg	.149 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#105	3.94 µg/Kg	.0764 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#101	11.0 µg/Kg	.157 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#99	7.21 µg/Kg	.0548 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#95	7.77 µg/Kg	.0803 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#87	5.00 µg/Kg	.104 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Tetrachlorobiphenyls	172. µg/Kg	.435 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#81	.233 U µg/Kg	.233 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl5-BZ#126	.119 U µg/Kg	.119 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#70	11.7 µg/Kg	.149 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#74	8.73 µg/Kg	.262 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#56	6.43 µg/Kg	.127 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#52	28.7 µg/Kg	.243 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#49	15.2 µg/Kg	.213 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#47	15.9 µg/Kg	.435 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#45	.832 J µg/Kg	.343 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#44	13.7 µg/Kg	.257 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Trichlorobiphenyls	52.1 µg/Kg	2.70 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl3-BZ#31/#28	18.5 µg/Kg	2.70 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl3-BZ#18	1.67 J µg/Kg	.374 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Dichlorobiphenyls	22.6 µg/Kg	.168 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl2-BZ#8	.734 J µg/Kg	.168 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Monochlorobiphenyls	5.76 U µg/Kg	5.76 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#77	.235 U µg/Kg	.235 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Heptachlorobiphenyls	6.94 µg/Kg	.403 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl4-BZ#66	16.8 µg/Kg	.170 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Pentachlorobiphenyls	96.6 µg/Kg	.161 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl10-BZ#209	.215 J µg/Kg	.0979 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Nonachlorobiphenyls	3.57 µg/Kg	.209 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl9-BZ#206	.862 J µg/Kg	.209 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Octachlorobiphenyls	3.33 µg/Kg	.180 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl8-BZ#201	.891 µg/Kg	.157 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl8-BZ#194	.607 J µg/Kg	.180 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Decachlorobiphenyl	.215 J µg/Kg	.0979 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl7-BZ#187	1.94 µg/Kg	.0862 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl7-BZ#189	.155 U µg/Kg	.155 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl7-BZ#183	.431 µg/Kg	.0783 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl7-BZ#180	1.91 µg/Kg	.172 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl7-BZ#177	.587 µg/Kg	.116 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#146	1.14 µg/Kg	.0979 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl8-BZ#195	.178 U µg/Kg	.178 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#138	7.44 µg/Kg	.155 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#149	3.44 µg/Kg	.125 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#151	1.44 µg/Kg	.208 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#153	5.30 µg/Kg	.178 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#156	.558 J µg/Kg	.127 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#157	.235 J µg/Kg	.0999 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#158	.499 µg/Kg	.0842 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#167	.196 J µg/Kg	.108 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl6-BZ#169	.347 U µg/Kg	.347 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Hexachlorobiphenyls	31.8 µg/Kg	.347 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl7-BZ#170	1.25 J µg/Kg	.403 µg/Kg
8/21/2003	BTC-005-005	609554	4754151	5	0312036-10	Cl7-BZ#174	.607 µg/Kg	.0822 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#151	2.31 µg/Kg	.212 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl7-BZ#174	.940 µg/Kg	.0840 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl7-BZ#170	1.26 J µg/Kg	.412 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Hexachlorobiphenyls	36.8 µg/Kg	.354 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#169	.354 U µg/Kg	.354 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#167	.240 J µg/Kg	.110 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#158	.290 J µg/Kg	.0860 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#157	.300 J µg/Kg	.102 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#146	1.55 µg/Kg	.100 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#153	5.23 µg/Kg	.182 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl7-BZ#177	.800 µg/Kg	.118 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#149	5.74 µg/Kg	.128 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#138	7.77 µg/Kg	.158 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#156	.520 J µg/Kg	.130 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl7-BZ#180	2.07 µg/Kg	.176 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl7-BZ#183	.630 µg/Kg	.0800 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl7-BZ#189	.158 U µg/Kg	.158 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl7-BZ#187	2.49 µg/Kg	.0880 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Heptachlorobiphenyls	9.54 µg/Kg	.412 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl8-BZ#194	.680 J µg/Kg	.184 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl8-BZ#195	.190 J µg/Kg	.182 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl8-BZ#201	1.15 µg/Kg	.160 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Octachlorobiphenyls	3.87 µg/Kg	.184 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl9-BZ#206	.860 J µg/Kg	.214 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Nonachlorobiphenyls	3.79 µg/Kg	.214 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl10-BZ#209	.360 J µg/Kg	.100 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Total Homologues	559. µg/Kg	5.88 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Monochlorobiphenyls	5.88 U µg/Kg	5.88 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Decachlorobiphenyl	.360 J µg/Kg	.100 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#77	.240 U µg/Kg	.240 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Percent Lipids	.57 %	0.10 %
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl2-BZ#8	6.61 µg/Kg	.172 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl3-BZ#18	6.72 µg/Kg	.382 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl3-BZ#31/#28	42.6 µg/Kg	2.75 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Trichlorobiphenyls	103. µg/Kg	2.75 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#44	9.42 µg/Kg	.262 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#45	2.16 µg/Kg	.350 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#47	33.1 µg/Kg	.444 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#49	29.8 µg/Kg	.218 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#52	41.2 µg/Kg	.248 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#56	4.90 µg/Kg	.130 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#66	10.3 µg/Kg	.174 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Dichlorobiphenyls	33.2 µg/Kg	.172 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#74	9.49 µg/Kg	.268 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl5-BZ#105	2.46 µg/Kg	.0780 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Pentachlorobiphenyls	120. µg/Kg	.164 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl5-BZ#126	.122 U µg/Kg	.122 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl5-BZ#123	6.74 µg/Kg	.138 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl5-BZ#118	8.45 µg/Kg	.164 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl4-BZ#70	9.38 µg/Kg	.152 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl5-BZ#110	9.36 µg/Kg	.152 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl6-BZ#128	1.15 µg/Kg	.110 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl5-BZ#101	13.4 µg/Kg	.160 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl5-BZ#99	6.90 µg/Kg	.0560 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl5-BZ#95	13.3 µg/Kg	.0820 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Cl5-BZ#87	5.35 µg/Kg	.106 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis



**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	Tetrachlorobiphenyls	244. µg/Kg	.444 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	C14-BZ#81	.238 U µg/Kg	.238 µg/Kg
8/22/2003	BTC-006-001	611426	4755125	6	0312035-12	C15-BZ#114	.0700 U µg/Kg	.0700 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Percent Lipids	1.2 %	0.10 %
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#66	21.9 µg/Kg	.154 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C16-BZ#138	17.9 µg/Kg	.140 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C15-BZ#118	18.2 µg/Kg	.145 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C15-BZ#114	.424 µg/Kg	.0618 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C15-BZ#110	17.8 µg/Kg	.134 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C15-BZ#105	5.35 µg/Kg	.0689 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C15-BZ#101	26.4 µg/Kg	.141 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C15-BZ#99	15.5 µg/Kg	.0495 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C15-BZ#95	24.4 µg/Kg	.0724 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C15-BZ#87	10.9 µg/Kg	.0936 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Tetrachlorobiphenyls	452. µg/Kg	.392 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#81	.210 U µg/Kg	.210 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#77	.212 U µg/Kg	.212 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C15-BZ#126	.108 U µg/Kg	.108 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#70	18.0 µg/Kg	.134 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Pentachlorobiphenyls	223. µg/Kg	.145 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#56	11.5 µg/Kg	.115 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#52	80.7 µg/Kg	.219 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#49	58.8 µg/Kg	.192 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#47	62.4 µg/Kg	.392 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#45	3.00 µg/Kg	.309 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#44	19.4 µg/Kg	.231 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Trichlorobiphenyls	201. µg/Kg	2.43 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C13-BZ#31/#28	81.2 µg/Kg	2.43 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C13-BZ#18	14.7 µg/Kg	.337 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Dichlorobiphenyls	49.1 µg/Kg	.152 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C12-BZ#8	11.1 µg/Kg	.152 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Monochlorobiphenyls	5.23 J µg/Kg	5.19 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C14-BZ#74	19.4 µg/Kg	.237 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	C17-BZ#174	2.00 µg/Kg	.0742 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Decachlorobiphenyl	.283 J µg/Kg	.0883 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl10-BZ#209	.283 J µg/Kg	.0883 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Nonachlorobiphenyls	7.51 µg/Kg	.189 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl9-BZ#206	1.70 µg/Kg	.189 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Octachlorobiphenyls	7.78 µg/Kg	.162 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl8-BZ#201	2.65 µg/Kg	.141 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl8-BZ#195	.397 J µg/Kg	.161 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl8-BZ#194	1.57 µg/Kg	.162 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Heptachlorobiphenyls	21.6 µg/Kg	.364 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl7-BZ#187	6.32 µg/Kg	.0777 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl7-BZ#189	.140 U µg/Kg	.140 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl7-BZ#183	1.47 µg/Kg	.0706 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl5-BZ#123	.122 U µg/Kg	.122 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl7-BZ#177	1.86 µg/Kg	.104 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#156	1.14 µg/Kg	.115 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#128	2.53 µg/Kg	.0971 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#146	3.83 µg/Kg	.0883 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#149	12.2 µg/Kg	.113 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl7-BZ#180	5.52 µg/Kg	.155 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#153	13.3 µg/Kg	.161 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Total Homologues	1050. µg/Kg	5.19 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#157	.380 J µg/Kg	.0901 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#158	.777 µg/Kg	.0759 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#167	.600 µg/Kg	.0971 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#169	.313 U µg/Kg	.313 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Hexachlorobiphenyls	83.2 µg/Kg	.313 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl7-BZ#170	3.06 µg/Kg	.364 µg/Kg
8/22/2003	BTC-006-002	611426	4755125	6	0312035-13	Cl6-BZ#151	5.30 µg/Kg	.187 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Monochlorobiphenyls	5.62 J µg/Kg	4.80 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#128	2.30 µg/Kg	.0898 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#70	21.0 µg/Kg	.124 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#146	3.28 µg/Kg	.0816 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#123	.113 U µg/Kg	.113 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#118	16.6 µg/Kg	.134 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#114	.612 µg/Kg	.0571 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#110	15.6 µg/Kg	.124 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#105	4.83 µg/Kg	.0637 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#101	27.2 µg/Kg	.131 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#99	14.8 µg/Kg	.0457 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#95	25.4 µg/Kg	.0669 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#87	10.9 µg/Kg	.0865 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Tetrachlorobiphenyls	497. µg/Kg	.362 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#81	.194 U µg/Kg	.194 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl5-BZ#126	.0996 U µg/Kg	.0996 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#74	18.5 µg/Kg	.219 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Pentachlorobiphenyls	222. µg/Kg	.134 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#66	21.2 µg/Kg	.142 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#56	10.8 µg/Kg	.106 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#52	89.0 µg/Kg	.202 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#49	62.5 µg/Kg	.178 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#47	73.9 µg/Kg	.362 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#45	3.40 µg/Kg	.286 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#44	20.1 µg/Kg	.214 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Trichlorobiphenyls	206. µg/Kg	2.25 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl3-BZ#31/#28	86.6 µg/Kg	2.25 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl3-BZ#18	11.8 J µg/Kg	.312 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Dichlorobiphenyls	49.4 µg/Kg	.140 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl2-BZ#8	9.05 µg/Kg	.140 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl4-BZ#77	.196 U µg/Kg	.196 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl7-BZ#177	1.62 µg/Kg	.0963 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Total Homologues	1090. µg/Kg	4.80 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Decachlorobiphenyl	.335 J µg/Kg	.0816 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl10-BZ#209	.335 J µg/Kg	.0816 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Nonachlorobiphenyls	4.98 µg/Kg	.175 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl9-BZ#206	1.62 µg/Kg	.175 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Octachlorobiphenyls	6.84 µg/Kg	.150 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl8-BZ#201	2.59 µg/Kg	.131 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl8-BZ#195	.441 J µg/Kg	.149 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl8-BZ#194	1.38 µg/Kg	.150 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Heptachlorobiphenyls	20.2 µg/Kg	.336 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl7-BZ#187	5.53 µg/Kg	.0718 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl7-BZ#189	.129 U µg/Kg	.129 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl7-BZ#180	4.59 µg/Kg	.144 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Percent Lipids	.78 %	0.10 %
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl7-BZ#174	1.89 µg/Kg	.0686 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl7-BZ#170	2.62 µg/Kg	.336 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Hexachlorobiphenyls	75.7 µg/Kg	.289 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#169	.289 U µg/Kg	.289 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#167	.384 J µg/Kg	.0898 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#158	.906 µg/Kg	.0702 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#157	.302 J µg/Kg	.0833 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#156	.988 µg/Kg	.106 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#153	11.1 µg/Kg	.149 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#151	4.82 µg/Kg	.173 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#149	11.6 µg/Kg	.105 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl6-BZ#138	16.1 µg/Kg	.129 µg/Kg
8/22/2003	BTC-006-003	611426	4755125	6	0312036-11	Cl7-BZ#183	1.37 µg/Kg	.0653 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#128	3.80 µg/Kg	.0901 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl7-BZ#183	2.17 µg/Kg	.0655 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Total Homologues	1730. µg/Kg	4.82 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#149	19.1 µg/Kg	.105 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#151	8.18 µg/Kg	.174 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#153	19.4 µg/Kg	.149 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#156	1.62 µg/Kg	.106 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#157	.541 µg/Kg	.0836 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#158	1.33 µg/Kg	.0705 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#167	.705 µg/Kg	.0901 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#169	.290 U µg/Kg	.290 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Hexachlorobiphenyls	126. µg/Kg	.290 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl7-BZ#170	4.28 µg/Kg	.338 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl7-BZ#174	3.08 µg/Kg	.0688 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Pentachlorobiphenyls	367. µg/Kg	.134 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl7-BZ#180	7.60 µg/Kg	.144 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#126	.100 U µg/Kg	.100 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl7-BZ#189	.130 U µg/Kg	.130 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl7-BZ#187	9.30 µg/Kg	.0721 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Heptachlorobiphenyls	31.2 µg/Kg	.338 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl8-BZ#194	2.20 µg/Kg	.151 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl8-BZ#195	.631 J µg/Kg	.149 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl8-BZ#201	3.95 µg/Kg	.131 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Octachlorobiphenyls	10.6 µg/Kg	.151 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl9-BZ#206	2.58 µg/Kg	.175 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Nonachlorobiphenyls	6.06 µg/Kg	.175 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl10-BZ#209	.393 J µg/Kg	.0819 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Decachlorobiphenyl	.393 J µg/Kg	.0819 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#146	5.69 µg/Kg	.0819 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl7-BZ#177	2.73 µg/Kg	.0967 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#74	28.7 µg/Kg	.220 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Monochlorobiphenyls	10.0 J µg/Kg	4.82 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl2-BZ#8	20.4 µg/Kg	.141 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Dichlorobiphenyls	90.3 µg/Kg	.141 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl3-BZ#18	23.6 J µg/Kg	.313 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl3-BZ#31/#28	110. µg/Kg	2.26 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Trichlorobiphenyls	318. µg/Kg	2.26 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#44	32.1 µg/Kg	.215 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#45	5.36 µg/Kg	.287 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#47	112. µg/Kg	.364 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#49	95.1 µg/Kg	.179 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#52	136. µg/Kg	.203 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#56	13.9 µg/Kg	.106 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl6-BZ#138	27.5 µg/Kg	.130 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#70	31.6 µg/Kg	.124 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Percent Lipids	1.1 %	0.10 %
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#77	.197 U µg/Kg	.197 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#81	.195 U µg/Kg	.195 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Tetrachlorobiphenyls	774. µg/Kg	.364 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#87	17.6 µg/Kg	.0869 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#95	41.9 µg/Kg	.0672 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#99	23.8 µg/Kg	.0459 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#101	44.9 µg/Kg	.131 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#105	8.22 µg/Kg	.0639 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#110	27.5 µg/Kg	.124 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#114	1.37 µg/Kg	.0574 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#118	28.3 µg/Kg	.134 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl5-BZ#123	.113 U µg/Kg	.113 µg/Kg
8/22/2003	BTC-006-004	611426	4755125	6	0312036-12	Cl4-BZ#66	35.0 µg/Kg	.143 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl7-BZ#180	4.51 µg/Kg	.146 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Monochlorobiphenyls	6.79 J µg/Kg	4.86 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#146	2.87 µg/Kg	.0827 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#149	10.6 µg/Kg	.106 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#151	4.10 µg/Kg	.175 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#153	10.6 µg/Kg	.150 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#156	1.08 µg/Kg	.108 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#157	.562 µg/Kg	.0843 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#158	.827 µg/Kg	.0711 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#167	.397 J µg/Kg	.0909 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#169	.293 U µg/Kg	.293 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Hexachlorobiphenyls	72.4 µg/Kg	.293 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl7-BZ#170	2.60 µg/Kg	.341 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#138	15.7 µg/Kg	.131 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl7-BZ#177	1.49 µg/Kg	.0976 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl6-BZ#128	2.62 µg/Kg	.0909 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl7-BZ#183	1.20 µg/Kg	.0661 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl7-BZ#189	.131 U µg/Kg	.131 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl7-BZ#187	4.72 µg/Kg	.0728 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Heptachlorobiphenyls	18.4 µg/Kg	.341 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl8-BZ#194	1.22 µg/Kg	.152 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl8-BZ#195	.405 J µg/Kg	.150 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl8-BZ#201	2.16 µg/Kg	.132 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Octachlorobiphenyls	6.42 µg/Kg	.152 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl9-BZ#206	1.46 µg/Kg	.177 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Nonachlorobiphenyls	5.84 µg/Kg	.177 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl10-BZ#209	.281 J µg/Kg	.0827 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Decachlorobiphenyl	.281 J µg/Kg	.0827 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Total Homologues	950. µg/Kg	4.86 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl7-BZ#174	1.70 µg/Kg	.0694 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#77	.198 U µg/Kg	.198 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl2-BZ#8	9.89 µg/Kg	.142 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Dichlorobiphenyls	49.1 µg/Kg	.142 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl3-BZ#18	12.1 J µg/Kg	.316 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl3-BZ#31/#28	67.0 µg/Kg	2.28 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Trichlorobiphenyls	178. µg/Kg	2.28 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#44	16.8 µg/Kg	.217 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#45	2.94 µg/Kg	.289 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#47	59.1 µg/Kg	.367 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#49	50.8 µg/Kg	.180 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#52	69.0 µg/Kg	.205 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#56	8.21 µg/Kg	.108 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#66	18.1 µg/Kg	.144 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#74	14.8 µg/Kg	.222 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#101	24.4 µg/Kg	.132 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Pentachlorobiphenyls	207. µg/Kg	.136 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#126	.101 U µg/Kg	.101 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#123	.114 U µg/Kg	.114 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#118	15.5 µg/Kg	.136 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#114	.562 µg/Kg	.0579 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#70	16.8 µg/Kg	.126 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#105	4.74 µg/Kg	.0645 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Percent Lipids	.66 %	0.10 %
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#99	12.4 µg/Kg	.0463 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#95	23.0 µg/Kg	.0678 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#87	9.97 µg/Kg	.0876 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Tetrachlorobiphenyls	406. µg/Kg	.367 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl4-BZ#81	.197 U µg/Kg	.197 µg/Kg
8/22/2003	BTC-006-005	611426	4755125	6	0312036-13	Cl5-BZ#110	15.0 µg/Kg	.126 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#126	.114 U µg/Kg	.114 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl7-BZ#189	.148 U µg/Kg	.148 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#146	1.90 µg/Kg	.0937 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#149	7.05 µg/Kg	.120 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#151	3.03 µg/Kg	.199 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#153	6.53 µg/Kg	.170 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#156	.618 µg/Kg	.122 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#157	.319 J µg/Kg	.0955 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#158	.487 µg/Kg	.0806 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#167	.309 J µg/Kg	.103 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#169	.332 U µg/Kg	.332 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Hexachlorobiphenyls	48.9 µg/Kg	.332 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl7-BZ#170	1.65 J µg/Kg	.386 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl7-BZ#174	1.25 µg/Kg	.0787 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#138	9.88 µg/Kg	.148 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl7-BZ#180	2.81 µg/Kg	.165 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl7-BZ#177	1.10 µg/Kg	.111 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl7-BZ#187	3.45 µg/Kg	.0824 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Heptachlorobiphenyls	11.8 µg/Kg	.386 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl8-BZ#194	.890 µg/Kg	.172 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl8-BZ#195	.319 J µg/Kg	.170 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl8-BZ#201	1.68 µg/Kg	.150 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Octachlorobiphenyls	5.23 µg/Kg	.172 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl9-BZ#206	1.29 µg/Kg	.200 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Nonachlorobiphenyls	4.59 µg/Kg	.200 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl10-BZ#209	.319 J µg/Kg	.0937 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Decachlorobiphenyl	.319 J µg/Kg	.0937 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Total Homologues	723. µg/Kg	5.51 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl6-BZ#128	1.55 µg/Kg	.103 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Percent Lipids	.68 %	0.10 %
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl2-BZ#8	9.84 µg/Kg	.161 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl7-BZ#183	.871 µg/Kg	.0749 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Monochlorobiphenyls	5.69 J µg/Kg	5.51 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Pentachlorobiphenyls	148. µg/Kg	.154 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Dichlorobiphenyls	54.8 µg/Kg	.161 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl3-BZ#18	11.1 J µg/Kg	.358 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl3-BZ#31/#28	42.2 µg/Kg	2.58 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Trichlorobiphenyls	129. µg/Kg	2.58 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#44	11.6 µg/Kg	.245 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#45	2.76 µg/Kg	.328 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#47	42.2 µg/Kg	.416 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis



**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#49	35.7 µg/Kg	.204 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#52	49.8 µg/Kg	.232 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#56	6.53 µg/Kg	.122 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#66	11.5 µg/Kg	.163 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#118	9.16 µg/Kg	.154 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#123	.129 U µg/Kg	.129 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#114	.534 µg/Kg	.0656 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#110	11.5 µg/Kg	.142 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#105	2.84 µg/Kg	.0731 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#101	16.1 µg/Kg	.150 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#99	8.95 µg/Kg	.0525 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#87	6.07 µg/Kg	.0993 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Tetrachlorobiphenyls	314. µg/Kg	.416 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#81	.223 U µg/Kg	.223 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#77	.225 U µg/Kg	.225 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#74	9.65 µg/Kg	.251 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl4-BZ#70	11.5 µg/Kg	.142 µg/Kg
8/22/2003	BTC-006-006	611426	4755125	6	0312036-14	Cl5-BZ#95	16.9 µg/Kg	.0768 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#138	146. µg/Kg	.217 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Hexachlorobiphenyls	708. µg/Kg	.487 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#169	.487 U µg/Kg	.487 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#167	4.29 µg/Kg	.151 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#158	7.92 µg/Kg	.118 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#157	4.24 µg/Kg	.140 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#156	9.45 µg/Kg	.179 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#153	116. µg/Kg	.250 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#151	53.4 µg/Kg	.292 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#128	20.2 µg/Kg	.151 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#146	37.4 µg/Kg	.138 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl7-BZ#170	27.3 µg/Kg	.567 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl8-BZ#194	12.9 µg/Kg	.253 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl6-BZ#149	95.6 µg/Kg	.176 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl7-BZ#174	19.7 µg/Kg	.116 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl7-BZ#177	18.9 µg/Kg	.162 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl7-BZ#180	47.9 µg/Kg	.242 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
Version 2.0  
Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C17-BZ#183	13.2 µg/Kg	.110 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C17-BZ#189	1.33 µg/Kg	.217 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C110-BZ#209	1.73 µg/Kg	.138 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Heptachlorobiphenyls	180. µg/Kg	.567 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Pentachlorobiphenyls	1630. µg/Kg	.226 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C18-BZ#195	3.81 µg/Kg	.250 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C18-BZ#201	19.6 µg/Kg	.220 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Octachlorobiphenyls	57.4 µg/Kg	.250 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C19-BZ#206	9.26 µg/Kg	.294 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Nonachlorobiphenyls	25.6 µg/Kg	.294 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C17-BZ#187	52.3 µg/Kg	.121 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#70	125. µg/Kg	.209 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Percent Lipids	1.6 %	0.10 %
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Monochlorobiphenyls	69.4 µg/Kg	8.09 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Total Homologues	7680. µg/Kg	8.09 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Dichlorobiphenyls	578. µg/Kg	.236 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C13-BZ#18	60.8 µg/Kg	.525 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C13-BZ#31/#28	644. µg/Kg	3.79 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Trichlorobiphenyls	1300. µg/Kg	3.79 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#44	89.5 µg/Kg	.360 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#45	20.1 µg/Kg	.481 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#47	482. µg/Kg	.611 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#49	391. µg/Kg	.300 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#52	565. µg/Kg	.341 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C12-BZ#8	40.1 µg/Kg	.236 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#66	91.2 µg/Kg	.239 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C15-BZ#126	.168 U µg/Kg	.168 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#74	76.7 µg/Kg	.369 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#77	.330 U µg/Kg	.330 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C14-BZ#81	.327 U µg/Kg	.327 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Tetrachlorobiphenyls	3130. µg/Kg	.611 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C15-BZ#87	78.4 µg/Kg	.146 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C15-BZ#95	170. µg/Kg	.113 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C15-BZ#99	115. µg/Kg	.0770 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	C15-BZ#101	181. µg/Kg	.220 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl5-BZ#105	23.4 µg/Kg	.107 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl5-BZ#110	120. µg/Kg	.209 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl5-BZ#114	5.74 µg/Kg	.0963 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl5-BZ#118	118. µg/Kg	.226 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl5-BZ#123	.190 U µg/Kg	.190 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Cl4-BZ#56	42.8 µg/Kg	.179 µg/Kg
8/28/2003	BTC-007-001	614853	4781002	7	0312035-14	Decachlorobiphenyl	1.73 µg/Kg	.138 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl7-BZ#189	.283 J µg/Kg	.154 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#146	10.9 µg/Kg	.0977 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#149	25.0 µg/Kg	.125 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#151	15.1 µg/Kg	.207 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#153	30.5 µg/Kg	.178 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#156	2.36 µg/Kg	.127 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#157	1.02 µg/Kg	.0997 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#158	1.97 µg/Kg	.0840 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#167	1.04 µg/Kg	.108 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#169	.346 U µg/Kg	.346 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Hexachlorobiphenyls	194. µg/Kg	.346 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl7-BZ#170	8.41 µg/Kg	.403 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Percent Lipids	.59 %	0.10 %
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl6-BZ#138	38.1 µg/Kg	.154 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl7-BZ#183	4.42 µg/Kg	.0782 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl7-BZ#174	5.77 µg/Kg	.0821 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl7-BZ#187	16.8 µg/Kg	.0860 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Heptachlorobiphenyls	57.7 µg/Kg	.403 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl8-BZ#194	5.50 µg/Kg	.180 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl8-BZ#195	1.73 µg/Kg	.178 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl8-BZ#201	8.03 µg/Kg	.156 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Octachlorobiphenyls	22.9 µg/Kg	.180 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl9-BZ#206	4.98 µg/Kg	.209 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Nonachlorobiphenyls	16.0 µg/Kg	.209 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Cl10-BZ#209	1.41 µg/Kg	.0977 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Decachlorobiphenyl	1.41 µg/Kg	.0977 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Total Homologues	2190. µg/Kg	5.74 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Monochlorobiphenyls	25.6 J µg/Kg	5.74 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C17-BZ#177	5.81 µg/Kg	.115 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#44	18.9 µg/Kg	.256 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#70	23.2 µg/Kg	.148 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#66	22.1 µg/Kg	.170 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#56	13.4 µg/Kg	.127 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#52	146. µg/Kg	.242 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#49	94.4 µg/Kg	.213 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#74	23.0 µg/Kg	.262 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#45	7.08 µg/Kg	.342 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Dichlorobiphenyls	207. µg/Kg	.168 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Trichlorobiphenyls	377. µg/Kg	2.69 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C13-BZ#31/#28	117. µg/Kg	2.69 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C13-BZ#18	18.4 µg/Kg	.373 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C16-BZ#128	4.86 µg/Kg	.108 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C12-BZ#8	16.4 µg/Kg	.168 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C17-BZ#180	15.2 µg/Kg	.172 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#47	132. µg/Kg	.434 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#126	.119 U µg/Kg	.119 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Pentachlorobiphenyls	429. µg/Kg	.160 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#123	.135 U µg/Kg	.135 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#118	28.1 µg/Kg	.160 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#114	1.64 µg/Kg	.0684 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#110	32.4 µg/Kg	.148 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#105	7.00 µg/Kg	.0762 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#99	31.5 µg/Kg	.0547 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#95	41.3 µg/Kg	.0801 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#87	20.5 µg/Kg	.104 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	Tetrachlorobiphenyls	857. µg/Kg	.434 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#81	.233 U µg/Kg	.233 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C14-BZ#77	.235 U µg/Kg	.235 µg/Kg
8/28/2003	BTC-007-002	614853	4781002	7	0312035-15	C15-BZ#101	45.4 µg/Kg	.156 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	C16-BZ#146	14.7 µg/Kg	.0924 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	C17-BZ#170	11.4 µg/Kg	.381 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Hexachlorobiphenyls	279. µg/Kg	.327 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	C16-BZ#169	.327 U µg/Kg	.327 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl6-BZ#167	1.40 µg/Kg	.102 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl6-BZ#158	2.76 µg/Kg	.0795 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl6-BZ#157	1.52 µg/Kg	.0942 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl6-BZ#156	3.55 µg/Kg	.120 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl6-BZ#153	44.8 µg/Kg	.168 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl6-BZ#138	55.2 µg/Kg	.146 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl6-BZ#149	37.4 µg/Kg	.118 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl7-BZ#174	8.10 µg/Kg	.0776 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl8-BZ#201	9.70 µg/Kg	.148 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl6-BZ#151	19.9 µg/Kg	.196 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl7-BZ#177	7.51 µg/Kg	.109 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl7-BZ#180	20.0 µg/Kg	.163 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl7-BZ#183	6.22 µg/Kg	.0739 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl7-BZ#189	.462 J µg/Kg	.146 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl7-BZ#187	22.4 µg/Kg	.0813 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Heptachlorobiphenyls	82.5 µg/Kg	.381 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Decachlorobiphenyl	1.21 µg/Kg	.0924 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl8-BZ#195	2.09 µg/Kg	.168 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl6-BZ#128	7.46 µg/Kg	.102 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Octachlorobiphenyls	28.5 µg/Kg	.170 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl9-BZ#206	5.72 µg/Kg	.198 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Nonachlorobiphenyls	14.2 µg/Kg	.198 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl10-BZ#209	1.21 µg/Kg	.0924 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Total Homologues	3360. µg/Kg	5.43 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl8-BZ#194	6.58 µg/Kg	.170 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#77	.222 U µg/Kg	.222 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Percent Lipids	1.1 %	0.10 %
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Monochlorobiphenyls	53.7 µg/Kg	5.43 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Dichlorobiphenyls	404. µg/Kg	.159 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl3-BZ#18	29.4 J µg/Kg	.353 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl3-BZ#31/#28	183. µg/Kg	2.54 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Trichlorobiphenyls	593. µg/Kg	2.54 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#44	28.3 µg/Kg	.242 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#45	10.8 µg/Kg	.323 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#47	202. µg/Kg	.410 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#49	142. µg/Kg	.201 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#52	218. µg/Kg	.229 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#56	15.4 µg/Kg	.120 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#66	32.3 µg/Kg	.161 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl2-BZ#8	21.2 µg/Kg	.159 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#101	70.7 µg/Kg	.148 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#126	.113 U µg/Kg	.113 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#123	33.7 µg/Kg	.127 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#118	42.2 µg/Kg	.152 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#114	2.24 µg/Kg	.0647 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#70	37.2 µg/Kg	.140 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#105	8.21 µg/Kg	.0721 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#74	32.0 µg/Kg	.248 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#99	43.7 µg/Kg	.0517 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#95	61.9 µg/Kg	.0758 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#87	29.6 µg/Kg	.0979 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Tetrachlorobiphenyls	1260. µg/Kg	.410 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl4-BZ#81	.220 U µg/Kg	.220 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Pentachlorobiphenyls	644. µg/Kg	.152 µg/Kg
8/28/2003	BTC-007-003	614853	4781002	7	0312036-15	Cl5-BZ#110	44.2 µg/Kg	.140 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl5-BZ#126	.121 U µg/Kg	.121 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl7-BZ#177	6.24 µg/Kg	.117 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Decachlorobiphenyl	1.32 µg/Kg	.0993 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#138	40.6 µg/Kg	.157 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#146	11.5 µg/Kg	.0993 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#149	29.2 µg/Kg	.127 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#151	15.6 µg/Kg	.211 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#153	33.3 µg/Kg	.181 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#156	2.51 µg/Kg	.129 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#157	1.22 µg/Kg	.101 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#158	2.12 µg/Kg	.0854 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#167	1.50 µg/Kg	.109 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#169	.352 U µg/Kg	.352 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Hexachlorobiphenyls	218. µg/Kg	.352 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl5-BZ#123	.137 U µg/Kg	.137 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl7-BZ#174	6.24 µg/Kg	.0834 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Percent Lipids	.73 %	0.10 %
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl7-BZ#180	16.4 µg/Kg	.175 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl7-BZ#183	4.78 µg/Kg	.0794 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl7-BZ#189	.377 J µg/Kg	.157 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl7-BZ#187	18.0 µg/Kg	.0874 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Heptachlorobiphenyls	61.0 µg/Kg	.409 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl8-BZ#194	5.37 µg/Kg	.183 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl8-BZ#195	1.63 µg/Kg	.181 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl8-BZ#201	8.06 µg/Kg	.159 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Octachlorobiphenyls	23.5 µg/Kg	.183 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl9-BZ#206	5.13 µg/Kg	.213 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Nonachlorobiphenyls	11.6 µg/Kg	.213 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl10-BZ#209	1.32 µg/Kg	.0993 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl7-BZ#170	8.51 µg/Kg	.409 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#70	27.1 µg/Kg	.151 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl6-BZ#128	4.82 µg/Kg	.109 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Monochlorobiphenyls	39.4 µg/Kg	5.84 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl2-BZ#8	21.9 µg/Kg	.171 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Dichlorobiphenyls	278. µg/Kg	.171 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl3-BZ#18	22.8 µg/Kg	.379 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl3-BZ#31/#28	122. J µg/Kg	2.73 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Trichlorobiphenyls	451. µg/Kg	2.73 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#44	18.4 µg/Kg	.260 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#45	8.11 µg/Kg	.347 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#47	154. µg/Kg	.441 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#49	89.6 µg/Kg	.216 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#52	162. µg/Kg	.246 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Pentachlorobiphenyls	516. µg/Kg	.163 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#66	23.5 µg/Kg	.173 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Total Homologues	2530. µg/Kg	5.84 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#74	21.9 µg/Kg	.266 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#77	.238 U µg/Kg	.238 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Cl4-BZ#81	.236 U µg/Kg	.236 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	Tetrachlorobiphenyls	932. µg/Kg	.441 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

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<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	CI5-BZ#87	22.8 µg/Kg	.105 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	CI5-BZ#95	47.7 µg/Kg	.0814 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	CI5-BZ#99	33.3 µg/Kg	.0556 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	CI5-BZ#101	52.8 µg/Kg	.159 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	CI5-BZ#105	6.20 µg/Kg	.0774 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	CI5-BZ#110	38.1 µg/Kg	.151 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	CI5-BZ#114	1.85 µg/Kg	.0695 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	CI5-BZ#118	31.3 µg/Kg	.163 µg/Kg
8/28/2003	BTC-007-004	614853	4781002	7	0401044-01	CI4-BZ#56	10.4 µg/Kg	.129 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#74	14.0 µg/Kg	.289 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Percent Lipids	1.1 %	0.10 %
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#126	.132 U µg/Kg	.132 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#123	.149 U µg/Kg	.149 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#118	16.9 µg/Kg	.177 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#114	1.22 µg/Kg	.0754 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#110	10.7 µg/Kg	.164 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#105	5.14 µg/Kg	.0841 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#101	24.6 µg/Kg	.172 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#99	13.7 µg/Kg	.0604 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#95	22.4 µg/Kg	.0884 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI5-BZ#87	10.7 µg/Kg	.114 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Tetrachlorobiphenyls	384. µg/Kg	.479 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI6-BZ#128	3.22 µg/Kg	.119 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#77	.259 U µg/Kg	.259 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI6-BZ#138	18.2 µg/Kg	.170 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#70	17.7 µg/Kg	.164 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#66	20.5 µg/Kg	.188 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#56	11.5 µg/Kg	.140 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#52	69.8 µg/Kg	.267 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#49	43.7 µg/Kg	.235 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#47	45.6 µg/Kg	.479 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#45	2.58 µg/Kg	.377 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI4-BZ#44	21.2 µg/Kg	.282 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Trichlorobiphenyls	161. µg/Kg	2.97 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	CI3-BZ#31/#28	80.4 µg/Kg	2.97 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis



**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl3-BZ#18	6.75 µg/Kg	.412 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Dichlorobiphenyls	22.4 µg/Kg	.185 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl2-BZ#8	.185 U µg/Kg	.185 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl4-BZ#81	.257 U µg/Kg	.257 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl7-BZ#180	5.34 µg/Kg	.190 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Total Homologues	944. µg/Kg	6.34 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Monochlorobiphenyls	6.34 U µg/Kg	6.34 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Decachlorobiphenyl	1.09 µg/Kg	.108 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl10-BZ#209	1.09 µg/Kg	.108 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Nonachlorobiphenyls	19.6 µg/Kg	.231 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl9-BZ#206	2.32 µg/Kg	.231 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Octachlorobiphenyls	12.5 µg/Kg	.198 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl8-BZ#201	2.56 µg/Kg	.172 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl8-BZ#195	.862 J µg/Kg	.196 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl8-BZ#194	1.90 µg/Kg	.198 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Heptachlorobiphenyls	24.9 µg/Kg	.444 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl7-BZ#187	6.11 µg/Kg	.0949 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Pentachlorobiphenyls	220. µg/Kg	.177 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl7-BZ#183	1.83 µg/Kg	.0862 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl7-BZ#177	2.23 µg/Kg	.127 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl7-BZ#174	2.44 µg/Kg	.0905 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl7-BZ#170	3.50 µg/Kg	.444 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Hexachlorobiphenyls	95.7 µg/Kg	.382 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl6-BZ#169	.550 J µg/Kg	.382 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl6-BZ#167	.948 µg/Kg	.119 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl6-BZ#158	1.62 µg/Kg	.0927 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl6-BZ#157	2.28 µg/Kg	.110 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl6-BZ#156	1.71 µg/Kg	.140 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl6-BZ#153	12.7 µg/Kg	.196 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl6-BZ#151	5.69 µg/Kg	.228 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl6-BZ#149	11.5 µg/Kg	.138 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl6-BZ#146	4.16 µg/Kg	.108 µg/Kg
8/29/2003	BTC-008-001	607892	4749119	8	0312035-16	Cl7-BZ#189	.754 J µg/Kg	.170 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Pentachlorobiphenyls	185. µg/Kg	.151 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#66	19.2 µg/Kg	.160 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#123	.127 U µg/Kg	.127 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#118	14.8 µg/Kg	.151 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#114	.0644 U µg/Kg	.0644 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#110	10.6 µg/Kg	.140 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#105	4.30 µg/Kg	.0717 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#101	23.3 µg/Kg	.147 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#99	12.0 µg/Kg	.0515 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#95	21.0 µg/Kg	.0754 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#87	9.88 µg/Kg	.0975 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Tetrachlorobiphenyls	357. µg/Kg	.408 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#81	.219 U µg/Kg	.219 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#77	.221 U µg/Kg	.221 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#138	16.6 µg/Kg	.145 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#70	17.0 µg/Kg	.140 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#128	2.33 µg/Kg	.101 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#56	7.94 µg/Kg	.119 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#52	68.1 µg/Kg	.228 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#49	43.5 µg/Kg	.200 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#47	46.7 µg/Kg	.408 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#45	2.11 µg/Kg	.322 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#44	19.3 µg/Kg	.241 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Trichlorobiphenyls	161. µg/Kg	2.53 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl3-BZ#31/#28	86.8 µg/Kg	2.53 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl3-BZ#18	6.25 µg/Kg	.351 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Dichlorobiphenyls	21.1 µg/Kg	.158 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl2-BZ#8	2.40 µg/Kg	.158 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Monochlorobiphenyls	5.41 U µg/Kg	5.41 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl4-BZ#74	14.8 µg/Kg	.246 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl7-BZ#177	1.66 µg/Kg	.108 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Total Homologues	836. µg/Kg	5.41 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Decachlorobiphenyl	.432 J µg/Kg	.0920 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl10-BZ#209	.432 J µg/Kg	.0920 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Nonachlorobiphenyls	9.13 µg/Kg	.197 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl9-BZ#206	1.61 µg/Kg	.197 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Octachlorobiphenyls	7.18 µg/Kg	.169 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl8-BZ#201	2.02 µg/Kg	.147 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl8-BZ#195	.423 J µg/Kg	.167 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl8-BZ#194	1.31 µg/Kg	.169 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Heptachlorobiphenyls	17.5 µg/Kg	.379 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl7-BZ#187	5.33 µg/Kg	.0809 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl7-BZ#189	.145 U µg/Kg	.145 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl5-BZ#126	.112 U µg/Kg	.112 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl7-BZ#180	4.60 µg/Kg	.162 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Percent Lipids	.96 %	0.10 %
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl7-BZ#174	1.80 µg/Kg	.0772 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl7-BZ#170	2.80 µg/Kg	.379 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Hexachlorobiphenyls	74.8 µg/Kg	.326 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#169	.326 U µg/Kg	.326 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#167	.377 J µg/Kg	.101 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#158	.745 µg/Kg	.0791 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#157	.460 J µg/Kg	.0938 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#156	1.08 µg/Kg	.119 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#153	11.4 µg/Kg	.167 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#151	5.20 µg/Kg	.195 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#149	11.0 µg/Kg	.118 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl6-BZ#146	3.72 µg/Kg	.0920 µg/Kg
8/29/2003	BTC-008-002	607892	4749119	8	0312035-17	Cl7-BZ#183	1.23 µg/Kg	.0736 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Percent Lipids	1.4 %	0.10 %
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl7-BZ#180	7.93 µg/Kg	.193 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Decachlorobiphenyl	.561 µg/Kg	.110 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#146	6.77 µg/Kg	.110 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#149	18.9 µg/Kg	.141 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#151	9.14 µg/Kg	.233 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#153	21.8 µg/Kg	.200 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#156	1.85 µg/Kg	.143 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#157	.472 J µg/Kg	.112 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#158	1.44 µg/Kg	.0945 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#167	.681 µg/Kg	.121 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#169	.389 U µg/Kg	.389 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Hexachlorobiphenyls	138. µg/Kg	.389 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

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<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl7-BZ#170	4.69 µg/Kg	.453 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#128	4.42 µg/Kg	.121 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl7-BZ#177	3.02 µg/Kg	.130 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Pentachlorobiphenyls	308. µg/Kg	.180 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl7-BZ#183	2.32 µg/Kg	.0879 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl7-BZ#189	.174 U µg/Kg	.174 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl7-BZ#187	9.86 µg/Kg	.0967 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Heptachlorobiphenyls	32.8 µg/Kg	.453 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl8-BZ#194	2.20 µg/Kg	.202 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl8-BZ#195	.714 J µg/Kg	.200 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl8-BZ#201	3.86 µg/Kg	.176 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Octachlorobiphenyls	10.9 µg/Kg	.202 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl9-BZ#206	2.41 µg/Kg	.235 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Nonachlorobiphenyls	9.41 µg/Kg	.235 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl10-BZ#209	.561 µg/Kg	.110 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Total Homologues	1340. µg/Kg	6.46 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl7-BZ#174	3.13 µg/Kg	.0923 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#74	25.0 µg/Kg	.294 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl2-BZ#8	2.37 µg/Kg	.189 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Dichlorobiphenyls	30.5 µg/Kg	.189 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl3-BZ#18	6.87 µg/Kg	.420 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl3-BZ#31/#28	127. J µg/Kg	3.03 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Trichlorobiphenyls	221. µg/Kg	3.03 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#44	30.8 µg/Kg	.288 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#45	3.42 µg/Kg	.385 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#47	82.1 µg/Kg	.488 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#49	68.3 µg/Kg	.240 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#52	119. µg/Kg	.273 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#56	15.4 µg/Kg	.143 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl6-BZ#138	31.5 µg/Kg	.174 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#70	30.1 µg/Kg	.167 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#101	40.9 µg/Kg	.176 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#126	.134 U µg/Kg	.134 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#123	.152 U µg/Kg	.152 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#118	27.7 µg/Kg	.180 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#114	.934 µg/Kg	.0769 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#66	33.0 µg/Kg	.191 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#105	7.76 µg/Kg	.0857 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Monochlorobiphenyls	6.46 U µg/Kg	6.46 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#99	22.3 µg/Kg	.0615 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#95	35.3 µg/Kg	.0901 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#87	17.9 µg/Kg	.116 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Tetrachlorobiphenyls	588. µg/Kg	.488 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#81	.262 U µg/Kg	.262 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl4-BZ#77	.264 U µg/Kg	.264 µg/Kg
8/29/2003	BTC-008-003	607892	4749119	8	0401044-02	Cl5-BZ#110	11.1 µg/Kg	.167 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Pentachlorobiphenyls	347. µg/Kg	.205 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#66	37.8 µg/Kg	.218 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#138	30.1 µg/Kg	.198 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#118	27.9 µg/Kg	.205 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#114	1.05 µg/Kg	.0877 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#110	10.8 µg/Kg	.190 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#105	10.4 µg/Kg	.0977 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#101	46.1 µg/Kg	.200 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#99	23.8 µg/Kg	.0701 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#95	43.8 µg/Kg	.103 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#87	18.8 µg/Kg	.133 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Tetrachlorobiphenyls	725. µg/Kg	.556 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#81	.298 U µg/Kg	.298 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#77	.301 U µg/Kg	.301 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#126	.153 U µg/Kg	.153 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#70	34.6 µg/Kg	.190 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#128	4.30 µg/Kg	.138 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#56	16.8 µg/Kg	.163 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#52	155. µg/Kg	.311 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#49	94.3 µg/Kg	.273 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#47	101. µg/Kg	.556 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#45	3.29 µg/Kg	.438 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#44	34.6 µg/Kg	.328 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Trichlorobiphenyls	269. µg/Kg	3.45 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

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<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl3-BZ#31/#28	156. J µg/Kg	3.45 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl3-BZ#18	5.72 µg/Kg	.479 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Dichlorobiphenyls	34.5 µg/Kg	.215 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl2-BZ#8	1.20 µg/Kg	.215 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Monochlorobiphenyls	7.36 U µg/Kg	7.36 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl4-BZ#74	27.8 µg/Kg	.336 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl7-BZ#180	8.32 µg/Kg	.221 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Percent Lipids	2.0 %	0.10 %
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Decachlorobiphenyl	.827 µg/Kg	.125 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl10-BZ#209	.827 µg/Kg	.125 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Nonachlorobiphenyls	8.98 µg/Kg	.268 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl9-BZ#206	2.88 µg/Kg	.268 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Octachlorobiphenyls	12.0 µg/Kg	.230 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl8-BZ#201	4.03 µg/Kg	.200 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl8-BZ#195	.701 J µg/Kg	.228 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl8-BZ#194	2.37 µg/Kg	.230 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Heptachlorobiphenyls	31.0 µg/Kg	.516 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl7-BZ#187	9.22 µg/Kg	.110 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl5-BZ#123	.173 U µg/Kg	.173 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl7-BZ#183	2.20 µg/Kg	.100 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#158	1.50 µg/Kg	.108 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#146	6.12 µg/Kg	.125 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#149	18.2 µg/Kg	.160 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#151	9.54 µg/Kg	.266 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#153	20.8 µg/Kg	.228 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl7-BZ#189	.198 U µg/Kg	.198 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#157	.889 µg/Kg	.128 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Total Homologues	1570. µg/Kg	7.36 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#167	.701 µg/Kg	.138 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#169	.443 U µg/Kg	.443 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Hexachlorobiphenyls	137. µg/Kg	.443 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl7-BZ#170	4.71 µg/Kg	.516 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl7-BZ#174	3.19 µg/Kg	.105 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl7-BZ#177	2.89 µg/Kg	.148 µg/Kg
8/29/2003	BTC-008-004	607892	4749119	8	0401044-03	Cl6-BZ#156	1.73 µg/Kg	.163 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#128	2.35 µg/Kg	.174 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl7-BZ#187	5.13 µg/Kg	.139 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#138	17.5 µg/Kg	.249 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#149	11.0 µg/Kg	.202 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#151	4.83 µg/Kg	.335 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#153	12.0 µg/Kg	.287 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#156	1.17 µg/Kg	.205 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#157	1.03 µg/Kg	.161 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#158	.900 µg/Kg	.136 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#167	.647 J µg/Kg	.174 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#169	.559 U µg/Kg	.559 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Hexachlorobiphenyls	82.3 µg/Kg	.559 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl7-BZ#170	2.75 J µg/Kg	.650 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl7-BZ#174	1.82 µg/Kg	.133 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Pentachlorobiphenyls	219. µg/Kg	.259 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl7-BZ#183	1.31 µg/Kg	.126 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl7-BZ#180	4.37 µg/Kg	.278 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Heptachlorobiphenyls	17.7 µg/Kg	.650 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl8-BZ#194	1.25 J µg/Kg	.290 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl8-BZ#195	.410 J µg/Kg	.287 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl8-BZ#201	1.91 µg/Kg	.252 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Octachlorobiphenyls	7.81 µg/Kg	.290 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl9-BZ#206	1.70 µg/Kg	.338 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Nonachlorobiphenyls	7.92 µg/Kg	.338 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl10-BZ#209	.410 J µg/Kg	.158 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Decachlorobiphenyl	.410 J µg/Kg	.158 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Total Homologues	823. µg/Kg	9.28 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Percent Lipids	1.0 %	0.10 %
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl6-BZ#146	3.35 µg/Kg	.158 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl7-BZ#177	1.61 µg/Kg	.186 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#49	29.4 µg/Kg	.344 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl7-BZ#189	.249 U µg/Kg	.249 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#126	.192 U µg/Kg	.192 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Dichlorobiphenyls	37.6 µg/Kg	.271 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl3-BZ#18	6.19 µg/Kg	.603 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl3-BZ#31/#28	55.2 J µg/Kg	4.35 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Trichlorobiphenyls	139. µg/Kg	4.35 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#44	17.3 µg/Kg	.414 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#47	38.9 µg/Kg	.701 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl2-BZ#8	1.61 µg/Kg	.271 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#52	59.9 µg/Kg	.391 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#56	6.23 µg/Kg	.205 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#66	15.5 µg/Kg	.275 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#70	16.2 µg/Kg	.240 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#114	.537 J µg/Kg	.111 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#123	.218 U µg/Kg	.218 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#45	2.51 J µg/Kg	.552 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#118	15.6 µg/Kg	.259 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Monochlorobiphenyls	9.28 U µg/Kg	9.28 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#110	10.1 µg/Kg	.240 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#105	5.63 µg/Kg	.123 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#101	25.2 µg/Kg	.252 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#99	12.0 µg/Kg	.0884 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#95	26.3 µg/Kg	.129 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl5-BZ#87	10.6 µg/Kg	.167 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Tetrachlorobiphenyls	306. µg/Kg	.701 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#81	.376 U µg/Kg	.376 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#77	.379 U µg/Kg	.379 µg/Kg
8/29/2003	BTC-008-005	607892	4749119	8	0401044-04	Cl4-BZ#74	12.4 µg/Kg	.423 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#114	.425 J µg/Kg	.141 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#77	.485 U µg/Kg	.485 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#81	.481 U µg/Kg	.481 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Tetrachlorobiphenyls	216. µg/Kg	.898 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#87	6.71 µg/Kg	.214 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#95	10.7 µg/Kg	.166 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#99	8.17 µg/Kg	.113 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#101	15.9 µg/Kg	.324 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#123	.279 U µg/Kg	.279 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#110	8.13 µg/Kg	.307 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#74	7.36 µg/Kg	.542 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis



**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#118	10.5 µg/Kg	.332 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#126	.247 U µg/Kg	.247 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl5-BZ#105	3.34 µg/Kg	.158 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#44	12.8 µg/Kg	.530 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#138	13.3 µg/Kg	.319 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#128	2.06 µg/Kg	.222 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Monochlorobiphenyls	11.9 U µg/Kg	11.9 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Dichlorobiphenyls	108. µg/Kg	.348 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl3-BZ#18	5.42 µg/Kg	.772 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl2-BZ#8	1.64 J µg/Kg	.348 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Trichlorobiphenyls	96.3 µg/Kg	5.57 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#70	11.8 µg/Kg	.307 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#45	2.28 J µg/Kg	.708 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#47	22.2 µg/Kg	.898 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#49	19.0 µg/Kg	.441 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#52	34.0 µg/Kg	.501 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#56	5.58 µg/Kg	.263 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl4-BZ#66	11.8 µg/Kg	.352 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl3-BZ#31/#28	29.0 J µg/Kg	5.57 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl8-BZ#195	.368 U µg/Kg	.368 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Pentachlorobiphenyls	287. µg/Kg	.332 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Total Homologues	834. µg/Kg	11.9 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Decachlorobiphenyl	.586 J µg/Kg	.202 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl10-BZ#209	.586 J µg/Kg	.202 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Nonachlorobiphenyls	13.6 µg/Kg	.433 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl9-BZ#206	1.98 J µg/Kg	.433 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl8-BZ#201	2.24 µg/Kg	.324 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Percent Lipids	1.2 %	0.10 %
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl8-BZ#194	1.38 J µg/Kg	.372 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Heptachlorobiphenyls	19.6 µg/Kg	.833 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl7-BZ#187	4.57 µg/Kg	.178 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl7-BZ#189	.319 U µg/Kg	.319 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl7-BZ#183	1.19 µg/Kg	.162 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#157	3.90 µg/Kg	.206 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Octachlorobiphenyls	13.7 µg/Kg	.372 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#146	2.41 µg/Kg	.202 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl7-BZ#180	4.29 µg/Kg	.356 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#151	2.93 µg/Kg	.429 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#156	.910 J µg/Kg	.263 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#149	7.97 µg/Kg	.259 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#158	.728 J µg/Kg	.174 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#167	.364 J µg/Kg	.222 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#169	.716 U µg/Kg	.716 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Hexachlorobiphenyls	74.3 µg/Kg	.716 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl7-BZ#170	2.55 J µg/Kg	.833 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl7-BZ#174	1.54 µg/Kg	.170 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl7-BZ#177	1.27 µg/Kg	.239 µg/Kg
8/29/2003	BTC-008-006	607892	4749119	8	0401044-05	Cl6-BZ#153	9.16 µg/Kg	.368 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#81	.252 U µg/Kg	.252 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#101	.328 J µg/Kg	.169 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Tetrachlorobiphenyls	9.73 µg/Kg	.470 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#87	.148 J µg/Kg	.112 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#95	.138 J µg/Kg	.0868 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#99	.138 J µg/Kg	.0592 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#105	.0825 U µg/Kg	.0825 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#110	.233 J µg/Kg	.161 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#114	.0741 U µg/Kg	.0741 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#118	.339 J µg/Kg	.174 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#123	.146 U µg/Kg	.146 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Pentachlorobiphenyls	12.7 µg/Kg	.174 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#77	.254 U µg/Kg	.254 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl5-BZ#126	.129 U µg/Kg	.129 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#45	.370 U µg/Kg	.370 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl7-BZ#180	.254 J µg/Kg	.186 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl2-BZ#8	.182 U µg/Kg	.182 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#128	.159 J µg/Kg	.116 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl3-BZ#18	.920 J µg/Kg	.404 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl3-BZ#31/#28	19.1 µg/Kg	2.91 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Dichlorobiphenyls	.182 U µg/Kg	.182 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#44	.277 U µg/Kg	.277 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#74	.284 U µg/Kg	.284 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#47	.470 U µg/Kg	.470 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#49	.254 J µg/Kg	.231 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#52	.296 J µg/Kg	.262 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#56	.138 U µg/Kg	.138 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#66	.184 U µg/Kg	.184 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl4-BZ#70	.161 U µg/Kg	.161 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Trichlorobiphenyls	3.80 µg/Kg	2.91 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Monochlorobiphenyls	6.22 U µg/Kg	6.22 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Percent Lipids	.62 %	0.10 %
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Total Homologues	33.1 µg/Kg	6.22 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Decachlorobiphenyl	.106 U µg/Kg	.106 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl10-BZ#209	.106 U µg/Kg	.106 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Nonachlorobiphenyls	.226 U µg/Kg	.226 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl9-BZ#206	.226 U µg/Kg	.226 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Octachlorobiphenyls	1.64 µg/Kg	.195 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl8-BZ#201	.169 U µg/Kg	.169 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl8-BZ#195	.193 U µg/Kg	.193 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl8-BZ#194	.195 U µg/Kg	.195 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Heptachlorobiphenyls	1.03 µg/Kg	.436 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl7-BZ#187	.116 J µg/Kg	.0931 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl7-BZ#174	.0889 U µg/Kg	.0889 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl7-BZ#183	.0846 U µg/Kg	.0846 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl7-BZ#177	.125 U µg/Kg	.125 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl7-BZ#170	.436 U µg/Kg	.436 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Hexachlorobiphenyls	4.20 µg/Kg	.375 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#169	.375 U µg/Kg	.375 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#167	.116 U µg/Kg	.116 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#158	.0910 U µg/Kg	.0910 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#157	.328 J µg/Kg	.108 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#156	.138 U µg/Kg	.138 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#153	.254 J µg/Kg	.193 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#151	.224 U µg/Kg	.224 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#149	.222 J µg/Kg	.135 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#146	.106 U µg/Kg	.106 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl6-BZ#138	.296 J µg/Kg	.167 µg/Kg
9/4/2003	BTC-009-001	590932	4718536	9	0312035-18	Cl7-BZ#189	.167 U µg/Kg	.167 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#138	.303 J µg/Kg	.160 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Heptachlorobiphenyls	.626 µg/Kg	.416 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#149	.212 J µg/Kg	.129 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#151	.214 U µg/Kg	.214 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#153	.293 J µg/Kg	.184 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#156	.131 U µg/Kg	.131 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#157	.354 J µg/Kg	.103 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#158	.0869 U µg/Kg	.0869 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#167	.111 U µg/Kg	.111 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#169	.358 U µg/Kg	.358 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Hexachlorobiphenyls	4.50 µg/Kg	.358 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl7-BZ#170	.416 U µg/Kg	.416 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl7-BZ#174	.0848 U µg/Kg	.0848 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl7-BZ#177	.119 U µg/Kg	.119 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#146	.101 U µg/Kg	.101 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl7-BZ#187	.141 J µg/Kg	.0889 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl7-BZ#180	.283 J µg/Kg	.178 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl8-BZ#194	.186 U µg/Kg	.186 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl8-BZ#195	.184 U µg/Kg	.184 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl8-BZ#201	.162 U µg/Kg	.162 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Octachlorobiphenyls	1.72 µg/Kg	.186 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl9-BZ#206	.216 U µg/Kg	.216 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Nonachlorobiphenyls	.216 U µg/Kg	.216 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl10-BZ#209	.101 U µg/Kg	.101 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Decachlorobiphenyl	.101 U µg/Kg	.101 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Total Homologues	27.4 µg/Kg	5.94 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Percent Lipids	1.2 %	0.10 %
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Pentachlorobiphenyls	8.70 µg/Kg	.166 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Monochlorobiphenyls	5.94 U µg/Kg	5.94 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl7-BZ#183	.0808 U µg/Kg	.0808 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#44	.265 U µg/Kg	.265 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#70	.154 U µg/Kg	.154 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#66	.176 U µg/Kg	.176 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#56	.131 U µg/Kg	.131 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#52	.303 J µg/Kg	.250 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#49	.220 U µg/Kg	.220 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#74	.271 U µg/Kg	.271 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#45	.354 U µg/Kg	.354 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Dichlorobiphenyls	.174 U µg/Kg	.174 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Trichlorobiphenyls	6.87 µg/Kg	2.78 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl3-BZ#31/#28	35.9 µg/Kg	2.78 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl3-BZ#18	2.39 µg/Kg	.386 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl6-BZ#128	.111 U µg/Kg	.111 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl2-BZ#8	.174 U µg/Kg	.174 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl7-BZ#189	.160 U µg/Kg	.160 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#47	.449 U µg/Kg	.449 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#118	.283 J µg/Kg	.166 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#123	.139 U µg/Kg	.139 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#114	.0707 U µg/Kg	.0707 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#110	.154 U µg/Kg	.154 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#105	.0788 U µg/Kg	.0788 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#101	.273 J µg/Kg	.162 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#99	.111 J µg/Kg	.0566 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#87	.131 J µg/Kg	.107 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Tetrachlorobiphenyls	5.04 µg/Kg	.449 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#81	.240 U µg/Kg	.240 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl4-BZ#77	.242 U µg/Kg	.242 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#95	.111 J µg/Kg	.0828 µg/Kg
9/4/2003	BTC-009-002	590932	4718536	9	0312035-19	Cl5-BZ#126	.123 U µg/Kg	.123 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#151	.240 U µg/Kg	.240 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl7-BZ#174	.0953 U µg/Kg	.0953 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl7-BZ#170	.467 U µg/Kg	.467 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Hexachlorobiphenyls	3.10 µg/Kg	.401 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#169	.401 U µg/Kg	.401 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#167	.125 U µg/Kg	.125 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#158	.0975 U µg/Kg	.0975 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#157	.116 U µg/Kg	.116 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#153	.329 J µg/Kg	.206 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#149	.363 J µg/Kg	.145 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl7-BZ#177	.134 U µg/Kg	.134 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl8-BZ#201	.181 U µg/Kg	.181 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#146	.113 U µg/Kg	.113 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#156	.147 U µg/Kg	.147 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl7-BZ#180	.200 U µg/Kg	.200 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl7-BZ#183	.0907 U µg/Kg	.0907 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl7-BZ#189	.179 U µg/Kg	.179 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl7-BZ#187	.0998 U µg/Kg	.0998 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Heptachlorobiphenyls	.467 U µg/Kg	.467 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Total Homologues	14.8 µg/Kg	6.67 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl8-BZ#195	.206 U µg/Kg	.206 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#138	.533 J µg/Kg	.179 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Octachlorobiphenyls	.209 U µg/Kg	.209 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl9-BZ#206	.243 U µg/Kg	.243 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Nonachlorobiphenyls	.243 U µg/Kg	.243 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl10-BZ#209	.113 U µg/Kg	.113 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Decachlorobiphenyl	.113 U µg/Kg	.113 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#74	.304 U µg/Kg	.304 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl8-BZ#194	.209 U µg/Kg	.209 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Trichlorobiphenyls	1.70 J µg/Kg	3.12 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#66	.197 U µg/Kg	.197 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#56	.147 U µg/Kg	.147 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#52	.281 U µg/Kg	.281 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#49	.247 U µg/Kg	.247 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#47	.503 U µg/Kg	.503 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#70	.172 U µg/Kg	.172 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#44	.297 U µg/Kg	.297 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl2-BZ#8	.195 U µg/Kg	.195 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl3-BZ#31/#28	8.35 J µg/Kg	3.12 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl3-BZ#18	.433 U µg/Kg	.433 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Dichlorobiphenyls	.195 U µg/Kg	.195 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl6-BZ#128	.125 J µg/Kg	.125 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Monochlorobiphenyls	6.67 U µg/Kg	6.67 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#81	.270 U µg/Kg	.270 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#45	.397 U µg/Kg	.397 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#126	.138 U µg/Kg	.138 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Percent Lipids	.78 %	0.10 %
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Pentachlorobiphenyls	8.13 µg/Kg	.186 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#123	.156 U µg/Kg	.156 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#118	.499 J µg/Kg	.186 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#114	.0794 U µg/Kg	.0794 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#110	.499 J µg/Kg	.172 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#105	.170 J µg/Kg	.0885 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#99	.170 J µg/Kg	.0635 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#95	.352 J µg/Kg	.0930 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#87	.250 J µg/Kg	.120 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Tetrachlorobiphenyls	1.84 µg/Kg	.503 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl5-BZ#101	.544 J µg/Kg	.181 µg/Kg
9/4/2003	BTC-009-003	590932	4718536	9	0401044-06	Cl4-BZ#77	.272 U µg/Kg	.272 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#153	.163 U µg/Kg	.163 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl7-BZ#174	.0754 U µg/Kg	.0754 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl7-BZ#170	.370 U µg/Kg	.370 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Hexachlorobiphenyls	2.50 µg/Kg	.318 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#169	.318 U µg/Kg	.318 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#167	.0987 U µg/Kg	.0987 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#158	.0772 U µg/Kg	.0772 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#149	.135 J µg/Kg	.115 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#156	.117 U µg/Kg	.117 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#151	.190 U µg/Kg	.190 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl7-BZ#177	.106 U µg/Kg	.106 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#146	.0898 U µg/Kg	.0898 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Octachlorobiphenyls	.165 U µg/Kg	.165 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#157	.0916 U µg/Kg	.0916 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl7-BZ#180	.158 U µg/Kg	.158 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl7-BZ#183	.0718 U µg/Kg	.0718 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl7-BZ#189	.142 U µg/Kg	.142 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl7-BZ#187	.0790 U µg/Kg	.0790 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Heptachlorobiphenyls	.370 U µg/Kg	.370 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl8-BZ#194	.165 U µg/Kg	.165 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Total Homologues	27.6 µg/Kg	5.28 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl8-BZ#201	.144 U µg/Kg	.144 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl9-BZ#206	.192 U µg/Kg	.192 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Nonachlorobiphenyls	.192 U µg/Kg	.192 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl10-BZ#209	.0898 U µg/Kg	.0898 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Decachlorobiphenyl	.0898 U µg/Kg	.0898 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Percent Lipids	.58 %	0.10 %
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#138	.224 J µg/Kg	.142 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl8-BZ#195	.163 U µg/Kg	.163 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#49	.196 U µg/Kg	.196 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl2-BZ#8	.154 U µg/Kg	.154 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Dichlorobiphenyls	.154 U µg/Kg	.154 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl3-BZ#18	.343 U µg/Kg	.343 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl3-BZ#31/#28	5.23 J µg/Kg	2.47 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Trichlorobiphenyls	5.23 J µg/Kg	2.47 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#44	.235 U µg/Kg	.235 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl6-BZ#128	.0987 U µg/Kg	.0987 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#47	.398 U µg/Kg	.398 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Monochlorobiphenyls	5.28 U µg/Kg	5.28 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#52	.223 U µg/Kg	.223 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#56	.117 U µg/Kg	.117 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#66	.156 U µg/Kg	.156 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#70	.136 U µg/Kg	.136 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#74	.241 U µg/Kg	.241 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#114	.0628 U µg/Kg	.0628 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Pentachlorobiphenyls	13.5 µg/Kg	.147 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#45	.314 U µg/Kg	.314 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#77	.215 U µg/Kg	.215 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#126	.109 U µg/Kg	.109 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#118	.189 J µg/Kg	.147 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#110	.170 J µg/Kg	.136 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#105	.0700 U µg/Kg	.0700 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#101	.269 J µg/Kg	.144 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#99	.0503 U µg/Kg	.0503 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#95	.162 J µg/Kg	.0736 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

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<sup>3</sup>PCB results & detection limit reported on wet weight basis



**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

Hudson NRDA Database  
 Version 2.0  
 Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#87	.0951 U µg/Kg	.0951 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Tetrachlorobiphenyls	9.82 µg/Kg	.398 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl4-BZ#81	.214 U µg/Kg	.214 µg/Kg
9/4/2003	BTC-009-004	590932	4718536	9	0401044-07	Cl5-BZ#123	.124 U µg/Kg	.124 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#146	.284 J µg/Kg	.157 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#169	.558 U µg/Kg	.558 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl7-BZ#177	.186 U µg/Kg	.186 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl7-BZ#174	.157 J µg/Kg	.132 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl7-BZ#170	.649 U µg/Kg	.649 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Hexachlorobiphenyls	15.7 µg/Kg	.558 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#167	.173 U µg/Kg	.173 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#158	.205 J µg/Kg	.135 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#157	.161 U µg/Kg	.161 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#156	.252 J µg/Kg	.205 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#153	1.51 µg/Kg	.287 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#149	1.91 µg/Kg	.202 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#151	.334 U µg/Kg	.334 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl8-BZ#201	.252 U µg/Kg	.252 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#70	1.13 J µg/Kg	.240 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Total Homologues	97.4 µg/Kg	9.26 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#138	2.63 µg/Kg	.249 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl10-BZ#209	.157 U µg/Kg	.157 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Nonachlorobiphenyls	.337 U µg/Kg	.337 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Decachlorobiphenyl	.157 U µg/Kg	.157 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Octachlorobiphenyls	2.05 µg/Kg	.290 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl7-BZ#180	.315 J µg/Kg	.277 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl8-BZ#195	.287 U µg/Kg	.287 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl8-BZ#194	.290 U µg/Kg	.290 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Heptachlorobiphenyls	3.95 µg/Kg	.649 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl7-BZ#187	.205 J µg/Kg	.139 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl7-BZ#189	.249 U µg/Kg	.249 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl7-BZ#183	.126 U µg/Kg	.126 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl9-BZ#206	.337 U µg/Kg	.337 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#74	.422 U µg/Kg	.422 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Percent Lipids	.89 %	0.10 %

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on wet weight basis

**Tadpole Data Table**  
**Bullfrog (*Rana catesbeiana*) Tadpole Composites**

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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Monochlorobiphenyls	9.26 U µg/Kg	9.26 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl2-BZ#8	.271 U µg/Kg	.271 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Dichlorobiphenyls	.271 U µg/Kg	.271 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl3-BZ#18	.602 U µg/Kg	.602 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl3-BZ#31/#28	4.34 UJ µg/Kg	4.34 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Trichlorobiphenyls	4.34 U µg/Kg	.434 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#44	.599 J µg/Kg	.413 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#45	.551 U µg/Kg	.551 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#47	.700 U µg/Kg	.700 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#49	.343 U µg/Kg	.343 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#52	.740 J µg/Kg	.391 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#77	.378 U µg/Kg	.378 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#66	.678 J µg/Kg	.274 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl6-BZ#128	.599 J µg/Kg	.173 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#81	.375 U µg/Kg	.375 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Tetrachlorobiphenyls	19.4 µg/Kg	.700 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#87	1.61 µg/Kg	.167 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#95	1.67 µg/Kg	.129 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#99	1.06 µg/Kg	.0882 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#101	3.37 µg/Kg	.252 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#105	.835 µg/Kg	.123 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#110	2.82 µg/Kg	.240 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#114	.110 U µg/Kg	.110 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#118	2.46 µg/Kg	.258 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#123	.217 U µg/Kg	.217 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl5-BZ#126	.192 U µg/Kg	.192 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Pentachlorobiphenyls	55.4 µg/Kg	.258 µg/Kg
9/4/2003	BTC-009-005	590932	4718536	9	0401044-08	Cl4-BZ#56	.205 U µg/Kg	.205 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number

<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on wet weight basis

# APPENDIX D

## SEDIMENT DATA SHEETS.

## Sediment Data Table

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl2-BZ#8	8.26 J µg/Kg	2.20 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl3-BZ#18	1.57 U µg/Kg	1.57 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl3-BZ#31/#28	21.5 µg/Kg	.743 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#44	8.15 µg/Kg	.950 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#45	2.31 µg/Kg	.372 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#47	10.9 µg/Kg	.606 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#49	9.58 µg/Kg	1.06 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#52	16.4 µg/Kg	.385 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#56	7.71 J µg/Kg	1.69 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#66	18.8 µg/Kg	.606 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#70	18.9 µg/Kg	1.38 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#74	8.26 µg/Kg	.385 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#77	4.90 NJ µg/Kg	.743 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl4-BZ#81	.798 U µg/Kg	.798 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#87	6.66 J µg/Kg	.468 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#95	6.50 µg/Kg	.179 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#99	8.48 µg/Kg	.262 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#101	12.6 µg/Kg	.317 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#105	10.1 µg/Kg	.468 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#110	13.7 µg/Kg	.317 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#114	.138 U µg/Kg	.138 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#118	24.4 J µg/Kg	.840 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#123	.468 U µg/Kg	.468 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl5-BZ#126	.358 U µg/Kg	.358 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#128	3.80 J µg/Kg	1.24 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#138	15.7 J µg/Kg	.661 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#146	2.86 µg/Kg	.275 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#149	5.18 µg/Kg	.440 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#151	4.68 µg/Kg	.537 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#153	11.3 µg/Kg	.798 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#156	2.42 J µg/Kg	.991 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#157	.964 U µg/Kg	.964 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#158	1.16 J µg/Kg	.262 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#167	.881 J µg/Kg	.344 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on dry weight basis

## Sediment Data Table

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl6-BZ#169	1.02 U µg/Kg	1.02 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl7-BZ#170	3.14 J µg/Kg	.495 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl7-BZ#174	1.49 J µg/Kg	.330 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl7-BZ#177	1.49 µg/Kg	.220 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl7-BZ#180	2.04 J µg/Kg	.454 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl7-BZ#183	.771 J µg/Kg	.440 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl7-BZ#189	.523 U µg/Kg	.523 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl7-BZ#187	2.04 J µg/Kg	.454 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl8-BZ#194	.495 U µg/Kg	.495 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl8-BZ#195	.495 U µg/Kg	.495 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl8-BZ#201	.592 U µg/Kg	.592 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl9-BZ#206	.757 U µg/Kg	.757 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Cl10-BZ#209	.206 U µg/Kg	.206 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Monochlorobiphenyls	106. µg/Kg	.358 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Dichlorobiphenyls	97.2 µg/Kg	2.20 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Trichlorobiphenyls	21.2 µg/Kg	1.57 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Tetrachlorobiphenyls	296. µg/Kg	1.06 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Pentachlorobiphenyls	215. µg/Kg	.840 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Hexachlorobiphenyls	76.0 µg/Kg	1.02 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Heptachlorobiphenyls	22.6 µg/Kg	.523 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Octachlorobiphenyls	.592 U µg/Kg	.592 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Nonachlorobiphenyls	.757 U µg/Kg	.757 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Decachlorobiphenyl	.206 U µg/Kg	.206 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Total Homologues	834. µg/Kg	2.20 µg/Kg
8/19/2003	SED-001	614708	4782936	1	0312034-02	Percent Moisture	91 %	.1 %
8/19/2003	SED-001	614708	4782936	1	0312034-02	Total Organic Carbon	16 %	.010 %
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl2-BZ#8	412. µg/Kg	.691 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl3-BZ#18	160. µg/Kg	.247 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl3-BZ#31/#28	758. µg/Kg	.117 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#44	89.9 µg/Kg	.149 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#45	28.6 µg/Kg	.0584 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#47	142. µg/Kg	.0951 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#49	129. µg/Kg	.167 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#52	235. µg/Kg	.0605 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on dry weight basis

## Sediment Data Table

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#56	86.8 µg/Kg	.266 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#66	121. µg/Kg	.0951 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#70	130. µg/Kg	.216 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#74	83.2 µg/Kg	.0605 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#77	34.1 NJ µg/Kg	.117 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl4-BZ#81	.125 U µg/Kg	.125 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#87	34.0 J µg/Kg	.0735 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#95	55.9 µg/Kg	.0281 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#99	32.3 µg/Kg	.0411 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#101	64.9 µg/Kg	.0497 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#105	27.2 µg/Kg	.0735 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#110	66.4 µg/Kg	.0497 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#114	3.31 µg/Kg	.0216 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#118	64.6 J µg/Kg	.132 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#123	.0735 U µg/Kg	.0735 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl5-BZ#126	.0562 U µg/Kg	.0562 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#128	4.78 µg/Kg	.195 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#138	33.2 J µg/Kg	.104 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#146	5.79 µg/Kg	.0432 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#149	18.4 µg/Kg	.0692 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#151	10.3 µg/Kg	.0843 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#153	19.6 µg/Kg	.125 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#156	5.08 J µg/Kg	.156 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#157	1.09 µg/Kg	.151 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#158	2.70 µg/Kg	.0411 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#167	1.83 J µg/Kg	.0541 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl6-BZ#169	.160 U µg/Kg	.160 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl7-BZ#170	5.88 J µg/Kg	.0778 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl7-BZ#174	3.53 µg/Kg	.0519 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl7-BZ#177	3.11 µg/Kg	.0346 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl7-BZ#180	8.01 µg/Kg	.0713 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl7-BZ#183	2.01 µg/Kg	.0692 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl7-BZ#189	.0822 U µg/Kg	.0822 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl7-BZ#187	7.70 µg/Kg	.0713 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on dry weight basis

## Sediment Data Table

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl8-BZ#194	2.37 µg/Kg	.0778 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl8-BZ#195	.735 µg/Kg	.0778 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl8-BZ#201	3.33 µg/Kg	.0930 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl9-BZ#206	2.40 µg/Kg	.119 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Cl10-BZ#209	.640 µg/Kg	.0324 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Monochlorobiphenyls	854. µg/Kg	.0562 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Dichlorobiphenyls	2050. µg/Kg	.346 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Trichlorobiphenyls	2410. µg/Kg	.247 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Tetrachlorobiphenyls	1720. µg/Kg	.266 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Pentachlorobiphenyls	649. µg/Kg	.132 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Hexachlorobiphenyls	152. µg/Kg	.160 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Heptachlorobiphenyls	31.0 µg/Kg	.0822 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Octachlorobiphenyls	10.3 µg/Kg	.0930 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Nonachlorobiphenyls	7.31 µg/Kg	.119 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Decachlorobiphenyl	.640 µg/Kg	.0324 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Total Homologues	7880. µg/Kg	.346 µg/Kg
8/19/2003	SED-002	615054	4784338	2	0312034-01	Percent Moisture	43 %	.1 %
8/19/2003	SED-002	615054	4784338	2	0312034-01	Total Organic Carbon	2.1 %	.010 %
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl2-BZ#8	240. µg/Kg	.571 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl3-BZ#18	153. µg/Kg	.407 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl3-BZ#31/#28	654. µg/Kg	.193 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#44	64.7 µg/Kg	.246 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#45	36.1 µg/Kg	.0964 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#47	191. µg/Kg	.157 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#49	220. µg/Kg	.275 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#52	298. µg/Kg	.100 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#56	40.0 µg/Kg	.439 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#66	71.9 µg/Kg	.157 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#70	67.0 µg/Kg	.357 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#74	55.7 µg/Kg	.100 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#77	24.5 NJ µg/Kg	.193 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl4-BZ#81	.207 U µg/Kg	.207 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#87	21.8 J µg/Kg	.121 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#95	67.5 µg/Kg	.0464 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on dry weight basis

## Sediment Data Table

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#99	31.7 µg/Kg	.0678 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#101	64.9 µg/Kg	.0821 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#105	14.1 µg/Kg	.121 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#110	58.5 µg/Kg	.0821 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#114	.943 µg/Kg	.0357 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#118	39.9 J µg/Kg	.218 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#123	.121 U µg/Kg	.121 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl5-BZ#126	.0928 U µg/Kg	.0928 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#128	5.23 µg/Kg	.321 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#138	32.6 J µg/Kg	.171 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#146	5.60 µg/Kg	.0714 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#149	22.9 µg/Kg	.114 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#151	9.30 µg/Kg	.139 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#153	19.2 µg/Kg	.207 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#156	2.66 J µg/Kg	.257 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#157	.543 J µg/Kg	.250 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#158	1.38 µg/Kg	.0678 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#167	1.53 J µg/Kg	.0893 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl6-BZ#169	.264 U µg/Kg	.264 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl7-BZ#170	5.66 J µg/Kg	.128 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl7-BZ#174	3.40 µg/Kg	.0857 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl7-BZ#177	2.93 µg/Kg	.0571 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl7-BZ#180	5.38 µg/Kg	.118 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl7-BZ#183	1.73 µg/Kg	.114 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl7-BZ#189	.136 U µg/Kg	.136 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl7-BZ#187	7.08 µg/Kg	.118 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl8-BZ#194	1.94 µg/Kg	.128 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl8-BZ#195	.728 µg/Kg	.128 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl8-BZ#201	2.36 µg/Kg	.154 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl9-BZ#206	1.68 µg/Kg	.196 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Cl10-BZ#209	.371 µg/Kg	.0536 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Monochlorobiphenyls	153. µg/Kg	.0928 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Dichlorobiphenyls	869. µg/Kg	.571 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Trichlorobiphenyls	3270. µg/Kg	.407 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on dry weight basis



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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	SED-003	615436	4778442	3	0312034-03	Tetrachlorobiphenyls	1850. µg/Kg	.439 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Pentachlorobiphenyls	549. µg/Kg	.218 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Hexachlorobiphenyls	148. µg/Kg	.264 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Heptachlorobiphenyls	26.6 µg/Kg	.136 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Octachlorobiphenyls	12.3 µg/Kg	.154 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Nonachlorobiphenyls	6.74 µg/Kg	.196 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Decachlorobiphenyl	.371 µg/Kg	.0536 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Total Homologues	6880. µg/Kg	.571 µg/Kg
8/21/2003	SED-003	615436	4778442	3	0312034-03	Percent Moisture	66 %	.1 %
8/21/2003	SED-003	615436	4778442	3	0312034-03	Total Organic Carbon	4.7 %	.010 %
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl2-BZ#8	3230. µg/Kg	11.2 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl3-BZ#18	1110. µg/Kg	7.96 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl3-BZ#31/#28	4260. µg/Kg	3.77 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#44	448. µg/Kg	4.82 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#45	318. µg/Kg	1.88 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#47	1020. µg/Kg	3.07 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#49	1130. µg/Kg	5.38 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#52	2020. µg/Kg	1.96 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#56	417. µg/Kg	.277 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#66	462. µg/Kg	3.07 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#70	547. µg/Kg	6.98 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#74	329. µg/Kg	1.96 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#77	218. NJ µg/Kg	.122 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl4-BZ#81	.131 U µg/Kg	.131 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#87	190. J µg/Kg	.0766 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#95	441. µg/Kg	.908 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#99	190. µg/Kg	.0428 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#101	345. µg/Kg	1.61 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#105	93.8 µg/Kg	.0766 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#110	384. µg/Kg	1.61 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#114	13.3 µg/Kg	.0225 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#118	315. J µg/Kg	.137 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#123	.0766 U µg/Kg	.0766 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl5-BZ#126	.0586 U µg/Kg	.0586 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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## Sediment Data Table

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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#128	24.6 µg/Kg	.203 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#138	224. J µg/Kg	.108 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#146	58.4 µg/Kg	.0450 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#149	127. µg/Kg	.0721 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#151	117. µg/Kg	.0878 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#153	138. µg/Kg	.131 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#156	16.0 J µg/Kg	.162 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#157	3.36 µg/Kg	.158 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#158	8.41 µg/Kg	.0428 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#167	5.80 J µg/Kg	.0563 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl6-BZ#169	.167 U µg/Kg	.167 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl7-BZ#170	29.9 J µg/Kg	.0811 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl7-BZ#174	23.0 µg/Kg	.0541 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl7-BZ#177	26.8 µg/Kg	.0360 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl7-BZ#180	44.6 µg/Kg	.0743 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl7-BZ#183	10.6 µg/Kg	.0721 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl7-BZ#189	1.59 J µg/Kg	.0856 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl7-BZ#187	56.2 µg/Kg	.0743 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl8-BZ#194	13.2 µg/Kg	.0811 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl8-BZ#195	4.26 µg/Kg	.0811 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl8-BZ#201	22.8 µg/Kg	.0968 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl9-BZ#206	10.5 µg/Kg	.124 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Cl10-BZ#209	2.28 µg/Kg	.0338 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Monochlorobiphenyls	4990. µg/Kg	1.82 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Dichlorobiphenyls	14500. µg/Kg	11.2 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Trichlorobiphenyls	13200. µg/Kg	3.14 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Tetrachlorobiphenyls	11500. µg/Kg	5.10 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Pentachlorobiphenyls	4630. µg/Kg	.137 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Hexachlorobiphenyls	1090. µg/Kg	.167 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Heptachlorobiphenyls	187. µg/Kg	.0856 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Octachlorobiphenyls	60.5 µg/Kg	.0968 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Nonachlorobiphenyls	22.0 µg/Kg	.124 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Decachlorobiphenyl	2.28 µg/Kg	.0338 µg/Kg
8/21/2003	SED-004	615566	4778820	4	0312034-04	Total Homologues	48900. µg/Kg	3.49 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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8/21/2003	SED-004	615566	4778820	4	0312034-04	Percent Moisture	45 %	.1 %
8/21/2003	SED-004	615566	4778820	4	0312034-04	Total Organic Carbon	3.0 %	.010 %
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl2-BZ#8	173. µg/Kg	.382 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl3-BZ#18	90.3 µg/Kg	.272 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl3-BZ#31/#28	534. µg/Kg	.129 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#44	55.8 µg/Kg	.165 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#45	11.7 µg/Kg	.0645 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#47	79.5 µg/Kg	.105 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#49	87.5 µg/Kg	.184 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#52	120. µg/Kg	.0669 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#56	46.8 µg/Kg	.294 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#66	77.9 µg/Kg	.105 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#70	71.2 µg/Kg	.239 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#74	44.4 µg/Kg	.0669 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#77	10.2 NJ µg/Kg	.129 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl4-BZ#81	.139 U µg/Kg	.139 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#87	10.1 J µg/Kg	.0812 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#95	14.8 µg/Kg	.0311 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#99	10.8 µg/Kg	.0454 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#101	20.3 µg/Kg	.0549 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#105	8.55 µg/Kg	.0812 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#110	24.2 µg/Kg	.0549 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#114	.0239 U µg/Kg	.0239 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#118	21.2 J µg/Kg	.146 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#123	.0812 U µg/Kg	.0812 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl5-BZ#126	.0621 U µg/Kg	.0621 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#128	1.04 J µg/Kg	.215 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#138	7.42 J µg/Kg	.115 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#146	.946 µg/Kg	.0478 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#149	3.67 µg/Kg	.0764 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#151	1.95 µg/Kg	.0932 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#153	4.72 µg/Kg	.139 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#156	2.68 J µg/Kg	.172 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#157	.201 J µg/Kg	.167 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmider & Zell number<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on dry weight basis

## Sediment Data Table

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#158	.401 µg/Kg	.0454 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#167	.344 J µg/Kg	.0597 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl6-BZ#169	.177 U µg/Kg	.177 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl7-BZ#170	1.18 J µg/Kg	.0860 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl7-BZ#174	.421 µg/Kg	.0573 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl7-BZ#177	.325 µg/Kg	.0382 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl7-BZ#180	.745 µg/Kg	.0788 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl7-BZ#183	.191 J µg/Kg	.0764 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl7-BZ#189	.0908 U µg/Kg	.0908 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl7-BZ#187	1.00 µg/Kg	.0788 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl8-BZ#194	.0860 U µg/Kg	.0860 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl8-BZ#195	.0860 U µg/Kg	.0860 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl8-BZ#201	.344 J µg/Kg	.103 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl9-BZ#206	.131 U µg/Kg	.131 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Cl10-BZ#209	.0358 U µg/Kg	.0358 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Monochlorobiphenyls	239. µg/Kg	.0621 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Dichlorobiphenyls	662. µg/Kg	.382 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Trichlorobiphenyls	3720. µg/Kg	.272 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Tetrachlorobiphenyls	955. µg/Kg	.294 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Pentachlorobiphenyls	199. µg/Kg	.146 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Hexachlorobiphenyls	31.1 µg/Kg	.177 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Heptachlorobiphenyls	4.33 µg/Kg	.0908 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Octachlorobiphenyls	3.70 µg/Kg	.103 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Nonachlorobiphenyls	.131 U µg/Kg	.131 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Decachlorobiphenyl	.0358 U µg/Kg	.0358 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Total Homologues	5820. µg/Kg	.382 µg/Kg
8/21/2003	SED-005	609554	4754151	5	0312034-05	Percent Moisture	50 %	.1 %
8/21/2003	SED-005	609554	4754151	5	0312034-05	Total Organic Carbon	1.9 %	.010 %
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl2-BZ#8	77.4 µg/Kg	.414 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl3-BZ#18	30.4 µg/Kg	.295 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl3-BZ#31/#28	208. µg/Kg	.140 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#44	25.6 µg/Kg	.178 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#45	10.2 µg/Kg	.0698 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#47	73.5 µg/Kg	.114 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on dry weight basis

## Sediment Data Table

Hudson NRDA Database

Version 2.0

Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#49	67.5 µg/Kg	.199 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#52	89.3 µg/Kg	.0724 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#56	24.0 µg/Kg	.318 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#66	38.2 µg/Kg	.114 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#70	38.7 µg/Kg	.258 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#74	26.6 µg/Kg	.0724 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#77	14.9 NJ µg/Kg	.140 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl4-BZ#81	.150 U µg/Kg	.150 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#87	10.4 J µg/Kg	.0879 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#95	25.2 µg/Kg	.0336 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#99	12.5 µg/Kg	.0491 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#101	24.8 µg/Kg	.0594 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#105	8.70 µg/Kg	.0879 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#110	26.2 µg/Kg	.0594 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#114	.879 µg/Kg	.0258 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#118	20.5 J µg/Kg	.158 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#123	.0879 U µg/Kg	.0879 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl5-BZ#126	.0672 U µg/Kg	.0672 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#128	2.13 µg/Kg	.233 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#138	13.6 J µg/Kg	.124 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#146	2.53 µg/Kg	.0517 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#149	9.11 µg/Kg	.0827 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#151	4.05 µg/Kg	.101 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#153	8.37 µg/Kg	.150 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#156	2.36 J µg/Kg	.186 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#157	.403 J µg/Kg	.181 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#158	.765 µg/Kg	.0491 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#167	.403 J µg/Kg	.0646 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl6-BZ#169	.191 U µg/Kg	.191 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl7-BZ#170	2.49 J µg/Kg	.0930 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl7-BZ#174	1.57 µg/Kg	.0620 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl7-BZ#177	1.26 µg/Kg	.0413 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl7-BZ#180	3.17 µg/Kg	.0853 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl7-BZ#183	.920 µg/Kg	.0827 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on dry weight basis

## Sediment Data Table

Hudson NRDA Database

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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl7-BZ#189	.0982 U µg/Kg	.0982 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl7-BZ#187	3.32 µg/Kg	.0853 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl8-BZ#194	1.25 µg/Kg	.0930 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl8-BZ#195	.362 J µg/Kg	.0930 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl8-BZ#201	1.92 µg/Kg	.111 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl9-BZ#206	1.73 µg/Kg	.142 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Cl10-BZ#209	.465 µg/Kg	.0388 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Monochlorobiphenyls	45.9 µg/Kg	.0672 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Dichlorobiphenyls	270. µg/Kg	.414 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Trichlorobiphenyls	1320. µg/Kg	.295 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Tetrachlorobiphenyls	674. µg/Kg	.318 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Pentachlorobiphenyls	238. µg/Kg	.158 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Hexachlorobiphenyls	64.5 µg/Kg	.191 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Heptachlorobiphenyls	12.6 µg/Kg	.0982 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Octachlorobiphenyls	6.38 µg/Kg	.111 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Nonachlorobiphenyls	5.90 µg/Kg	.142 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Decachlorobiphenyl	.465 µg/Kg	.0388 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Total Homologues	2640. µg/Kg	.414 µg/Kg
8/22/2003	SED-006	611426	4755125	6	0312034-06	Percent Moisture	55 %	.1 %
8/22/2003	SED-006	611426	4755125	6	0312034-06	Total Organic Carbon	2.4 %	.010 %
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl2-BZ#8	2110. µg/Kg	21.2 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl3-BZ#18	773. µg/Kg	15.1 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl3-BZ#31/#28	3490. µg/Kg	7.17 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#44	725. µg/Kg	.256 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#45	343. µg/Kg	.100 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#47	1400. µg/Kg	5.84 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#49	1160. µg/Kg	10.2 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#52	1810. µg/Kg	3.72 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#56	431. µg/Kg	.456 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#66	734. µg/Kg	.163 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#70	693. µg/Kg	.371 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#74	638. µg/Kg	.104 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#77	330. NJ µg/Kg	.200 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl4-BZ#81	.215 U µg/Kg	.215 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on dry weight basis

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Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#87	270. J µg/Kg	.126 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#95	685. µg/Kg	.0482 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#99	348. µg/Kg	.0704 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#101	625. µg/Kg	.0853 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#105	151. µg/Kg	.126 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#110	656. µg/Kg	.0853 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#114	21.8 µg/Kg	.0371 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#118	559. J µg/Kg	.226 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#123	.126 U µg/Kg	.126 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl5-BZ#126	.0964 U µg/Kg	.0964 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#128	65.9 µg/Kg	.334 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#138	467. J µg/Kg	.178 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#146	96.6 µg/Kg	.0741 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#149	281. µg/Kg	.119 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#151	155. µg/Kg	.145 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#153	331. µg/Kg	.215 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#156	56.9 J µg/Kg	.267 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#157	9.74 µg/Kg	.259 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#158	21.8 µg/Kg	.0704 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#167	16.6 J µg/Kg	.0927 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl6-BZ#169	.274 U µg/Kg	.274 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl7-BZ#170	86.7 J µg/Kg	.133 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl7-BZ#174	67.2 µg/Kg	.0890 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl7-BZ#177	53.5 µg/Kg	.0593 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl7-BZ#180	126. µg/Kg	.122 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl7-BZ#183	31.1 µg/Kg	.119 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl7-BZ#189	3.97 J µg/Kg	.141 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl7-BZ#187	119. µg/Kg	.122 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl8-BZ#194	32.0 µg/Kg	.133 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl8-BZ#195	12.0 µg/Kg	.133 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl8-BZ#201	51.2 µg/Kg	.159 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl9-BZ#206	24.7 µg/Kg	.204 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Cl10-BZ#209	4.94 µg/Kg	.0556 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Monochlorobiphenyls	2440. µg/Kg	3.45 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on dry weight basis

## Sediment Data Table

Hudson NRDA Database

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Extracted 7/30/04

SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/28/2003	SED-007	614853	4781002	7	0312034-07	Dichlorobiphenyls	14200. µg/Kg	21.2 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Trichlorobiphenyls	13600. µg/Kg	5.97 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Tetrachlorobiphenyls	12400. µg/Kg	9.69 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Pentachlorobiphenyls	6340. µg/Kg	.226 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Hexachlorobiphenyls	2120. µg/Kg	.274 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Heptachlorobiphenyls	429. µg/Kg	.141 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Octachlorobiphenyls	130. µg/Kg	.159 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Nonachlorobiphenyls	45.9 µg/Kg	.204 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Decachlorobiphenyl	4.94 µg/Kg	.0556 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Total Homologues	57600. µg/Kg	.593 µg/Kg
8/28/2003	SED-007	614853	4781002	7	0312034-07	Percent Moisture	67 %	.1 %
8/28/2003	SED-007	614853	4781002	7	0312034-07	Total Organic Carbon	5.1 %	.010 %
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl2-BZ#8	145. µg/Kg	.530 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl3-BZ#18	41.8 µg/Kg	.377 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl3-BZ#31/#28	235. µg/Kg	.179 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#44	21.3 µg/Kg	.228 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#45	12.4 µg/Kg	.0894 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#47	67.1 µg/Kg	.146 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#49	74.0 µg/Kg	.255 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#52	98.6 µg/Kg	.0927 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#56	17.8 µg/Kg	.407 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#66	30.9 µg/Kg	.146 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#70	30.5 µg/Kg	.331 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#74	20.4 µg/Kg	.0927 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#77	13.2 NJ µg/Kg	.179 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl4-BZ#81	.192 U µg/Kg	.192 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#87	8.61 J µg/Kg	.113 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#95	26.0 µg/Kg	.0430 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#99	11.2 µg/Kg	.0629 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#101	23.7 µg/Kg	.0762 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#105	6.18 µg/Kg	.113 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#110	25.4 µg/Kg	.0762 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#114	.0331 U µg/Kg	.0331 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#118	17.0 J µg/Kg	.202 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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<sup>3</sup>PCB results & detection limit reported on dry weight basis



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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#123	.113 U µg/Kg	.113 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl5-BZ#126	.0861 U µg/Kg	.0861 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#128	2.42 µg/Kg	.298 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#138	15.0 J µg/Kg	.159 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#146	2.87 µg/Kg	.0662 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#149	11.5 µg/Kg	.106 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#151	4.90 µg/Kg	.129 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#153	9.67 µg/Kg	.192 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#156	3.67 J µg/Kg	.238 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#157	.715 J µg/Kg	.232 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#158	.543 µg/Kg	.0629 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#167	.503 J µg/Kg	.0828 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl6-BZ#169	.245 U µg/Kg	.245 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl7-BZ#170	3.55 J µg/Kg	.119 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl7-BZ#174	1.84 µg/Kg	.0795 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl7-BZ#177	1.47 µg/Kg	.0530 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl7-BZ#180	3.62 µg/Kg	.109 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl7-BZ#183	.914 µg/Kg	.106 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl7-BZ#189	.126 U µg/Kg	.126 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl7-BZ#187	4.79 µg/Kg	.109 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl8-BZ#194	2.12 µg/Kg	.119 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl8-BZ#195	.119 U µg/Kg	.119 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl8-BZ#201	5.32 µg/Kg	.142 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl9-BZ#206	7.97 µg/Kg	.182 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Cl10-BZ#209	2.13 µg/Kg	.0497 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Monochlorobiphenyls	112. µg/Kg	.0861 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Dichlorobiphenyls	417. µg/Kg	.530 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Trichlorobiphenyls	2970. µg/Kg	.377 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Tetrachlorobiphenyls	666. µg/Kg	.407 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Pentachlorobiphenyls	235. µg/Kg	.202 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Hexachlorobiphenyls	92.2 µg/Kg	.245 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Heptachlorobiphenyls	17.4 µg/Kg	.126 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Octachlorobiphenyls	16.8 µg/Kg	.142 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Nonachlorobiphenyls	19.6 µg/Kg	.182 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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SAMPLING DATE	FIELD ID	EASTING (NAD83 UTM18N)	NORTHING (NAD83 UTM18N)	SITE NUMBER	LAB ID	ANALYTE <sup>1</sup>	VALUE, INTERPRETIVE QUALIFIER <sup>2</sup> , AND UNITS <sup>3</sup>	DETECTION LIMIT <sup>3</sup>
8/29/2003	SED-008	607892	4749119	8	0312034-08	Decachlorobiphenyl	2.13 µg/Kg	.0497 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Total Homologues	4550. µg/Kg	.530 µg/Kg
8/29/2003	SED-008	607892	4749119	8	0312034-08	Percent Moisture	65 %	.1 %
8/29/2003	SED-008	607892	4749119	8	0312034-08	Total Organic Carbon	4.4 %	.010 %
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl2-BZ#8	.411 U µg/Kg	.411 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl3-BZ#18	.293 U µg/Kg	.293 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl3-BZ#31/#28	.139 U µg/Kg	.139 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#44	.177 U µg/Kg	.177 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#45	.0693 U µg/Kg	.0693 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#47	.298 J µg/Kg	.113 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#49	.339 J µg/Kg	.198 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#52	.493 µg/Kg	.0719 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#56	.316 U µg/Kg	.316 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#66	.113 U µg/Kg	.113 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#70	.257 U µg/Kg	.257 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#74	.0719 U µg/Kg	.0719 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#77	.139 U µg/Kg	.139 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl4-BZ#81	.149 U µg/Kg	.149 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#87	.0873 U µg/Kg	.0873 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#95	.0334 U µg/Kg	.0334 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#99	.0488 U µg/Kg	.0488 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#101	.0590 U µg/Kg	.0590 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#105	.0873 U µg/Kg	.0873 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#110	4.50 J µg/Kg	.0590 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#114	.0257 U µg/Kg	.0257 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#118	.195 J µg/Kg	.157 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#123	.0873 U µg/Kg	.0873 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl5-BZ#126	.0667 U µg/Kg	.0667 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#128	.231 U µg/Kg	.231 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#138	.123 U µg/Kg	.123 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#146	.0513 U µg/Kg	.0513 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#149	.175 J µg/Kg	.0821 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#151	.298 J µg/Kg	.100 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#153	.149 U µg/Kg	.149 µg/Kg

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

J/UJ = Estimated result or detection limit

<sup>3</sup>PCB results & detection limit reported on dry weight basis

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9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#156	.719 J µg/Kg	.185 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#157	.180 U µg/Kg	.180 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#158	.0488 U µg/Kg	.0488 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#167	.0642 U µg/Kg	.0642 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl6-BZ#169	.190 U µg/Kg	.190 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl7-BZ#170	.0924 U µg/Kg	.0924 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl7-BZ#174	.0616 U µg/Kg	.0616 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl7-BZ#177	.0411 U µg/Kg	.0411 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl7-BZ#180	.0847 U µg/Kg	.0847 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl7-BZ#183	.0821 U µg/Kg	.0821 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl7-BZ#189	.852 J µg/Kg	.0976 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl7-BZ#187	.0847 U µg/Kg	.0847 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl8-BZ#194	.0924 U µg/Kg	.0924 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl8-BZ#195	.0924 U µg/Kg	.0924 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl8-BZ#201	.110 U µg/Kg	.110 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl9-BZ#206	.141 U µg/Kg	.141 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Cl10-BZ#209	.0385 U µg/Kg	.0385 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Monochlorobiphenyls	7.10 µg/Kg	.0667 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Dichlorobiphenyls	.411 U µg/Kg	.411 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Trichlorobiphenyls	466. µg/Kg	.293 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Tetrachlorobiphenyls	.316 U µg/Kg	.316 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Pentachlorobiphenyls	19.5 µg/Kg	.157 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Hexachlorobiphenyls	10.8 µg/Kg	.190 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Heptachlorobiphenyls	.852 µg/Kg	.0976 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Octachlorobiphenyls	2.92 µg/Kg	.110 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Nonachlorobiphenyls	.141 U µg/Kg	.141 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Decachlorobiphenyl	.0385 U µg/Kg	.0385 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Total Homologues	508. µg/Kg	.411 µg/Kg
9/4/2003	SED-009	590932	4718536	9	0312034-09	Percent Moisture	49 %	.1 %
9/4/2003	SED-009	590932	4718536	9	0312034-09	Total Organic Carbon	4.2 %	.010 %

<sup>1</sup>BZ# = PCB congener Ballschmiter & Zell number<sup>2</sup>U = Non-detected result at the detection limit

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