

**Remedial Investigation/Feasibility Study
of the Clinch River/Poplar Creek
Operable Unit**

**Volume 2. Biota and Representative Concentrations
of Contaminants**

Appendixes A, B, C, D

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In response to regulators' requests, the D2 version has been reorganized. This volume differs significantly from Vol. 2 in the D1 version. Items in this volume may have appeared in a different volume in the D1 version or may be new. For a breakdown of the origin of the elements in this volume, please refer to page iii.

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Energy Systems Environmental Restoration Program

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of the Clinch River/Poplar Creek
Operable Unit**

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of Contaminants**

Appendixes A, B, C, D

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Environmental Restoration Activities
OAK RIDGE Y-12 PLANT
Oak Ridge, Tennessee 37831-8169
managed by
LOCKHEED MARTIN ENERGY SYSTEMS, INC.
for the
U.S. DEPARTMENT OF ENERGY
under contract DE-AC05-84OR21400

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NOTE: The following chart shows the various elements in this volume of *Remedial Investigation/Feasibility Study of the Clinch River/Poplar Creek Operable Unit* (DOE/OR/01-1393/D2) and their correlation to elements in the previous version of this document (DOE/OR/01-1393/D1).

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Table B1	~ Table A6
Table B2	~ Table A4
Tables B3–B4	New (Table B3, ~ Tables E1 and E2)
Tables B5–B7	New
Tables C1–C3, C5	Portions of Tables B1–B19
Table C4	Tables E4–E5, portions of Tables B1–B19
Table C6	Table E3
Table D1	New (portions of Table C6)
Tables D2–D5	Table E6, portions of Table C6
Tables D6–D7	Table C11
Table D8	New (portions of Table C6)
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EXECUTIVE SUMMARY

This report presents the findings of an investigation into contamination of the Clinch River and Poplar Creek near the U.S. Department of Energy's (DOE's) Oak Ridge Reservation (ORR) in eastern Tennessee. For more than 50 years, various hazardous and radioactive substances have been released to the environment as a result of operations and waste management activities at the ORR. In 1989, the ORR was placed on the National Priorities List (NPL), established and maintained under the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA). Under CERCLA, NPL sites must be investigated to determine the nature and extent of contamination at the site, assess the risk to human health and the environment posed by the site, and, if necessary, identify feasible remedial alternatives that could be used to clean the site and reduce risk. To facilitate the overall environmental restoration effort at the ORR, CERCLA activities are being implemented individually as distinct operable units (OUs). This document is the combined Remedial Investigation and Feasibility Study Report for the Clinch River/Poplar Creek OU.

This report is organized into five volumes, the first of which presents the main text. Chapter 1 describes the regulatory setting, and Chapter 2 broadly portrays the environmental setting. Chapter 3 depicts the operational and release history of the site and characterizes in detail the nature and extent of contamination. Chapter 4 briefly identifies other regulatory requirements that are applicable or appropriate to the site. Chapters 5 and 6 assess the risk to human health and the environment, respectively. Chapter 7 explains the purpose and organization of the feasibility study. Chapter 8 defines remedial action objectives for the site; identifies pathways and contaminants of concern; and screens general response actions, potential remedial technologies, and process options. Chapter 9 develops remedial alternatives based on the remedial action objectives, the screened technologies, and representative process options. Chapter 10 analyzes, evaluates, and compares the remedial alternatives. Chapter 11 lists the references cited in the main text.

Volumes 2-5 consist of appendices that contain supporting data and information. Volume 2 characterizes the biota on the ORR (Appendix A) and summarizes data related to contaminant concentrations in water (Appendix B), in sediment (Appendix C), and in biota (Appendix D). Volume 3 presents information related to human health risk assessment (Appendix E) and ecological risk assessments (Appendix F). Volume 4 focusses on the feasibility study, detailing the selection of remedial process options and providing the basis for the cost estimates for each remedial alternative. Appendix I presents the applicable or relevant and appropriate requirements (ARARs), which help define the extent of the remedial response. Volume 5 is a compilation of data from individual studies that were conducted as part of the overall remedial investigation. As such, the volume addresses the quality assurance objectives for measuring the data (Appendix J), presents selected historical data (Appendix K), contains data from several discrete water characterization studies (Appendix L), provides data supporting the sediment characterization (Appendix M), and contains data related to several biota characterization studies (Appendix N).

BACKGROUND

The ORR is a 34,600-acre tract of land in Anderson and Roane counties, Tennessee. It is administered by DOE, and it houses three main facilities: the Oak Ridge Y-12 Plant, the K-25 Site (formerly known as the Oak Ridge Gaseous Diffusion Plant), and Oak Ridge National Laboratory (ORNL). Each facility was created in the early 1940s as part of the U.S. government's war effort. The K-25 Site was used for the large-scale production of enriched uranium until its shutdown in 1985. The Y-12 Plant had several missions, but it primarily manufactured nuclear weapons components; production there ended in 1992. ORNL was initially a pilot-scale plant for the production of plutonium, but its post-war mission has centered on nuclear reactor research and the production of radionuclides for use in medicine and science. In addition to these operations, each plant has housed large support operations, including maintenance shops; waste treatment, storage, and disposal areas; steam plants; storm and sewer drains; and infrastructure.

The Clinch River/Poplar Creek OU is located adjacent to the ORR and consists of the Clinch River and several tributary embayments in Melton Hill and Watts Bar reservoirs. Both reservoirs are large multipurpose impoundments created and maintained by the Tennessee Valley Authority. The OU extends from the upstream boundary of the ORR at Clinch River mile (CRM) 49 in Melton Hill Reservoir, downstream to the mouth of the Clinch River in Watts Bar Reservoir at Kingston. It also includes several embayments that extend up tributary streams, including the McCoy Branch embayment of Melton Hill Reservoir and the Poplar Creek embayment [up to Poplar Creek mile (PCM) 5.5] of Watts Bar Reservoir. Originally, the OU included all of Watts Bar Reservoir downstream of the confluence of the Clinch and Tennessee rivers, but this area was segregated into a new OU (the lower Watts Bar Reservoir OU) in 1994, and a CERCLA Record of Decision was reached in 1995. No action-based remedial alternatives were implemented in lower Watts Bar Reservoir. The OU is currently being monitored to ensure that exposure to contaminants remains low.

REMEDIAL INVESTIGATION

The remedial investigation had two primary objectives: (1) to characterize the nature and extent of contamination, and (2) to assess the baseline risk to human health and the environment. Under CERCLA, if site risks are too high, remedial action is generally warranted. This investigation was implemented in a phased approach. First, existing environmental data were used to develop a preliminary site model, which considered the known or suspected contaminant sources, the physical characteristics of the site, and the environmental fate of various contaminants. An initial round (Phase 1) of limited sampling of water, sediment, and fish was then conducted (in 1989) to confirm these historical data and to refine the site model. A much more extensive sampling effort (Phase 2) was conducted in 1994 to more definitively meet the objectives.

Nature and Extent of Contamination

Several contaminant sources were included in the site model. The waters of Poplar Creek were known to receive effluent from the Y-12 Plant (and the City of Oak Ridge) via East Fork Poplar Creek (EFPC), which enters the Poplar Creek at PCM 5.5. Large quantities of elemental mercury were released from the Y-12 Plant in the late 1950s, and small quantities currently continue to

escape from contaminated buildings, equipment, and soils. Increased levels of mercury, therefore, were predicted in water, sediment, and biota of Poplar Creek downstream of EFPC. (Contamination at the Y-12 Plant and contamination in the EFPC floodplain have been addressed separately in efforts at other ORR OUs). Other contaminants known to have been released from the Y-12 Plant include uranium, polychlorinated biphenyls (PCBs), and several metals. Poplar Creek also has historically received a variety of effluents from the K-25 Site, through which the creek flows. Numerous metals, uranium, PCBs, laboratory chemicals, and organic solvents are thought to have been released from the site. In addition, the downstream reaches of Poplar Creek formerly received coal ash from the K-770 steam plant at the K-25 Site, and sediment at this location was expected to contain elevated levels of several metals, particularly arsenic.

The contaminants of potential concern in the Clinch River below Melton Hill Dam are primarily man-made radionuclides, by-products of nuclear fission. Contaminants were released to the Clinch River via White Oak Creek, which enters at CRM 20.8. Studies in the 1960s demonstrated that water-soluble radionuclides were rapidly and greatly diluted upon entering the Clinch River and were quickly transported downstream, with little loss of contaminant mass (i.e., they remained in solution). However, those contaminants that adsorbed to particulate matter became bound to particles of suspended sediment and accumulated in areas of sediment deposition. Earlier studies indicated that the principal radionuclide of potential concern in Clinch River sediment at the beginning of this investigation was ^{137}Cs , which is strongly particle-associated and has a relatively long (30-year) half-life. Because peak releases of ^{137}Cs from ORNL occurred at the same time as peak releases of mercury from the Y-12 Plant, peak concentrations of each were known to co-occur in the lower Clinch River, buried under several inches of cleaner sediment. Although one would have expected sediment in the Clinch River below White Oak Creek to contain the highest levels of ^{137}Cs and other radionuclides, there was actually very little sediment in this portion of the river, most having been scoured and transported downstream by the periodic high-volume releases of water from Melton Hill Dam, located approximately 2 miles upstream.

Current contaminant releases from ORNL are much lower than those of the 1950s and 1960s and are largely due to leaching or runoff from waste disposal areas. Most of these areas are no longer in use and are themselves the focus of environmental restoration efforts at ORNL.

Fly ash from the Y-12 steam plant was formerly disposed of in a settling pond located near the headwaters of McCoy Branch on Chestnut Ridge. As a result, several contaminants associated with coal ash, particularly arsenic, were known to be present at elevated levels in surface water and sediment in the McCoy Branch embayment of Melton Hill Reservoir. Because the embayment is bisected by a road built on fill material, conditions were expected to be worse in the upper embayment, whose water had limited mixing (via a culvert) with waters of the lower embayment and the main reservoir.

In addition to these ORR-specific concerns, it was known that fish collected on and near the reservation contained more PCBs than fish found at most upstream reference areas. PCBs had been used at each of the three facilities. The ORR as a whole has likely been a source of PCBs to the environment. However, PCBs have been widely used in transformers and in industrial operations, and numerous potential sources exist throughout eastern Tennessee. The identification of sources is difficult because PCBs bioaccumulate in fish and other organisms to much greater levels than in

water or sediment, where they are largely undetected. The extent to which the ORR had contributed to the problem was unclear.

The knowledge of these site conditions was used to guide the remedial investigation. Much of the sampling focused on Poplar Creek, where the combination of multiple sources and site conditions (e.g., areas of significant sedimentation, less water volume than in the Clinch River) were expected to result in some of the highest levels of contamination. Sampling in the Clinch River focused on fish and sediment, media in which contaminants tend to accumulate. Sediment sampling was limited in the Clinch River between Melton Hill Dam and Poplar Creek because sediment was scarce there.

The results of the site characterization phase of the remedial investigation were consistent with the site model. The nature and extent of contamination were evaluated by identifying those study reaches in which levels of any contaminant in water, sediment, or biota were elevated in comparison with levels in upstream reference reaches. The nature and extent of contamination are described as follows.

- **Arsenic in surface water and sediment of upper McCoy Branch Embayment.** Average concentrations of arsenic ($4.1 \mu\text{g/L}$) in surface water exceeded the state of Tennessee's recreation-based Ambient Water Quality Criterion. This criterion is designed to protect persons who regularly consume fish taken from a particular body of water. In sediment, elevated levels of arsenic, vanadium, and boron were found throughout McCoy Branch Embayment, but concentrations were highest in the upper embayment.
- **Radionuclide levels in water, sediment, and biota of the Clinch River downstream of White Oak Creek.** Average gross alpha and gross beta levels and mean activities of ^{90}Sr and ^3H in surface water were a factor of ten higher than reference values. These data were extremely variable, probably as a result of the extreme variability in flow below Melton Hill Dam. A conservative evaluation of the radionuclide concentrations indicated that, even immediately below White Oak Creek, the state's Ambient Water Quality Criterion for protection of domestic supplies was not exceeded.

Levels of ^{137}Cs were elevated in Clinch River sediment below the mouth of White Oak Creek. This radionuclide has a strong affinity for particles, particularly the clay minerals that make up a significant portion of Clinch River sediment. However, the discharge of water from Melton Hill Dam resulted in the scouring of most of the sediment from this portion of the river, creating larger inventories of ^{137}Cs in the lower Clinch River, where sedimentation is greater.

Bluegill sunfish and largemouth bass collected in 1989 from the Clinch River near the mouth of White Oak Creek contained ^{137}Cs at levels 100 times that of fish from upstream reference areas. Catfish were found to have levels approximately ten times that of reference areas. Although elevated, these levels do not pose a significant risk to persons or wildlife consuming these fish, so radionuclide analysis was discontinued after the initial round of sampling.

- **Mercury in surface water, sediment, and biota of Poplar Creek downstream of East Fork Poplar Creek.** Average mercury concentrations in surface water, sediment, and biota were significantly elevated in Poplar Creek downstream of EFPC in comparison with average values

upstream of EFPC. Elevated concentrations (up to 0.19 $\mu\text{g/L}$) measured in Poplar Creek surface water below EFPC and in the Clinch River downstream of Poplar Creek exceed the state's Continuous Concentration Criterion (0.012 $\mu\text{g/L}$). This criterion is designed to protect aquatic life from chronic exposure to mercury. Although also elevated above reference values, mean mercury levels in fish did not exceed the Federal Drug Administration's action level (1.0 mg/kg) in any species sampled. Several individual largemouth bass, however, had mercury levels that exceeded this value. Increased body burdens of mercury were also found in benthic organisms living in Poplar Creek, in heron eggs and chicks from a rookery near Poplar Creek, and in laboratory mink fed a diet high in fish from Poplar Creek. A decreasing gradient of biological effects, as measured by a suite of physiological and physical indices, was found to extend from upper Poplar Creek downstream through the Clinch River. This gradient in effects can be roughly correlated with a decreasing gradient in fish body burdens of mercury and PCBs in the downstream direction.

- **Metals and radionuclides in the sediment of Poplar Creek.** In addition to mercury, contaminants in Poplar Creek sediment that were elevated above reference levels were silver, arsenic, boron, cadmium, copper, chromium, nickel, vanadium, ^{238}U , ^{235}U , ^{234}U , ^{99}Tc , ^{137}Cs , and ^{60}Co . PCBs (Aroclor 1254), rarely detected in sediment anywhere in the system, were detected in Poplar Creek. As with mercury, concentrations of copper, cadmium, and chromium increased immediately below EFPC and likely represented releases from the Y-12 Plant. Concentrations of silver, nickel, ^{99}Tc , and the uranium isotopes were elevated below K-25 discharge points, and copper and chromium concentrations in this area were substantially increased above the already elevated levels found below EFPC. Increased levels of arsenic, vanadium, and boron were found in lower Poplar Creek and were associated with an area where the disposal of coal ash from the K-770 steam plant historically took place. The increased levels of ^{137}Cs and ^{60}Co were restricted to the last mile of Poplar Creek and are thought to be caused by backflow from the Clinch River, which regularly takes place as a result of reservoir operations.
- **PCBs in fish of Poplar Creek and the Clinch River.** Mean PCB levels in largemouth bass were highest in Poplar Creek. Although no bass were available from the reference reach of Poplar Creek, concentrations were still greater than at most other study and reference sites.

Mean concentrations of PCBs in catfish were highest in Phase 1 samples collected from the White Oak Creek Embayment (now part of a separate OU) and in fish from the Clinch River immediately downstream. Levels were significantly increased over those in Melton Hill and Norris Reservoir catfish. Mean concentrations in catfish from Poplar Creek below the confluence with EFPC were greater than those in catfish from above the confluence. Mean total PCB concentrations in largemouth bass did not exceed the FDA action level (2.0 mg/kg) at any location. The mean concentration in catfish did not exceed this action level at any location (except at the White Oak Creek Embayment). However, individual fish from the Clinch River and Poplar Creek had concentrations that exceeded this level.

The PCBs detected in fish flesh were almost exclusively Aroclor 1254 and Aroclor 1260. An analysis of individual PCB congeners in catfish did not reveal any patterns that could explain additional sources of PCB contamination.

Risk Assessment

The data used to characterize the nature and extent of contamination were also used to meet the second objective of the remedial investigation, risk assessment. The baseline risk assessment contained in this report consists of a human health risk assessment and an ecological risk assessment.

Risk to human health was evaluated for seven exposure scenarios, each of which contained one or more pathways through which exposure actually occurs. The seven scenarios were (1) the use of surface water as an untreated drinking water source, (2) the consumption of fish, (3) the use of the reservoir shoreline during winter drawdown, (4) swimming, (5) the hunting and consumption of waterfowl that frequent the ORR, (6) the dredging and subsequent land disposal of sediment, and (7) the use of surface water for irrigation. In each scenario, risk from carcinogens was assessed by assuming a 30-year exposure duration, and risk from noncarcinogens was assessed by assuming a 6-year exposure period. Under CERCLA, media whose pathways result in either a cumulative excess cancer risk of $1.0E-04$ or a Hazard Quotient of 1.0 (a measure of noncarcinogenic exposure) generally warrant remedial action at the site.

The human health risk assessment evaluated the risk from each contaminant for which sufficient data existed to obtain a representative concentration. Therefore, the human health risk assessment identified certain analytes whose presence did not appear to be the result of the ORR operations. Because these contaminants might have contributed significantly to overall risk, they generally were included in the risk assessment.

Thirty-five potential contaminants of concern were identified in Clinch River and Poplar Creek water, sediment, and fish. The majority of contaminants were found in deep sediment, and the greatest risks were identified through the agricultural pathways. Of the contaminants identified, only 2 in water, 7 in fish, and 19 in sediment were clearly site-related.

Eight contaminants of concern, all noncarcinogens, were identified in surface water in the OU. Five were identified in the drinking water scenario; the non-site-related analyte manganese drove the risk in all reaches except in upper McCoy Branch, where arsenic contributed most of the risk. Seven contaminants of concern were identified in the irrigation scenario, and two were identified in the swimming scenario (Poplar Creek only). The two contaminants identified in the swimming scenario (Di-n-octylphthalate and Aroclor 1254, also identified in the irrigation scenario) were detected infrequently and therefore might not be contaminants of concern. In general, the number of contaminants of concern in each scenario was greatest in Poplar Creek and least in McCoy Branch.

Seven contaminants of concern were identified in the shoreline-use scenario, which was based on contaminant concentrations in near-shore sediment only. No such data were collected for McCoy Branch embayment; therefore, assessment of this scenario was not conducted for the area. Noncarcinogenic risk was common throughout near-shore areas along both the Clinch River and Poplar Creek, and it was driven almost exclusively by manganese via inhalation of resuspended sediment. A significant ($<1.0E-04$) excess cancer risk existed in one subreach of Poplar Creek, primarily because of chromium exposure via the inhalation pathway.

Eleven contaminants of concern were found in fish. Most of the contaminants were organic compounds (PCBs and pesticide residues) and were found in catfish and largemouth bass from both the Clinch River and Poplar Creek. The excess cancer risk from the consumption of catfish exceeded $1.0\text{E}-03$ in all study reaches, primarily as a result of Aroclor 1260. The excess cancer risk from the ingestion of largemouth bass was generally equal to or less than one half of that from the ingestion of catfish. Arsenic and Aroclor 1260 were the primary contributors to carcinogenic risk from the ingestion of largemouth bass. Several radionuclides were also identified as carcinogenic contaminants of concern, but they generally contributed only a small portion of the total risk. The exception was ^{137}Cs , which contributed a significant portion of the risk associated with the ingestion of largemouth bass from the Clinch River immediately below the mouth of White Oak Creek. Contaminants of concern that were important noncarcinogens included mercury, Aroclor 1254, and chlordane in one or more species in Poplar Creek and the Clinch River.

In the dredging scenario, 31 contaminants of concern were identified in sediment. This scenario assessed the risk from contaminant exposure that would occur if dredge spoil were placed on land where it was accessible to humans. Several direct exposure pathways were evaluated, as were several agricultural scenarios in which contaminant concentrations in produce, milk, and beef were modeled from sediment contaminant concentrations.

Of the direct pathways, external exposure to gamma-emitting radionuclides in spoil from throughout most of the Clinch River (including Melton Hill Reservoir) and at the mouth of Poplar Creek would result in an excess cancer risk greater than $1.0\text{E}-04$. At all locations downstream of White Oak Creek, the primary contributor to risk via external exposure was ^{137}Cs . In Melton Hill Reservoir, the risk was primarily due to ^{60}Co from a non-DOE source (now closed) on Braden Branch. In all reaches for which data were available, manganese in spoil posed the greatest risk to adults and children via the inhalation of resuspended sediment. Barium similarly posed ubiquitous risk but generally only to children. In addition to this noncarcinogenic risk, the inhalation of resuspended spoil from lower Poplar Creek would result in an excess cancer risk of $2.1\text{E}-04$, primarily due to arsenic and chromium. Finally, the incidental ingestion of arsenic and mercury in spoil from lower Poplar Creek would be potentially harmful to children.

In the three agricultural pathways evaluated under the dredging scenario, the milk and meat ingestion pathways showed the most carcinogenic potential. Evaluation of the majority of the reaches for which data were available indicated that the ingestion of milk and beef produced with vegetation grown on dredge spoil would result in an excess cancer risk greater than $1.0\text{E}-04$ and that many reaches had risk values an order of magnitude greater. The contaminants responsible for the majority of this risk were members of a class of ubiquitous contaminants known as polycyclic aromatic hydrocarbons. In particular, benzo(a)pyrene and dibenz(a,h)anthracene drove this risk. In addition, in those reaches where it was detected, Aroclor 1260 contributed significantly to the risk. By contrast, the excess cancer risk in vegetables was generally lower, exceeding the $1.0\text{E}-04$ threshold in only two locations; in these locations the risk was driven by different analytes than in the other two pathways. In Poplar Creek adjacent to the K-25 Site, ^{99}Tc was the primary contributor to risk, although nine other analytes at this location were also of concern. At one location in the Clinch River, the organic analyte N-nitroso-di-n-propylamine was identified as a contaminant of concern but was detected in only one of three samples from that reach.

Evaluation of every subreach for which there were data indicated that one or more of the agricultural pathways posed an unacceptable risk under the dredging scenario. Fourteen noncarcinogenic contaminants of concern were identified. Risk in the milk and meat pathways was frequently driven by mercury and Aroclor 1254. Risk in the vegetable ingestion pathway was frequently driven by manganese, except in the Poplar Creek subreaches, where mercury was the concern.

The ecological baseline risk assessment estimated the ecological risk due to contaminants in the Clinch River/Poplar Creek OU. Seven assessment endpoints were evaluated during the assessment: (1) reduced species richness or abundance or the increased frequency of gross pathologies in fish; (2) reduced species richness or abundance of benthic macroinvertebrate communities; (3) reduced abundance or production of piscivorous wildlife populations; (4) reduced abundance or production of flying insectivorous wildlife populations; (5) reduced production in terrestrial plant communities; (6) reduced abundance or production of terrestrial wildlife populations; and (7) reduced viability of any individuals of a threatened or endangered species. For each endpoint, the reduction in the parameter was required to be 20% or more and to be the result of toxicity.

Three lines of evidence were used in the ecological risk assessment. First, the site and media-specific contaminant data used in the site characterization were evaluated against a series of benchmark values (e.g., the no-observed-effects level) to determine whether concentrations were great enough to cause adverse effects. Second, site-specific toxicity data were used to determine whether these levels were actually causing a toxic effect at a particular site. Finally, site-specific biological survey data (species richness and abundance) were used to help assess whether any toxicity was actually having an impact at the population or community level. When all lines of evidence were not available for each of the endpoints, risk assessment was usually based on contaminant data alone. The assessment for the fish endpoint used data on fish pathologies and fecundity as a fourth line of evidence.

The fish community in Poplar Creek was found to be at significant risk from episodically high concentrations of several metals (copper, mercury, nickel, and silver). Toxicity to fish was assessed by using several test protocols and organisms. Poplar Creek water was toxic to Japanese medaka and redbreast sunfish embryos, but not to fathead minnows or *Ceriodaphnia*. The fish community of Poplar Creek exhibited decreased species richness and abundance in comparison with a reference site with similar habitat (Bull Run Creek embayment of Melton Hill Reservoir). The results of the ecological risk assessment for fish indicated that, while individual fish were probably suffering some physiological impacts immediately below WOC, the fish community was not being significantly impacted in the Clinch River. In McCoy Branch, adverse impacts could not be ruled out, but data were unavailable for some of the lines of evidence (data on fish community, pathology, and fecundity).

The benthic macroinvertebrate community of Poplar Creek was identified as being at significant risk from several metals (arsenic, mercury, nickel, and silver) and PCBs in surface sediment. The benthic community contained fewer species and had less abundance of organisms than the communities at other sites. The toxicity data did not reveal consistently toxic effects, but in at least one test from each site a toxic response was observed in test organisms of at least one species. The benthic communities of the Clinch River and the McCoy Branch embayment were found not to be significantly impacted by contaminants.

Risks to piscivorous wildlife were assessed by using two avian species (great blue heron and osprey) and two mammalian species (mink and river otter). Two lines of evidence, biomonitoring data and contaminant data in whole fish, were available for assessing risk to heron and osprey. Partly because of their wide foraging behavior, osprey were found to be not at risk from contaminants even though mercury levels in Poplar Creek fish exceeded benchmark values. Although the data indicated that individual heron feeding exclusively in certain portions of Poplar Creek might be at risk, the local populations of the avian species were not expected to be impacted. This conclusion was supported by surveys of the reproductive success of osprey and great blue heron in Poplar Creek: the surveys found high reproduction and no increase in deformities. Mink were not identified as being at risk from contaminants in either Poplar Creek or the Clinch River. However, individual river otter feeding in Poplar Creek near the mouth of EFPC would be expected to have a significant risk of impaired reproduction. Although river otter do not currently exist within the OU, they have recently been reintroduced into east Tennessee, and the natural expansion of their range is expected to lead to their re-establishment on the ORR. Because the otter is a state threatened species, impacts to individual otter would be considered significant.

The risk to insectivorous wildlife was assessed by using one avian species, the rough-winged swallow, and two mammalian species, the gray and little brown bats. In each case, only one line of evidence (contaminant concentrations in benthic insects) was available for the assessment. These data indicate that a colony of rough-winged swallows feeding in Poplar Creek near the mouth of EFPC could suffer impaired reproductive potential as a result of mercury exposure, but the magnitude of the effects could not be evaluated. Populations of neither species of bat were found to be at risk. Although mercury concentrations in Poplar Creek were high enough to put individual bats at risk if they were to forage exclusively within this area, the foraging range of bats is great enough that this possibility is unlikely.

The ecological risk assessment for terrestrial wildlife was based on a dredging scenario much like that used in the human health risk assessment. The assessment examined risk both to the plant community that would develop on dredge spoil and to a herbivorous mammal (eastern cottontail) foraging there. A single line of evidence (contaminant concentrations in sediment) was available for use in the assessment. In the sediment of one or more study reaches, 12 metals were found at concentrations that exceeded benchmarks indicative of plant toxicity. The greatest number of metals were found in lower Poplar Creek, which contained arsenic, boron, cadmium, chromium, mercury, nickel, selenium, uranium, and vanadium. Benchmark numbers for plants were not available for a large number (i.e., 37) of the organic compounds; therefore, these analytes could not be evaluated. Populations of cottontails foraging on future spoil from lower Poplar Creek or from the Clinch River immediately downstream of Poplar Creek would be at significant risk of impaired reproduction due to levels of mercury and cadmium. A number of other analytes from these (and most other) reaches might pose a risk to individual cottontails foraging on future spoil; however, population-level effects from these contaminants would not be expected.

Ecological risk from radiation exposure was assessed separately. Risks to many of the same endpoint species were assessed, including a benthic organism (a mayfly), epibenthic (bottom-dwelling) fish, piscivorous wildlife (great blue heron), and a terrestrial herbivore (eastern cottontail). The assessment used the contaminant data for radionuclides to calculate the total radiation dose to these organisms. The DOE limit of 1.0 rad/day was used to assess acceptable exposures for most organisms; the International Atomic Energy Agency's recommended limit of 0.1 rad/day for

terrestrial organisms was used to assess exposure for cottontail rabbits. None of the calculated doses approached the appropriate benchmarks above; thus, the radiological contaminants in the various environmental media of the OU did not pose a significant ecological risk.

Based on the findings of the site characterization and risk assessments, a number of pathway and media-specific remedial goal options (RGOs) were developed for individual analytes, which represent concentrations corresponding to an ARAR or to an acceptable human health or ecological risk level. RGOs were developed only for those reaches containing one or more environmental media that exceeded one of the criteria and thus indicated the potential need for remedial action in that reach. In almost every reach studied, RGOs were developed for one or more analytes for each of the three media evaluated.

FEASIBILITY STUDY

On the basis of the remedial investigation, a feasibility study was conducted to identify remedial alternatives that would be effective in reducing contaminant concentrations or reducing or eliminating exposure and that could be feasibly implemented. The overall approach taken in the feasibility study was to focus on remedies for site-related contaminants as identified in the site characterization. Therefore, remedies were not evaluated for those reaches in which risk was primarily the result of non-site-related contaminants (e.g., manganese-driven risks in surface sediment or in water). In addition, no remedies were evaluated for surface water contaminants. Remediation of surface water is best effected at the source of the contamination, which in each case is primarily in upstream OUs. Moreover, remediation of the large volumes of flowing water is not practical. The use of institutional controls is the only remedy considered for limiting human exposure to fish. Therefore, active remedies evaluated in the feasibility study focus on site-related contaminants of concern in sediment.

Four alternatives are evaluated in the feasibility study. Alternative 1, the no-action alternative, is required by CERCLA to be evaluated. As the name implies, this alternative would be easily implemented at no cost (except for limited monitoring activities). However, the risk assessments indicate that the no-action alternative would not be protective of human health or the environment.

Alternative 2 consists of the use of only institutional controls and advisories to reduce exposure to contaminants in fish and sediment. Although not empowered under CERCLA, the state of Tennessee, the Tennessee Valley Authority, and the U.S. Army Corps of Engineers each have separate regulatory authority to regulate activities that could result in the disturbance of sediment in the Clinch River and Poplar Creek. Each of these agencies is party to an interagency agreement with DOE that requires the multiagency review, on a case-by-case basis, of all permit applications that propose activities with the potential to disturb sediment. The state of Tennessee currently issues fish consumption advisories warning the public to avoid or limit consumption of certain species of fish in which contaminant levels are unacceptably high. Currently, the state warns against the consumption of catfish from Melton Hill Reservoir and recommends limiting the consumption of catfish and sauger from the Clinch River below Melton Hill Dam. In both cases, the advisory is based on total PCB levels. The overall cost of implementing alternative 2, including future monitoring and administrative costs, is estimated to be \$3.4M annually.

Alternative 3 incorporates the institutional controls described in alternative 2 and in addition proposes the combined containment and removal of contaminated sediment from Poplar Creek. As noted earlier, the near-shore area (bottom elevation >733 ft msl) of Poplar Creek adjacent to the K-25 Site contained elevated levels of chromium that could result in an excess cancer risk greater than $1.0E-04$ via the inhalation pathway. Peak concentrations were found over an estimated 99,200-ft² area. Containment of contaminants in this area with a geotextile membrane and riprap would cost approximately \$5.5M to implement. In addition, the presence of several contaminants in the sediment of Poplar Creek posed a risk to benthic organisms. Seven separate locations in Poplar Creek would be remediated, through the use of a combination of sediment containment technologies in the near-shore areas (bottom elevation >733 ft msl) and sediment removal technologies in deep water areas (bottom elevation <733 ft msl). A total area of 388,800 ft² is proposed for containment, and a total of 179,250 yd³ for removal (the top 3 ft of sediment), at a total cost of \$109.6M. Removal of the deep sediment would also address the potential for future risks to human health and the environment in the dredging scenario.

Alternative 4 also incorporates the institutional controls of alternative 2, but in addition it proposes the removal of contaminated sediment from Poplar Creek. The near-shore area of Poplar Creek that is adjacent to the K-25 Site and that poses an excess risk to human health would require the removal and safe disposal of approximately 12,800 yd³ of sediment at a cost of approximately \$9.5M. Removal of those sediments in Poplar Creek that pose an ecological risk would require the removal and safe disposal of approximately 226,500 yd³ of sediment, at a cost of approximately \$123.5M. Because benthic habitat extends bank-to-bank, addressing the existing ecological risk by removing sediment would also address both the existing human health risk in the near-shore scenario and the potential for future human health risk and ecological risk in the dredging scenario.

Appendix A
OAK RIDGE RESERVATION BIOTA

Table A1. List of the dominant and common plant species and their wetland indicator classifications (Reed 1988) identified during wetland surveys of selected areas along the Clinch River and its tributaries

COMMON NAME	SCIENTIFIC NAME	REGIONAL INDICATOR ^a
<u>TREES</u>		
American elm	<i>Ulmus americanus</i>	FACW
Bald cypress	<i>Taxodium distichum</i>	OBL
Black willow	<i>Salix nigra</i>	OBL
Box elder	<i>Acer negundo</i>	FACW
Cottonwood	<i>Populus deltoides</i>	FAC+
Green ash	<i>Fraxinus pennsylvanica</i>	FACW
Hackberry	<i>Celtis occidentalis</i>	FACU
Loblolly pine	<i>Pinus taeda</i>	FAC
Red maple	<i>Acer rubrum</i>	FAC
Slippery elm	<i>Ulmus rubra</i>	FAC
Swamp white oak	<i>Quercus bicolor</i>	FACW+
Sweetgum	<i>Liquidambar styraciflua</i>	FAC
Sycamore	<i>Platanus occidentalis</i>	FACW-
Tulip poplar	<i>Liriodendron tulipifera</i>	FAC
Winged elm	<i>Ulmus alata</i>	FACU+
<u>SHRUBS</u>		
Buttonbush	<i>Cephalanthus occidentalis</i>	OBL
Elderberry	<i>Sambucus canadensis</i>	FACW-
False indigobush	<i>Amorpha fruticosa</i>	FACW
Privet	<i>Ligustrum vulgare</i>	not listed
Silky dogwood	<i>Cornus amomum</i>	FACW+
Smooth alder	<i>Alnus serrulata</i>	FACW+
<u>VINES</u>		
American potato-bean	<i>Apios americana</i>	FACW
Hog peanut	<i>Amphicarpaea bracteata</i>	FAC
Japanese honeysuckle	<i>Lonicera japonica</i>	FAC-
Poison ivy	<i>Toxicodendron radicans</i>	FAC
<u>FERNS</u>		
Sensitive fern	<i>Onoclea sensibilis</i>	FACW

Table A1 (continued)

COMMON NAME	SCIENTIFIC NAME	REGIONAL INDICATOR ^a
<u>GRASSES</u>		
Fowl manna grass	<i>Glyceria striata</i>	OBL
Indian sea-oats	<i>Chasmanthium latifolium</i>	FAC-
Microstegium	<i>Eulalia viminea</i>	FAC+
Rice cutgrass	<i>Leersia oryzoides</i>	OBL
Virginia wild rye	<i>Elymus virginicus</i>	FAC
<u>SEDGES AND RUSHES</u>		
Grass-leaf rush	<i>Juncus marginatus</i>	FACW
Soft rush	<i>Juncus effusus</i>	FACW+
Green bulrush	<i>Scirpus atrovirens</i>	OBL
Leafy bulrush	<i>Scirpus polyphyllus</i>	OBL
Woolgrass	<i>Scirpus cyperinus</i>	OBL
Blunt broom sedge	<i>Carex tribuloides</i>	FACW+
Fox sedge	<i>Carex vulpinoidea</i>	OBL
Frank's sedge	<i>Carex frankii</i>	OBL
Fringed sedge	<i>Carex crinita</i>	OBL
Sallow sedge	<i>Carex lurida</i>	OBL
Smooth sheath sedge	<i>Carex laevavaginata</i>	OBL
Stalk-grain sedge	<i>Carex stipata</i>	OBL
Many-flower flatsedge	<i>Cyperus lancastricensis</i>	FAC
Straw-color flatsedge	<i>Cyperus strigosa</i>	FACW
Yellow flatsedge	<i>Cyperus flavescens</i>	OBL
Blunt spikerush	<i>Eleocharis obtusa</i>	OBL
Creeping spikerush	<i>Eleocharis palustris</i>	OBL
<u>HERBACEOUS SPECIES</u>		
American germander	<i>Teucrium canadense</i>	FACW-
Arrowleaf tearthumb	<i>Polygonum sagittatum</i>	OBL
Broad-leaf arrowhead	<i>Sagittaria latifolia</i>	OBL
Bugleweed	<i>Lycopus virginicus</i>	OBL
Bushy St. John's-wort	<i>Hypericum densiflorum</i>	FACW-
Canada wood-nettle	<i>Laportea canadensis</i>	FACW
Cardinal flower	<i>Lobelia cardinalis</i>	OBL
Cattail	<i>Typha latifolia</i>	OBL
Creeping jennie	<i>Lysimachia nummularia</i>	FACW+
Curly dock	<i>Rumex crispus</i>	FAC
Cut-leaved water horehound	<i>Lycopus americanus</i>	OBL
Dotted smartweed	<i>Polygonum punctatum</i>	FACW+
Dotted St John's-wort	<i>Hypericum punctatum</i>	FAC
False nettle	<i>Boehmeria cylindrica</i>	FACW+
Goldenglow	<i>Rudbeckia laciniata</i>	FACW

Table A1 (continued)

COMMON NAME	SCIENTIFIC NAME	REGIONAL INDICATOR ^a
Green dragon	<i>Arisaema dracontium</i>	FACW
Halberd-leaved rosemallow	<i>Hibiscus laevis</i>	OBL
Honewort	<i>Cryptotaenia canadensis</i>	FAC+
Ironweed	<i>Vernonia noveboracensis</i>	FAC+
Jewelweed	<i>Impatiens capensis</i>	FACW
Lance leaf frog-fruit	<i>Phyla lanceolata</i>	FACW+
Lance-leaf loosestrife	<i>Lysimachia lanceolata</i>	FAC
Late-flowering thoroughwort	<i>Eupatorium serotinum</i>	FAC
Marsh bedstraw	<i>Galium tinctorium</i>	FACW
Mistflower	<i>Conoclinium coelestinum</i>	FAC
Seedbox	<i>Ludwigia</i> sp.	OBL
Slender St. John's-wort	<i>Hypericum mutilum</i>	FACW
Smooth hedge-nettle	<i>Stachys tenuifolia</i>	FACW-
Spotted joe-pye weed	<i>Eupatoriadelphus maculatus</i>	FACW-
Spotted water hemlock	<i>Cicuta maculata</i>	OBL
Spreading dayflower	<i>Commelina diffusa</i>	FACW
Square-stemmed monkeyflower	<i>Mimulus ringens</i>	OBL
Swamp milkweed	<i>Asclepias incarnata</i>	OBL
Swamp smartweed	<i>Polygonum hydropiperoides</i>	OBL
Swamp rosemallow	<i>Hibiscus moscheutos</i>	OBL
Three-lobed beggar-ticks	<i>Bidens tripartita</i>	OBL
Virginia knotweed	<i>Polygonum virginianum</i>	FAC
Water pimpernel	<i>Samolus parviflorus</i>	OBL
White avens	<i>Geum canadense</i>	FAC
Wingstem	<i>Verbesina alternifolia</i>	FAC

NOTES:

^a Regional Indicators are from Reed, P.B., 1988. National List of Plant Species That Occur in Wetlands: Tennessee. USFWS Biological Report NERC-88/18.42.

The indicator classification is based on the frequency with which a species occurs in a wetland habitat.

<u>Indicator</u>	<u>Percent Occurrence in Wetlands (in percent)</u>
OBL (Obligate)	> 99%
FACW (Facultative Wetland)	67 - 99
FAC (Facultative)	34 - 66
FACU (Facultative Upland)	1 - 33
UPL (Upland)	< 1

Table A2. Rare and endangered plants on the Oak Ridge Reservation*

Common Name	Scientific Name	Status ^b	Location ^c
Spreading False-Foxglove	<i>Aureolaria patula</i>	ST and FC	- Campbell Bend Bluffs - Poplar Creek Cliffs - Health Physics Research Reactor Lake Bluffs - Melton Dam Bluffs - White Cedar Area
Appalachian Bugbane	<i>Cimicifuga rubifolia</i>	ST and FC	- Campbell Bend Bluffs - Bull Bluff - North Hickory Creek Bend Bluffs
Pink Lady-Slipper	<i>Cypripedium acaule</i>	SE	
Tall Larkspur	<i>Delphinium exaltatum</i>	SE and FC	- McCoy Branch Embayment
Northern Bush- Honeysuckle	<i>Diervilla lonicera</i>	ST	- White Cedar Area
Branching Whitlow-Grass	<i>Draba ramosissima</i>	SSC	
Nuttall's Waterweed	<i>Elodea nuttalli</i>	SSC	
Mountain Witch-Alder	<i>Fothergilla major</i>	ST	
Golden Seal	<i>Hydrastis canadensis</i>	ST	- Raccoon Creek (mile) - Rainy Knob Bluff, Freels Bend
Butternut	<i>Juglans cinerea</i>	ST and FC	- Melton Dam Bluffs
Short-Headed Rush	<i>Juncas brachycephalus</i>	SSC	
Canada Lily	<i>Lilium candense</i>	ST	
Fen Orchid	<i>Liparis loeselii</i>	SE	
American Ginseng	<i>Panax quinquefolius</i>	ST	
Tubercled Rein-Orchid	<i>Platanthera flava var herbiola</i>	ST	
Purple Fringeless Orchid	<i>Platanthera peramoena</i>	ST and FC	

Table A2 (continued)

Common Name	Scientific Name	Status ^b	Location ^c
Careys Saxifrage	<i>Saxifraga careyana</i>	SSC	- North Hickory Creek Bend Bluffs - South Hickory Creek Bend Bluffs - Tower Shielding Bluffs - Rainy Knob Bluff, Freels Bend - Copper Ridge Outcrop
Lesser Ladies-Tresses	<i>Spiranthes ovalis</i>	SSC	
A Sedge	<i>Carex oxylepis var pubescens</i>	SSC	
Heavy Sedge	<i>Carex grvida</i>	SSC	
Pale Green Orchid	<i>Platanthera flava var herbiola</i>	ST	
Michigan Lily	<i>Lilium michiganese</i>	ST	

^a Source: Pounds, L.R., P.D. Parr, and M.G. Ryon. 1993. Resource Management Plan for the Oak Ridge Reservation, Volume 30: Oak Ridge National Environmental Research Park Natural Areas and Reference Areas- Oak Ridge Reservation Environmentally Sensitive Sites Containing Special Plants, Animals, and Communities. ORNL/NERP-8.

^b ST = State listed as Threatened
SE = State listed as Endangered
SSC = State listed as Special Concern
FC = Federal Candidate for listing as Threatened or Endangered.

^c Location specified if occurred along the Clinch River or Poplar Creek.

Table A3. Terrestrial^a animal species on the Oak Ridge Reservation

Common Name	Trophic Category ^b	Special Status ^c
<i>Birds</i>		
Gadwall	AqH	
Common Gallinule	AqH	
Mallard	AqH	
Pintail	AqH	
Tundra Swan	AqH	
Blue-Winged Teal	AqH	
American Widgeon	AqH	
Bufflehead	AqI	
Black Duck	AqI	
Ruddy Duck	AqI	
Common Goldeneye	AqI	
Pied-Billed Grebe	AqI	
Lesser Scaup	AqI	
Green-Winged Teal	AqI	
Black Tern	AqI	
Carolina Chickadee	ArI	
Brown Creeper	ArI	
Yellow-Billed Cuckoo	ArI	
Yellow-Shafted Flicker	ArI	
Golden-Crowned Kinglet	ArI	
Ruby-Crowned Kinglet	ArI	
Red-Breasted Nuthatch	ArI	
White-Breasted Nuthatch	ArI	
Baltimore Oriole	ArI	
Orchard Oriole	ArI	
American Redstart	ArI	
Yellow-Bellied Sapsucker	ArI	INM
Scarlet Tanager	ArI	
Summer Tanager	ArI	
Tufted Titmouse	ArI	
Red-Eyed Vireo	ArI	
Solitary Vireo	ArI	
White-Eyed Vireo	ArI	
Yellow-Throated Vireo	ArI	
Bay-Breasted Warbler	ArI	
Black and White Warbler	ArI	
Black-Throated Green Warbler	ArI	
Blackburnian Warbler	ArI	
Blackpoll Warbler	ArI	
Blue-Winged Warbler	ArI	
Cape May Warbler	ArI	
Cerulean Warbler	ArI	
Chestnut-Sided Warbler	ArI	
Hooded Warbler	ArI	
Magnolia Warbler	ArI	
Myrtle Warbler	ArI	

Table A3 (continued)

Common Name	Trophic Category ^b	Special Status ^c
	<i>birds (continued)</i>	
Parula Warbler	ArI	
Pine Warbler	ArI	
Prairie Warbler	ArI	
Prothonotary Warbler	ArI	
Tennessee Warbler	ArI	
Worm-Eating Warbler	ArI	
Yellow Warbler	ArI	
Yellow-Throated Warbler	ArI	
Downy Woodpecker	ArI	
Hairy Woodpecker	ArI	
Pileated Woodpecker	ArI	
Red-Bellied Woodpecker	ArI	
Red-Headed Woodpecker	ArI	INM
Yellowthroat	ArI	
Eastern Bluebird	FI	
Chuck-Will's-Widow	FI	
Acadian Flycatcher	FI	
Great Crested Flycatcher	FI	
Least Flycatcher	FI	
Blue-Gray Gnatcatcher	FI	
Eastern Kingbird	FI	
Purple Martin	FI	
Common Nighthawk	FI	
Eastern Phoebe	FI	
Bank Swallow	FI	
Barn Swallow	FI	
Cliff Swallow	FI	
Rough-Winged Swallow	FI	
Chimney Swift	FI	
Whip-Poor-Will	FI	
Eastern Wood-pewee	FI	
Red-Winged Blackbird	GI	
Catbird	GI	
Brown-Headed Cowbird	GI	
Cattle Egret	GI	
Common Egret	GI	
Killdeer	GI	
Horned Lark	GI	
Eastern Meadowlark	GI	
Mockingbird	GI	
Ovenbird	GI	
American Robin	GI	
Spotted Sandpiper	GI	
Common Snipe	GI	
Starling	GI	
Brown Thrasher	GI	

Table A3 (continued)

Common Name	Trophic Category ^b	Special Status ^c
<i>birds (continued)</i>		
Gray-Cheeked Thrush	GI	
Hermit Thrush	GI	
Louisiana Water Thrush	GI	
Swainson's Thrush	GI	
Wood Thrush	GI	
Kentucky Warbler	GI	
Swainson's Warbler	GI	
American Woodcock	GI	
Bewick's Wren	GI	ST, FC
Carolina Wren	GI	
House Wren	GI	
Winter Wren	GI	
Golden Eagle	LC	SE
Peregrine Falcon	LC	FE, SE
Northern Harrier	LC	ST
Broad-Winged Hawk	LC	
Cooper's Hawk	LC	ST
Red-Shouldered Hawk	LC	INM
Red-Tailed Hawk	LC	
Sharp-Shinned Hawk	LC	ST
Sparrow Hawk	LC	
Barn Owl	LC	INM
Barred Owl	LC	
Great Horned Owl	LC	
Screech Owl	LC	
Loggerhead Shrike	LC	
Black Vulture	LC	INM
Turkey Vulture	LC	
Bobwhite	LH	
Red Crossbill	LH	
Mourning Dove	LH	
Rock Dove	LH	
Purple Finch	LH	
American Goldfinch	LH	
Canada Goose	LH	
Ruffed Grouse	LH	
Ruby-Throated Hummingbird	LH	
Slate-Colored Junco	LH	
Pine Siskin	LH	
Bachman's Sparrow	LH	SE, FC
Chipping Sparrow	LH	
Field Sparrow	LH	
Fox Sparrow	LH	
Grasshopper Sparrow	LH	ST
Henslow's Sparrow	LH	FC
House Sparrow	LH	

Table A3 (continued)

Common Name	Trophic Category ^b	Special Status ^c
<i>birds (continued)</i>		
Lark Sparrow	LH	INM
Song Sparrow	LH	
Swamp Sparrow	LH	INM
Vesper Sparrow	LH	
White-Throated Sparrow	LH	
Wild Turkey	LH	
Cedar Waxwing	LH	
Indigo Bunting	LO	
Common Canvasback	LO	
Cardinal	LO	
Yellow-Breasted Chat	LO	
American Coot	LO	
Common Crow	LO	
Ring-Necked Duck	LO	
Wood Duck	LO	
Common Grackle	LO	
Blue Grosbeak	LO	
Evening Grosbeak	LO	
Rose-Breasted Grosbeak	LO	
Blue Jay	LO	
Redhead	LO	
Rufous-Sided Towhee	LO	
Bald Eagle	P	SE, FE
Double-Crested Cormorant	P	INM
Bonaparte's Gull	P	INM
Herring Gull	P	
Ring-Billed Gull	P	
Black-Crowned Night Heron	P	
Great Blue Heron	P	
Green Heron	P	
Belted Kingfisher	P	
Common Loon	P	
Common Merganser	P	
Hooded Merganser	P	
Red-Breasted Merganser	P	SE
Osprey	P	
<i>Mammals</i>		
Big Brown Bat	FI	FC, INM
Eastern Small-Footed Bat	FI	
Evening Bat	FI	FE, SE
Gray Bat	FI	
Hoary Bat	FI	FE, SE
Indiana Bat	FI	

Table A3 (continued)

Common Name	Trophic Category ^b	Special Status ^c
<i>Mammals (continued)</i>		
Little Brown Bat	FI	
Rafinesque's Big-Eared Bat	FI	FC, INM
Red Bat	FI	
Silver-Haired Bat	FI	
Keen's Myotis	FI	
Eastern Pipistrelle	FI	
Eastern Mole	GI	
Least Shrew	GI	
Long-Tailed Shrew	GI	FC, INM
Masked Shrew	GI	INM
Short-Tailed Shrew	GI	
Smokey Shrew	GI	INM
Southeastern Shrew	GI	INM
Spotted Skunk	GI	
Stripped Skunk	GI	
Bobcat	LC	
Feral Cat	LC	
Cougar^d	LC	FE
Coyote	LC	
Feral Dog	LC	
ed Fox	LC	
Mink	LC	
River Otter^e	LC	ST
Long-Tailed Weasel	LC	
Beaver	LH	
Eastern Chipmunk	LH	
Eastern Cottontail	LH	
White-Tailed Deer	LH	
Gray Squirrel	LH	
Southern Flying Squirrel	LH	
Woodchuck	LH	
Eastern Woodrat	LH	INM
Gray Fox	LO	
Muskrat	LO	
Opossum	LO	
Raccoon	LO	
Southern Bog Lemming	SH	INM
Eastern Harvest Mouse	SH	
Meadow Vole	SH	
Pine Vole	SH	
White-Footed Mouse	SO	
Deer Mouse	SO	
Golden Mouse	SO	
Hispid Cotton Rat	SO	
Rice Rat	SO	
Meadow Jumping Mouse	SO	INM

Table A3 (continued)

Common Name	Trophic Category ^b	Special Status ^c	
<i>Mammals (continued)</i>			
Woodland Jumping Mouse	SO	INM	
House Mouse	SO		
Norway Rat	SO		
<i>Amphibians and Reptiles</i>			
Pond Slider	AqH	INM	
Cumberland Slider	AqH		
Yellow-Bellied Turtle	AqH		
Bronze Frog	AqI		
Bullfrog	AqI		
Leopard Frog	AqI		
Northern Cricket Frog	AqI		
Pickerel Frog	AqI		
Wood Frog	AqI		
Hellbender	AqI		FC, INM
Mudpuppy	AqI		
Northern Red Salamander	AqI		
Spring Salamander	AqI		
Three-Lined Salamander	AqI		
Map Turtle	AqI		
Gray Tree Frog	ArI		
Spring Peeper Frog	ArI		
Upland Chorus Frog	ArI		
Fence Lizard	ArI		
Green Anole	ArI		
Rough Green Snake	ArI		
Broadhead Skink	GI		
Five-Lined Skink	GI		
Ground Skink	GI		
Six-Line Racerunner	GI	INM INM FC, ST FC, INM	
Slender Glass Lizard	GI		
Tennessee Cave Salamander	GI		
Green Salmander	GI		
Red-Backed Salamander	GI		
Slimy Salamander	GI		
Spotted Salamander	GI		
Brown Snake	GI		
Eastern Crowned Snake	GI		
Eastern Worm Snake	GI		
Northern Ringneck Snake	GI		
Red-Bellied Snake	GI		
American-Toad	GI		
Eastern Marrow-Mouthed Toad	GI		
Eastern Spadefoot Toad	GI		
Fowler's Toad	GI		

Table A3 (continued)

Common Name	Trophic Category ^b	Special Status ^c
<i>Amphibians and reptiles (continued)</i>		
Black King Snake	LC	
Black Rat Snake	LC	
Corn Snake	LC	
Eastern Hognose Snake	LC	
Eastern Milk Snake	LC	
Garter Snake	LC	
Mole Snake	LC	
Northern Black Racer	LC	
Northern Copperhead	LC	
Northern Pine Snake	LC	FC, ST
Scarlet Snake	LC	
Timber Rattlesnake	LC	
Eastern Spiny Softshell Turtle	LC	
Snapping Turtle	LC	
Stinkpot Turtle	LC	
Striped-Neck Musk Turtle	LC	
Eastern Box Turtle	LO	
Eastern Painted Turtle	LO	
Northern Water Snake	P	
Queen Snake	P	

^aInclude water associated animals capable of moving on land.

^bAqI = aquatic invertebrate feeder; ArI = arboreal invertebrate feeder; FI = flying insectivore; GI = ground invertebrate feeder; LC = predators and scavengers with ORR-wide populations; LH = herbivores with ORR-wide populations; LO = omnivores with ORR-wide populations; P = piscivores; SH = herbivores with populations restricted to source OU-scale; SO = omnivores with populations restricted to source OU-scale.

^cFC = candidate for federal listing; FE = federally listed as endangered; INM = state listed as in need of management; SE = state listed as endangered; ST = state listed as threatened.

^dReported sightings, but probably does not occur on a regular basis.

^eNot yet sighted on the ORR, but introduced to area streams, and suitable habitat exists on the ORR.

Appendix B

WATER CHARACTERIZATION DATA TABLES

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Table B1. Summary of data sources used in characterization of contaminants in surface water. Sample sizes are for whole water. Sample sizes for filtered samples are equal except in the CRRJ Phase 1 data, where no filtered organic samples were collected and in the ORREMP data, where filtered samples are not collected.

REACHES SAMPLED																									
10	00	01	08	7.01	7.02	2.01	2.2	2.02	2.03	2.04	13	20.02	20.01	3.01	21	3.02	3.03	3.04	4.01	4.02	4.03	4.04	18	05	
CRRJ Phase 1																									
Metals	02	01	02				01		01	02				01		01		01	01		02		04		
Organics	02	01	02				01		01	01				01		01		01	01		02		04		
Radionuclides	02	01	02				01		01	03				01		01		01	01				03		
ORREMP																									
Metals	10	28					10	09		09	09	10	09		18		09		09				09		
Organics*	10	28					10	09		09	09	10	09		18		09		09				09		
Radionuclides	10	28					10	09		09	09	10	09		18		09		09				09		
CRRJ Phase 2																									
Metals	18	02	05	17	03		12	06		49				33	14	14	15	15	06		09				
Organics	18	02	05	17	03		12	06		49				13	14	14	15	15	06		09				
Radionuclides	18	02	05	17	03		12	06		49				13	14	14	15	15	06		09				
TOTAL																									
Metals	02	11	48	02	05	17	03	10	22	06	10	60	10	09	34	18	15	23	16	25	06	00	11	09	04
Organics	02	11	48	02	05	17	03	10	22	06	10	59	10	09	14	18	15	23	16	25	06	00	11	09	04
Radionuclides	02	11	48	02	05	17	03	10	22	06	10	61	10	09	14	18	15	23	16	25	06	00	09	09	03

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* The Oak Ridge Reservation Monitoring Program measures only volatile organic compounds in surface water. The Clinch River Remedial Investigation samples are for semivolatile organic compounds only.

Table B2. Analytes undetected in surface water

Analyte	Unfiltered Water		Filtered Water	
	Maximum Detection	Frequency of Detects	Maximum Detection	Frequency of Detects
1,1,1-Trichloroethane (MG/L)		0/0	5.0E-03	0/139
1,1,2,2-Tetrachloroethane (MG/L)		0/0	5.0E-03	0/139
1,1,2-Trichloroethane (MG/L)		0/0	5.0E-03	0/139
1,1-Dichloroethene (MG/L)		0/0	5.0E-03	0/139
1,2,4-Trichlorobenzene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
1,2-Dichlorobenzene (MG/L)		0/0	1.0E-02	0/19
1,2-Dichloroethane (MG/L)		0/0	5.0E-03	0/139
1,2-Dichloropropane (MG/L)		0/0	5.0E-03	0/139
1,3-Dichlorobenzene (MG/L)		0/0	1.0E-02	0/19
1,4-Dichlorobenzene (MG/L)		0/0	1.0E-02	0/19
2,2'-oxybis(1-chloropropane) (MG/L)	6.0E-03	0/188	1.0E-02	0/210
2,4,5-Trichlorophenol (MG/L)	2.4E-02	0/188	5.0E-02	0/207
2,4,6-Trichlorophenol (MG/L)	6.0E-03	0/188	1.0E-02	0/207
2,4-Dichlorophenol (MG/L)	6.0E-03	0/188	1.0E-02	0/209
2,4-Dimethylphenol (MG/L)	6.0E-03	0/188	1.0E-02	0/209
2,4-Dinitrophenol (MG/L)	2.4E-02	0/188	5.0E-02	0/209
2,4-Dinitrotoluene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
2,6-Dinitrotoluene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
2-Chloronaphthalene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
2-Chlorophenol (MG/L)	6.0E-03	0/188	1.0E-02	0/209
2-Hexanone (MG/L)		0/0	1.0E-02	0/139
2-Methyl-4,6-dinitrophenol (MG/L)	2.4E-02	0/188	5.0E-02	0/209
2-Methylnaphthalene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
2-Methylphenol (MG/L)	6.0E-03	0/188	1.0E-02	0/209
2-Nitroaniline (MG/L)	2.4E-02	0/188	5.0E-02	0/210
2-Nitrophenol (MG/L)	6.0E-03	0/188	1.0E-02	0/209
3,3'-Dichlorobenzidine (MG/L)	6.0E-03	0/188	2.0E-02	0/210
3-Nitroaniline (MG/L)	2.4E-02	0/188	5.0E-02	0/210
4,4'-DDD (MG/L)	2.2E-05	0/190	1.0E-04	0/202
4,4'-DDE (MG/L)	2.2E-05	0/190	1.0E-04	0/202
4,4'-DDT (MG/L)	2.2E-05	0/190	1.0E-04	0/202
4-Bromophenyl phenyl ether (MG/L)	6.0E-03	0/188	1.0E-02	0/210
4-Chloro-3-methylphenol (MG/L)	6.0E-03	0/188	1.0E-02	0/209
4-Chlorobenzenamine (MG/L)	6.0E-03	0/188	1.0E-02	1/202
4-Chlorophenylphenyl ether (MG/L)	6.0E-03	0/188	1.0E-02	0/210
4-Methyl-2-pentanone (MG/L)		0/0	1.0E-02	0/139
4-Methylphenol (MG/L)	6.0E-03	0/188	1.0E-02	0/209
4-Nitroaniline (MG/L)	2.4E-02	0/188	5.0E-02	0/210
4-Nitrophenol (MG/L)	2.4E-02	0/188	5.0E-02	0/209
Acenaphthene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Acenaphthylene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Aldrin (MG/L)	1.1E-05	0/190	5.0E-05	0/202
Anthracene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Benzene (MG/L)		0/0	5.0E-03	0/139

Table B2. (continued)

Analyte	Unfiltered Water		Filtered Water	
	Maximum Detection	Frequency of Detects	Maximum Detection	Frequency of Detects
Benzo(a)anthracene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Benzo(a)pyrene (MG/L)	6.0E-03	0/188	1.0E-02	0/209
Benzo(b)fluoranthene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Benzo(ghi)perylene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Benzo(k)fluoranthene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Benzoic acid (MG/L)	2.4E-02	3/188	5.0E-02	0/210
Benzyl alcohol (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Beryllium (MG/L)	3.9E-03	0/213	3.9E-03	3/377
Bis(2-chloroethoxy)methane (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Bis(2-chloroethyl) ether (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Bromide (MG/L)	1.0E-01	0/198		0/0
Bromodichloromethane (MG/L)		0/0	5.0E-03	0/139
Bromoform (MG/L)		0/0	5.0E-03	0/139
Bromomethane (MG/L)		0/0	1.0E-02	0/139
Butylbenzylphthalate (MG/L)	6.0E-03	0/188	1.0E-02	1/210
Carbazole (MG/L)	6.0E-03	0/188	6.0E-03	0/191
Carbon tetrachloride (MG/L)		0/0	5.0E-03	0/139
Cesium-137 (PCI/L)	1.4E+01	0/195	1.1E+01	31/158
Chlordane, total (MG/L)	2.2E-05	0/190	1.0E-03	1/202
Chlorobenzene (MG/L)		0/0	5.0E-03	0/139
Chloroethane (MG/L)		0/0	1.0E-02	0/139
Chloromethane (MG/L)		0/0	1.0E-02	0/139
Chrysene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Cobalt (MG/L)	1.0E-03	0/194	4.0E-03	27/358
Cobalt-60 (PCI/L)	1.2E+01	0/195	5.0E+00	21/158
Cyanide (MG/L)	2.0E-02	1/206	2.0E-02	0/330
Di-n-octylphthalate (MG/L)	6.0E-03	0/188	1.0E-02	1/210
Dibenz(a,h)anthracene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Dibenzofuran (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Dibromochloromethane (MG/L)		0/0	5.0E-03	0/139
Dieldrin (MG/L)	2.2E-05	0/190	1.0E-04	0/202
Dimethylphthalate (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Endosulfan (MG/L)	3.3E-05	0/190	1.5E-04	0/202
Endosulfan I (MG/L)	1.1E-05	0/190	5.0E-05	0/202
Endosulfan II (MG/L)	2.2E-05	0/190	1.0E-04	0/202
Endosulfan sulfate (MG/L)	2.2E-05	0/190	1.0E-04	0/200
Endrin (MG/L)	2.2E-05	0/190	1.0E-04	0/202
Endrin aldehyde (MG/L)	2.2E-05	0/190	2.1E-05	0/189
Endrin ketone (MG/L)	2.2E-05	0/190	1.0E-04	0/202
Ethylbenzene (MG/L)		0/0	5.0E-03	0/139
Fluoranthene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Fluorene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Heptachlor (MG/L)	1.1E-05	0/190	5.0E-05	0/202
Heptachlor epoxide (MG/L)	1.1E-05	0/190	5.0E-05	0/202
Hexachlorobenzene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Hexachlorobutadiene (MG/L)	6.0E-03	0/188	1.0E-02	0/210

Table B2. (continued)

Analyte	Unfiltered Water		Filtered Water	
	Maximum Detection	Frequency of Detects	Maximum Detection	Frequency of Detects
Hexachlorocyclopentadiene (MG/L)	6.0E-03	0/188	1.0E-02	
0/210Hexachloroethane (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Indeno(1,2,3-cd)pyrene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Isophorone (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Lindane (MG/L)	1.1E-05	0/190	5.0E-05	0/202
Methoxychlor (MG/L)	1.1E-04	0/190	5.0E-04	0/202
N-Nitroso-di-n-propylamine (MG/L)	6.0E-03	0/188	1.0E-02	0/210
N-Nitrosodiphenylamine (MG/L)	6.0E-03	0/188	1.0E-02	0/209
Naphthalene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Nitrobenzene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
PCB-1016 (MG/L)	2.2E-04	0/190	5.0E-04	0/202
PCB-1221 (MG/L)	4.3E-04	0/190	5.0E-04	0/202
PCB-1232 (MG/L)	2.2E-04	0/190	5.0E-04	0/202
PCB-1242 (MG/L)	2.2E-04	0/190	5.0E-04	0/202
PCB-1248 (MG/L)	2.2E-04	0/190	5.0E-04	0/202
PCB-1254 (MG/L)	2.2E-04	0/190	1.0E-03	3/202
PCB-1260 (MG/L)	2.2E-04	0/190	1.0E-03	1/202
Pentachlorophenol (MG/L)	2.4E-02	0/188	5.0E-02	0/209
Phenanthrene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Phenol (MG/L)	6.0E-03	0/188	1.0E-02	0/209
Pyrene (MG/L)	6.0E-03	0/188	1.0E-02	0/210
Styrene (MG/L)		0/0	5.0E-03	0/139
Thallium (MG/L)	2.7E-03	0/213	5.0E-03	3/363
Toxaphene (MG/L)	1.1E-03	0/190	1.1E-03	0/202
alpha-Chlordane (MG/L)	1.1E-05	0/190	5.0E-04	0/202
beta-BHC (MG/L)	1.1E-05	0/190	5.0E-05	0/202
delta-BHC (MG/L)	1.1E-05	0/190	5.0E-05	0/202
gamma-Chlordane (MG/L)	1.1E-05	0/190	5.0E-04	1/202
trans-1,3-Dichloropropene (MG/L)		0/0	5.0E-03	0/139

Table B3. Summary statistics for unfiltered (total) contaminants in surface water.

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
1,1-Dichloroethane (MG/L)	10	0/0					
	00	0/10	5.0E-03	5.0E-03 *			
	01	0/28	5.0E-03	5.0E-03 *			
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	0/10	5.0E-03	5.0E-03 *			
	02.02	0/9	5.0E-03	5.0E-03 *			
	02.03	0/0					
	02.04	0/9	5.0E-03	5.0E-03 *			
	13	0/9	5.0E-03	5.0E-03 *			
	20.02	0/10	5.0E-03	5.0E-03 *			
	20.01	0/9	5.0E-03	5.0E-03 *			
	03.01	0/0					
	21	2/18	1.2E-03	5.0E-03 *	1.2E-03	0.0E+00	1.2E-03
	03.02	0/0					
	03.03	0/9	5.0E-03	5.0E-03 *			
	03.04	0/0					
	04.01	0/9	5.0E-03	5.0E-03 *			
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	0/9	5.0E-03	5.0E-03 *			
	05	0/0					
	10	0/0					
1,2-Dichloroethene (MG/L)	00	0/10	5.0E-03	5.0E-03 *			
	01	0/28	5.0E-03	5.0E-03 *			
	08	0/0					
	07.01	0/0					
	07.02	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
1,2-Dichloroethene (MG/L)	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	0/10	5.0E-03	5.0E-03 *	.	.	.
	02.02	0/9	5.0E-03	5.0E-03 *	.	.	.
	02.03	0/0	.	.	.	.	.
	02.04	0/9	5.0E-03	5.0E-03 *	.	.	.
	13	0/9	5.0E-03	5.0E-03 *	.	.	.
	20.02	0/10	5.0E-03	5.0E-03 *	.	.	.
	20.01	0/9	5.0E-03	5.0E-03 *	.	.	.
	03.01	0/0	.	.	.	.	.
	21	8/18	5.0E-03	4.0E-02	1.5E-02	3.1E-03	2.0E-02
	03.02	0/0	.	.	.	.	.
	03.03	0/9	5.0E-03	5.0E-03 *	.	.	.
	03.04	0/0	.	.	.	.	.
	04.01	0/9	5.0E-03	5.0E-03 *	.	.	.
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	0/9	5.0E-03	5.0E-03 *	.	.	.
	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.
2-Butanone (MG/L)	00	2/10	6.5E-03	1.2E-02	7.1E-03	7.4E-04	8.4E-03
	01	4/28	1.0E-03	1.1E-02	3.4E-03	1.5E-03	5.9E-03
	08	0/0	.	.	.	.	.
	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	0/10	1.0E-02	1.0E-02 *	.	.	.
	02.02	1/9	2.0E-03	1.0E-02 *	2.0E-03	.	.
	02.03	0/0	.	.	.	.	.
	.	.	.	.	.	.	.
	.	.	.	.	.	.	.
	.	.	.	.	.	.	.

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2-Butanone (MG/L)	02.04	0/9	1.0E-02	1.0E-02 *			
	13	0/9	1.0E-02	1.0E-02 *			
	20.02	2/10	3.0E-03	1.0E-02 *	6.3E-03	3.3E-03	1.2E-02
	20.01	1/9	2.0E-03	1.0E-02 *	2.0E-03		
	03.01	0/0					
	21	1/18	1.0E-03	1.0E-02 *	1.0E-03		
	03.02	0/0					
	03.03	1/9	2.0E-03	1.0E-02 *	2.0E-03		
	03.04	0/0					
	04.01	1/9	3.0E-03	1.0E-02 *	3.0E-03		
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	1/9	2.0E-03	1.0E-02 *	2.0E-03		
	05	0/0					
4-Chlorobenzenamine (MG/L)	10	0/2	1.0E-02	1.0E-02 *			
	00	0/1	5.0E-03	5.0E-03 *			
	01	0/21	5.0E-03	1.0E-02 *			
	08	0/2	5.0E-03	5.0E-03 *			
	07.01	1/5	1.0E-03	5.0E-03 *	1.0E-03		
	07.02	0/17	5.0E-03	5.0E-03 *			
	02.01	0/2	5.0E-03	5.0E-03 *			
	22	0/1	1.0E-02	1.0E-02 *			
	02.02	0/13	5.0E-03	1.0E-02 *			
	02.03	0/5	5.0E-03	5.0E-03 *			
	02.04	0/2	5.0E-03	1.0E-02 *			
	13	0/49	5.0E-03	1.0E-02 *			
	20.02	0/0					
	20.01	0/0					
	03.01	0/12	5.0E-03	1.0E-02 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
4-Chlorobenzeneamine (MG/L)	21	0/0					
	03.02	0/11	5.0E-03	1.0E-02 *			
	03.03	0/12	5.0E-03	1.0E-02 *			
	03.04	0/15	5.0E-03	1.0E-02 *			
	04.01	0/15	5.0E-03	1.0E-02 *			
	04.02	0/4	5.0E-03	5.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/9	5.0E-03	1.0E-02 *			
	18	0/0					
	05	0/4	1.0E-02	1.0E-02 *			
	10	0/0					
	00	1/10	9.7E-03	1.0E-02 *	9.7E-03		
	01	1/28	7.0E-03	1.0E-02 *	7.0E-03		
	08	0/0					
	07.01	0/0					
	07.02	0/0					
Acetone (MG/L)	02.01	0/0					
	22	1/10	7.8E-03	1.0E-02 *	7.8E-03		
	02.02	1/9	1.0E-02	1.4E-02	1.4E-02		
	02.03	0/0					
	02.04	0/9	1.0E-02	1.0E-02 *			
	13	1/9	1.0E-02	4.5E-02	4.5E-02		
	20.02	1/10	3.0E-03	1.0E-02 *	3.0E-03		
	20.01	0/9	1.0E-02	1.0E-02 *			
	03.01	0/0					
	21	0/18	1.0E-02	1.0E-02 *			
	03.02	0/0					
	03.03	1/9	1.0E-02	1.3E-02	1.3E-02		
	03.04	0/0					
	04.01	0/9	1.0E-02	1.0E-02 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Acetone (MG/L)	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	1/9	3.0E-03	1.0E-02 *	3.0E-03	.	.
	05	0/0	.	.	.	.	.
Alkalinity as CaCO3 (MEQ/L)	10	0/0	.	.	.	.	.
	00	1/1	2.1E+00	2.1E+00	2.1E+00	.	.
	01	20/20	1.7E+00	2.5E+00	1.9E+00	4.7E-02	2.0E+00
	08	2/2	1.5E+00	1.8E+00	1.7E+00	1.5E-01	2.6E+00
	07.01	5/5	1.9E+00	2.0E+00	2.0E+00	2.0E-02	2.0E+00
	07.02	17/17	1.7E+00	2.3E+00	1.9E+00	3.2E-02	1.9E+00
	02.01	3/3	1.7E+00	2.1E+00	1.9E+00	1.2E-01	2.2E+00
	22	0/0	.	.	.	.	.
	02.02	12/12	1.6E+00	2.1E+00	1.8E+00	4.8E-02	1.9E+00
	02.03	6/6	1.6E+00	2.1E+00	1.8E+00	7.0E-02	2.0E+00
	02.04	1/1	2.4E+00	2.4E+00	2.4E+00	.	.
	13	48/48	5.0E-01	2.6E+00	1.5E+00	9.1E-02	1.6E+00
	20.02	0/0	.	.	.	.	.
	20.01	0/0	.	.	.	.	.
	03.01	26/26	5.0E-01	2.4E+00	1.3E+00	1.0E-01	1.4E+00
	21	0/0	.	.	.	.	.
	03.02	19/19	7.0E-01	2.4E+00	1.5E+00	9.3E-02	1.7E+00
	03.03	13/13	6.0E-01	2.1E+00	1.3E+00	1.3E-01	1.6E+00
	03.04	15/15	1.0E+00	2.1E+00	1.5E+00	9.6E-02	1.7E+00
	04.01	15/15	1.3E+00	2.0E+00	1.8E+00	4.7E-02	1.9E+00
	04.02	6/6	1.6E+00	1.9E+00	1.8E+00	4.5E-02	1.9E+00
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	9/9	1.1E+00	1.8E+00	1.5E+00	7.3E-02	1.6E+00
	18	0/0	.	.	.	.	.

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Alkalinity as CaCO ₃ (MEQ/L) Alkalinity as CaCO ₃ (MG/L)	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.
	00	10/10	9.0E+01	1.1E+02	1.0E+02	2.6E+00	1.1E+02
	01	28/28	7.3E+01	1.2E+02	9.7E+01	2.4E+00	1.0E+02
	08	0/0	.	.	.	.	.
	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	10/10	6.3E+01	1.3E+02	1.0E+02	5.7E+00	1.1E+02
	02.02	9/9	8.3E+01	1.2E+02	1.0E+02	3.6E+00	1.1E+02
	02.03	0/0	.	.	.	.	.
	02.04	9/9	8.3E+01	1.2E+02	1.0E+02	4.3E+00	1.1E+02
	13	9/9	4.5E+01	1.4E+02	8.3E+01	1.2E+01	1.0E+02
	20.02	10/10	8.5E+01	1.6E+02	1.3E+02	9.5E+00	1.4E+02
	20.01	9/9	9.8E+01	1.3E+02	1.1E+02	3.4E+00	1.2E+02
	03.01	0/0	.	.	.	.	.
	21	18/18	3.3E+01	1.5E+02	9.3E+01	9.3E+00	1.1E+02
	03.02	0/0	.	.	.	.	.
	03.03	9/9	3.5E+01	1.1E+02	7.8E+01	8.9E+00	9.5E+01
	03.04	0/0	.	.	.	.	.
	04.01	9/9	5.8E+01	1.1E+02	9.1E+01	5.2E+00	1.0E+02
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	9/9	4.0E+01	8.0E+01	5.7E+01	4.6E+00	6.5E+01
	05	0/0	.	.	.	.	.
Aluminum (MG/L)	10	0/0	.	.	.	.	.
	00	11/11	6.7E-02	1.1E+00	3.5E-01	8.3E-02	5.0E-01
	01	47/48	5.0E-02	1.8E+00	2.5E-01	5.0E-02	3.3E-01

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Aluminum (MG/L)	08	2/2	3.3E-02	9.4E-02	6.3E-02	3.1E-02	2.6E-01
	07.01	5/5	3.4E-02	2.4E-01	1.5E-01	4.1E-02	2.3E-01
	07.02	16/17	6.0E-03	5.3E-01	1.4E-01	3.3E-02	2.0E-01
	02.01	3/3	6.0E-02	2.4E-01	1.2E-01	6.1E-02	3.0E-01
	22	10/10	6.7E-02	2.2E+00	1.0E+00	2.1E-01	1.4E+00
	02.02	21/21	4.6E-02	1.2E+00	2.4E-01	6.0E-02	3.4E-01
	02.03	6/6	3.9E-02	5.1E-01	1.7E-01	7.8E-02	3.3E-01
	02.04	10/10	9.0E-02	4.7E-01	2.4E-01	3.8E-02	3.1E-01
	13	56/57	5.0E-02	1.6E+00	4.2E-01	3.8E-02	4.9E-01
	20.02	10/10	6.1E-02	4.8E-01	2.2E-01	4.8E-02	3.0E-01
	20.01	7/9	5.0E-02	7.1E-01	2.1E-01	7.2E-02	3.5E-01
	03.01	33/33	5.1E-02	1.2E+00	4.5E-01	5.3E-02	5.4E-01
	21	17/18	5.0E-02	1.1E+01	1.1E+00	6.0E-01	2.1E+00
	03.02	13/13	1.2E-01	1.1E+00	3.4E-01	7.6E-02	4.8E-01
	03.03	22/22	1.5E-01	1.5E+00	5.2E-01	8.0E-02	6.5E-01
	03.04	15/15	1.3E-01	1.5E+00	4.0E-01	8.3E-02	5.5E-01
	04.01	24/24	5.8E-02	1.3E+00	3.2E-01	6.5E-02	4.3E-01
	04.02	6/6	4.2E-02	4.1E-01	1.5E-01	5.9E-02	2.7E-01
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	9/9	3.4E-02	5.8E-01	1.9E-01	5.4E-02	3.0E-01
	18	9/9	1.6E-01	2.2E+00	5.3E-01	2.2E-01	9.4E-01
	05	0/0	.	.	.	.	.
Americium-241 (PCI/L)	10	0/0	.	.	.	.	.
	00	0/0	.	.	.	.	.
	01	0/0	.	.	.	.	.
	08	0/0	.	.	.	.	.
	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	0/1	2.2E-01	2.2E-01 *	.	.	.

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Americium-241 (PCI/L)	02.02	0/0					
	02.03	0/0					
	02.04	0/0					
	13	0/0					
	20.02	0/1	2.4E-01	2.4E-01 *			
	20.01	1/1	3.8E-01	3.8E-01	3.8E-01		
	03.01	0/0					
	21	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	0/0					
	05	0/0					
	10	0/0					
	00	10/10	3.5E-02	8.0E-02	5.0E-02	5.2E-03	6.0E-02
Ammonium nitrogen (MG/L)	01	27/28	3.0E-02	9.0E-02	4.4E-02	3.4E-03	5.0E-02
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	10/10	4.5E-02	1.1E-01	6.2E-02	6.5E-03	7.4E-02
	02.02	9/9	3.0E-02	1.6E-01	5.9E-02	1.4E-02	8.4E-02
	02.03	0/0					
	02.04	8/9	2.0E-02	9.0E-02	4.8E-02	7.6E-03	6.2E-02
	13	9/9	3.4E-02	2.8E-01	1.2E-01	2.9E-02	1.7E-01
	20.02	9/10	3.0E-02	8.4E-02	4.9E-02	6.7E-03	6.1E-02

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Ammonium nitrogen (MG/L)	20.01	9/9	4.0E-02	2.4E-01	7.3E-02	2.2E-02	1.1E-01
	03.01	0/0					
	21	16/18	3.0E-02	8.6E-02	5.6E-02	4.4E-03	6.4E-02
	03.02	0/0					
	03.03	9/9	3.0E-02	6.9E-02	4.7E-02	4.2E-03	5.5E-02
	03.04	0/0					
	04.01	8/9	3.0E-02	9.0E-02	5.2E-02	6.1E-03	6.3E-02
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	9/9	3.8E-02	7.0E-02	5.0E-02	3.9E-03	5.8E-02
	05	0/0					
	10	0/2	1.9E-03	1.9E-03 *			
Antimony (MG/L)	00	0/11	1.0E-03	5.0E-02 *			
	01	1/51	1.0E-03	5.0E-02 *	1.1E-03		
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	0/5	1.0E-03	1.0E-03 *			
	07.02	1/17	1.0E-03	1.2E-03	1.2E-03		
	02.01	1/3	1.0E-03	1.3E-03	1.3E-03		
	22	0/11	1.9E-03	5.0E-02 *			
	02.02	0/22	1.0E-03	5.0E-02 *			
	02.03	0/6	1.0E-03	1.0E-03 *			
	02.04	0/11	1.0E-03	5.0E-02 *			
	13	2/58	1.0E-03	5.0E-02 *	1.1E-03	3.4E-05	1.2E-03
	20.02	0/10	5.0E-02	5.0E-02 *			
	20.01	0/9	5.0E-02	5.0E-02 *			
	03.01	2/34	1.0E-03	1.9E-03 *	1.4E-03	8.4E-06	1.4E-03
	21	0/18	5.0E-02	5.0E-02 *			
	03.02	1/14	1.0E-03	1.9E-03 *	1.2E-03		
	03.03	0/23	1.0E-03	5.0E-02 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Antimony (MG/L)	03.04	3/16	1.0E-03	1.9E-03	1.7E-03	1.6E-05	1.7E-03
	04.01	2/25	1.0E-03	5.0E-02 *	1.7E-03	2.6E-05	1.8E-03
	04.02	2/6	1.0E-03	1.7E-03	1.6E-03	2.2E-05	1.7E-03
	04.03	0/0					
	06	0/0					
	04.04	0/11	1.0E-03	1.9E-03 *			
	18	0/9	5.0E-02	5.0E-02 *			
	05	0/4	1.9E-03	1.9E-03 *			
	10	0/2	1.3E-03	1.3E-03 *			
	00	1/11	1.0E-03	5.0E-02	5.0E-02		
Arsenic (MG/L)	01	4/51	1.0E-03	5.0E-02 *	1.1E-03	3.4E-05	1.2E-03
	08	0/2	1.0E-03	3.0E-03 *			
	07.01	5/5	2.4E-03	5.4E-03	4.1E-03	5.4E-04	5.2E-03
	07.02	3/17	1.0E-03	3.0E-03 *	1.1E-03	1.0E-04	1.3E-03
	02.01	0/3	1.0E-03	3.0E-03 *			
	22	0/11	1.3E-03	5.0E-02 *	1.1E-03		
	02.02	1/22	1.0E-03	5.0E-02 *			
	02.03	0/6	1.0E-03	3.0E-03 *			
	02.04	1/11	1.1E-03	5.0E-02 *	1.1E-03		
	13	10/58	1.0E-03	5.3E-02	2.1E-03	9.4E-04	3.7E-03
	20.02	0/10	5.0E-02	5.0E-02 *			
	20.01	1/9	5.0E-02	5.5E-02	5.5E-02		
	03.01	0/34	1.0E-03	3.0E-03 *			
	21	0/18	5.0E-02	5.0E-02 *			
	03.02	1/14	1.0E-03	3.0E-03 *	1.4E-03		
	03.03	3/23	1.0E-03	5.0E-02 *	1.3E-03	9.5E-05	1.5E-03
	03.04	4/16	1.0E-03	3.0E-03 *	1.1E-03	6.4E-05	1.2E-03
	04.01	3/25	1.0E-03	5.0E-02 *	1.0E-03	2.5E-05	1.1E-03
	04.02	1/6	1.0E-03	3.0E-03 *	1.3E-03		
	04.03	0/0					
	06	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Arsenic (MG/L)	04.04	4/11	1.0E-03	3.0E-03 *	1.3E-03	2.2E-04	1.7E-03
	18	0/9	5.0E-02	5.0E-02 *			
	05	0/4	1.3E-03	1.3E-03 *			
	10	0/0					
	00	11/11	2.6E-02	1.9E-01	4.8E-02	1.4E-02	7.4E-02
	01	48/48	2.3E-02	9.2E-02	3.2E-02	1.6E-03	3.5E-02
	08	2/2	2.5E-02	2.6E-02	2.6E-02	5.0E-04	2.9E-02
	07.01	5/5	3.0E-02	4.0E-02	3.4E-02	1.7E-03	3.7E-02
	07.02	17/17	2.3E-02	3.2E-02	2.8E-02	5.6E-04	2.9E-02
	02.01	3/3	2.5E-02	3.3E-02	2.9E-02	2.4E-03	3.6E-02
Barium (MG/L)	22	10/10	2.8E-02	1.7E-01	5.4E-02	1.3E-02	7.9E-02
	02.02	21/21	2.5E-02	4.6E-02	3.0E-02	1.1E-03	3.2E-02
	02.03	6/6	2.6E-02	3.1E-02	2.9E-02	8.5E-04	3.0E-02
	02.04	9/10	1.0E-03	4.1E-02	3.0E-02	1.5E-03	3.3E-02
	13	57/57	3.1E-02	6.0E-02	4.3E-02	1.2E-03	4.5E-02
	20.02	10/10	4.4E-02	1.4E-01	7.4E-02	8.8E-03	9.0E-02
	20.01	8/9	1.0E-03	3.9E-02	3.2E-02	1.5E-03	3.4E-02
	03.01	33/33	2.8E-02	5.1E-02	3.5E-02	8.7E-04	3.6E-02
	21	16/18	1.0E-03	1.8E-01	4.8E-02	7.8E-03	6.1E-02
	03.02	13/13	2.8E-02	4.6E-02	3.8E-02	1.5E-03	4.0E-02
Beryllium (MG/L)	03.03	21/22	1.0E-03	4.7E-02	3.5E-02	1.1E-03	3.7E-02
	03.04	15/15	2.4E-02	4.1E-02	3.5E-02	1.2E-03	3.7E-02
	04.01	23/24	1.0E-03	4.4E-02	2.9E-02	1.1E-03	3.1E-02
	04.02	6/6	2.5E-02	3.0E-02	2.8E-02	6.3E-04	2.9E-02
	04.03	0/0					
	06	0/0					
	04.04	9/9	2.4E-02	2.9E-02	2.8E-02	6.2E-04	2.9E-02
	18	9/9	1.8E-02	4.0E-02	2.6E-02	2.4E-03	3.1E-02
	05	0/0					
	10	0/2	3.9E-03	3.9E-03 *			
	00	1/11	1.0E-03	1.2E-03	1.2E-03		

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Beryllium (MG/L)	01	1/51	1.0E-03	3.9E-03 *	1.4E-03		
	08	0/2	1.0E-03	2.0E-03 *			
	07.01	0/5	1.0E-03	2.0E-03 *			
	07.02	0/17	1.0E-03	2.0E-03 *			
	02.01	0/3	1.0E-03	2.0E-03 *			
	22	0/11	1.0E-03	3.9E-03 *			
	02.02	0/22	1.0E-03	3.9E-03 *			
	02.03	0/6	1.0E-03	2.0E-03 *			
	02.04	0/11	1.0E-03	3.9E-03 *			
	13	0/58	1.0E-03	3.9E-03 *			
	20.02	1/10	1.0E-03	1.0E-03	1.0E-03		
	20.01	0/9	1.0E-03	1.0E-03 *			
	03.01	0/34	1.0E-03	3.9E-03 *			
	21	0/18	1.0E-03	1.0E-03 *			
	03.02	0/14	1.0E-03	3.9E-03 *			
	03.03	0/23	1.0E-03	3.9E-03 *			
	03.04	0/16	1.0E-03	3.9E-03 *			
	04.01	0/25	1.0E-03	3.9E-03 *			
	04.02	0/6	1.0E-03	2.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/10	1.0E-03	3.9E-03 *			
Bis(2-ethylhexyl)phthalate (MG/L)	18	0/9	1.0E-03	1.0E-03 *			
	05	0/4	3.9E-03	3.9E-03 *			
	10	1/2	5.0E-03	1.0E-02 *	5.0E-03		
	00	0/1	5.0E-03	5.0E-03 *			
	01	1/23	2.0E-03	1.0E-02 *	2.0E-03		
	08	0/2	5.0E-03	5.0E-03 *			
	07.01	1/5	1.0E-03	5.0E-03 *	1.0E-03		
	07.02	1/17	5.0E-03	6.0E-03	6.0E-03		
	02.01	0/2	5.0E-03	5.0E-03 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Bis(2-ethylhexyl)phthalate (MG/L)	22	0/1	1.0E-02	1.0E-02 *			
	02.02	0/13	5.0E-03	1.1E-02 *			
	02.03	0/5	5.0E-03	5.0E-03 *			
	02.04	1/2	1.0E-02	3.8E-02	3.8E-02		
	13	0/49	5.0E-03	4.6E-02 *			
	20.02	0/0	.	.			
	20.01	0/0	.	.			
	03.01	0/13	5.0E-03	1.0E-02 *			
	21	0/0	.	.			
	03.02	2/12	2.0E-03	1.0E-02 *	2.5E-03	6.1E-04	3.6E-03
	03.03	1/13	1.0E-03	1.0E-02 *	1.0E-03		
	03.04	0/15	5.0E-03	1.0E-02 *			
	04.01	0/15	5.0E-03	1.0E-02 *			
	04.02	0/6	5.0E-03	5.0E-03 *			
	04.03	0/0	.	.			
	06	0/0	.	.			
	04.04	0/10	5.0E-03	2.2E-02 *			
	18	0/0	.	.			
	05	0/4	3.0E-03	1.0E-02 *			
	10	0/0	.	.			
Boron (MG/L)	00	1/1	2.6E-02	2.6E-02	2.6E-02		
	01	16/20	1.1E-02	1.1E-01	5.2E-02	7.6E-03	6.5E-02
	08	0/2	1.1E-02	1.8E-02 *			
	07.01	2/5	1.1E-02	8.5E-02 *	3.8E-02	9.6E-03	5.8E-02
	07.02	10/17	1.1E-02	1.1E-01	4.3E-02	8.2E-03	5.8E-02
	02.01	1/3	3.0E-03	9.0E-02	9.0E-02		
	22	0/0	.	.			
	02.02	7/12	1.1E-02	6.1E-02	4.4E-02	2.1E-03	4.8E-02
	02.03	3/6	3.0E-03	6.7E-02	4.4E-02	7.0E-03	5.8E-02
	02.04	1/1	4.3E-02	4.3E-02	4.3E-02		
	13	43/48	3.0E-03	1.6E-01	4.7E-02	4.2E-03	5.4E-02

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Boron (MG/L)	20.02	0/0					
	20.01	0/0					
	03.01	22/33	3.0E-03	1.4E-01	2.7E-02	5.9E-03	3.7E-02
	21	0/0					
	03.02	12/13	1.1E-02	1.2E-01	5.0E-02	9.9E-03	6.8E-02
	03.03	10/13	3.0E-03	9.9E-02	3.4E-02	7.3E-03	4.7E-02
	03.04	13/15	3.0E-03	1.2E-01	4.8E-02	9.6E-03	6.5E-02
	04.01	10/15	1.5E-02	1.3E-01	4.8E-02	8.8E-03	6.3E-02
	04.02	4/6	1.1E-02	4.7E-02	3.4E-02	3.3E-03	4.1E-02
	04.03	0/0					
	06	0/0					
	04.04	6/9	1.1E-02	1.1E-01	4.0E-02	1.1E-02	6.0E-02
	18	0/0					
	05	0/0					
Butylbenzylphthalate (MG/L)	10	0/2	1.0E-02	1.0E-02 *			
	00	0/1	5.0E-03	5.0E-03 *			
	01	0/23	5.0E-03	1.0E-02 *			
	08	0/2	5.0E-03	5.0E-03 *			
	07.01	0/5	5.0E-03	5.0E-03 *			
	07.02	0/17	5.0E-03	5.0E-03 *			
	02.01	0/2	5.0E-03	5.0E-03 *			
	22	0/1	1.0E-02	1.0E-02 *			
	02.02	0/13	5.0E-03	1.0E-02 *			
	02.03	0/5	5.0E-03	5.0E-03 *			
	02.04	0/2	5.0E-03	1.0E-02 *			
	13	0/49	5.0E-03	1.0E-02 *			
	20.02	0/0					
	20.01	0/0					
	03.01	0/13	5.0E-03	1.0E-02 *			
	21	0/0					
	03.02	1/12	4.0E-03	1.0E-02 *	4.0E-03		

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Butylbenzylphthalate (MG/L)	03.03	0/13	5.0E-03	1.0E-02 *			
	03.04	0/15	5.0E-03	1.0E-02 *			
	04.01	0/15	5.0E-03	1.0E-02 *			
	04.02	0/6	5.0E-03	5.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/10	5.0E-03	1.0E-02 *			
	18	0/0					
	05	0/4	1.0E-02	1.0E-02 *			
	10	0/2	2.1E-04	2.1E-04 *			
Cadmium (MG/L)	00	0/11	1.0E-03	5.0E-03 *			
	01	0/51	2.1E-04	5.0E-03 *			
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	0/5	1.0E-03	1.0E-03 *			
	07.02	0/17	1.0E-03	1.0E-03 *			
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	1/11	3.6E-04	5.0E-03 *	3.6E-04		
	02.02	0/22	2.1E-04	5.0E-03 *			
	02.03	0/6	1.0E-03	1.0E-03 *			
	02.04	0/11	3.1E-04	5.0E-03 *			
	13	0/58	2.1E-04	5.0E-03 *			
	20.02	0/10	5.0E-03	5.0E-03 *			
	20.01	0/9	5.0E-03	5.0E-03 *			
	03.01	0/34	2.1E-04	1.0E-03 *			
	21	0/18	5.0E-03	5.0E-03 *			
	03.02	0/14	2.1E-04	1.0E-03 *			
	03.03	0/23	2.1E-04	5.0E-03 *			
	03.04	0/16	2.1E-04	1.0E-03 *			
	04.01	0/25	2.1E-04	5.0E-03 *			
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Cadmium (MG/L)							
	06	0/0					
	04.04	0/11	2.1E-04	1.0E-03 *			
	18	0/9	5.0E-03	5.0E-03 *			
	05	0/4	2.1E-04	2.1E-04 *			
Calcium (MG/L)							
	10	2/2	3.4E+01	3.5E+01	3.5E+01	2.5E-01	3.6E+01
	00	11/11	2.6E+01	3.6E+01	3.2E+01	1.0E+00	3.4E+01
	01	51/51	2.3E+01	3.9E+01	3.1E+01	5.5E-01	3.2E+01
	08	2/2	2.7E+01	2.8E+01	2.8E+01	5.0E-01	3.1E+01
	07.01	5/5	3.0E+01	3.3E+01	3.2E+01	5.7E-01	3.3E+01
	07.02	17/17	2.3E+01	3.5E+01	2.9E+01	6.5E-01	3.0E+01
	02.01	3/3	2.7E+01	3.6E+01	3.1E+01	2.6E+00	3.8E+01
	22	11/11	2.3E+01	5.0E+01	3.9E+01	2.0E+00	4.3E+01
	02.02	22/22	2.3E+01	3.8E+01	2.9E+01	9.0E-01	3.1E+01
	02.03	6/6	2.3E+01	3.4E+01	2.9E+01	1.6E+00	3.2E+01
	02.04	11/11	2.6E+01	3.6E+01	3.2E+01	1.0E+00	3.4E+01
	13	58/58	1.2E+01	4.0E+01	2.6E+01	9.8E-01	2.7E+01
	20.02	10/10	3.0E+01	5.7E+01	4.3E+01	3.0E+00	4.8E+01
	20.01	9/9	3.8E+01	5.0E+01	4.4E+01	1.2E+00	4.6E+01
	03.01	33/34	2.7E-02	4.4E+01	2.4E+01	1.5E+00	2.6E+01
	21	18/18	1.2E+01	5.9E+01	3.3E+01	3.4E+00	3.9E+01
	03.02	14/14	1.6E+01	3.8E+01	2.9E+01	1.9E+00	3.2E+01
	03.03	23/23	1.4E+01	4.1E+01	2.7E+01	1.6E+00	2.9E+01
	03.04	15/16	2.7E-02	3.4E+01	2.5E+01	1.4E+00	2.8E+01
	04.01	25/25	1.9E+01	3.4E+01	2.8E+01	7.5E-01	3.0E+01
	04.02	6/6	2.6E+01	3.0E+01	2.8E+01	8.1E-01	3.0E+01
	04.03	0/0					
	06	0/0					
Carbon disulfide (MG/L)							
	04.04	10/10	1.9E+01	2.9E+01	2.4E+01	1.1E+00	2.6E+01
	18	9/9	1.5E+01	2.3E+01	1.9E+01	9.5E-01	2.0E+01
	05	4/4	1.8E+01	3.3E+01	2.2E+01	3.7E+00	3.1E+01
	10	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Carbon disulfide (MG/L)	00	0/10	5.0E-03	5.0E-03 *			
	01	0/28	5.0E-03	5.0E-03 *			
	08	0/0	.	.			
	07.01	0/0	.	.			
	07.02	0/0	.	.			
	02.01	0/0	.	.			
	22	0/10	5.0E-03	5.0E-03 *			
	02.02	0/9	5.0E-03	5.0E-03 *			
	02.03	0/0	.	.			
	02.04	1/9	5.0E-03	1.0E-02	1.0E-02		
	13	1/9	5.0E-03	2.4E-02	2.4E-02		
	20.02	0/10	5.0E-03	5.0E-03 *			
	20.01	0/9	5.0E-03	5.0E-03 *			
	03.01	0/0	.	.			
	21	0/18	5.0E-03	5.0E-03 *			
	03.02	0/0	.	.			
	03.03	2/9	4.0E-03	2.0E-02	5.8E-03	2.4E-03	1.0E-02
	03.04	0/0	.	.			
	04.01	0/9	5.0E-03	5.0E-03 *			
	04.02	0/0	.	.			
	04.03	0/0	.	.			
	06	0/0	.	.			
	04.04	0/0	.	.			
	18	0/9	5.0E-03	5.0E-03 *			
	05	0/0	.	.			
Cesium-137 (PCI/L)	10	0/2	6.7E-02	1.0E-01 *			
	00	0/10	-2.7E+01	2.1E+00 *			
	01	0/31	-4.0E+00	2.9E+00 *			
	08	0/0	.	.			
	07.01	0/0	.	.			
	07.02	0/0	.	.			

Table B3. (continued)

Analyte	Sub reach	Frequency of Defects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Cesium-137 (PCI/L)	02.01	0/0					
	22	11/11	2.8E+00	1.4E+02	5.1E+01	1.2E+01	7.3E+01
	02.02	1/10	-2.7E+00	2.9E+00 *	7.6E-03		
	02.03	0/0					
	02.04	2/10	-5.4E-01	5.5E+00	4.5E+00	1.4E-01	4.8E+00
	13	1/10	1.8E-01	1.1E+01 *	3.4E+00		
	20.02	0/10	-4.3E+00	2.3E+00 *			
	20.01	2/9	1.0E+00	7.7E+00	5.1E+00	4.2E-01	5.9E+00
	03.01	1/1	1.4E-01	1.4E-01	1.4E-01	3.9E-01	3.8E+00
	21	4/18	-2.1E+00	8.7E+00	3.2E+00		
	03.02	0/1	1.2E-01	1.2E-01 *			
	03.03	2/10	-1.1E+00	4.8E+00 *	4.9E-01	5.4E-01	1.5E+00
	03.04	1/1	2.0E-01	2.0E-01	2.0E-01		
	04.01	3/10	-2.4E+00	4.3E+00	8.8E-01	6.3E-01	2.0E+00
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	1/1	1.2E-01	1.2E-01	1.2E-01		
	18	1/9	-1.1E+00	2.9E+00	2.9E+00		
	05	1/4	4.4E-02	1.3E-01 *	4.4E-02		
Chlordane, total (MG/L)	10	0/2	1.0E-03	1.0E-03 *			
	00	0/1	2.0E-05	2.0E-05 *			
	01	0/22	2.0E-05	1.0E-03 *			
	08	0/2	2.0E-05	2.0E-05 *			
	07.01	0/5	2.0E-05	2.0E-05 *			
	07.02	0/17	2.0E-05	2.0E-05 *			
	02.01	0/2	2.0E-05	2.2E-05 *			
	22	0/1	1.0E-03	1.0E-03 *			
	02.02	0/12	2.0E-05	1.0E-03 *			
	02.03	0/4	2.0E-05	2.0E-05 *			
	02.04	0/2	1.2E-05	1.0E-03 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Chlordane, total (MG/L)	13	0/48	1.2E-05	2.2E-05 *			
	20.02	0/0	.	.			
	20.01	0/0					
	03.01	0/12	1.3E-05	2.0E-05 *			
	21	0/0		.			
	03.02	0/11	2.0E-05	2.2E-05 *			
	03.03	0/12	1.9E-05	2.0E-05 *			
	03.04	0/14	2.0E-05	2.0E-05 *			
	04.01	1/15	2.0E-05	1.0E-03 *	2.0E-05		
	04.02	0/6	2.0E-05	2.0E-05 *			
	04.03	0/0		.			
	06	0/0		.			
	04.04	0/11	2.0E-05	1.0E-03 *			
	18	0/0		.			
	05	0/3	1.0E-03	1.0E-03 *			
	10	0/0		.			
	00	10/10	2.4E+00	3.8E+00	3.2E+00	1.5E-01	3.5E+00
	01	28/28	2.4E+00	5.3E+00	3.4E+00	1.3E-01	3.6E+00
	08	0/0		.			
Chloride (MG/L)	07.01	0/0		.			
	07.02	0/0		.			
	02.01	0/0		.			
	22	10/10	2.5E+00	2.2E+01	9.4E+00	1.7E+00	1.3E+01
	02.02	9/9	3.0E+00	5.3E+00	3.8E+00	2.4E-01	4.3E+00
	02.03	0/0		.			
	02.04	9/9	3.0E+00	5.1E+00	3.7E+00	2.2E-01	4.1E+00
	13	9/9	2.0E+00	5.9E+00	3.5E+00	4.7E-01	4.4E+00
	20.02	10/10	4.5E+00	2.9E+01	8.3E+00	2.3E+00	1.3E+01
	20.01	9/9	8.2E+00	2.3E+01	1.5E+01	1.7E+00	1.8E+01
	03.01	0/0		.			
	21	18/18	1.2E+00	2.6E+01	7.1E+00	1.8E+00	1.0E+01

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Chloride (MG/L)	03.02	0/0					
	03.03	9/9	1.6E+00	1.1E+01	6.0E+00	1.0E+00	7.9E+00
	03.04	0/0					
	04.01	9/9	2.2E+00	5.3E+00	3.6E+00	2.9E-01	4.1E+00
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	9/9	3.5E+00	1.1E+01	6.6E+00	9.9E-01	8.4E+00
	05	0/0					
	10	0/0					
	00	0/10	5.0E-03	5.0E-03 *			
	01	0/28	5.0E-03	5.0E-03 *			
Chloroform (MG/L)	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	0/10	5.0E-03	5.0E-03 *			
	02.02	0/9	5.0E-03	5.0E-03 *			
	02.03	0/0					
	02.04	0/9	5.0E-03	5.0E-03 *			
	13	0/9	5.0E-03	5.0E-03 *			
	20.02	0/10	5.0E-03	5.0E-03 *			
	20.01	0/9	5.0E-03	5.0E-03 *			
	03.01	0/0					
	21	6/18	1.0E-03	5.0E-03 *	2.2E-03	4.0E-04	2.9E-03
	03.02	0/0					
	03.03	1/9	4.0E-03	5.0E-03 *	4.0E-03		
	03.04	0/0					
	04.01	0/9	5.0E-03	5.0E-03 *			
	04.02	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Chloroform (MG/L)	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	0/9	5.0E-03	5.0E-03 *	.	.	.
Chromium (MG/L)	05	0/0	9.8E-03	9.8E-03 *	.	.	.
	10	0/2	1.7E-03	1.2E-02	3.9E-03	1.3E-03	6.2E-03
	00	4/11	1.0E-03	1.2E-02	2.6E-03	3.3E-04	3.1E-03
	01	20/51	1.0E-03	1.0E-03	1.0E-03	.	.
	08	1/2	1.0E-03	2.0E-03 *	1.2E-03	2.8E-04	1.8E-03
	07.01	2/5	1.0E-03	2.5E-03	1.6E-03	1.0E-04	1.8E-03
	07.02	8/17	1.2E-03	3.0E-03	2.3E-03	5.6E-04	3.9E-03
	02.01	3/3	6.8E-03	2.3E-02	1.4E-02	1.8E-03	1.7E-02
	22	11/11	1.0E-03	3.2E-02	2.9E-03	1.5E-03	5.4E-03
	02.02	7/22	1.0E-03	3.4E-03	1.9E-03	3.4E-04	2.6E-03
	02.03	4/6	1.6E-03	9.8E-03 *	1.6E-03	.	.
	02.04	1/11	1.0E-03	1.0E-02	2.2E-03	1.9E-04	2.5E-03
	13	43/58	4.0E-03	1.4E-02	1.1E-02	5.8E-04	1.2E-02
	20.02	3/10	4.0E-03	4.0E-03 *	.	.	.
	20.01	0/9	1.0E-03	9.8E-03 *	1.9E-03	8.3E-05	2.1E-03
	03.01	32/34	4.0E-03	1.9E-02	6.5E-03	9.5E-04	8.2E-03
	21	9/18	1.0E-03	9.8E-03 *	1.6E-03	1.4E-04	1.9E-03
	03.02	11/14	1.0E-03	9.8E-03 *	2.2E-03	2.2E-04	2.6E-03
	03.03	13/23	1.0E-03	9.8E-03 *	2.0E-03	2.0E-04	2.3E-03
	03.04	12/16	1.3E-03	9.8E-03 *	1.7E-03	8.7E-05	1.8E-03
	04.01	10/25	1.0E-03	2.1E-03	1.5E-03	2.0E-04	1.9E-03
	04.02	4/6	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	6/10	1.0E-03	9.8E-03 *	2.4E-03	7.7E-04	3.8E-03
	18	2/9	4.0E-03	5.8E-03	5.4E-03	7.4E-05	5.5E-03
	05	0/4	9.8E-03	9.8E-03 *	.	.	.

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Cobalt-60 (PCI/L)	07.02	0/0					
	02.01	0/0					
	22	7/11					
	02.02	0/10	6.7E-01	5.5E+00	2.9E+00	6.6E-01	4.1E+00
	02.03	0/0	-2.5E+00	5.0E+00 *			
	02.04	0/10					
	13	3/10	-2.2E+00	4.5E+00 *			
	20.02	1/10	-1.3E+00	4.3E+00	2.9E+00	2.1E-01	3.3E+00
	20.01	0/9	-9.6E-01	4.2E+00	4.2E+00		
	03.01	0/1	-8.6E-01	2.2E+00 *			
	21	0/18	1.3E-01	1.3E-01 *			
	03.02	0/1	-5.8E+00	3.3E+00 *			
	03.03	0/10	6.7E-02	6.7E-02 *			
	03.04	0/1	-1.9E+00	3.8E+00 *			
	04.01	1/10	7.5E-02	7.5E-02 *	5.0E+00		
	04.02	0/0	-6.0E+00	5.0E+00			
	04.03	0/0					
	06	0/0					
	04.04	0/1	8.6E-02	8.6E-02 *			
	18	0/9	-2.3E-01	3.1E+00 *			
Copper (MG/L)	05	1/4	4.7E-02	9.4E-02	9.4E-02		
	10	0/2	4.4E-03	4.4E-03 *			
	00	1/11	2.3E-03	7.0E-03 *	2.3E-03		
	01	19/51	1.5E-03	8.3E-02	5.1E-03	1.6E-03	7.9E-03
	08	1/2	1.0E-03	1.9E-02	1.9E-02		
	07.01	5/5	1.1E-03	2.4E-02	7.3E-03	4.2E-03	1.6E-02
	07.02	15/17	1.1E-03	3.7E-02	7.6E-03	2.8E-03	1.2E-02
	02.01	3/3	2.0E-03	5.8E-03	4.1E-03	1.1E-03	7.4E-03
	22	0/11	4.4E-03	7.0E-03 *			
	02.02	12/22	1.4E-03	2.0E-02	4.9E-03	9.0E-04	6.5E-03
	02.03	6/6	1.9E-03	2.2E-02	7.0E-03	3.1E-03	1.3E-02

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Copper (MG/L)	02.04	2/11	1.0E-03	7.0E-03 *	3.8E-03	2.8E-03	8.7E-03
	13	47/58	1.0E-03	2.4E-02	3.9E-03	4.9E-04	4.7E-03
	20.02	0/10	7.0E-03	7.0E-03 *			
	20.01	0/9	7.0E-03	7.0E-03 *			
	03.01	33/34	1.4E-03	1.1E-02	3.7E-03	3.6E-04	4.3E-03
	21	4/18	7.0E-03	2.0E-02	1.3E-02	5.0E-04	1.3E-02
	03.02	13/14	1.1E-03	5.2E-03	2.8E-03	3.3E-04	3.4E-03
	03.03	12/23	1.6E-03	8.8E-03	3.8E-03	5.3E-04	4.7E-03
	03.04	14/16	1.7E-03	1.0E-02	3.7E-03	5.8E-04	4.7E-03
	04.01	14/25	1.1E-03	8.3E-02	9.8E-03	4.6E-03	1.8E-02
	04.02	6/6	1.2E-03	5.4E-03	2.4E-03	6.3E-04	3.7E-03
	04.03	0/0					
	06	0/0					
	04.04	9/10	1.4E-03	1.2E-02	4.2E-03	1.0E-03	6.0E-03
	18	0/9	7.0E-03	7.0E-03 *			
	05	0/4	4.4E-03	4.4E-03 *			
	10	0/0					
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
Curium-244 (PCI/L)	07.02	0/0					
	02.01	0/0					
	22	0/1	-2.5E-02	-2.5E-02 *			
	02.02	0/0					
	02.03	0/0					
	02.04	0/0					
	13	0/0					
	20.02	0/1	5.1E-02	5.1E-02 *			
	20.01	1/1	5.1E-01	5.1E-01	5.1E-01		
	03.01	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Curium-244 (PCI/L)	21	0/0	.	.	.	.	.
	03.02	0/0	.	.	.	.	.
	03.03	0/0	.	.	.	.	.
	03.04	0/0	.	.	.	.	.
	04.01	0/0	.	.	.	.	.
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	0/0	.	.	.	.	.
	05	0/0	.	.	.	.	.
	10	0/2	1.0E-02	1.0E-02 *	.	.	.
	00	0/1	5.0E-03	5.0E-03 *	.	.	.
	01	6/23	1.0E-03	1.0E-02 *	1.9E-03	3.7E-04	2.5E-03
	08	0/2	5.0E-03	5.0E-03 *	.	.	.
	07.01	0/5	5.0E-03	5.0E-03 *	.	.	.
	07.02	4/17	2.0E-03	5.0E-03 *	3.0E-03	5.8E-04	4.0E-03
	02.01	0/2	5.0E-03	5.0E-03 *	.	.	.
Di-n-butylphthalate (MG/L)	22	0/1	1.0E-02	1.0E-02 *	.	.	.
	02.02	2/13	1.0E-03	1.0E-02 *	2.0E-03	1.0E-03	3.8E-03
	02.03	1/5	1.0E-03	5.0E-03 *	1.0E-03	.	.
	02.04	0/2	5.0E-03	1.0E-02 *	.	.	.
	13	3/49	1.0E-03	1.0E-02 *	1.3E-03	3.3E-04	1.9E-03
	20.02	0/0	.	.	.	.	.
	20.01	0/0	.	.	.	.	.
	03.01	1/13	1.0E-03	1.1E-02 *	1.0E-03	.	.
	21	0/0	.	.	.	.	.
	03.02	0/12	5.0E-03	1.0E-02 *	.	.	.
	03.03	0/13	5.0E-03	1.0E-02 *	.	.	.
	03.04	1/15	5.0E-03	1.0E-02 *	7.0E-03	.	.
	04.01	6/15	1.0E-03	1.0E-02 *	1.3E-03	2.1E-04	1.7E-03

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Di-n-butylphthalate (MG/L)	04.02	0/6	5.0E-03	5.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	1/10	3.5E-03	1.0E-02 *	3.5E-03		
	18	0/0					
	05	0/4	1.0E-02	1.0E-02 *			
	10	0/2	1.0E-02	1.0E-02 *			
	00	0/1	5.0E-03	5.0E-03 *			
	01	0/23	5.0E-03	1.0E-02 *			
	08	0/2	5.0E-03	5.0E-03 *			
Di-n-octylphthalate (MG/L)	07.01	0/5	5.0E-03	5.0E-03 *			
	07.02	0/17	5.0E-03	5.0E-03 *			
	02.01	0/2	5.0E-03	5.0E-03 *			
	22	0/1	1.0E-02	1.0E-02 *			
	02.02	0/13	5.0E-03	1.0E-02 *			
	02.03	0/5	5.0E-03	5.0E-03 *			
	02.04	0/2	5.0E-03	1.0E-02 *			
	13	0/49	5.0E-03	1.0E-02 *			
	20.02	0/0					
	20.01	0/0					
	03.01	0/13	5.0E-03	1.0E-02 *			
	21	0/0					
	03.02	1/12	2.0E-03	1.0E-02 *	2.0E-03		
	03.03	0/13	5.0E-03	1.0E-02 *			
	03.04	0/15	5.0E-03	1.0E-02 *			
	04.01	0/15	5.0E-03	1.0E-02 *			
	04.02	0/6	5.0E-03	5.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/10	5.0E-03	1.0E-02 *			
	18	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Di-n-octylphthalate (MG/L) Diethylphthalate (MG/L)	05	0/4	1.0E-02	1.0E-02 *			
	10	0/2	1.0E-02	1.0E-02 *			
	00	0/1	5.0E-03	5.0E-03 *			
	01	0/23	5.0E-03	1.0E-02 *			
	08	0/2	5.0E-03	5.0E-03 *			
	07.01	0/5	5.0E-03	5.0E-03 *			
	07.02	0/17	5.0E-03	5.0E-03 *			
	02.01	0/2	5.0E-03	5.0E-03 *			
	22	0/1	1.0E-02	1.0E-02 *			
	02.02	1/13	1.0E-03	1.0E-02 *	1.0E-03		
	02.03	0/5	5.0E-03	5.0E-03 *			
	02.04	0/2	5.0E-03	1.0E-02 *			
	13	4/49	1.0E-03	1.0E-02 *	1.3E-03	2.5E-04	1.7E-03
	20.02	0/0					
	20.01	0/0					
	03.01	0/13	5.0E-03	1.0E-02 *			
	21	0/0					
	03.02	0/12	5.0E-03	1.0E-02 *			
	03.03	1/13	2.0E-03	1.0E-02 *	2.0E-03		
	03.04	0/15	5.0E-03	1.0E-02 *			
Dimethylbenzene (MG/L)	04.01	0/15	5.0E-03	1.0E-02 *			
	04.02	0/6	5.0E-03	5.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/10	5.0E-03	1.0E-02 *			
	18	0/0					
	05	0/4	1.0E-02	1.0E-02 *			
	10	0/0					
	00	0/10	5.0E-03	5.0E-03 *			
	01	1/28	1.4E-03	5.0E-03 *	1.4E-03		
	08	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Dimethylbenzene (MG/L)	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	0/10	5.0E-03	5.0E-03 *	.	.	.
	02.02	0/9	5.0E-03	5.0E-03 *	.	.	.
	02.03	0/0	.	.	.	.	.
	02.04	0/9	5.0E-03	5.0E-03 *	.	.	.
	13	0/9	5.0E-03	5.0E-03 *	.	.	.
	20.02	0/10	5.0E-03	5.0E-03 *	.	.	.
	20.01	0/9	5.0E-03	5.0E-03 *	.	.	.
	03.01	0/0	.	.	.	.	.
	21	0/18	5.0E-03	5.0E-03 *	.	.	.
	03.02	0/0	.	.	.	.	.
	03.03	0/9	5.0E-03	5.0E-03 *	.	.	.
	03.04	0/0	.	.	.	.	.
	04.01	0/9	5.0E-03	5.0E-03 *	.	.	.
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
Fluoride (MG/L)	18	0/9	5.0E-03	5.0E-03 *	.	.	.
	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.
	00	3/10	1.0E-01	1.3E-01	1.1E-01	2.5E-03	1.2E-01
	01	11/28	1.0E-01	3.5E-01	1.2E-01	1.0E-02	1.3E-01
	08	0/0	.	.	.	.	.
	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	10/10	1.8E-01	1.0E+00	6.5E-01	8.6E-02	8.0E-01
	02.02	4/9	1.0E-01	1.3E-01	1.1E-01	4.1E-03	1.1E-01

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Fluoride (MG/L)	02.03	0/0					
	02.04	3/9	1.0E-01	1.2E-01	1.1E-01	1.3E-03	1.1E-01
	13	3/9	1.0E-01	2.0E-01	1.4E-01	9.8E-03	1.6E-01
	20.02	7/10	1.0E-01	3.5E-01	2.2E-01	1.9E-02	2.6E-01
	20.01	9/9	3.0E-01	1.9E+01	2.7E+00	2.0E+00	6.5E+00
	03.01	0/0					
	21	17/18	1.0E-01	5.0E-01	2.5E-01	2.4E-02	2.9E-01
	03.02	0/0					
	03.03	7/9	1.0E-01	4.0E-01	1.9E-01	3.0E-02	2.5E-01
	03.04	0/0					
	04.01	4/9	1.0E-01	1.1E-01	1.0E-01	1.2E-03	1.0E-01
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	7/9	1.0E-01	4.0E-01	2.2E-01	4.1E-02	2.9E-01
	05	0/0					
	10	0/0					
	00	4/10	1.4E-01	2.7E+00	1.3E+00	2.7E-01	1.8E+00
	01	15/48	-6.5E-01	4.8E+00	1.1E+00	1.2E-01	1.3E+00
	08	0/2	1.0E+00	3.2E+00 *			
Gross alpha activity (PCI/L)	07.01	1/5	8.9E-01	3.3E+00 *	1.3E+00		
	07.02	1/17	6.6E-01	4.7E+00 *	1.1E+00		
	02.01	2/3	1.1E+00	5.4E+00	3.3E+00	1.2E+00	6.8E+00
	22	10/10	1.7E+00	1.2E+01	5.4E+00	8.9E-01	7.1E+00
	02.02	7/20	-1.6E-01	2.7E+01	3.1E+00	1.4E+00	5.5E+00
	02.03	1/6	7.4E-01	3.2E+00 *	1.5E+00		
	02.04	2/9	-2.7E-02	2.7E+00	1.6E+00	1.8E-01	2.0E+00
	13	17/55	2.7E-01	9.2E+00 *	9.7E-01	9.8E-02	1.1E+00
	20.02	10/10	5.4E+00	1.2E+01	9.5E+00	6.3E-01	1.1E+01
	20.01	9/9	2.0E+00	1.1E+01	4.6E+00	8.7E-01	6.2E+00

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Gross alpha activity (PCI/L)							
	03.01	5/12	9.4E-01	4.8E+00 *	1.3E+00	9.5E-02	1.5E+00
	21	14/18	-8.1E-02	1.5E+01	6.7E+00	1.4E+00	9.1E+00
	03.02	37/43	9.5E-01	7.8E+00 *	1.8E+00	9.0E-02	2.0E+00
	03.03	16/22	9.2E-01	5.7E+00	1.9E+00	2.6E-01	2.4E+00
	03.04	9/15	1.2E+00	1.1E+01 *	1.9E+00	1.9E-01	2.2E+00
	04.01	6/23	-1.4E-01	4.9E+00 *	9.5E-01	8.2E-02	1.1E+00
	04.02	2/5	8.5E-01	3.4E+00 *	9.4E-01	1.1E-01	1.2E+00
	04.03	0/0					
	06	0/0					
	04.04	0/9	8.9E-01	4.6E+00 *			
	18	3/9	-4.9E-01	1.6E+00	1.2E+00	5.5E-02	1.3E+00
	05	0/0					
	10	0/0					
Gross beta activity (PCI/L)							
	00	6/11	1.4E+00	4.1E+00	2.8E+00	2.0E-01	3.2E+00
	01	36/48	8.1E-01	1.9E+01	4.4E+00	4.8E-01	5.2E+00
	08	2/2	2.0E+00	7.8E+00	4.9E+00	2.9E+00	2.3E+01
	07.01	4/5	1.6E+00	6.7E+00	4.1E+00	1.2E+00	6.6E+00
	07.02	12/17	1.3E+00	1.0E+01	4.4E+00	6.5E-01	5.5E+00
	02.01	3/3	3.4E+00	4.0E+01	1.7E+01	1.2E+01	5.1E+01
	22	10/10	3.2E+02	5.4E+02	4.2E+02	2.4E+01	4.7E+02
	02.02	20/21	1.8E+00	1.7E+02	2.6E+01	1.1E+01	4.5E+01
	02.03	4/6	2.2E+00	9.7E+00	7.5E+00	6.3E-01	8.7E+00
	02.04	8/9	2.4E+00	6.2E+00	3.6E+00	4.2E-01	4.4E+00
	13	30/56	5.4E-01	2.3E+01	3.4E+00	5.7E-01	4.4E+00
	20.02	10/10	6.2E+00	2.1E+01	1.3E+01	1.5E+00	1.6E+01
	20.01	8/9	8.1E-01	8.6E+00	6.6E+00	7.6E-01	8.0E+00
	03.01	6/12	1.7E+00	7.2E+00	3.4E+00	5.2E-01	4.4E+00
	21	18/18	2.2E+00	4.1E+01	1.4E+01	2.6E+00	1.8E+01
	03.02	37/43	1.7E+00	9.4E+00	3.5E+00	2.9E-01	4.0E+00
	03.03	18/22	3.0E-01	1.2E+01	4.2E+00	5.6E-01	5.1E+00
	03.04	11/15	1.9E+00	1.7E+01	4.6E+00	1.1E+00	6.6E+00

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Gross beta activity (PCI/L)	04.01	17/24	1.4E+00	1.9E+01	5.4E+00	1.0E+00	7.1E+00
	04.02	4/6	1.9E+00	7.7E+00	5.6E+00	5.7E-01	6.7E+00
	04.03	0/0					
	06	0/0					
	04.04	6/9	2.1E+00	9.0E+00	3.8E+00	8.1E-01	5.3E+00
	18	9/9	1.5E+00	1.8E+01	5.2E+00	1.6E+00	8.2E+00
	05	0/0					
	10	0/2	1.5E-02	2.2E-02 *			
	00	11/11	1.2E-01	1.4E+00	4.3E-01	1.1E-01	6.2E-01
	01	47/51	5.0E-02	2.3E+00	3.2E-01	5.5E-02	4.1E-01
Iron (MG/L)	08	2/2	6.4E-02	1.4E-01	1.0E-01	4.0E-02	3.5E-01
	07.01	5/5	7.0E-02	2.9E-01	2.0E-01	4.2E-02	2.9E-01
	07.02	16/17	1.8E-02	7.6E-01	2.2E-01	5.1E-02	3.1E-01
	02.01	3/3	3.1E-01	5.7E-01	4.1E-01	7.7E-02	6.4E-01
	22	11/11	1.7E-01	1.8E+00	8.9E-01	1.4E-01	1.2E+00
	02.02	20/22	4.9E-02	1.1E+00	2.7E-01	6.1E-02	3.8E-01
	02.03	6/6	7.9E-02	7.2E-01	3.6E-01	1.0E-01	5.6E-01
	02.04	10/11	5.0E-02	6.8E-01	3.1E-01	5.6E-02	4.1E-01
	13	57/58	5.0E-02	2.7E+00	6.6E-01	5.6E-02	7.5E-01
	20.02	10/10	8.2E-02	4.9E-01	2.1E-01	4.2E-02	2.8E-01
	20.01	7/9	5.0E-02	6.1E-01	1.9E-01	5.8E-02	3.0E-01
	03.01	34/34	2.7E-01	1.7E+00	7.7E-01	7.1E-02	8.9E-01
	21	17/18	2.1E-02	1.7E+01	1.6E+00	9.1E-01	3.2E+00
	03.02	14/14	2.2E-01	1.1E+00	5.3E-01	6.8E-02	6.5E-01
	03.03	23/23	2.3E-01	1.6E+00	6.8E-01	8.4E-02	8.2E-01
	03.04	16/16	1.7E-01	1.9E+00	5.9E-01	9.6E-02	7.6E-01
	04.01	24/25	5.0E-02	1.5E+00	4.2E-01	7.1E-02	5.4E-01
	04.02	6/6	7.1E-02	6.7E-01	3.0E-01	1.1E-01	5.3E-01
	04.03	0/0					
	06	0/0					
	04.04	10/10	7.5E-02	7.9E-01	3.4E-01	8.0E-02	4.9E-01

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Iron (MG/L)	18	8/9	5.0E-02	2.9E+00	6.4E-01	2.9E-01	1.2E+00
	05	4/4	1.2E-01	5.8E-01	2.8E-01	1.1E-01	5.3E-01
Lead (MG/L)	10	0/2	6.0E-04	1.0E-03 *			
	00	1/11	1.0E-03	5.0E-02 *	1.0E-03		
	01	10/51	9.0E-04	5.0E-02 *	1.5E-03	1.0E-04	1.7E-03
	08	1/2	1.0E-03	2.3E-03	2.3E-03		
	07.01	3/5	1.0E-03	1.7E-03	1.3E-03	1.1E-04	1.5E-03
	07.02	7/17	1.0E-03	2.2E-03	1.4E-03	5.9E-05	1.5E-03
	02.01	2/3	1.0E-03	2.7E-03	1.6E-03	6.5E-04	3.5E-03
	22	0/11	1.8E-03	5.0E-02 *			
	02.02	7/22	3.6E-04	5.0E-02 *	1.2E-03	8.4E-05	1.4E-03
	02.03	3/6	1.0E-03	2.2E-03	1.8E-03	9.3E-05	2.0E-03
	02.04	0/11	4.0E-04	5.0E-02 *			
	13	22/58	1.0E-03	5.0E-02 *	1.4E-03	9.3E-05	1.6E-03
	20.02	0/10	5.0E-02	5.0E-02 *			
	20.01	0/9	5.0E-02	5.0E-02 *			
	03.01	19/34	1.0E-03	3.0E-03	1.6E-03	1.0E-04	1.8E-03
	21	0/18	5.0E-02	5.0E-02 *			
	03.02	5/14	1.0E-03	1.8E-03	1.2E-03	8.6E-05	1.3E-03
	03.03	9/23	3.6E-04	5.0E-02 *	1.6E-03	1.8E-04	1.9E-03
	03.04	8/16	1.0E-03	4.3E-03	1.5E-03	2.1E-04	1.9E-03
	04.01	7/25	1.0E-03	5.0E-02 *	1.5E-03	1.6E-04	1.8E-03
Magnesium (MG/L)	04.02	1/6	1.0E-03	2.8E-03	2.8E-03		
	04.03	0/0					
	06	0/0					
	04.04	4/11	1.0E-03	1.8E-03	1.2E-03	1.0E-04	1.4E-03
	18	0/9	5.0E-02	5.0E-02 *			
	05	0/4	3.6E-04	1.1E-02 *			
	10	2/2	1.0E+01	1.1E+01	1.0E+01	1.5E-01	1.1E+01
	00	11/11	6.9E+00	1.1E+01	9.1E+00	3.5E-01	9.7E+00
	01	51/51	5.8E+00	1.1E+01	8.6E+00	1.6E-01	8.9E+00

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Magnesium (MG/L)							
	08	2/2	8.6E+00	8.6E+00	8.6E+00	3.5E-02	8.8E+00
	07.01	5/5	6.1E+00	8.6E+00	7.9E+00	4.7E-01	8.9E+00
	07.02	17/17	6.4E+00	9.1E+00	8.0E+00	1.9E-01	8.3E+00
	02.01	3/3	6.7E+00	9.6E+00	7.9E+00	8.5E-01	1.0E+01
	22	11/11	3.6E+00	1.1E+01	7.6E+00	6.1E-01	8.7E+00
	02.02	22/22	6.0E+00	1.0E+01	7.9E+00	2.6E-01	8.4E+00
	02.03	6/6	6.2E+00	1.0E+01	7.8E+00	5.5E-01	8.9E+00
	02.04	11/11	6.6E+00	1.0E+01	8.7E+00	3.8E-01	9.4E+00
	13	58/58	3.7E+00	1.3E+01	8.1E+00	2.9E-01	8.6E+00
	20.02	10/10	8.5E+00	1.8E+01	1.3E+01	1.1E+00	1.5E+01
	20.01	9/9	6.0E+00	1.1E+01	8.2E+00	6.1E-01	9.3E+00
	03.01	33/34	9.0E-03	9.9E+00	6.1E+00	3.0E-01	6.6E+00
	21	18/18	3.5E+00	1.1E+01	7.7E+00	5.6E-01	8.7E+00
	03.02	14/14	4.4E+00	1.0E+01	7.7E+00	4.8E-01	8.6E+00
	03.03	23/23	4.2E+00	9.8E+00	6.9E+00	3.5E-01	7.5E+00
	03.04	15/16	9.0E-03	9.6E+00	7.0E+00	4.0E-01	7.7E+00
	04.01	25/25	5.1E+00	1.0E+01	7.9E+00	2.0E-01	8.3E+00
	04.02	6/6	6.3E+00	8.6E+00	8.0E+00	3.5E-01	8.7E+00
	04.03	0/0					
	06	0/0					
	04.04	10/10	5.5E+00	8.3E+00	6.7E+00	3.2E-01	7.3E+00
	18	9/9	3.5E+00	7.0E+00	4.4E+00	3.7E-01	5.1E+00
	05	4/4	4.5E+00	9.6E+00	5.9E+00	1.2E+00	8.8E+00
	10	0/0					
Manganese (MG/L)							
	00	11/11	3.1E-02	1.6E-01	8.1E-02	1.3E-02	1.0E-01
	01	47/48	1.0E-03	1.2E-01	5.6E-02	3.7E-03	6.3E-02
	08	2/2	1.9E-02	4.2E-02	3.0E-02	1.2E-02	1.0E-01
	07.01	5/5	4.2E-02	6.0E-02	5.0E-02	3.4E-03	5.7E-02
	07.02	16/17	1.0E-03	2.2E-01	5.7E-02	1.1E-02	7.7E-02
	02.01	3/3	3.1E-02	4.7E-02	3.9E-02	4.4E-03	5.2E-02
	22	10/10	3.8E-02	2.2E-01	1.2E-01	1.8E-02	1.5E-01

Table B3. (continued)

Analyte	Sub reach	Frequency of Defects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Manganese (MG/L)	02.02	21/21	9.8E-03	9.1E-02	4.9E-02	4.0E-03	5.5E-02
	02.03	6/6	3.2E-02	6.0E-02	4.3E-02	4.2E-03	5.2E-02
	02.04	10/10	2.0E-02	3.8E-01	8.1E-02	3.4E-02	1.4E-01
	13	57/57	4.8E-02	2.8E-01	1.2E-01	7.4E-03	1.3E-01
	20.02	9/10	1.0E-03	5.4E-02	2.5E-02	4.4E-03	3.3E-02
	20.01	8/9	1.0E-03	6.5E-02	2.1E-02	5.8E-03	3.2E-02
	03.01	33/33	2.4E-02	1.3E-01	8.3E-02	4.4E-03	9.1E-02
	21	18/18	4.7E-02	1.7E+00	2.5E-01	9.0E-02	4.0E-01
	03.02	13/13	4.6E-02	1.2E-01	7.6E-02	6.8E-03	8.9E-02
	03.03	22/22	5.6E-02	1.2E-01	8.2E-02	4.2E-03	8.9E-02
	03.04	15/15	4.5E-02	1.1E-01	8.0E-02	4.9E-03	8.9E-02
	04.01	24/24	3.1E-03	1.3E-01	5.0E-02	4.7E-03	5.8E-02
	04.02	6/6	2.5E-02	8.0E-02	5.4E-02	7.7E-03	6.9E-02
	04.03	0/0					
	06	0/0					
	04.04	9/9	4.2E-02	8.6E-02	6.2E-02	5.2E-03	7.2E-02
	18	9/9	1.1E-02	1.6E-01	6.0E-02	1.4E-02	8.6E-02
	05	0/0					
	10	0/2	2.0E-04	2.0E-04 *			
	00	2/12	4.2E-06	2.0E-04 *	5.7E-05	2.8E-06	6.2E-05
Mercury (MG/L)	01	8/71	1.2E-06	2.0E-04 *	9.9E-06	3.2E-06	1.5E-05
	08	1/4	3.9E-06	2.0E-04 *	6.8E-06		
	07.01	2/10	2.8E-06	2.0E-04 *	3.6E-06	1.0E-06	5.5E-06
	07.02	4/34	1.2E-06	2.0E-04 *	2.8E-06	5.0E-07	3.7E-06
	02.01	0/6	2.1E-06	2.0E-04 *			
	22	2/11	5.0E-05	2.1E-04	1.1E-04	1.4E-05	1.3E-04
	02.02	1/22	5.0E-05	2.0E-04 *	6.9E-05		
	02.03	0/9	4.8E-07	2.0E-04 *			
	02.04	2/12	4.0E-06	2.0E-04 *	9.0E-06	6.7E-06	2.1E-05
	13	18/106	9.9E-08	2.6E-04	1.1E-05	3.5E-06	1.7E-05
	20.02	3/10	5.0E-05	9.8E-05	7.4E-05	4.4E-06	8.2E-05

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Mercury (MG/L)	20.01	5/9	5.0E-05	1.2E-04	7.7E-05	6.8E-06	8.9E-05
	03.01	38/67	4.3E-07	6.7E-04	1.0E-04	1.7E-05	1.3E-04
	21	3/18	5.0E-05	8.7E-05	6.7E-05	1.6E-06	7.0E-05
	03.02	13/27	4.1E-06	3.8E-04	8.9E-05	1.6E-05	1.2E-04
	03.03	18/36	3.8E-05	4.6E-04	1.0E-04	1.5E-05	1.3E-04
	03.04	20/31	3.0E-05	1.1E-03	1.9E-04	4.4E-05	2.6E-04
	04.01	8/40	2.0E-06	2.5E-04	3.6E-05	1.0E-05	5.3E-05
	04.02	4/12	1.3E-05	2.0E-04 *	3.0E-05	8.0E-06	4.4E-05
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	6/20	1.7E-06	2.0E-04 *	2.4E-05	3.1E-06	2.9E-05
	18	1/9	5.0E-05	7.1E-05	7.1E-05	.	.
	05	0/4	2.0E-04	2.0E-04 *	.	.	.
	10	0/0	.	.	.	.	.
	00	0/1	6.3E-08	6.3E-08 *	.	.	.
	01	0/20	3.6E-08	1.4E-07 *	.	.	.
Methyl mercury (MG/L)	08	0/2	1.4E-07	1.6E-07 *	.	.	.
	07.01	0/5	1.0E-07	2.6E-07 *	.	.	.
	07.02	0/17	3.1E-08	1.3E-07 *	.	.	.
	02.01	0/3	5.5E-08	8.3E-08 *	.	.	.
	22	0/0	.	.	.	.	.
	02.02	0/0	.	.	.	.	.
	02.03	0/3	4.2E-08	5.9E-08 *	.	.	.
	02.04	1/1	5.0E-08	5.0E-08	5.0E-08	.	.
	13	3/47	4.5E-08	2.9E-07	1.0E-07	5.7E-09	1.1E-07
	20.02	0/0	.	.	.	.	.
	20.01	0/0	.	.	.	.	.
	03.01	11/32	5.0E-08	4.9E-07	1.3E-07	2.1E-08	1.6E-07
	21	0/0	.	.	.	.	.
	03.02	4/12	9.4E-08	4.1E-07	3.0E-07	1.4E-08	3.2E-07
	03.03	4/13	9.9E-08	4.6E-07	2.4E-07	2.1E-08	2.7E-07

Table B3. (continued)

Analyte	Sub reach	Frequency of Defects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Methyl mercury (MG/L)	03.04	2/14	7.6E-08	7.0E-07	3.2E-07	4.0E-08	3.9E-07
	04.01	0/15	3.4E-08	3.0E-07 *			
	04.02	0/6	5.6E-08	1.7E-07 *			
	04.03	0/0		.			
	06	0/0		.			
	04.04	0/9	4.0E-08	1.4E-07 *			
	18	0/0		.			
	05	0/0		.			
	10	0/0		.			
	00	0/10	5.0E-03	5.0E-03 *			
Methylene chloride (MG/L)	01	0/28	5.0E-03	5.0E-03 *			
	08	0/0		.			
	07.01	0/0		.			
	07.02	0/0		.			
	02.01	0/0		.			
	22	0/10	5.0E-03	5.0E-03 *			
	02.02	0/9	5.0E-03	5.0E-03 *			
	02.03	0/0		.			
	02.04	0/9	5.0E-03	5.0E-03 *			
	13	0/9	5.0E-03	5.0E-03 *			
	20.02	1/10	2.6E-03	5.0E-03 *	2.6E-03		
	20.01	0/9	5.0E-03	5.0E-03 *			
	03.01	0/0		.			
	21	0/18	5.0E-03	5.0E-03 *			
	03.02	0/0		.			
	03.03	0/9	5.0E-03	5.0E-03 *			
	03.04	0/0		.			
	04.01	0/9	5.0E-03	5.0E-03 *			
	04.02	0/0		.			
	04.03	0/0		.			
	06	0/0		.			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Methylene chloride (MG/L)	04.04	0/0					
	18	0/9	5.0E-03	5.0E-03 *			
	05	0/0					
	10	0/0					
	00	0/1	1.0E-03	1.0E-03 *			
	01	0/20	1.0E-03	5.0E-03 *			
	08	0/2	1.0E-03	5.0E-03 *			
	07.01	0/5	1.0E-03	5.0E-03 *			
	07.02	0/17	1.0E-03	5.0E-03 *			
	02.01	0/3	1.0E-03	1.0E-03 *			
Molybdenum (MG/L)	22	0/0					
	02.02	0/12	1.0E-03	5.0E-03 *			
	02.03	0/6	1.0E-03	5.0E-03 *			
	02.04	0/1	1.0E-03	1.0E-03 *			
	13	1/48	1.0E-03	5.0E-03 *	1.5E-03		
	20.02	0/0					
	20.01	0/0					
	03.01	2/33	1.0E-03	5.0E-03 *	1.1E-03	4.6E-06	1.1E-03
	21	0/0					
	03.02	2/13	1.0E-03	5.0E-03 *	1.0E-03	4.9E-05	1.1E-03
Nickel (MG/L)	03.03	0/13	1.0E-03	5.0E-03 *			
	03.04	1/15	1.0E-03	5.0E-03 *	2.1E-03		
	04.01	1/15	1.0E-03	5.0E-03 *	1.8E-03		
	04.02	0/6	1.0E-03	5.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/9	1.0E-03	5.0E-03 *			
	18	0/0					
	05	0/0					
	10	0/2	1.9E-02	1.9E-02 *			
	00	1/11	5.5E-03	1.0E-02 *	5.5E-03		

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Nickel (MG/L)	01	18/51	1.0E-03	1.9E-02 *	3.0E-03	3.4E-04	3.6E-03
	08	1/2	1.0E-03	2.9E-03	2.9E-03		
	07.01	3/5	1.0E-03	5.5E-03	3.3E-03	6.2E-04	4.6E-03
	07.02	11/17	1.0E-03	1.0E-02	3.1E-03	6.7E-04	4.2E-03
	02.01	2/3	1.0E-03	1.1E-02	6.0E-03	2.7E-03	1.4E-02
	22	0/11	1.0E-02	1.9E-02 *			
	02.02	11/22	1.0E-03	1.9E-02 *	3.4E-03	6.5E-04	4.5E-03
	02.03	5/6	1.0E-03	7.3E-03	3.6E-03	7.8E-04	5.1E-03
	02.04	1/11	2.0E-03	1.9E-02 *	2.0E-03		
	13	49/58	1.6E-03	1.9E-02 *	4.0E-03	2.5E-04	4.5E-03
	20.02	0/10	1.0E-02	1.0E-02 *			
	20.01	0/9	1.0E-02	1.0E-02 *			
	03.01	33/34	2.4E-03	1.9E-02 *	4.4E-03	1.7E-04	4.7E-03
	21	5/18	1.0E-02	6.4E-02	1.7E-02	3.0E-03	2.2E-02
	03.02	13/14	1.5E-03	1.9E-02 *	3.5E-03	3.6E-04	4.2E-03
	03.03	13/23	2.0E-03	1.9E-02 *	3.6E-03	3.7E-04	4.2E-03
	03.04	15/16	1.4E-03	1.9E-02 *	3.6E-03	3.7E-04	4.3E-03
	04.01	13/25	1.0E-03	1.9E-02 *	2.3E-03	2.6E-04	2.7E-03
	04.02	4/6	1.0E-03	4.0E-03	1.9E-03	5.3E-04	2.9E-03
	04.03	0/0					
	06	0/0					
	04.04	7/10	1.0E-03	1.9E-02 *	2.8E-03	4.8E-04	3.7E-03
	18	0/9	1.0E-02	1.0E-02 *			
	05	0/4	1.9E-02	1.9E-02 *			
Nitrate (MG/L)	10	0/0					
	00	10/10	1.3E+00	3.8E+00	2.4E+00	2.3E-01	2.8E+00
	01	28/28	8.2E-01	2.5E+01	3.5E+00	8.9E-01	5.0E+00
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Nitrate (MG/L)	22	9/10	5.6E-01	2.6E+00	1.6E+00	2.5E-01	2.0E+00
	02.02	9/9	1.0E+00	5.6E+00	2.8E+00	4.7E-01	3.7E+00
	02.03	0/0					
	02.04	9/9	1.0E+00	5.3E+00	2.8E+00	4.5E-01	3.6E+00
	13	9/9	4.4E-01	3.3E+00	1.8E+00	3.1E-01	2.4E+00
	20.02	10/10	3.4E+00	2.3E+01	1.1E+01	2.2E+00	1.5E+01
	20.01	9/9	7.0E+00	3.7E+01	1.8E+01	3.1E+00	2.4E+01
	03.01	0/0					
	21	14/18	1.0E-01	9.5E+00	1.7E+00	5.0E-01	2.5E+00
	03.02	0/0					
	03.03	9/9	1.2E+00	9.6E+00	3.6E+00	8.0E-01	5.1E+00
	03.04	0/0					
	04.01	9/9	1.5E+00	1.0E+01	2.7E+00	9.2E-01	4.4E+00
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	9/9	1.0E+00	9.6E+00	3.0E+00	8.8E-01	4.6E+00
	05	0/0					
PCB-1254 (MG/L)	10	0/2	1.0E-03	1.0E-03 *			
	00	0/1	2.0E-04	2.0E-04 *			
	01	0/22	2.0E-04	1.0E-03 *			
	08	0/2	2.0E-04	2.0E-04 *			
	07.01	0/5	2.0E-04	2.0E-04 *			
	07.02	0/17	2.0E-04	2.0E-04 *			
	02.01	0/2	2.0E-04	2.1E-04 *			
	22	0/1	1.0E-03	1.0E-03 *			
	02.02	0/12	2.0E-04	1.0E-03 *			
	02.03	0/4	2.0E-04	2.1E-04 *			
	02.04	0/2	1.2E-04	1.0E-03 *			
	13	1/48	1.9E-04	4.6E-04	4.6E-04		

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
PCB-1254 (MG/L)	20.02	0/0					
	20.01	0/0					
	03.01	1/12	2.0E-04	2.9E-04	2.9E-04		
	21	0/0					
	03.02	0/11	2.0E-04	2.1E-04 *			
	03.03	0/12	1.9E-04	2.1E-04 *			
	03.04	1/14	1.4E-04	2.1E-04 *	1.4E-04		
	04.01	0/15	2.0E-04	1.0E-03 *			
	04.02	0/6	2.0E-04	2.0E-04 *			
	04.03	0/0					
	06	0/0					
	04.04	0/11	2.0E-04	1.0E-03 *			
	18	0/0					
	05	0/3	1.0E-03	1.0E-03 *			
	10	0/2	1.0E-03	1.0E-03 *			
	00	0/1	2.0E-04	2.0E-04 *			
	01	0/22	2.0E-04	1.0E-03 *			
	08	0/2	2.0E-04	2.0E-04 *			
	07.01	0/5	2.0E-04	2.0E-04 *			
	07.02	0/17	2.0E-04	2.0E-04 *			
PCB-1260 (MG/L)	02.01	0/2	2.0E-04	2.1E-04 *			
	22	0/1	1.0E-03	1.0E-03 *			
	02.02	0/12	2.0E-04	1.0E-03 *			
	02.03	0/4	2.0E-04	2.1E-04 *			
	02.04	0/2	1.2E-04	1.0E-03 *			
	13	1/48	1.9E-04	1.0E-03	1.0E-03		
	20.02	0/0					
	20.01	0/0					
	03.01	0/12	1.3E-04	2.1E-04 *			
	21	0/0					
	03.02	0/11	2.0E-04	2.1E-04 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
PCB-1260 (MG/L)	03.03	0/12	1.9E-04	2.1E-04 *			
	03.04	0/14	2.0E-04	2.1E-04 *			
	04.01	0/15	2.0E-04	1.0E-03 *			
	04.02	0/6	2.0E-04	2.0E-04 *			
	04.03	0/0	.	.			
	06	0/0	.	.			
	04.04	0/11	2.0E-04	1.0E-03 *			
	18	0/0	.	.			
	05	0/3	1.0E-03	1.0E-03 *			
	10	0/0	.	.			
	00	7/10	2.0E-01	5.1E-01	2.9E-01	3.3E-02	3.5E-01
	01	18/28	1.3E-01	5.2E-01	2.7E-01	2.5E-02	3.1E-01
	08	0/0	.	.			
	07.01	0/0	.	.			
	07.02	0/0	.	.			
	02.01	0/0	.	.			
Phosphorus (MG/L)	22	8/10	2.0E-01	5.0E-01	3.6E-01	2.6E-02	4.1E-01
	02.02	7/9	1.8E-01	4.7E-01	2.7E-01	3.2E-02	3.3E-01
	02.03	0/0	.	.			
	02.04	7/9	2.0E-01	4.8E-01	3.0E-01	3.3E-02	3.6E-01
	13	6/9	2.0E-01	4.7E-01	2.7E-01	3.2E-02	3.3E-01
	20.02	4/10	2.0E-01	5.0E-01	2.6E-01	3.9E-02	3.4E-01
	20.01	8/9	2.0E-01	9.2E-01	4.9E-01	8.0E-02	6.4E-01
	03.01	0/0	.	.			
	21	13/18	2.0E-01	4.6E-01	3.0E-01	2.2E-02	3.4E-01
	03.02	0/0	.	.			
	03.03	6/9	2.0E-01	4.8E-01	3.0E-01	3.7E-02	3.7E-01
	03.04	0/0	.	.			
	04.01	6/9	1.6E-01	4.9E-01	2.8E-01	4.3E-02	3.6E-01
	04.02	0/0	.	.			
	04.03	0/0	.	.			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Phosphorus (MG/L)	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
Plutonium-238 (PCI/L)	18	5/9	1.7E-01	4.6E-01	2.6E-01	4.0E-02	3.3E-01
	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.
	00	0/0	.	.	.	.	.
	01	0/0	.	.	.	.	.
	08	0/0	.	.	.	.	.
	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	0/2	2.7E-01	3.5E-01 *	.	.	.
	02.02	0/0	.	.	.	.	.
	02.03	0/0	.	.	.	.	.
	02.04	0/0	.	.	.	.	.
	13	0/0	.	.	.	.	.
	20.02	1/2	-1.1E-01	5.3E-01	5.3E-01	.	.
	20.01	0/1	1.3E-01	1.3E-01 *	.	.	.
	03.01	0/0	.	.	.	.	.
	21	0/0	.	.	.	.	.
Plutonium-239 (PCI/L)	03.02	0/0	.	.	.	.	.
	03.03	0/0	.	.	.	.	.
	03.04	0/0	.	.	.	.	.
	04.01	0/0	.	.	.	.	.
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	0/0	.	.	.	.	.
	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	P/E Mean	Standard Error	95% UCB
Potassium (MG/L)	02.01	3/3	1.3E+00	1.6E+00	1.4E+00	7.1E-02	1.6E+00
	22	5/10	1.0E+00	3.2E+00	1.9E+00	2.2E-01	2.3E+00
	02.02	16/21	1.0E+00	2.3E+00	1.5E+00	5.5E-02	1.6E+00
	02.03	6/6	1.3E+00	1.5E+00	1.5E+00	4.0E-02	1.5E+00
	02.04	3/10	1.0E+00	2.0E+00 *	1.5E+00	9.8E-02	1.7E+00
	13	51/57	1.0E+00	3.3E+00	1.8E+00	7.7E-02	1.9E+00
	20.02	6/9	1.8E+00	3.0E+00	2.2E+00	1.7E-01	2.6E+00
	20.01	5/8	1.0E+00	6.0E+00	3.1E+00	5.2E-01	4.1E+00
	03.01	33/34	1.3E-02	3.1E+00	1.5E+00	8.5E-02	1.7E+00
	21	10/16	1.0E+00	5.8E+00	2.5E+00	2.4E-01	3.0E+00
	03.02	14/14	1.0E+00	2.5E+00	1.8E+00	1.4E-01	2.0E+00
	03.03	19/22	1.0E+00	3.0E+00	1.9E+00	1.2E-01	2.1E+00
	03.04	15/16	1.3E-02	2.7E+00	1.7E+00	1.3E-01	1.9E+00
	04.01	19/24	1.0E+00	2.4E+00	1.6E+00	7.1E-02	1.7E+00
	04.02	6/6	1.3E+00	1.5E+00	1.4E+00	2.6E-02	1.5E+00
	04.03	0/0					
	06	0/0					
	04.04	10/10	1.3E+00	1.7E+00	1.4E+00	3.8E-02	1.5E+00
	18	2/8	1.0E+00	2.4E+00	1.6E+00	1.4E-01	1.9E+00
	05	4/4	1.3E+00	1.8E+00	1.5E+00	1.2E-01	1.7E+00
Selenium (MG/L)	10	0/2	9.7E-04	9.7E-04 *			
	00	0/11	3.0E-03	5.0E-02 *			
	01	0/51	9.7E-04	5.0E-02 *			
	08	0/2	1.0E-03	3.0E-03 *			
	07.01	0/5	1.0E-03	3.0E-03 *			
	07.02	1/17	1.0E-03	3.0E-03 *	1.1E-03		
	02.01	0/3	3.0E-03	3.0E-03 *			
	22	0/11	9.7E-04	5.0E-02 *			
	02.02	0/22	9.7E-04	5.0E-02 *			
	02.03	0/6	1.0E-03	3.0E-03 *			
	02.04	0/11	9.7E-04	5.0E-02 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Selenium (MG/L)	13	1/58	9.7E-04	5.0E-02 *	1.2E-03		
	20.02	0/10	5.0E-02	5.0E-02 *			
	20.01	0/9	5.0E-02	5.0E-02 *			
	03.01	0/34	9.7E-04	3.0E-03 *			
	21	0/18	5.0E-02	5.0E-02 *			
	03.02	0/14	9.7E-04	3.0E-03 *			
	03.03	0/23	9.7E-04	5.0E-02 *			
	03.04	0/16	9.7E-04	5.0E-03 *			
	04.01	0/25	9.7E-04	5.0E-02 *			
	04.02	0/6	1.0E-03	3.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/11	9.7E-04	5.0E-03 *			
	18	0/9	5.0E-02	5.0E-02 *			
	05	0/4	9.7E-04	9.7E-04 *			
	10	0/2	7.4E-04	7.4E-04 *			
	00	0/11	1.0E-03	5.0E-03 *			
	01	0/51	7.4E-04	5.0E-03 *			
	08	0/2	1.0E-03	1.0E-03 *			
Silver (MG/L)	07.01	0/5	1.0E-03	1.0E-03 *			
	07.02	0/17	1.0E-03	1.0E-03 *			
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	0/11	7.4E-04	5.0E-03 *			
	02.02	0/22	7.4E-04	5.0E-03 *			
	02.03	0/6	1.0E-03	1.0E-03 *			
	02.04	0/11	7.4E-04	5.0E-03 *			
	13	1/58	7.4E-04	5.0E-03 *	1.6E-03		
	20.02	0/10	5.0E-03	5.0E-03 *			
	20.01	0/9	5.0E-03	5.0E-03 *			
	03.01	1/34	1.0E-03	4.8E-03	4.8E-03		
	21	1/18	5.0E-03	1.1E-02	1.1E-02		

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Silver (MG/L)	03.02	0/14	7.4E-04	1.0E-03 *			
	03.03	0/23	7.4E-04	5.0E-03 *			
	03.04	0/16	7.4E-04	1.0E-03 *			
	04.01	0/25	7.4E-04	5.0E-03 *			
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/11	7.4E-04	1.0E-03 *			
	18	0/9	5.0E-03	5.0E-03 *			
	05	0/4	7.4E-04	7.4E-04 *			
	10	2/2	4.9E+00	5.0E+00	5.0E+00	6.5E-02	5.4E+00
	00	11/11	2.4E+00	7.2E+00	4.4E+00	4.3E-01	5.1E+00
	01	51/51	2.5E+00	7.4E+00	4.4E+00	1.7E-01	4.7E+00
	08	2/2	3.4E+00	6.8E+00	5.1E+00	1.7E+00	1.6E+01
	07.01	5/5	3.0E+00	6.8E+00	4.5E+00	7.6E-01	6.1E+00
	07.02	17/17	2.7E+00	6.7E+00	4.3E+00	3.3E-01	4.9E+00
Sodium (MG/L)	02.01	3/3	3.6E+00	7.4E+00	5.4E+00	1.1E+00	8.6E+00
	22	11/11	4.5E+00	1.9E+01	1.3E+01	1.7E+00	1.6E+01
	02.02	22/22	3.0E+00	9.2E+00	4.8E+00	2.9E-01	5.3E+00
	02.03	6/6	3.2E+00	5.9E+00	5.0E+00	3.8E-01	5.8E+00
	02.04	11/11	3.0E+00	5.1E+00	4.2E+00	2.2E-01	4.5E+00
	13	58/58	2.4E+00	7.3E+00	3.9E+00	1.6E-01	4.2E+00
	20.02	10/10	2.8E+00	1.1E+01	4.8E+00	7.4E-01	6.2E+00
	20.01	9/9	6.3E+00	2.2E+01	1.3E+01	1.9E+00	1.6E+01
	03.01	33/34	2.0E-02	1.0E+01	4.5E+00	2.7E-01	4.9E+00
	21	18/18	1.9E+00	9.2E+00	5.2E+00	5.3E-01	6.2E+00
	03.02	14/14	2.5E+00	8.7E+00	5.2E+00	5.5E-01	6.1E+00
	03.03	23/23	1.8E+00	9.1E+00	5.1E+00	3.9E-01	5.8E+00
	03.04	15/16	2.0E-02	9.2E+00	4.6E+00	4.5E-01	5.4E+00
	04.01	25/25	1.7E+00	7.1E+00	4.2E+00	2.8E-01	4.6E+00
	04.02	6/6	3.2E+00	5.4E+00	3.9E+00	3.5E-01	4.6E+00

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Sodium (MG/L)	04.03	0/0					
	06	0/0					
Strontium-90 (PCI/L)	04.04	10/10	2.6E+00	6.7E+00	4.1E+00	4.2E-01	4.9E+00
	18	9/9	3.1E+00	1.2E+01	5.8E+00	9.5E-01	7.6E+00
	05	4/4	4.1E+00	5.1E+00	4.7E+00	2.0E-01	5.1E+00
	10	2/2	-3.5E-01	-2.7E-01	0.0E+00	0.0E+00	0.0E+00
	00	2/11	-2.6E-01	3.2E+00	2.9E+00	3.9E-02	3.0E+00
	01	17/51	-8.0E-01	4.8E+00 *	8.4E-01	1.5E-01	1.1E+00
	08	0/2	1.9E+00	3.4E+00 *			
	07.01	0/5	1.5E+00	2.7E+00 *			
	07.02	6/17	1.1E+00	5.6E+00	1.8E+00	3.4E-01	2.4E+00
	02.01	1/3	2.5E+00	1.6E+01	1.6E+01		
	22	11/11	1.0E+02	2.1E+02	1.8E+02	8.6E+00	1.9E+02
	02.02	16/22	-4.4E-01	6.6E+01	8.2E+00	3.7E+00	1.5E+01
	02.03	2/6	1.9E+00	2.7E+00 *	2.1E+00	1.5E-01	2.4E+00
	02.04	6/11	-7.4E-01	5.0E+00	1.2E+00	5.2E-01	2.2E+00
	13	11/58	-8.6E-01	8.0E+00	8.3E-01	2.5E-01	1.3E+00
	20.02	5/10	-6.6E-01	3.4E+00	2.2E+00	2.3E-01	2.6E+00
	20.01	3/9	5.2E-01	2.2E+00	1.9E+00	5.5E-02	2.0E+00
	03.01	3/14	1.8E-01	3.2E+00 *	1.1E+00	6.2E-01	2.2E+00
	21	4/18	-5.9E-01	2.3E+00	1.1E+00	8.9E-02	1.3E+00
	03.02	4/15	-2.7E-01	4.1E+00 *	7.3E-01	4.4E-01	1.5E+00
	03.03	2/22	-7.9E-01	4.1E+00	2.2E+00	1.3E-01	2.4E+00
	03.04	4/16	-3.5E-01	8.5E+01	6.2E+00	5.9E+00	1.7E+01
	04.01	10/24	-1.0E+00	2.6E+00	7.8E-01	2.2E-01	1.1E+00
	04.02	1/6	2.3E+00	8.2E+00	8.2E+00		
	04.03	0/0					
	06	0/0					
	04.04	2/9	1.3E+00	1.2E+01	2.5E+00	1.6E+00	5.5E+00
	18	3/9	-1.9E+00	2.6E+00	1.4E+00	1.8E-01	1.7E+00
	05	3/3	-3.5E-01	6.2E-01	2.1E-01	2.1E-01	8.1E-01

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Sulfate (MG/L)							
	10	0/0					
	00	10/10	1.4E+01	2.5E+01	2.0E+01	1.1E+00	2.2E+01
	01	28/28	1.4E+01	3.0E+01	2.1E+01	7.1E-01	2.2E+01
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	10/10	1.4E+01	6.4E+01	4.4E+01	5.3E+00	5.4E+01
	02.02	9/9	1.7E+01	2.7E+01	2.1E+01	9.7E-01	2.2E+01
	02.03	0/0					
	02.04	9/9	1.6E+01	2.6E+01	2.0E+01	1.0E+00	2.2E+01
	13	9/9	3.2E+01	4.8E+01	3.8E+01	2.2E+00	4.2E+01
	20.02	10/10	1.5E+01	5.1E+01	2.7E+01	3.8E+00	3.4E+01
	20.01	9/9	2.0E+01	4.1E+01	3.2E+01	2.8E+00	3.7E+01
	03.01	0/0					
	21	18/18	1.3E+01	4.6E+01	2.6E+01	2.3E+00	3.0E+01
	03.02	0/0					
	03.03	9/9	1.7E+01	3.5E+01	2.6E+01	2.0E+00	3.0E+01
	03.04	0/0					
	04.01	9/9	1.1E+01	2.7E+01	1.8E+01	1.5E+00	2.1E+01
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	9/9	7.7E+00	6.8E+01	1.8E+01	6.4E+00	3.0E+01
	05	0/0					
	10	0/0					
	00	1/10	-2.7E+00	6.5E+00	6.5E+00		
	01	6/28	-3.8E+00	2.3E+01	5.8E+00	7.1E-01	7.0E+00
	08	0/0					
	07.01	0/0					
Technetium-99 (PCI/L)							

Technetium-99 (PCI/L)

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Technetium-99 (PCI/L)	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	10/10	4.3E+00	3.5E+01	1.7E+01	2.8E+00	2.2E+01
	02.02	2/9	-1.6E+00	8.9E+00	7.2E+00	2.8E-01	7.8E+00
	02.03	0/0	.	.	.	.	.
	02.04	2/9	-1.9E+00	1.3E+01	3.4E+00	1.6E+00	6.4E+00
	13	2/9	-2.7E+00	1.0E+01	8.6E+00	2.4E-01	9.0E+00
	20.02	9/10	5.4E-01	2.5E+01	1.2E+01	2.2E+00	1.6E+01
	20.01	5/9	5.4E-01	1.0E+01	5.2E+00	1.1E+00	7.2E+00
	03.01	0/0	.	.	.	.	.
	21	13/18	2.7E-01	3.2E+01	1.3E+01	2.1E+00	1.6E+01
	03.02	0/0	.	.	.	.	.
	03.03	3/9	-4.1E+00	8.4E+00	7.7E+00	1.0E-01	7.9E+00
	03.04	0/0	.	.	.	.	.
	04.01	3/9	-2.7E+00	5.9E+00	3.5E+00	4.0E-01	4.2E+00
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	1/8	-1.9E+00	7.3E+00	7.3E+00	.	.
Tetrachloroethene (MG/L)	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.
	00	0/10	5.0E-03	5.0E-03 *	.	.	.
	01	0/28	5.0E-03	5.0E-03 *	.	.	.
	08	0/0	.	.	.	.	.
	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	0/10	5.0E-03	5.0E-03 *	.	.	.
	02.02	0/9	5.0E-03	5.0E-03 *	.	.	.
	02.03	0/0	.	.	.	.	.

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Tetrachloroethene (MG/L)	02.04	0/9	5.0E-03	5.0E-03 *			
	13	0/9	5.0E-03	5.0E-03 *			
	20.02	0/10	5.0E-03	5.0E-03 *			
	20.01	0/9	5.0E-03	5.0E-03 *			
	03.01	0/0					
	21	2/18	1.2E-03	5.0E-03 *	1.3E-03	5.0E-05	1.3E-03
	03.02	0/0					
	03.03	0/9	5.0E-03	5.0E-03 *			
	03.04	0/0					
	04.01	0/9	5.0E-03	5.0E-03 *			
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	0/9	5.0E-03	5.0E-03 *			
	05	0/0					
Thallium (MG/L)	10	0/2	2.7E-03	2.7E-03 *			
	00	0/10	1.0E-03	5.0E-03 *			
	01	1/48	1.0E-03	1.1E+00	1.1E+00		
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	0/5	1.0E-03	1.0E-03 *			
	07.02	0/17	1.0E-03	1.0E-03 *			
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	0/10	2.7E-03	5.0E-03 *			
	02.02	0/21	1.0E-03	5.0E-03 *			
	02.03	0/6	1.0E-03	1.0E-03 *			
	02.04	0/10	1.0E-03	5.0E-03 *			
	13	0/57	1.0E-03	5.0E-03 *			
	20.02	1/9	5.0E-03	5.6E-03	5.6E-03		
	20.01	0/8	5.0E-03	5.0E-03 *			
	03.01	0/34	1.0E-03	2.7E-03 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Thallium (MG/L)	21	0/16	5.0E-03	5.0E-03 *			
	03.02	0/14	1.0E-03	2.7E-03 *			
	03.03	1/22	1.0E-03	7.0E-03	7.0E-03		
	03.04	0/16	1.0E-03	2.7E-03 *			
	04.01	0/24	1.0E-03	5.0E-03 *			
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	0/0	.	.			
	06	0/0	.	.			
	04.04	0/11	1.0E-03	2.7E-03 *			
	18	0/8	5.0E-03	5.0E-03 *			
	05	0/4	2.7E-03	2.7E-03 *			
	10	0/0	.	.			
	00	0/10	5.0E-03	5.0E-03 *			
	01	0/28	5.0E-03	5.0E-03 *			
	08	0/0	.	.			
	07.01	0/0	.	.			
Toluene (MG/L)	07.02	0/0	.	.			
	02.01	0/0	.	.			
	22	0/10	5.0E-03	5.0E-03 *			
	02.02	0/9	5.0E-03	5.0E-03 *			
	02.03	0/0	.	.			
	02.04	1/9	1.0E-03	5.0E-03 *	1.0E-03		
	13	0/9	5.0E-03	5.0E-03 *			
	20.02	0/10	5.0E-03	5.0E-03 *			
	20.01	0/9	5.0E-03	5.0E-03 *			
	03.01	0/0	.	.			
	21	0/18	5.0E-03	5.0E-03 *			
	03.02	0/0	.	.			
	03.03	0/9	5.0E-03	5.0E-03 *			
	03.04	0/0	.	.			
	04.01	0/9	5.0E-03	5.0E-03 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Toluene (MG/L)	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	0/9	5.0E-03	5.0E-03 *	.	.	.
	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.
	00	10/10	1.0E+02	1.3E+02	1.2E+02	3.1E+00	1.2E+02
	01	28/28	8.9E+01	1.5E+02	1.2E+02	2.5E+00	1.2E+02
	08	0/0	.	.	.	.	.
Total hardness (MG/L)	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	10/10	7.4E+01	1.7E+02	1.3E+02	8.3E+00	1.5E+02
	02.02	9/9	1.0E+02	1.3E+02	1.2E+02	4.0E+00	1.2E+02
	02.03	0/0	.	.	.	.	.
	02.04	9/9	1.0E+02	1.3E+02	1.2E+02	3.6E+00	1.2E+02
	13	9/9	7.8E+01	1.6E+02	1.1E+02	1.1E+01	1.4E+02
	20.02	10/10	1.1E+02	2.1E+02	1.6E+02	1.3E+01	1.8E+02
	20.01	9/9	1.1E+02	1.7E+02	1.5E+02	5.9E+00	1.6E+02
	03.01	0/0	.	.	.	.	.
	21	18/18	4.1E+01	1.9E+02	1.2E+02	1.2E+01	1.4E+02
	03.02	0/0	.	.	.	.	.
	03.03	9/9	4.9E+01	1.5E+02	1.0E+02	1.1E+01	1.2E+02
	03.04	0/0	.	.	.	.	.
	04.01	9/9	6.7E+01	1.5E+02	1.1E+02	7.7E+00	1.3E+02
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	9/9	5.4E+01	8.4E+01	6.4E+01	3.9E+00	7.1E+01

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Total hardness (MG/L)							
Trichloroethene (MG/L)	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.
	00	0/10	5.0E-03	5.0E-03 *	.	.	.
	01	0/28	5.0E-03	5.0E-03 *	.	.	.
	08	0/0	.	.	.	.	.
	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	0/10	5.0E-03	5.0E-03 *	.	.	.
	02.02	1/9	3.0E-03	5.0E-03 *	3.0E-03	.	.
	02.03	0/0	.	.	.	.	.
	02.04	0/9	5.0E-03	5.0E-03 *	.	.	.
	13	0/9	5.0E-03	5.0E-03 *	.	.	.
	20.02	0/10	5.0E-03	5.0E-03 *	.	.	.
	20.01	0/9	5.0E-03	5.0E-03 *	.	.	.
	03.01	0/0	.	.	.	.	.
	21	8/18	5.0E-03	5.0E-02	2.0E-02	3.4E-03	2.6E-02
	03.02	0/0	.	.	.	.	.
	03.03	0/9	5.0E-03	5.0E-03 *	.	.	.
	03.04	0/0	.	.	.	.	.
	04.01	0/9	5.0E-03	5.0E-03 *	.	.	.
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	0/9	5.0E-03	5.0E-03 *	.	.	.
	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.
Tritium (PCI/L)	00	0/11	-4.8E+02	3.2E+02 *	.	.	.
	01	5/45	-4.2E+02	2.7E+03	5.8E+02	5.5E+01	6.7E+02
	08	0/2	9.2E+01	2.7E+02 *	.	.	.

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Tritium (PCI/L)							
	07.01	0/5	9.2E+01	2.7E+02 *			
	07.02	0/16	9.3E+01	2.7E+02 *			
	02.01	1/3	2.0E+02	1.5E+04	1.5E+04		
	22	10/10	3.5E+04	2.3E+05	1.3E+05	2.0E+04	1.7E+05
	02.02	14/21	1.8E+02	6.3E+04	8.3E+03	4.0E+03	1.5E+04
	02.03	2/6	2.0E+02	1.1E+03	4.8E+02	1.7E+02	8.2E+02
	02.04	3/10	-5.1E+01	7.7E+02	4.5E+02	4.7E+01	5.3E+02
	13	3/55	-4.6E+02	2.5E+03	6.9E+02	4.2E+01	7.6E+02
	20.02	3/9	-5.8E+02	1.2E+03	6.5E+02	8.6E+01	8.1E+02
	20.01	2/9	-4.2E+02	2.7E+03	8.4E+02	3.1E+02	1.4E+03
	03.01	1/13	9.2E+01	1.9E+03	1.9E+03		
	21	4/18	-7.5E+02	6.6E+02	2.4E+02	3.4E+01	3.0E+02
	03.02	1/13	9.4E+01	8.2E+02	8.2E+02		
	03.03	2/21	-5.0E+02	2.7E+03	6.3E+02	1.4E+02	8.8E+02
	03.04	2/15	1.5E+02	9.2E+02	3.4E+02	5.6E+01	4.4E+02
	04.01	6/23	-5.1E+02	5.1E+02	2.7E+02	1.7E+01	3.0E+02
	04.02	4/6	2.7E+02	9.5E+02	5.1E+02	1.4E+02	7.9E+02
	04.03	0/0					
	06	0/0					
	04.04	5/7	2.1E+02	3.5E+02	2.4E+02	1.9E+01	2.8E+02
	18	1/9	-3.4E+02	2.5E+03	2.5E+03		
	05	0/0					
	10	0/0					
Uranium (MG/L)							
	00	6/10	1.0E-04	1.0E-03 *	1.8E-04	5.3E-05	2.8E-04
	01	17/45	1.0E-04	1.6E-03	3.2E-04	6.5E-05	4.2E-04
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	1/5	1.0E-03	2.1E-03	2.1E-03		
	07.02	1/17	1.0E-03	5.4E-03	5.4E-03		
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	9/9	3.0E-04	1.0E-02	3.1E-03	9.5E-04	4.9E-03
	02.02	4/20	1.0E-04	3.0E-03	3.5E-04	1.9E-04	6.8E-04

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Uranium (MG/L)	02.03	0/6	1.0E-03	1.0E-03 *			
	02.04	5/9	1.0E-04	1.0E-03 *	2.2E-04	8.7E-05	3.8E-04
	13	3/56	1.0E-04	2.0E-03	2.0E-04	4.0E-05	2.6E-04
	20.02	8/9	1.0E-04	3.8E-02	2.2E-02	2.4E-03	2.7E-02
	20.01	7/8	1.0E-04	1.5E-02	8.2E-03	1.1E-03	1.0E-02
	03.01	24/33	1.0E-03	1.0E-02	2.7E-03	3.4E-04	3.3E-03
	21	10/16	1.0E-04	1.8E-02	6.3E-03	1.7E-03	9.3E-03
	03.02	13/13	1.1E-03	3.6E-03	2.4E-03	1.9E-04	2.7E-03
	03.03	18/21	1.0E-04	8.5E-03	2.5E-03	3.3E-04	3.1E-03
	03.04	12/15	1.0E-03	3.2E-03	2.0E-03	1.7E-04	2.2E-03
	04.01	10/23	1.0E-04	2.0E-03	4.8E-04	1.3E-04	7.1E-04
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	0/0	.	.			
	06	0/0	.	.			
	04.04	0/9	1.0E-03	1.0E-03 *			
	18	3/8	1.0E-04	1.0E-03	3.0E-04	1.1E-04	5.2E-04
	05	0/0	.	.			
	10	0/0	.	.			
	00	0/0	.	.			
	01	0/0	.	.			
	08	0/0	.	.			
Uranium-234 (PCI/L)	07.01	0/0	.	.			
	07.02	0/0	.	.			
	02.01	0/0	.	.			
	22	8/8	2.5E+00	5.4E+00	3.8E+00	3.6E-01	4.5E+00
	02.02	1/1	1.8E-01	1.8E-01	1.8E-01		
	02.03	0/0	.	.			
	02.04	0/0	.	.			
	13	1/1	5.9E-01	5.9E-01	5.9E-01		
	20.02	9/9	2.3E+00	8.4E+00	3.9E+00	6.0E-01	5.1E+00
	20.01	7/7	1.3E+00	2.2E+00	1.7E+00	1.2E-01	2.0E+00

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Uranium-234 (PCI/L)	03.01	0/0					
	21	8/8	4.3E+00	1.1E+01	7.7E+00	7.7E-01	9.1E+00
	03.02	0/0					
	03.03	2/2	1.1E+00	1.9E+00	1.5E+00	3.6E-01	3.8E+00
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
Uranium-235 (PCI/L)	22	4/8	-1.4E-02	3.2E-01	2.2E-01	2.4E-02	2.7E-01
	02.02	0/1	5.1E-02	5.1E-02 *			
	02.03	0/0					
	02.04	0/0					
	13	0/1	7.8E-02	7.8E-02 *			
	20.02	5/9	-2.7E-01	6.8E-01	2.8E-01	7.5E-02	4.2E-01
	20.01	3/7	2.7E-03	4.3E-01	2.2E-01	4.3E-02	3.0E-01
	03.01	0/0					
	21	7/8	1.2E-01	6.5E-01	3.5E-01	6.0E-02	4.7E-01
	03.02	0/0					
	03.03	0/2	3.5E-02	7.3E-02 *			
	03.04	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Uranium-235 (PCI/L)	04.01	0/0	.	.	.	.	.
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	18	0/0	.	.	.	.	.
	05	0/0	.	.	.	.	.
	10	0/0	.	.	.	.	.
	00	6/10	2.7E-02	3.0E+00	8.6E-01	2.9E-01	1.4E+00
	01	17/28	-6.2E-01	3.5E+00	9.0E-01	1.7E-01	1.2E+00
Uranium-238 (PCI/L)	08	0/0	.	.	.	.	.
	07.01	0/0	.	.	.	.	.
	07.02	0/0	.	.	.	.	.
	02.01	0/0	.	.	.	.	.
	22	10/10	2.1E+00	5.4E+00	3.1E+00	3.0E-01	3.6E+00
	02.02	7/9	1.5E-01	1.4E+00	5.0E-01	1.3E-01	7.5E-01
	02.03	0/0	.	.	.	.	.
	02.04	7/9	1.4E-01	1.6E+00	6.4E-01	1.4E-01	9.1E-01
	13	5/9	2.2E-01	1.2E+00	4.9E-01	9.7E-02	6.7E-01
	20.02	10/10	6.4E+00	1.9E+01	8.9E+00	1.1E+00	1.1E+01
	20.01	8/9	5.9E-04	4.6E+00	3.3E+00	2.3E-01	3.7E+00
	03.01	0/0	.	.	.	.	.
	21	17/18	2.7E-01	9.5E+00	4.2E+00	8.1E-01	5.6E+00
	03.02	0/0	.	.	.	.	.
	03.03	8/9	2.2E-04	2.2E+00	1.4E+00	1.9E-01	1.7E+00
	03.04	0/0	.	.	.	.	.
	04.01	9/9	3.5E-01	5.4E+00	1.1E+00	5.4E-01	2.1E+00
	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	06	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Uranium-238 (PCI/L)	18	6/9	1.6E-01	5.9E+00	1.5E+00	6.7E-01	2.8E+00
	05	0/0					
	10	0/0					
Vanadium (MG/L)	00	3/11	1.0E-03	2.4E-02	4.6E-03	2.3E-03	8.7E-03
	01	11/48	1.0E-03	2.3E-02	2.0E-03	4.8E-04	2.8E-03
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	4/5	1.0E-03	1.6E-03	1.4E-03	6.0E-05	1.5E-03
	07.02	3/17	1.0E-03	1.1E-03	1.0E-03	9.6E-06	1.0E-03
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	9/10	2.0E-03	3.7E-03	2.8E-03	1.9E-04	3.1E-03
	02.02	8/21	1.0E-03	3.0E-03	1.5E-03	1.4E-04	1.7E-03
	02.03	0/6	1.0E-03	1.0E-03 *			
	02.04	2/10	1.0E-03	2.4E-03	2.4E-03	0.0E+00	2.4E-03
	13	25/57	1.0E-03	3.2E-03	1.2E-03	5.7E-05	1.3E-03
	20.02	2/10	2.0E-03	2.3E-02	4.6E-03	2.8E-03	9.6E-03
	20.01	1/9	2.0E-03	2.0E-03	2.0E-03		
	03.01	17/33	1.0E-03	2.4E-03	1.3E-03	7.0E-05	1.4E-03
	21	6/18	2.0E-03	1.9E-02	3.7E-03	9.5E-04	5.3E-03
	03.02	3/13	1.0E-03	1.7E-03	1.2E-03	5.9E-05	1.3E-03
	03.03	8/22	1.0E-03	4.2E-03	1.5E-03	1.8E-04	1.9E-03
	03.04	5/15	1.0E-03	3.2E-03	1.3E-03	1.6E-04	1.6E-03
	04.01	5/24	1.0E-03	3.8E-03	1.4E-03	1.3E-04	1.6E-03
	04.02	3/6	1.0E-03	1.2E-03	1.2E-03	0.0E+00	1.2E-03
	04.03	0/0					
	06	0/0					
Vinyl chloride (MG/L)	04.04	6/9	1.0E-03	1.6E-03	1.2E-03	6.4E-05	1.3E-03
	18	1/9	2.0E-03	6.6E-03	6.6E-03		
	05	0/0					
	10	0/0					
	00	0/10	1.0E-02	1.0E-02 *			
	01	0/28	1.0E-02	1.0E-02 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Zinc (MG/L)	02.02	13/22	4.1E-03	3.7E-02	1.1E-02	2.1E-03	1.5E-02
	02.03	6/6	4.7E-03	2.0E-02	1.4E-02	2.8E-03	1.9E-02
	02.04	5/11	3.9E-03	5.2E-02	9.0E-03	4.6E-03	1.7E-02
	13	51/58	2.9E-03	4.3E-02	1.1E-02	1.1E-03	1.3E-02
	20.02	3/10	5.0E-03	6.0E-02	1.8E-02	6.1E-03	3.0E-02
	20.01	6/9	5.0E-03	2.1E-02	1.1E-02	2.1E-03	1.5E-02
	03.01	33/34	5.4E-03	4.7E-02	1.5E-02	1.5E-03	1.7E-02
	21	10/18	5.0E-03	1.4E-01	1.8E-02	7.8E-03	3.2E-02
	03.02	13/14	4.8E-03	2.3E-02	9.9E-03	1.3E-03	1.2E-02
	03.03	18/23	4.9E-03	3.3E-02	1.1E-02	1.6E-03	1.4E-02
	03.04	14/16	2.7E-03	3.5E-02	1.4E-02	2.4E-03	1.8E-02
	04.01	16/25	2.8E-03	2.0E-01	2.3E-02	1.1E-02	4.2E-02
	04.02	6/6	3.3E-03	1.2E-02	5.8E-03	1.3E-03	8.4E-03
	04.03	0/0					
	06	0/0					
	04.04	9/10	2.7E-03	3.1E-02	1.1E-02	3.2E-03	1.7E-02
	18	3/9	5.0E-03	1.6E-02	7.8E-03	1.5E-03	1.1E-02
	05	0/4	3.4E-03	1.3E-02 *			
	10	0/2	5.0E-05	5.0E-05 *			
	00	0/1	1.0E-05	1.0E-05 *			
alpha-BHC (MG/L)	01	0/22	9.9E-06	5.0E-05 *			
	08	0/2	1.0E-05	1.0E-05 *			
	07.01	0/5	1.0E-05	1.0E-05 *			
	07.02	1/17	1.0E-05	1.3E-05	1.3E-05		
	02.01	0/2	1.0E-05	1.1E-05 *			
	22	0/1	5.0E-05	5.0E-05 *			
	02.02	0/12	1.0E-05	5.0E-05 *			
	02.03	0/4	1.0E-05	1.0E-05 *			
	02.04	0/2	6.0E-06	5.0E-05 *			
	13	0/48	6.2E-06	1.1E-05 *			
	20.02	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
alpha-BHC (MG/L)	20.01	0/0					
	03.01	0/12	6.3E-06	1.0E-05 *			
	21	0/0					
	03.02	0/11	1.0E-05	1.1E-05 *			
	03.03	0/12	9.5E-06	1.0E-05 *			
	03.04	0/14	9.9E-06	1.0E-05 *			
	04.01	0/15	1.0E-05	5.0E-05 *			
	04.02	0/6	1.0E-05	1.0E-05 *			
	04.03	0/0					
	06	0/0					
	04.04	0/11	1.0E-05	5.0E-05 *			
	18	0/0					
	05	0/3	5.0E-05	5.0E-05 *			
	10	0/0					
	00	0/10	5.0E-03	5.0E-03 *			
cis-1,3-Dichloropropene (MG/L)	01	0/28	5.0E-03	5.0E-03 *			
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	0/10	5.0E-03	5.0E-03 *			
	02.02	0/9	5.0E-03	5.0E-03 *			
	02.03	0/0					
	02.04	0/9	5.0E-03	5.0E-03 *			
	13	0/9	5.0E-03	5.0E-03 *			
	20.02	0/10	5.0E-03	5.0E-03 *			
	20.01	0/9	5.0E-03	5.0E-03 *			
	03.01	0/0					
	21	1/18	5.0E-03	2.5E-02	2.5E-02		
	03.02	0/0					
	03.03	0/9	5.0E-03	5.0E-03 *			

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
cis-1,3-Dichloropropene (MG/L)	03.04	0/0					
	04.01	0/9	5.0E-03	5.0E-03 *			
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	0/9	5.0E-03	5.0E-03 *			
	05	0/0					
	10	0/2	5.0E-04	5.0E-04 *			
	00	0/1	1.0E-05	1.0E-05 *			
gamma-Chlordane (MG/L)	01	0/22	9.9E-06	5.0E-04 *			
	08	0/2	1.0E-05	1.0E-05 *			
	07.01	0/5	1.0E-05	1.0E-05 *			
	07.02	0/17	1.0E-05	1.0E-05 *			
	02.01	0/2	1.0E-05	1.1E-05 *			
	22	0/1	5.0E-04	5.0E-04 *			
	02.02	0/12	1.0E-05	5.0E-04 *			
	02.03	0/4	1.0E-05	1.0E-05 *			
	02.04	0/2	6.0E-06	5.0E-04 *			
	13	0/48	6.2E-06	1.1E-05 *			
	20.02	0/0					
	20.01	0/0					
	03.01	0/12	6.3E-06	1.0E-05 *			
	21	0/0					
	03.02	0/11	1.0E-05	1.1E-05 *			
	03.03	0/12	9.5E-06	1.0E-05 *			
	03.04	0/14	9.9E-06	1.0E-05 *			
	04.01	1/15	1.0E-05	5.0E-04 *	1.0E-05		
	04.02	0/6	1.0E-05	1.0E-05 *			
	04.03	0/0					
	06	0/0					

Table B3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
gamma-Chlordane (MG/L)	04.04	0/11	1.0E-05	5.0E-04 *			
	18	0/0					
	05	0/3	5.0E-04	5.0E-04 *			

* Maximum value is a non-detect

Table B4. Summary statistics for filtered (dissolved) contaminants in surface water.

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Aluminum (MG/L)	10	0/0					
	00	1/1	2.4E-02	2.4E-02	2.4E-02		
	01	15/17	7.0E-03	4.6E-02	2.0E-02	2.6E-03	2.5E-02
	08	1/2	7.0E-03	2.2E-02	2.2E-02		
	07.01	1/5	6.0E-03	1.1E-02	1.1E-02		
	07.02	10/17	6.0E-03	1.6E-02	1.1E-02	6.2E-04	1.2E-02
	02.01	3/3	1.2E-02	3.7E-02	2.2E-02	7.8E-03	4.5E-02
	22	0/0					
	02.02	4/12	6.0E-03	2.2E-02 *	9.5E-03	1.4E-03	1.2E-02
	02.03	2/6	6.0E-03	1.3E-02 *	7.4E-03	1.4E-03	1.0E-02
	02.04	0/1	1.1E-02	1.1E-02 *			
	13	36/46	7.0E-03	4.2E-01	2.5E-02	8.9E-03	4.0E-02
	03.01	13/13	1.0E-02	1.8E-01	3.6E-02	1.3E-02	5.8E-02
	03.02	12/13	7.0E-03	4.9E-02	2.0E-02	3.1E-03	2.5E-02
	03.03	11/13	7.0E-03	3.6E-02	1.8E-02	2.0E-03	2.1E-02
	03.04	14/15	9.5E-03	3.3E-02	1.9E-02	1.9E-03	2.2E-02
	04.01	14/15	7.0E-03	3.8E-02	1.9E-02	2.4E-03	2.3E-02
	04.02	4/6	6.0E-03	1.7E-02	1.2E-02	1.5E-03	1.5E-02
	04.03	0/0					
	06	0/0					
	04.04	7/9	6.0E-03	3.4E-02	1.8E-02	3.3E-03	2.4E-02
	05	0/0					
Ammonium nitrogen (MG/L)	10	0/0					
	00	0/1	5.0E-02	5.0E-02 *			
	01	5/20	5.0E-02	1.3E-01	5.6E-02	4.3E-03	6.3E-02
	08	0/2	5.0E-02	5.0E-02 *			
	07.01	2/5	5.0E-02	9.8E-02	6.0E-02	1.2E-02	8.6E-02
	07.02	6/17	5.0E-02	1.9E-01	7.4E-02	8.7E-03	8.9E-02
	02.01	0/3	5.0E-02	5.0E-02 *			
	22	0/0					
	02.02	3/12	5.0E-02	6.0E-02	5.5E-02	6.3E-04	5.6E-02

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Ammonium nitrogen	02.03	1/6	5.0E-02	5.7E-02	5.7E-02		
	02.04	0/0					
	13	16/47	5.0E-02	1.5E-01	5.8E-02	3.0E-03	6.3E-02
	03.01	4/12	5.0E-02	1.2E-01	6.5E-02	6.2E-03	7.6E-02
	03.02	6/13	5.0E-02	1.6E-01	7.1E-02	8.4E-03	8.6E-02
	03.03	7/13	5.0E-02	1.7E-01	7.1E-02	8.9E-03	8.6E-02
	03.04	6/15	5.0E-02	1.3E-01	7.3E-02	7.5E-03	8.6E-02
	04.01	2/15	5.0E-02	6.2E-02	5.7E-02	4.6E-04	5.8E-02
	04.02	0/6	5.0E-02	5.0E-02 *			
	04.03	0/0					
	06	0/0					
	04.04	2/9	5.0E-02	7.5E-02	5.8E-02	2.8E-03	6.3E-02
	05	0/0					
	10	0/2	1.9E-03	1.9E-03 *			
	00	1/1	4.7E-03	4.7E-03	4.7E-03		
	01	13/20	1.0E-03	1.1E-02	4.1E-03	7.5E-04	5.4E-03
Antimony (MG/L)	08	1/2	1.0E-03	3.4E-03	3.4E-03		
	07.01	5/5	3.4E-03	6.9E-03	5.2E-03	6.0E-04	6.5E-03
	07.02	12/17	1.0E-03	1.2E-02	3.3E-03	6.5E-04	4.5E-03
	02.01	2/3	1.0E-03	3.9E-03	3.2E-03	3.8E-04	4.4E-03
	22	0/1	1.9E-03	1.9E-03 *			
	02.02	12/13	1.9E-03	1.2E-02	6.4E-03	7.3E-04	7.7E-03
	02.03	6/6	3.2E-03	9.7E-03	6.3E-03	1.0E-03	8.4E-03
	02.04	0/2	1.0E-03	1.9E-03 *			
	13	42/47	1.0E-03	1.2E-02	4.9E-03	4.1E-04	5.6E-03
	03.01	8/14	1.0E-03	7.3E-03	4.0E-03	5.9E-04	5.0E-03
	03.02	10/14	1.0E-03	1.0E-02	6.2E-03	4.0E-04	6.9E-03
	03.03	12/14	1.0E-03	1.1E-02	5.5E-03	6.0E-04	6.5E-03
	03.04	14/16	1.0E-03	1.3E-02	4.8E-03	7.5E-04	6.1E-03
	04.01	11/16	1.0E-03	7.7E-03	4.2E-03	4.9E-04	5.1E-03
	04.02	6/6	3.9E-03	9.5E-03	5.7E-03	9.3E-04	7.6E-03

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Antimony (MG/L)	04.03	0/0					
	06	0/0					
Arsenic (MG/L)	04.04	8/11	1.0E-03	7.5E-03	3.5E-03	6.8E-04	4.7E-03
	05	0/4	1.9E-03	1.9E-03 *			
	10	0/2	1.3E-03	1.3E-03 *			
	00	0/1	1.0E-03	1.0E-03 *			
	01	3/20	1.0E-03	3.0E-03 *	1.2E-03	3.0E-05	1.3E-03
	08	0/2	1.0E-03	3.0E-03 *			
	07.01	5/5	1.7E-03	5.3E-03	3.9E-03	6.5E-04	5.3E-03
	07.02	5/17	1.0E-03	3.0E-03 *	1.2E-03	9.7E-05	1.3E-03
	02.01	0/3	1.0E-03	3.0E-03 *			
	22	0/1	1.3E-03	1.3E-03 *			
	02.02	1/13	1.0E-03	1.3E-03 *	1.1E-03		
	02.03	0/6	1.0E-03	3.0E-03 *			
	02.04	1/2	1.3E-03	1.3E-03 *	1.3E-03		
	13	6/47	1.0E-03	3.0E-03 *	1.1E-03	3.1E-05	1.1E-03
	03.01	2/14	1.0E-03	3.0E-03 *	1.1E-03	2.5E-05	1.2E-03
	03.02	2/14	1.0E-03	3.0E-03 *	1.3E-03	9.4E-06	1.4E-03
	03.03	3/14	1.0E-03	3.0E-03 *	1.2E-03	6.5E-05	1.3E-03
	03.04	4/16	1.0E-03	3.0E-03 *	1.2E-03	4.2E-05	1.2E-03
Barium (MG/L)	04.01	4/16	1.0E-03	3.0E-03 *	1.1E-03	1.3E-05	1.1E-03
	04.02	1/6	1.0E-03	3.0E-03 *	1.7E-03		
	04.03	0/0					
	06	0/0					
	04.04	3/11	1.0E-03	3.0E-03 *	1.8E-03	8.4E-05	2.0E-03
	05	0/4	1.3E-03	1.3E-03 *			
	10	0/0					
	00	1/1	3.0E-02	3.0E-02	3.0E-02		
	01	17/17	2.0E-02	2.9E-02	2.3E-02	4.8E-04	2.4E-02
	08	2/2	2.2E-02	2.7E-02	2.4E-02	2.1E-03	3.8E-02
	07.01	5/5	2.6E-02	4.0E-02	3.0E-02	2.5E-03	3.5E-02

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Barium (MG/L)	07.02	16/17	1.0E-03	3.2E-02	2.5E-02	7.7E-04	2.6E-02
	02.01	3/3	2.1E-02	2.9E-02	2.4E-02	2.5E-03	3.2E-02
	22	0/0					
	02.02	12/12	2.0E-02	2.7E-02	2.4E-02	8.1E-04	2.6E-02
	02.03	6/6	2.1E-02	2.8E-02	2.4E-02	1.1E-03	2.6E-02
	02.04	1/1	3.2E-02	3.2E-02	3.2E-02		
	13	46/46	2.1E-02	5.2E-02	3.7E-02	1.3E-03	4.0E-02
	03.01	13/13	2.2E-02	4.8E-02	3.3E-02	2.0E-03	3.7E-02
	03.02	13/13	2.1E-02	4.2E-02	3.4E-02	1.7E-03	3.7E-02
	03.03	13/13	2.2E-02	3.8E-02	3.0E-02	1.4E-03	3.2E-02
	03.04	15/15	2.0E-02	3.8E-02	2.9E-02	1.3E-03	3.1E-02
	04.01	15/15	1.9E-02	2.9E-02	2.4E-02	7.2E-04	2.6E-02
	04.02	6/6	2.2E-02	2.6E-02	2.4E-02	7.2E-04	2.6E-02
	04.03	0/0					
	06	0/0					
	04.04	9/9	2.2E-02	2.8E-02	2.5E-02	7.7E-04	2.6E-02
	05	0/0					
Benzoic acid (MG/L)	10	0/0					
	00	1/1	1.0E-03	1.0E-03	1.0E-03		
	01	0/20	2.0E-02	2.2E-02 *			
	08	0/2	2.0E-02	2.0E-02 *			
	07.01	0/5	2.0E-02	2.0E-02 *			
	07.02	0/17	2.0E-02	2.1E-02 *			
	02.01	0/2	2.0E-02	2.0E-02 *			
	22	0/0					
	02.02	0/12	2.0E-02	2.4E-02 *			
	02.03	0/5	2.0E-02	2.2E-02 *			
	02.04	0/1	2.0E-02	2.0E-02 *			
	13	2/46	1.0E-03	2.1E-02 *	1.5E-03	5.0E-04	2.3E-03
	03.01	0/12	1.9E-02	2.0E-02 *			
	03.02	0/10	2.0E-02	2.0E-02 *			

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Benzoic acid (MG/L)	03.03	0/12	2.0E-02	2.1E-02 *			
	03.04	0/14	2.0E-02	2.1E-02 *			
	04.01	0/14	2.0E-02	2.1E-02 *			
	04.02	0/6	2.0E-02	2.0E-02 *			
	04.03	0/0					
	06	0/0					
	04.04	0/9	2.0E-02	2.0E-02 *			
	05	0/0					
	10	0/0					
	00	0/1	5.0E-03	5.0E-03 *	2.3E-03	1.8E-03	5.4E-03
Bis(2-ethylhexyl)phthalate (MG/L)	01	2/20	1.0E-03	2.7E-02			
	08	0/2	5.0E-03	5.0E-03 *			
	07.01	0/5	5.0E-03	5.0E-03 *			
	07.02	0/17	5.0E-03	5.0E-03 *			
	02.01	1/2	1.0E-03	5.0E-03 *	1.0E-03		
	22	0/0					
	02.02	1/12	4.0E-03	6.0E-03 *	4.0E-03		
	02.03	1/5	2.0E-03	6.0E-03 *	2.0E-03		
	02.04	1/1	3.5E-03	3.5E-03	3.5E-03		
	13	4/46	1.0E-03	2.3E-01	7.7E-03	5.8E-03	1.7E-02
Boron (MG/L)	03.01	1/12	4.0E-03	6.0E-03 *	4.0E-03		
	03.02	0/10	5.0E-03	5.0E-03 *			
	03.03	0/12	5.0E-03	5.0E-03 *			
	03.04	0/14	5.0E-03	5.0E-03 *			
	04.01	4/14	1.0E-03	5.0E-03 *	1.5E-03	5.0E-04	2.4E-03
	04.02	1/6	1.0E-03	5.0E-03 *	1.0E-03		
	04.03	0/0					
	06	0/0					
	04.04	1/9	5.0E-03	3.0E-02	3.0E-02		
	05	0/0					
	10	0/0					

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Boron (MG/L)	00	1/1	1.7E-02	1.7E-02	1.7E-02		
	01	13/17	1.1E-02	8.4E-02	4.4E-02	5.5E-03	5.4E-02
	08	1/2	1.2E-02	1.8E-02 *	1.2E-02		
	07.01	3/5	1.1E-02	6.6E-02 *	3.5E-02	5.9E-03	4.8E-02
	07.02	9/17	1.1E-02	1.2E-01	5.2E-02	7.4E-03	6.5E-02
	02.01	2/3	3.0E-03	1.0E-01	4.8E-02	3.0E-02	1.4E-01
	22	0/0					
	02.02	8/12	2.1E-02	1.5E-01	4.4E-02	1.1E-02	6.3E-02
	02.03	3/6	3.0E-03	7.5E-02	3.6E-02	9.1E-03	5.5E-02
	02.04	1/1	3.4E-02	3.4E-02	3.4E-02		
	13	38/46	3.0E-03	9.1E-02	4.2E-02	3.2E-03	4.7E-02
	03.01	12/13	3.2E-03	1.6E-01	5.3E-02	1.3E-02	7.5E-02
	03.02	12/13	8.6E-03	1.0E-01	5.0E-02	8.1E-03	6.4E-02
	03.03	10/13	3.0E-03	8.1E-02	4.1E-02	6.7E-03	5.3E-02
	03.04	14/15	3.5E-03	1.1E-01	3.9E-02	6.9E-03	5.1E-02
	04.01	10/15	3.0E-03	8.2E-02	4.0E-02	6.5E-03	5.2E-02
	04.02	5/6	1.6E-02	5.0E-02	2.9E-02	6.5E-03	4.2E-02
	04.03	0/0					
	06	0/0					
	04.04	7/9	1.1E-02	7.8E-02	4.9E-02	6.1E-03	6.1E-02
	05	0/0					
Cadmium (MG/L)	10	0/2	2.1E-04	2.1E-04 *			
	00	0/1	1.0E-03	1.0E-03 *			
	01	1/20	2.1E-04	1.0E-03 *	3.9E-04		
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	0/5	1.0E-03	1.0E-03 *			
	07.02	0/17	1.0E-03	1.0E-03 *			
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	1/1	2.4E-03	2.4E-03	2.4E-03		
	02.02	0/13	2.1E-04	1.0E-03 *			
	02.03	0/6	1.0E-03	1.0E-03 *			

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Calcium (MG/L)	06	0/0					
	04.04	10/10	1.8E+01	2.8E+01	2.4E+01	1.2E+00	2.6E+01
	05	4/4	1.8E+01	3.3E+01	2.2E+01	3.7E+00	3.1E+01
Chloride (MG/L)	10	0/0					
	00	1/1	4.9E+00	4.9E+00	4.9E+00		
	01	20/20	2.5E+00	3.2E+01	4.9E+00	1.5E+00	7.6E+00
	08	2/2	2.6E+00	3.0E+00	2.8E+00	2.0E-01	4.1E+00
	07.01	5/5	1.7E+00	4.1E+00	3.0E+00	4.0E-01	3.9E+00
	07.02	17/17	2.4E+00	5.8E+00	3.0E+00	1.9E-01	3.3E+00
	02.01	3/3	3.3E+00	4.7E+00	3.9E+00	4.3E-01	5.1E+00
	22	0/0					
	02.02	12/12	2.3E+00	5.2E+00	3.3E+00	3.0E-01	3.8E+00
	02.03	6/6	2.5E+00	7.1E+00	4.0E+00	7.9E-01	5.6E+00
	02.04	1/1	3.5E+00	3.5E+00	3.5E+00		
	13	47/47	8.5E-01	2.8E+01	4.4E+00	7.1E-01	5.6E+00
	03.01	13/13	1.6E+00	1.1E+01	5.0E+00	7.1E-01	6.2E+00
	03.02	13/13	2.0E+00	1.7E+01	6.7E+00	1.1E+00	8.7E+00
	03.03	13/13	2.1E+00	5.5E+01	1.1E+01	3.8E+00	1.8E+01
	03.04	15/15	2.2E+00	2.2E+01	5.5E+00	1.3E+00	7.8E+00
	04.01	15/15	2.5E+00	1.0E+01	3.9E+00	4.9E-01	4.8E+00
	04.02	6/6	2.7E+00	3.2E+00	2.9E+00	7.3E-02	3.0E+00
	04.03	0/0					
	06	0/0					
	04.04	9/9	2.3E+00	5.9E+00	3.3E+00	3.7E-01	4.0E+00
Chromium (MG/L)	05	0/0					
	10	0/2	9.8E-03	9.8E-03 *			
	00	1/1	1.5E-03	1.5E-03	1.5E-03		
	01	12/20	1.0E-03	9.8E-03 *	2.0E-03	3.0E-04	2.5E-03
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	1/5	1.0E-03	2.0E-03 *	1.4E-03		
	07.02	6/17	1.0E-03	8.1E-03	2.0E-03	4.1E-04	2.7E-03

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Chromium (MG/L)	02.01	3/3	1.2E-03	3.2E-03	1.9E-03	6.6E-04	3.8E-03
	22	0/1	9.8E-03	9.8E-03 *			
	02.02	5/13	1.0E-03	9.8E-03 *	1.4E-03	1.7E-04	1.7E-03
	02.03	5/6	1.3E-03	2.7E-03	1.7E-03	2.4E-04	2.2E-03
	02.04	1/2	1.7E-03	9.8E-03 *	1.7E-03		
	13	34/47	1.0E-03	9.8E-03 *	1.6E-03	9.3E-05	1.7E-03
	03.01	8/14	1.0E-03	9.8E-03 *	1.7E-03	2.0E-04	2.1E-03
	03.02	9/14	1.0E-03	9.8E-03 *	1.4E-03	1.6E-04	1.6E-03
	03.03	10/14	1.0E-03	9.8E-03 *	1.5E-03	1.3E-04	1.7E-03
	03.04	9/16	1.0E-03	9.8E-03 *	1.7E-03	2.4E-04	2.1E-03
	04.01	8/16	1.0E-03	9.8E-03 *	1.6E-03	2.8E-04	2.1E-03
	04.02	3/6	1.0E-03	2.6E-03	1.4E-03	2.7E-04	1.9E-03
	04.03	0/0					
	06	0/0					
	04.04	6/10	1.0E-03	9.8E-03 *	2.5E-03	4.8E-04	3.4E-03
	05	0/4	9.8E-03	9.8E-03 *			
	10	0/2	4.4E-03	4.4E-03 *			
	00	1/1	1.4E-03	1.4E-03	1.4E-03		
	01	15/20	1.0E-03	1.4E-02	4.6E-03	9.6E-04	6.3E-03
	08	1/2	1.0E-03	4.3E-03	4.3E-03		
Copper (MG/L)	07.01	5/5	2.1E-03	7.8E-03	4.0E-03	1.0E-03	6.1E-03
	07.02	14/17	1.0E-03	9.5E-03	3.5E-03	5.1E-04	4.4E-03
	02.01	3/3	1.3E-03	3.6E-03	2.6E-03	6.9E-04	4.7E-03
	22	0/1	4.4E-03	4.4E-03 *			
	02.02	12/13	1.6E-03	5.9E-03	3.1E-03	3.8E-04	3.8E-03
	02.03	6/6	1.7E-03	6.1E-03	3.3E-03	6.4E-04	4.6E-03
	02.04	0/2	1.0E-03	4.4E-03 *			
	13	46/47	1.0E-03	2.0E-02	3.4E-03	4.6E-04	4.2E-03
	03.01	13/14	1.0E-03	6.2E-03	3.0E-03	4.2E-04	3.8E-03
	03.02	13/14	1.2E-03	5.9E-03	3.2E-03	3.7E-04	3.8E-03
	03.03	11/14	1.0E-03	6.5E-03	3.2E-03	3.6E-04	3.8E-03

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Copper (MG/L)	03.04	14/16	1.2E-03	6.1E-02	7.1E-03	3.7E-03	1.3E-02
	04.01	14/16	1.0E-03	6.6E-02	1.1E-02	5.0E-03	1.9E-02
	04.02	6/6	1.2E-03	3.6E-03	2.4E-03	4.0E-04	3.2E-03
	04.03	0/0					
	06	0/0					
	04.04	9/10	1.8E-03	1.1E-02	3.7E-03	8.8E-04	5.3E-03
	05	0/4	4.4E-03	4.4E-03 *			
	10	0/0					
	00	0/1	2.0E-02	2.0E-02 *			
	01	1/28	1.0E-02	2.4E-02	2.4E-02		
Cyanide (MG/L)	08	0/2	1.0E-02	2.0E-02 *	2.4E-02		
	07.01	0/5	1.0E-02	2.0E-02 *			
	07.02	0/17	1.0E-02	2.0E-02 *			
	02.01	0/2	1.0E-02	2.0E-02 *			
	22	0/0					
	02.02	0/12	1.0E-02	2.0E-02 *			
	02.03	0/5	1.0E-02	2.0E-02 *			
	02.04	0/1	5.0E-03	5.0E-03 *			
	13	0/47	1.0E-02	2.0E-02 *			
	03.01	0/12	1.0E-02	2.0E-02 *			
Di-n-butylphthalate (MG/L)	03.02	0/12	5.0E-03	2.0E-02 *			
	03.03	0/13	1.0E-02	2.0E-02 *			
	03.04	0/15	1.0E-02	2.0E-02 *			
	04.01	0/15	1.0E-02	2.0E-02 *			
	04.02	0/6	1.0E-02	2.0E-02 *			
	04.03	0/0					
	06	0/1	1.0E-02	1.0E-02 *			
	04.04	0/9	1.0E-02	2.0E-02 *			
	05	0/3	1.0E-02	1.0E-02 *			
	10	0/0					
	00	0/1	5.0E-03	5.0E-03 *			

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Di-n-butylphthalate (MG/L)	01	8/20	1.0E-03	9.0E-03	2.6E-03	6.5E-04	3.7E-03
	08	0/2	5.0E-03	5.0E-03 *			
	07.01	0/5	5.0E-03	5.0E-03 *			
	07.02	1/17	1.0E-03	7.0E-03 *	1.0E-03		
	02.01	0/2	5.0E-03	5.0E-03 *			
	22	0/0					
	02.02	0/12	5.0E-03	6.0E-03 *			
	02.03	0/5	5.0E-03	6.0E-03 *			
	02.04	0/1	5.0E-03	5.0E-03 *			
	13	1/46	1.0E-03	5.0E-03 *	1.0E-03		
	03.01	1/12	1.0E-03	5.0E-03 *	1.0E-03		
	03.02	0/10	5.0E-03	5.0E-03 *			
	03.03	0/12	5.0E-03	5.0E-03 *			
	03.04	2/14	3.0E-03	5.0E-03	3.1E-03	1.9E-04	3.5E-03
	04.01	5/14	1.0E-03	5.0E-03 *	1.6E-03	2.4E-04	2.0E-03
	04.02	1/6	1.0E-03	5.0E-03 *	1.0E-03		
	04.03	0/0					
	06	0/0					
	04.04	1/9	1.5E-03	5.0E-03 *	1.5E-03		
	05	0/0					
Diethylphthalate (MG/L)	10	0/0	5.0E-03	5.0E-03 *			
	00	0/1	5.0E-03	5.0E-03 *			
	01	0/20	5.0E-03	6.0E-03 *			
	08	0/2	5.0E-03	5.0E-03 *			
	07.01	0/5	5.0E-03	5.0E-03 *			
	07.02	0/17	5.0E-03	5.0E-03 *			
	02.01	0/2	5.0E-03	5.0E-03 *			
	22	0/0					
	02.02	1/12	1.0E-03	6.0E-03 *	1.0E-03		
	02.03	0/5	5.0E-03	6.0E-03 *			
	02.04	0/1	5.0E-03	5.0E-03 *			

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Diethylphthalate (MG/L)	13	3/46	1.0E-03	5.0E-03 *	1.3E-03	3.3E-04	1.9E-03
	03.01	0/12	5.0E-03	5.0E-03 *			
	03.02	0/10	5.0E-03	5.0E-03 *			
	03.03	1/12	3.0E-03	5.0E-03 *	3.0E-03		
	03.04	0/14	5.0E-03	5.0E-03 *			
	04.01	0/14	5.0E-03	5.0E-03 *			
	04.02	0/6	5.0E-03	5.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/9	5.0E-03	5.0E-03 *			
	05	0/0					
	10	0/0					
	00	0/1	1.5E-01	1.5E-01 *			
	01	10/20	5.0E-02	1.5E-01 *	6.1E-02	3.4E-03	6.7E-02
Fluoride (MG/L)	08	2/2	7.0E-02	7.0E-02	7.0E-02	0.0E+00	7.0E-02
	07.01	3/5	5.0E-02	1.5E-01 *	6.3E-02	2.7E-03	6.8E-02
	07.02	11/17	5.0E-02	1.5E-01 *	7.3E-02	4.2E-03	8.0E-02
	02.01	1/3	1.0E-01	1.5E-01 *	1.0E-01		
	22	0/0					
	02.02	6/12	5.0E-02	2.7E-01	1.0E-01	2.5E-02	1.5E-01
	02.03	2/6	5.0E-02	1.5E-01 *	7.0E-02	0.0E+00	7.0E-02
	02.04	0/1	1.5E-01	1.5E-01 *			
	13	25/47	5.0E-02	1.5E-01	8.9E-02	4.4E-03	9.7E-02
	03.01	6/13	1.0E-01	2.1E-01	1.3E-01	9.8E-03	1.4E-01
	03.02	6/12	1.0E-01	2.3E-01	1.3E-01	1.5E-02	1.6E-01
	03.03	5/13	1.1E-01	1.9E-01	1.3E-01	1.0E-02	1.5E-01
	03.04	7/15	1.0E-01	2.2E-01	1.3E-01	9.4E-03	1.4E-01
	04.01	8/15	5.0E-02	1.5E-01	9.4E-02	1.1E-02	1.1E-01
	04.02	4/6	5.9E-02	1.5E-01 *	7.5E-02	1.2E-02	9.9E-02
	04.03	0/0					
	06	0/0					

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Fluoride (MG/L)	04.04	6/9	6.0E-02	1.5E-01 *	6.8E-02	3.7E-03	7.5E-02
	05	0/0					
Iron (MG/L)	10	0/2	5.6E-03	5.6E-03 *			
	00	1/1	3.9E-01	3.9E-01	3.9E-01		
	01	9/19	9.0E-03	5.1E-01	8.8E-02	3.1E-02	1.4E-01
	08	2/2	1.7E-02	5.1E-02	3.4E-02	1.7E-02	1.4E-01
	07.01	2/5	1.8E-02	2.1E-02	2.0E-02	3.0E-04	2.1E-02
	07.02	4/17	1.2E-02	2.7E+00	1.7E-01	1.7E-01	4.7E-01
	02.01	3/3	3.8E-02	4.5E-01	2.4E-01	1.2E-01	5.8E-01
	22	1/1	2.5E-02	2.5E-02	2.5E-02		
	02.02	6/13	1.8E-02	4.1E-01	5.2E-02	3.1E-02	1.1E-01
	02.03	4/6	1.8E-02	4.7E-01	1.3E-01	7.8E-02	2.9E-01
	02.04	1/2	5.6E-03	1.3E-01	1.3E-01		
	13	41/46	1.2E-02	1.2E+00	1.0E-01	2.7E-02	1.4E-01
	03.01	12/14	7.3E-03	3.8E-01	8.6E-02	2.7E-02	1.3E-01
	03.02	11/14	7.3E-03	2.5E-01	7.6E-02	2.1E-02	1.1E-01
	03.03	8/14	1.0E-02	2.9E-01	8.7E-02	2.5E-02	1.3E-01
	03.04	10/16	6.7E-03	3.2E-01	7.9E-02	2.3E-02	1.2E-01
	04.01	9/16	5.6E-03	4.4E-01	1.2E-01	3.4E-02	1.8E-01
	04.02	4/6	1.3E-02	5.3E-01	1.3E-01	8.6E-02	3.0E-01
	04.03	0/0					
	06	0/0					
Lead (MG/L)	04.04	5/10	9.2E-03	5.7E-01	1.1E-01	5.7E-02	2.2E-01
	05	1/3	1.2E-02	2.9E-02	2.9E-02		
	10	0/2	5.0E-04	7.0E-04 *			
	00	0/1	1.0E-03	1.0E-03 *			
	01	5/20	7.0E-04	2.5E-03	1.2E-03	1.1E-04	1.4E-03
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	0/5	1.0E-03	1.0E-03 *			
	07.02	1/17	1.0E-03	1.7E-03	1.7E-03		
	02.01	1/3	1.0E-03	2.5E-03	2.5E-03		

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Lead (MG/L)	22	0/1	1.0E-03	1.0E-03 *			
	02.02	0/13	1.0E-03	2.0E-03 *			
	02.03	1/6	1.0E-03	1.5E-03	1.5E-03		
	02.04	0/2	1.0E-03	2.5E-03 *			
	13	4/47	6.0E-04	1.4E-03	6.4E-04	2.5E-05	6.8E-04
	03.01	2/14	3.6E-04	1.5E-03	1.4E-03	1.2E-05	1.4E-03
	03.02	1/14	1.0E-03	2.2E-03	2.2E-03		
	03.03	1/14	1.0E-03	1.9E-03 *	1.2E-03		
	03.04	1/16	1.0E-03	1.8E-03 *	1.1E-03		
	04.01	2/16	6.0E-04	1.4E-03	1.3E-03	8.6E-06	1.3E-03
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	2/11	8.0E-04	1.6E-03	8.7E-04	9.8E-05	1.1E-03
	05	0/4	3.6E-04	2.4E-03 *			
	10	2/2	1.0E+01	1.0E+01	1.0E+01	1.5E-01	1.1E+01
	00	1/1	1.0E+01	1.0E+01	1.0E+01		
	01	20/20	6.4E+00	1.0E+01	8.3E+00	2.1E-01	8.7E+00
	08	2/2	8.4E+00	8.5E+00	8.5E+00	5.0E-02	8.8E+00
Magnesium (MG/L)	07.01	5/5	5.8E+00	8.6E+00	7.7E+00	5.1E-01	8.8E+00
	07.02	16/17	9.0E-03	9.1E+00	7.8E+00	2.1E-01	8.2E+00
	02.01	3/3	5.9E+00	9.5E+00	7.7E+00	1.1E+00	1.1E+01
	22	1/1	6.2E+00	6.2E+00	6.2E+00		
	02.02	13/13	5.6E+00	1.0E+01	7.6E+00	3.5E-01	8.2E+00
	02.03	6/6	6.3E+00	9.7E+00	7.6E+00	4.9E-01	8.6E+00
	02.04	2/2	9.7E+00	1.1E+01	1.0E+01	4.1E-01	1.3E+01
	13	47/47	3.5E+00	1.3E+01	8.0E+00	3.1E-01	8.5E+00
	03.01	14/14	3.7E+00	9.6E+00	6.9E+00	4.8E-01	7.8E+00
	03.02	14/14	4.3E+00	1.0E+01	7.6E+00	4.7E-01	8.4E+00
	03.03	14/14	4.3E+00	9.1E+00	6.7E+00	3.8E-01	7.3E+00
	03.04	15/16	9.0E-03	9.2E+00	6.9E+00	4.2E-01	7.6E+00

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Magnesium (MG/L)	04.01	16/16	6.1E+00	1.0E+01	7.8E+00	2.2E-01	8.2E+00
	04.02	6/6	6.3E+00	8.6E+00	7.8E+00	3.1E-01	8.4E+00
	04.03	0/0					
	06	0/0					
	04.04	10/10	5.3E+00	8.5E+00	6.7E+00	3.4E-01	7.4E+00
	05	4/4	4.6E+00	9.6E+00	5.9E+00	1.2E+00	8.8E+00
	10	0/0					
	00	1/1	1.0E-02	1.0E-02	1.0E-02		
	01	14/17	1.0E-03	2.7E-02	1.0E-02	1.8E-03	1.3E-02
	08	1/2	1.0E-03	7.1E-02	7.1E-02		
Manganese (MG/L)	07.01	4/5	1.0E-03	2.1E-02	5.6E-03	3.9E-03	1.4E-02
	07.02	11/17	1.0E-03	5.7E-02	7.4E-03	3.6E-03	1.4E-02
	02.01	3/3	1.6E-03	5.6E-03	4.2E-03	1.3E-03	8.0E-03
	22	0/0					
	02.02	11/12	1.0E-03	2.5E-02	5.5E-03	1.9E-03	8.9E-03
	02.03	6/6	1.1E-03	6.0E-03	3.4E-03	8.1E-04	5.1E-03
	02.04	1/1	1.2E-03	1.2E-03	1.2E-03		
	13	46/46	1.7E-02	1.8E-01	7.0E-02	5.7E-03	8.0E-02
	03.01	13/13	1.6E-02	1.0E-01	5.2E-02	6.7E-03	6.4E-02
	03.02	13/13	9.3E-03	9.6E-02	4.8E-02	6.9E-03	6.1E-02
Mercury (MG/L)	03.03	13/13	5.1E-03	7.5E-02	4.4E-02	5.4E-03	5.4E-02
	03.04	15/15	2.0E-03	8.3E-02	4.3E-02	7.5E-03	5.6E-02
	04.01	14/15	1.0E-03	1.5E-02	5.1E-03	1.0E-03	6.9E-03
	04.02	6/6	1.6E-03	5.8E-03	3.5E-03	6.5E-04	4.8E-03
	04.03	0/0					
	06	0/0					
	04.04	9/9	1.3E-03	1.8E-02	5.8E-03	2.1E-03	9.6E-03
	05	0/0					
	10	0/2	2.0E-04	2.0E-04 *			
	00	0/1	2.0E-04	2.0E-04 *			
	01	1/38	1.2E-06	2.0E-04 *	8.3E-06		

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Mercury (MG/L)	08	0/4	1.9E-06	2.0E-04 *			
	07.01	0/10	1.4E-06	2.0E-04 *			
	07.02	1/34	7.4E-07	2.0E-04 *	3.3E-06		
	02.01	0/6	1.6E-06	2.0E-04 *			
	22	0/1	2.0E-04	2.0E-04 *			
	02.02	0/13	2.0E-04	2.0E-04 *			
	02.03	0/9	1.4E-06	2.0E-04 *			
	02.04	1/3	3.5E-06	2.0E-04 *	3.5E-06	9.4E-06	3.1E-05
	13	3/93	7.5E-08	6.6E-04	1.6E-05	9.9E-07	6.7E-06
	03.01	2/27	2.2E-07	2.0E-04 *	5.0E-06	2.2E-05	7.1E-05
	03.02	6/27	2.8E-06	5.2E-04	3.3E-05	3.2E-05	8.8E-05
	03.03	3/27	4.1E-06	7.3E-04	1.2E-05	8.8E-06	2.7E-05
	03.04	3/31	1.4E-06	2.3E-04			
	04.01	0/31	1.5E-06	2.0E-04 *			
	04.02	1/12	1.8E-06	1.3E-03	1.3E-03		
	04.03	0/0					
	06	0/0					
	04.04	0/20	1.5E-06	2.0E-04 *			
	05	0/4	2.0E-04	2.0E-04 *			
Methyl mercury (MG/L)	10	0/0					
	00	0/0					
	01	1/18	1.8E-08	5.3E-07	5.3E-07		
	08	0/2	1.1E-07	1.6E-07 *			
	07.01	0/5	4.8E-08	2.5E-07 *			
	07.02	0/17	2.9E-08	1.5E-07 *			
	02.01	0/3	5.1E-08	9.6E-08 *			
	22	0/0					
	02.02	0/0					
	02.03	0/3	5.4E-08	1.3E-07 *			
	02.04	1/1	3.7E-08	3.7E-08	3.7E-08		
	13	0/46	3.0E-08	2.7E-07 *			

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Methyl mercury (MG/L)	03.01	0/12	4.7E-08	2.2E-07 *			
	03.02	0/13	4.8E-08	2.1E-07 *			
	03.03	1/13	5.8E-08	2.4E-07 *	7.1E-08		
	03.04	0/15	6.0E-08	1.6E-07 *			
	04.01	0/15	2.8E-08	1.8E-07 *			
	04.02	0/6	4.3E-08	9.6E-08 *			
	04.03	0/0					
	06	0/0					
	04.04	0/9	3.2E-08	1.3E-07 *			
	05	0/0					
	10	0/0					
	00	0/1	1.0E-03	1.0E-03 *			
Molybdenum (MG/L)	01	1/17	1.0E-03	5.0E-03 *	2.2E-03		
	08	0/2	1.0E-03	5.0E-03 *			
	07.01	1/5	1.2E-03	5.0E-03 *	1.2E-03		
	07.02	0/17	1.0E-03	5.0E-03 *			
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	0/0					
	02.02	0/12	1.0E-03	5.0E-03 *			
	02.03	0/6	1.0E-03	5.0E-03 *			
	02.04	0/1	1.0E-03	1.0E-03 *			
	13	0/46	1.0E-03	5.0E-03 *			
	03.01	1/13	1.0E-03	5.0E-03 *	1.2E-03		
	03.02	2/13	1.0E-03	5.0E-03 *	1.1E-03		
	03.03	0/13	1.0E-03	5.0E-03 *			
	03.04	0/15	1.0E-03	5.0E-03 *			
	04.01	0/15	1.0E-03	5.0E-03 *			
	04.02	0/6	1.0E-03	5.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/9	1.0E-03	5.0E-03 *			
						4.9E-05	1.2E-03

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Molybdenum (MG/L)							
Nickel (MG/L)	05	0/0		1.9E-02 *			
	10	0/2	1.9E-02	4.9E-03	4.9E-03		
	00	1/1	4.9E-03	1.9E-02 *	2.9E-03	5.0E-04	3.8E-03
	01	16/20	1.0E-03	5.2E-03	5.2E-03		
	08	1/2	1.0E-03	1.0E-02	3.7E-03	1.7E-03	7.3E-03
	07.01	4/5	1.0E-03	1.3E-02	3.1E-03	8.3E-04	4.5E-03
	07.02	15/17	1.0E-03	8.5E-03	4.9E-03	1.9E-03	1.0E-02
	02.01	3/3	2.4E-03	1.9E-02 *			
	22	0/1	1.9E-02	1.9E-02 *	2.4E-03	4.2E-04	3.2E-03
	02.02	10/13	1.0E-03	8.3E-03	3.5E-03	1.0E-03	5.6E-03
	02.03	6/6	1.1E-03	1.9E-02 *	1.9E-03		
	02.04	1/2	1.9E-03	1.9E-02 *	4.6E-03	4.8E-04	5.4E-03
	13	46/47	1.5E-03	1.9E-02 *	4.2E-03	5.5E-04	5.2E-03
	03.01	13/14	1.9E-03	1.9E-02 *	4.1E-03	4.5E-04	4.9E-03
	03.02	13/14	2.2E-03	1.9E-02 *	4.4E-03	8.4E-04	5.9E-03
	03.03	13/14	1.4E-03	1.9E-02 *	3.6E-03	5.6E-04	4.6E-03
	03.04	15/16	1.4E-03	1.9E-02 *	3.0E-03	4.0E-04	3.7E-03
	04.01	14/16	1.0E-03	4.5E-03	2.8E-03	5.8E-04	3.9E-03
	04.02	4/6	1.0E-03				
	04.03	0/0					
	06	0/0					
	04.04	7/10	1.0E-03	1.9E-02 *	3.3E-03	1.3E-03	5.8E-03
	05	0/4	1.9E-02	1.9E-02 *			
Nitrate/nitrite (MG/L)							
	10	0/0					
	00	1/1	3.8E-01	3.8E-01	3.8E-01		
	01	20/20	2.5E-01	7.4E-01	5.4E-01	3.1E-02	5.9E-01
	08	1/2	1.0E-01	1.5E-01	1.5E-01		
	07.01	4/5	1.0E-01	5.4E-01	2.9E-01	8.3E-02	4.7E-01
	07.02	17/17	1.5E-01	7.5E-01	4.6E-01	4.3E-02	5.4E-01
	02.01	3/3	3.9E-01	7.3E-01	5.1E-01	1.1E-01	8.3E-01
	22	0/0					

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Nitrate/nitrite (MG/L)	02.02	12/12	2.8E-01	5.8E-01	4.6E-01	2.8E-02	5.1E-01
	02.03	6/6	3.9E-01	7.1E-01	5.1E-01	4.6E-02	6.1E-01
	02.04	1/1	4.0E-01	4.0E-01	4.0E-01		
	13	48/48	2.7E-02	2.7E+00	3.7E-01	5.2E-02	4.6E-01
	03.01	12/13	1.7E-02	1.6E+00	6.8E-01	1.2E-01	8.9E-01
	03.02	13/13	4.9E-02	1.7E+00	8.8E-01	1.4E-01	1.1E+00
	03.03	13/13	2.0E-01	1.1E+00	6.7E-01	8.1E-02	8.1E-01
	03.04	15/15	3.3E-01	1.1E+00	6.5E-01	5.7E-02	7.5E-01
	04.01	15/15	4.2E-01	8.2E-01	6.0E-01	3.2E-02	6.5E-01
	04.02	6/6	4.0E-01	6.9E-01	5.1E-01	4.4E-02	6.0E-01
	04.03	0/0					
	06	0/0					
	04.04	9/9	2.2E-01	5.2E-01	3.9E-01	3.5E-02	4.6E-01
	05	0/0					
Potassium (MG/L)	10	2/2	1.7E+00	1.8E+00	1.8E+00	6.5E-02	2.2E+00
	00	1/1	1.7E+00	1.7E+00	1.7E+00		
	01	20/20	1.2E+00	1.7E+00	1.4E+00	3.8E-02	1.5E+00
	08	2/2	1.4E+00	1.5E+00	1.4E+00	2.5E-02	1.6E+00
	07.01	5/5	1.2E+00	1.6E+00	1.4E+00	6.1E-02	1.6E+00
	07.02	16/17	1.3E-02	1.6E+00	1.4E+00	2.6E-02	1.4E+00
	02.01	3/3	1.2E+00	1.5E+00	1.3E+00	8.8E-02	1.6E+00
	22	1/1	1.3E+00	1.3E+00	1.3E+00		
	02.02	13/13	1.3E+00	1.6E+00	1.4E+00	2.1E-02	1.4E+00
	02.03	6/6	1.2E+00	1.5E+00	1.4E+00	4.2E-02	1.4E+00
	02.04	2/2	1.5E+00	1.8E+00	1.6E+00	1.4E-01	2.5E+00
	13	47/47	9.7E-01	3.3E+00	1.8E+00	8.3E-02	1.9E+00
	03.01	14/14	9.9E-01	3.2E+00	1.8E+00	1.9E-01	2.1E+00
	03.02	14/14	9.7E-01	2.6E+00	1.7E+00	1.4E-01	2.0E+00
	03.03	14/14	1.2E+00	2.9E+00	1.7E+00	1.5E-01	2.0E+00
	03.04	15/16	1.3E-02	2.7E+00	1.6E+00	1.2E-01	1.8E+00
	04.01	16/16	1.2E+00	2.2E+00	1.6E+00	7.3E-02	1.7E+00

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Potassium (MG/L)	04.02	6/6	1.3E+00	1.4E+00	1.4E+00	2.0E-02	1.4E+00
	04.03	0/0					
	06	0/0					
Selenium (MG/L)	04.04	10/10	1.2E+00	1.8E+00	1.4E+00	5.2E-02	1.5E+00
	05	4/4	1.3E+00	1.7E+00	1.5E+00	7.0E-02	1.6E+00
	10	0/2	9.7E-04	9.7E-04 *			
	00	0/1	3.0E-03	3.0E-03 *			
	01	2/20	9.7E-04	5.0E-03 *	1.4E-03	1.6E-04	1.6E-03
	08	1/2	1.0E-03	4.2E-03	4.2E-03		
	07.01	0/5	1.0E-03	3.0E-03 *			
	07.02	2/17	1.0E-03	7.5E-03	3.5E-03	3.5E-04	4.1E-03
	02.01	1/3	3.0E-03	3.2E-03	3.2E-03		
	22	0/1	9.7E-04	9.7E-04 *			
	02.02	0/13	9.7E-04	3.0E-03 *			
	02.03	1/6	1.0E-03	5.0E-03	5.0E-03		
	02.04	0/2	9.7E-04	3.0E-03 *			
	13	5/47	9.7E-04	4.8E-03	1.3E-03	1.3E-04	1.6E-03
	03.01	2/14	9.7E-04	4.7E-03	4.6E-03	9.7E-06	4.6E-03
Silver (MG/L)	03.02	2/14	9.7E-04	4.7E-03	3.7E-03	1.0E-04	3.9E-03
	03.03	0/14	9.7E-04	3.0E-03 *			
	03.04	1/16	9.7E-04	5.0E-03 *	3.3E-03		
	04.01	4/16	9.7E-04	5.0E-03 *	1.3E-03	2.6E-04	1.8E-03
	04.02	1/6	1.0E-03	3.3E-03	3.3E-03		
	04.03	0/0					
	06	0/0					
	04.04	1/11	9.7E-04	5.0E-03 *	1.6E-03		
	05	0/4	9.7E-04	9.7E-04 *			
	10	0/2	7.4E-04	7.4E-04 *			
	00	0/1	1.0E-03	1.0E-03 *			
	01	0/20	7.4E-04	1.0E-03 *			
	08	0/2	1.0E-03	1.0E-03 *			

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Silver (MG/L)	07.01	1/5	1.0E-03	1.6E-03	1.6E-03		
	07.02	0/17	1.0E-03	1.0E-03 *			
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	0/1	7.4E-04	7.4E-04 *			
	02.02	0/13	7.4E-04	1.0E-03 *			
	02.03	0/6	1.0E-03	1.0E-03 *			
	02.04	0/2	7.4E-04	1.0E-03 *			
	13	1/47	7.4E-04	1.5E-03	1.5E-03		
	03.01	0/14	7.4E-04	1.0E-03 *			
	03.02	1/14	1.0E-03	1.3E-02	1.3E-02		
	03.03	0/14	7.4E-04	1.0E-03 *			
	03.04	0/16	7.4E-04	1.0E-03 *			
	04.01	0/16	7.4E-04	1.0E-03 *			
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/11	7.4E-04	1.0E-03 *			
	05	0/4	7.4E-04	7.4E-04 *			
	10	2/2	4.9E+00	5.1E+00	5.0E+00	6.0E-02	5.4E+00
	00	1/1	5.4E+00	5.4E+00	5.4E+00		
Sodium (MG/L)	01	20/20	2.7E+00	5.9E+00	3.8E+00	2.4E-01	4.2E+00
	08	2/2	3.2E+00	3.4E+00	3.3E+00	9.5E-02	3.9E+00
	07.01	5/5	1.4E+00	3.5E+00	2.8E+00	3.6E-01	3.6E+00
	07.02	17/17	2.4E-02	3.9E+00	3.1E+00	2.1E-01	3.5E+00
	02.01	3/3	3.1E+00	5.1E+00	3.9E+00	6.3E-01	5.7E+00
	22	1/1	5.9E+00	5.9E+00	5.9E+00		
	02.02	13/13	2.7E+00	4.8E+00	3.5E+00	1.8E-01	3.9E+00
	02.03	6/6	2.6E+00	5.4E+00	3.4E+00	4.0E-01	4.2E+00
	02.04	2/2	4.5E+00	5.2E+00	4.9E+00	3.5E-01	7.1E+00
	13	47/47	1.5E+00	4.8E+00	3.2E+00	1.2E-01	3.4E+00
	03.01	14/14	1.8E+00	6.7E+00	4.0E+00	4.4E-01	4.8E+00

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Sodium (MG/L)	03.02	14/14	2.0E+00	8.7E+00	4.7E+00	5.6E-01	5.7E+00
	03.03	14/14	1.5E+00	6.9E+00	4.2E+00	4.1E-01	4.9E+00
	03.04	15/16	2.0E-02	7.5E+00	3.8E+00	3.8E-01	4.4E+00
	04.01	16/16	2.6E+00	7.2E+00	3.7E+00	2.8E-01	4.2E+00
	04.02	6/6	3.2E+00	3.8E+00	3.4E+00	1.1E-01	3.6E+00
	04.03	0/0					
	06	0/0					
	04.04	10/10	2.6E+00	7.1E+00	3.6E+00	4.0E-01	4.4E+00
	05	4/4	4.3E+00	5.1E+00	4.7E+00	1.7E-01	5.1E+00
	10	0/0					
Sulfate (MG/L)	00	1/1	2.3E+01	2.3E+01	2.3E+01		
	01	20/20	1.6E+01	2.3E+01	1.8E+01	4.1E-01	1.8E+01
	08	2/2	1.6E+01	1.7E+01	1.7E+01	5.0E-01	2.0E+01
	07.01	5/5	1.3E+01	1.8E+01	1.6E+01	8.4E-01	1.8E+01
	07.02	17/17	1.5E+01	2.1E+01	1.7E+01	3.3E-01	1.7E+01
	02.01	3/3	1.7E+01	2.3E+01	1.9E+01	1.9E+00	2.5E+01
	22	0/0					
	02.02	12/12	1.4E+01	2.5E+01	1.8E+01	1.0E+00	2.0E+01
	02.03	6/6	1.4E+01	2.3E+01	1.7E+01	1.2E+00	2.0E+01
	02.04	1/1	2.0E+01	2.0E+01	2.0E+01		
	13	47/47	1.8E+01	4.6E+01	2.7E+01	7.7E-01	2.8E+01
	03.01	13/13	1.8E+01	4.5E+01	2.6E+01	2.1E+00	3.0E+01
	03.02	13/13	1.7E+01	3.9E+01	2.7E+01	1.4E+00	3.0E+01
	03.03	13/13	1.7E+01	2.9E+01	2.5E+01	1.1E+00	2.7E+01
	03.04	15/15	1.6E+01	2.8E+01	2.4E+01	1.0E+00	2.6E+01
	04.01	15/15	1.4E+01	2.2E+01	1.8E+01	6.3E-01	1.9E+01
	04.02	6/6	1.6E+01	1.8E+01	1.7E+01	3.7E-01	1.8E+01
	04.03	0/0					
	06	0/0					
	04.04	9/9	1.3E+01	1.7E+01	1.5E+01	4.5E-01	1.6E+01
	05	0/0					

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Uranium (MG/L)							
	10	0/0					
	00	0/1	1.0E-03	1.0E-03 *			
	01	0/17	1.0E-03	1.0E-03 *			
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	0/5	1.0E-03	1.0E-03 *			
	07.02	0/17	1.0E-03	1.0E-03 *			
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	0/0					
	02.02	1/12	1.0E-03	3.1E-03			
	02.03	0/6	1.0E-03	1.0E-03 *			
	02.04	0/1	1.0E-03	1.0E-03 *			
	13	0/46	1.0E-03	1.0E-03 *			
	03.01	8/13	1.0E-03	2.5E-03	1.6E-03	1.2E-04	1.8E-03
	03.02	12/13	1.0E-03	3.5E-03	2.2E-03	1.9E-04	2.5E-03
	03.03	10/13	1.0E-03	3.2E-03	2.0E-03	1.5E-04	2.3E-03
	03.04	11/15	1.0E-03	3.0E-03	1.8E-03	1.6E-04	2.1E-03
	04.01	3/15	1.0E-03	1.7E-03	1.2E-03	5.5E-05	1.3E-03
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/9	1.0E-03	1.0E-03 *			
	05	0/0					
Vanadium (MG/L)							
	10	0/0					
	00	0/1	1.0E-03	1.0E-03 *			
	01	0/17	1.0E-03	1.0E-03 *			
	08	0/2	1.0E-03	1.0E-03 *			
	07.01	3/5	1.0E-03	1.3E-03	1.2E-03	2.7E-05	1.3E-03
	07.02	1/17	1.0E-03	1.2E-03	1.2E-03		
	02.01	0/3	1.0E-03	1.0E-03 *			
	22	0/0					
	02.02	0/12	1.0E-03	1.0E-03 *			

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Vanadium (MG/L)	02.03	0/6	1.0E-03	1.0E-03 *			
	02.04	0/1	1.0E-03	1.0E-03 *			
	13	0/46	1.0E-03	1.0E-03 *			
	03.01	0/13	1.0E-03	1.0E-03 *			
	03.02	0/13	1.0E-03	1.0E-03 *			
	03.03	0/13	1.0E-03	1.0E-03 *			
	03.04	0/15	1.0E-03	1.0E-03 *			
	04.01	0/15	1.0E-03	1.0E-03 *			
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	0/0					
	06	0/0					
	04.04	0/9	1.0E-03	1.0E-03 *			
	05	0/0					
	10	1/2	7.9E-03	2.1E-02	2.1E-02		
	00	1/1	3.0E-03	3.0E-03	3.0E-03		
	01	16/20	2.1E-03	2.7E-02	7.4E-03	1.4E-03	9.8E-03
	08	1/2	2.0E-03	6.0E-03	6.0E-03		
Zinc (MG/L)	07.01	4/5	2.3E-03	8.5E-03	4.6E-03	1.2E-03	7.1E-03
	07.02	12/17	2.0E-03	1.1E-02	4.2E-03	5.7E-04	5.2E-03
	02.01	3/3	3.9E-03	1.3E-02	7.2E-03	2.7E-03	1.5E-02
	22	1/1	2.0E-02	2.0E-02	2.0E-02		
	02.02	7/13	2.0E-03	5.2E-03	3.7E-03	2.5E-04	4.1E-03
	02.03	5/6	3.3E-03	5.6E-03 *	4.5E-03	3.7E-04	5.2E-03
	02.04	1/2	9.4E-03	1.2E-02 *	9.4E-03		
	13	46/47	2.2E-03	1.9E-02	6.0E-03	5.5E-04	6.9E-03
	03.01	13/14	3.9E-03	1.2E-02	7.2E-03	7.6E-04	8.6E-03
	03.02	13/14	3.0E-03	1.6E-02	7.4E-03	9.9E-04	9.2E-03
	03.03	12/14	2.3E-03	1.9E-02	6.0E-03	1.2E-03	8.1E-03
	03.04	14/16	3.4E-03	1.3E-01	1.4E-02	7.7E-03	2.7E-02
	04.01	14/16	2.8E-03	1.3E-01	1.9E-02	9.9E-03	3.7E-02
	04.02	6/6	2.9E-03	9.4E-03	5.1E-03	9.8E-04	7.1E-03

Table B4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Zinc (MG/L)	04.03	0/0					
	06	0/0					
alpha-BHC (MG/L)	04.04	9/10	2.7E-03	2.4E-02	6.9E-03	2.1E-03	1.1E-02
	05	0/4	3.4E-03	1.6E-02 *			
	10	0/0					
	00	0/1	1.0E-05	1.0E-05 *			
	01	0/20	9.8E-06	1.0E-05 *			
	08	0/2	1.0E-05	1.0E-05 *			
	07.01	0/5	1.0E-05	1.0E-05 *			
	07.02	1/17	1.0E-05	1.8E-05	1.8E-05		
	02.01	0/2	1.0E-05	1.1E-05 *			
	22	0/0					
	02.02	0/12	1.0E-05	1.0E-05 *			
	02.03	0/5	1.0E-05	1.1E-05 *			
	02.04	0/1	6.0E-06	6.0E-06 *			
	13	0/47	6.0E-06	1.1E-05 *			
	03.01	0/12	6.3E-06	1.0E-05 *			
	03.02	0/11	1.0E-05	1.1E-05 *			
	03.03	0/12	9.5E-06	1.0E-05 *			
	03.04	0/14	1.0E-05	1.1E-05 *			
	04.01	0/14	1.0E-05	1.0E-05 *			
	04.02	0/6	1.0E-05	1.0E-05 *			
	04.03	0/0					
	06	0/0					
	04.04	0/9	1.0E-05	1.0E-05 *			
	05	0/0					

* Maximum value is a non-detect

Table B5. Comparison of metals concentrations in surface water to applicable Ambient Water Quality Criteria

Analyte	Domestic water supply	Recreation ^c	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Antimony (mg/L)										
	6.0E-03	1.4E-02	4.3E+00		10	0/2	1.9E-03			
					00	0/11	5.0E-02			
					01	1/51	5.0E-02	0.0E+00	1.1E-03	
					08	0/2	1.0E-03			
					07.01	0/5	1.0E-03			
					07.02	1/17	1.0E-03	0.0E+00	1.2E-03	
					02.01	1/3	1.0E-03	0.0E+00	1.3E-03	
					22	0/11	5.0E-02			
					02.02	0/22	5.0E-02			
					02.03	0/6	1.0E-03			
					02.04	0/11	5.0E-02			
					13	2/58	5.0E-02	1.1E-03	1.1E-03	1.2E-03
					20.02	0/10	5.0E-02			
					20.01	0/9	5.0E-02			
					03.01	2/34	1.9E-03	1.4E-03	1.4E-03	1.4E-03
					21	0/18	5.0E-02			
					03.02	1/14	1.9E-03	0.0E+00	1.2E-03	
					03.03	0/23	5.0E-02			
					03.04	3/16	1.9E-03	1.7E-03	1.7E-03	1.7E-03
					04.01	2/25	5.0E-02	1.7E-03	1.7E-03	1.8E-03
					04.02	2/6	1.0E-03	1.6E-03	1.6E-03	1.7E-03
					06	0/0				
					04.04	0/11	1.9E-03			
					18	0/9	5.0E-02			
					05	0/4	1.9E-03			

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Arsenic (mg/L)	5.0E-02	1.8E-04	1.4E-03	1.9E-01	00	1/11	5.0E-02	0.0E+00	5.0E-02	
					01	4/51	5.0E-02	1.1E-03	1.1E-03	1.2E-03
					08	0/2	3.0E-03			
					10	0/2	1.3E-03			
					07.01	5/5		2.9E-03	4.1E-03	5.2E-03
					07.02	3/17	3.0E-03	9.3E-04	1.1E-03	1.3E-03
					02.01	0/3	3.0E-03			
					22	0/11	5.0E-02			
					02.02	1/22	5.0E-02	0.0E+00	1.1E-03	
					02.03	0/6	3.0E-03			
					02.04	1/11	5.0E-02	0.0E+00	1.1E-03	
					13	10/58	5.0E-02	5.7E-04	2.1E-03	3.7E-03
					20.02	0/10	5.0E-02			
					20.01	1/9	5.0E-02	0.0E+00	5.5E-02	
					03.01	0/34	3.0E-03			
					21	0/18	5.0E-02			
					03.02	1/14	3.0E-03	0.0E+00	1.4E-03	
					03.03	3/23	5.0E-02	1.1E-03	1.3E-03	1.5E-03
					03.04	4/16	3.0E-03	9.7E-04	1.1E-03	1.2E-03
					04.01	3/25	5.0E-02	9.9E-04	1.0E-03	1.1E-03
					04.02	1/6	3.0E-03	0.0E+00	1.3E-03	
					06	0/0				
					04.04	4/11	3.0E-03	9.0E-04	1.3E-03	1.7E-03
					18	0/9	5.0E-02			
					05	0/4	1.3E-03			

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Barium (mg/L)	2.0E+00				10	0/0				
					00	11/11		2.2E-02	4.8E-02	7.4E-02
					01	48/48		2.9E-02	3.2E-02	3.5E-02
					08	2/2		2.3E-02	2.6E-02	2.9E-02
					07.01	5/5		3.0E-02	3.4E-02	3.7E-02
					07.02	17/17		2.7E-02	2.8E-02	2.9E-02
					02.01	3/3		2.2E-02	2.9E-02	3.6E-02
					22	10/10		3.0E-02	5.4E-02	7.9E-02
					02.02	21/21		2.8E-02	3.0E-02	3.2E-02
					02.03	6/6		2.7E-02	2.9E-02	3.0E-02
					02.04	9/10	1.0E-03	2.7E-02	3.0E-02	3.3E-02
					13	57/57		4.1E-02	4.3E-02	4.5E-02
					20.02	10/10		5.8E-02	7.4E-02	9.0E-02
					20.01	8/9	1.0E-03	2.9E-02	3.2E-02	3.4E-02
					03.01	33/33		3.3E-02	3.5E-02	3.6E-02
					21	16/18	1.0E-03	3.4E-02	4.8E-02	6.1E-02
					03.02	13/13		3.5E-02	3.8E-02	4.0E-02
					03.03	21/22	1.0E-03	3.4E-02	3.5E-02	3.7E-02
					03.04	15/15		3.2E-02	3.5E-02	3.7E-02
					04.01	23/24	1.0E-03	2.8E-02	2.9E-02	3.1E-02
					04.02	6/6		2.6E-02	2.8E-02	2.9E-02
					06	0/0				
					04.04	9/9		2.6E-02	2.8E-02	2.9E-02
					18	9/9		2.1E-02	2.6E-02	3.1E-02
					05	0/0				

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^c	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Beryllium (mg/L)	4.0E-03				10	0/2	3.9E-03			
					00	1/11	1.0E-03	0.0E+00	1.2E-03	
					01	1/51	3.9E-03	0.0E+00	1.4E-03	
					08	0/2	2.0E-03			
					07.01	0/5	2.0E-03			
					07.02	0/17	2.0E-03			
					02.01	0/3	2.0E-03			
					22	0/11	3.9E-03			
					02.02	0/22	3.9E-03			
					02.03	0/6	2.0E-03			
					02.04	0/11	3.9E-03			
					13	0/58	3.9E-03			
					20.02	1/10	1.0E-03			
					20.01	0/9	1.0E-03			
					03.01	0/34	3.9E-03			
					21	0/18	1.0E-03			
					03.02	0/14	3.9E-03			
					03.03	0/23	3.9E-03			
					03.04	0/16	3.9E-03			
					04.01	0/25	3.9E-03			
					04.02	0/6	2.0E-03			
					06	0/0				
					04.04	0/10	3.9E-03			
					18	0/9	1.0E-03			
					05	0/4	3.9E-03			
								0.0E+00	1.0E-03	

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Chromium (mg/L)	1.0E-01	1.0E-01	1.0E-01	1.0E-01	10	0/2	9.8E-03			
					00	4/11	4.0E-03	1.6E-03	3.9E-03	6.2E-03
					01	20/51	9.8E-03	2.0E-03	2.6E-03	3.1E-03
					08	1/2	1.0E-03	0.0E+00	1.0E-03	
					07.01	2/5	2.0E-03	6.4E-04	1.2E-03	1.8E-03
					07.02	8/17	2.0E-03	1.4E-03	1.6E-03	1.8E-03
					02.01	3/3		6.7E-04	2.3E-03	3.9E-03
					22	11/11		1.1E-02	1.4E-02	1.7E-02
					02.02	7/22	9.8E-03	3.7E-04	2.9E-03	5.4E-03
					02.03	4/6	2.0E-03	1.2E-03	1.9E-03	2.6E-03
					02.04	1/11	9.8E-03	0.0E+00	1.6E-03	
					13	43/58	9.8E-03	1.9E-03	2.2E-03	2.5E-03
					20.02	3/10	4.0E-03	9.5E-03	1.1E-02	1.2E-02
					20.01	0/9	4.0E-03			
					03.01	32/34	9.8E-03	1.8E-03	1.9E-03	2.1E-03
					21	9/18	4.0E-03	4.9E-03	6.5E-03	8.2E-03
					03.02	11/14	9.8E-03	1.3E-03	1.6E-03	1.9E-03
					03.03	13/23	9.8E-03	1.9E-03	2.2E-03	2.6E-03
					03.04	12/16	9.8E-03	1.7E-03	2.0E-03	2.3E-03
					04.01	10/25	9.8E-03	1.5E-03	1.7E-03	1.8E-03
					04.02	4/6	1.0E-03	1.1E-03	1.5E-03	1.9E-03
					06	0/0				
					04.04	6/10	9.8E-03	1.0E-03	2.4E-03	3.8E-03
					18	2/9	4.0E-03	5.2E-03	5.4E-03	5.5E-03
					05	0/4	9.8E-03			

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Cyanide (mg/L)	2.0E-01	7.0E-01	2.2E+02	5.2E-03	10	0/0				
					00	0/10	2.0E-02			
					01	0/53	2.0E-02			
					08	0/2	2.0E-02			
					07.01	0/5	2.0E-02			
					07.02	0/17	2.0E-02			
					02.01	0/2	2.0E-02			
					22	0/9	2.0E-03			
					02.02	0/20	2.0E-02			
					02.03	0/5	2.0E-02			
					02.04	0/9	5.0E-03			
					13	0/55	2.0E-02			
					20.02	0/9	2.0E-03			
					20.01	0/8	2.0E-03			
					03.01	0/12	2.0E-02			
					21	0/16	2.0E-03			
					03.02	0/12	2.0E-02			
					03.03	0/21	2.0E-02			
					03.04	0/15	2.0E-02			
					04.01	0/23	2.0E-02			
					04.02	0/6	2.0E-02			
					06	0/1	1.0E-02			
					04.04	0/9	2.0E-02			
					18	0/8	2.0E-03			
					05	0/3	1.0E-02			

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^d	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95 % LCB	PLE mean	95 % UCB
Lead (mg/L)	5.0E-03				10	0/2	1.0E-03			
					00	1/11	5.0E-02	0.0E+00	1.0E-03	
					01	10/51	5.0E-02	1.4E-03	1.5E-03	1.7E-03
					08	1/2	1.0E-03	0.0E+00	2.3E-03	
					07.01	3/5	1.0E-03	1.1E-03	1.3E-03	1.5E-03
					07.02	7/17	1.0E-03	1.3E-03	1.4E-03	1.5E-03
					02.01	2/3	1.0E-03	0.0E+00	1.6E-03	3.5E-03
					22	0/11	5.0E-02			
					02.02	7/22	5.0E-02	1.1E-03	1.2E-03	1.4E-03
					02.03	3/6	1.0E-03	1.6E-03	1.8E-03	2.0E-03
					02.04	0/11	5.0E-02			
					13	22/58	5.0E-02	1.3E-03	1.4E-03	1.6E-03
					20.02	0/10	5.0E-02			
					20.01	0/9	5.0E-02			
					03.01	19/34	1.0E-03	1.4E-03	1.6E-03	1.8E-03
					21	0/18	5.0E-02			
					03.02	5/14	1.0E-03	1.0E-03	1.2E-03	1.3E-03
					03.03	9/23	5.0E-02	1.3E-03	1.6E-03	1.9E-03
					03.04	8/16	1.6E-03	1.2E-03	1.5E-03	1.9E-03
					04.01	7/25	5.0E-02	1.2E-03	1.5E-03	1.8E-03
					04.02	1/6	1.0E-03	0.0E+00	2.8E-03	
					06	0/0				
					04.04	4/11	1.5E-03	9.9E-04	1.2E-03	1.4E-03
					18	0/9	5.0E-02			
					05	0/4	1.1E-02			

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Mercury (mg/L)	2.0E-03	1.4E-04	1.5E-04	1.2E-05	10	0/2	2.0E-04			
					00	2/12	2.0E-04	5.2E-05	5.7E-05	6.2E-05
					01	8/71	2.0E-04	4.7E-06	9.9E-06	1.5E-05
					08	1/4	2.0E-04	0.0E+00	6.8E-06	
					07.01	2/10	2.0E-04	1.8E-06	3.6E-06	5.5E-06
					07.02	4/34	2.0E-04	2.0E-06	2.8E-06	3.7E-06
					02.01	0/6	2.0E-04			
					22	2/11	2.0E-04	8.0E-05	1.1E-04	1.3E-04
					02.02	1/22	2.0E-04	0.0E+00	6.9E-05	
					02.03	0/9	2.0E-04			
					02.04	2/12	2.0E-04	0.0E+00	9.0E-06	2.1E-05
					13	18/106	2.0E-04	5.0E-06	1.1E-05	1.7E-05
					20.02	3/10	5.0E-05	6.6E-05	7.4E-05	8.2E-05
					20.01	5/9	5.0E-05	6.4E-05	7.7E-05	8.9E-05
					03.01	38/67	2.0E-04	7.1E-05	1.0E-04	1.3E-04
					21	3/18	5.0E-05	6.4E-05	6.7E-05	7.0E-05
					03.02	13/27	2.0E-04	6.2E-05	8.9E-05	1.2E-04
					03.03	18/36	2.0E-04	7.6E-05	1.0E-04	1.3E-04
					03.04	20/31	2.0E-04	1.1E-04	1.9E-04	2.6E-04
					04.01	8/40	2.0E-04	1.8E-05	3.6E-05	5.3E-05
					04.02	4/12	2.0E-04	1.5E-05	3.0E-05	4.4E-05
					06	0/0				
					04.04	6/20	2.0E-04	1.9E-05	2.4E-05	2.9E-05
					18	1/9	5.0E-05	0.0E+00	7.1E-05	
					05	0/4	2.0E-04			

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Nickel (mg/L)	1.0E-01	6.1E-01	4.6E+00		10	0/2	1.9E-02			
					00	1/11	1.0E-02	0.0E+00	5.5E-03	
					01	18/51	1.9E-02	2.5E-03	3.0E-03	3.6E-03
					08	1/2	1.0E-03	0.0E+00	2.9E-03	
					07.01	3/5	1.0E-03	1.9E-03	3.3E-03	4.6E-03
					07.02	11/17	1.0E-03	1.9E-03	3.1E-03	4.2E-03
					02.01	2/3	1.0E-03	0.0E+00	6.0E-03	1.4E-02
					22	0/11	1.9E-02			
					02.02	11/22	1.9E-02	2.3E-03	3.4E-03	4.5E-03
					02.03	5/6	1.0E-03	2.0E-03	3.6E-03	5.1E-03
					02.04	1/11	1.9E-02	0.0E+00	2.0E-03	
					13	49/58	1.9E-02	3.6E-03	4.0E-03	4.5E-03
					20.02	0/10	1.0E-02			
					20.01	0/9	1.0E-02			
					03.01	33/34	1.9E-02	4.1E-03	4.4E-03	4.7E-03
					21	5/18	1.0E-02	1.1E-02	1.7E-02	2.2E-02
					03.02	13/14	1.9E-02	2.9E-03	3.5E-03	4.2E-03
					03.03	13/23	1.9E-02	2.9E-03	3.6E-03	4.2E-03
					03.04	15/16	1.9E-02	2.9E-03	3.6E-03	4.3E-03
					04.01	13/25	1.9E-02	1.8E-03	2.3E-03	2.7E-03
					04.02	4/6	1.0E-03	8.1E-04	1.9E-03	2.9E-03
					06	0/0				
					04.04	7/10	1.9E-02	1.9E-03	2.8E-03	3.7E-03
					18	0/9	1.0E-02			
					05	0/4	1.9E-02			

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Selenium (mg/L)	5.0E-02			5.0E-03	10	0/2	9.7E-04			
					00	0/11	5.0E-02			
					01	0/51	5.0E-02			
					08	0/2	3.0E-03			
					07.01	0/5	3.0E-03			
					07.02	1/17	3.0E-03			
					02.01	0/3	3.0E-03	0.0E+00	1.1E-03	
					22	0/11	5.0E-02			
					02.02	0/22	5.0E-02			
					02.03	0/6	3.0E-03			
					02.04	0/11	5.0E-02			
					13	1/58	5.0E-02	0.0E+00	1.2E-03	
					20.02	0/10	5.0E-02			
					20.01	0/9	5.0E-02			
					03.01	0/34	3.0E-03			
					21	0/18	5.0E-02			
					03.02	0/14	3.0E-03			
					03.03	0/23	5.0E-02			
					03.04	0/16	5.0E-03			
					04.01	0/25	5.0E-02			
					04.02	0/6	3.0E-03			
					06	0/0				
					04.04	0/11	5.0E-03			
					18	0/9	5.0E-02			
					05	0/4	9.7E-04			

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life = Criterion Continuous Concentration

Table B5. (continued)

Analyte	Domestic water supply	Recreation ^c	Recreation ^b	Protection of aquatic life ^c	Sub reach	Frequency of detects	Maximum detection limit	95% LCB	PLE mean	95% UCB
Thallium (mg/L)	2.0E-03	1.7E-03	6.3E-03		10	0/2	2.7E-03			
					00	0/10	5.0E-03			
					01	1/48	5.0E-03	0.0E+00	1.1E+00	
					08	0/2	1.0E-03			
					07.01	0/5	1.0E-03			
					07.02	0/17	1.0E-03			
					02.01	0/3	1.0E-03			
					22	0/10	5.0E-03			
					02.02	0/21	5.0E-03			
					02.03	0/6	1.0E-03			
					02.04	0/10	5.0E-03			
					13	0/57	5.0E-03			
					20.02	1/9	5.0E-03	0.0E+00	5.6E-03	
					20.01	0/8	5.0E-03			
					03.01	0/34	2.7E-03			
					21	0/16	5.0E-03			
					03.02	0/14	2.7E-03			
					03.03	1/22	5.0E-03	0.0E+00	7.0E-03	
					03.04	0/16	2.7E-03			
					04.01	0/24	5.0E-03			
					04.02	0/6	1.0E-03			
					06	0/0				
					04.04	0/11	2.7E-03			
					18	0/8	5.0E-03			
					05	0/4	2.7E-03			

^aRecreation = Ingestion of water and aquatic organisms; applies to Clinch River only^bRecreation = Ingestion of aquatic organisms only; applies to Poplar Creek and McCoy Branch^cAquatic life= Criterion Continuous Concentration

Table B6. Comparison of detection limits and maximum values of infrequently detected analytes to Ambient Water Quality Criteria

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Frequency of detects	Minimum detection limit	Maximum detection limit	Maximum observed concentration
1,2-Dichlorobenzene (mg/L)	6.0E-01	2.7E+00	1.7E+01		0/19	1.0E-02	1.0E-02	
1,3-Dichlorobenzene (mg/L)		4.0E-01	2.6E+00		0/19	1.0E-02	1.0E-02	
1,4-Dichlorobenzene (mg/L)	7.5E-02	4.0E-01	2.6E+00		0/19	1.0E-02	1.0E-02	
2,4,6-Trichlorophenol (mg/L)		2.1E-02	6.5E-02		0/207	5.0E-03	1.0E-02	
2,4-Dichlorophenol (mg/L)		9.3E-02	7.9E-01		0/209	5.0E-03	1.0E-02	
2,4-Dimethylphenol (mg/L)		5.4E-01	2.3E+00		0/209	5.0E-03	1.0E-02	
2,4-Dinitrotoluene (mg/L)		1.1E-03	9.1E-02		0/210	5.0E-03	1.0E-02	
2-Chlorophenol (mg/L)		1.2E-01	4.0E-01		0/209	5.0E-03	1.0E-02	
3,3'-Dichlorobenzidine (mg/L)		4.0E-04	7.7E-04		0/210	5.0E-03	2.0E-02	
4,4'-DDD (mg/L)		8.3E-06	8.4E-06		0/202	1.2E-05	1.0E-04	
4,4'-DDE (mg/L)		5.9E-06	5.9E-06		0/202	1.2E-05	1.0E-04	
4,4'-DDT (mg/L)		5.9E-06	5.9E-06	1.0E-06	0/202	1.2E-05	1.0E-04	
Acenaphthene (mg/L)		1.2E+00	2.7E+00		0/210	5.0E-03	1.0E-02	
Aldrin (mg/L)		1.3E-06	1.4E-06		0/202	6.0E-06	5.0E-05	
Anthracene (mg/L)		9.6E+00	1.1E+02		0/210	5.0E-03	1.0E-02	
Benzo(a)anthracene (mg/L)		4.4E-05	4.9E-04		0/209	5.0E-03	1.0E-02	
Benzo(a)pyrene (mg/L)	2.0E-04	4.4E-05	4.9E-04		0/210	5.0E-03	1.0E-02	
Benzo(b)fluoranthene (mg/L)		4.4E-05	4.9E-04		0/210	5.0E-03	1.0E-02	
Bis(2-chloroethyl) ether (mg/L)		3.1E-04	1.4E-02		8/210	3.0E-03	4.6E-02	
Bis(2-ethylhexyl)phthalate (mg/L)	6.0E-03	1.8E-02	5.9E-02		1/210	5.0E-03	1.0E-02	3.8E-02
Butylbenzylphthalate (mg/L)		3.0E+00	5.2E+00					4.0E-03
Cadmium (mg/L)	5.0E-03				1/378	2.1E-04	5.0E-03	3.6E-04
Chlordane, total (mg/L)	2.0E-03	5.7E-06	5.9E-06	4.3E-06	1/202	1.2E-05	1.0E-03	2.0E-05
Chrysene (mg/L)		4.4E-05	4.9E-04		0/210	5.0E-03	1.0E-02	
Di-n-butylphthalate (mg/L)		2.7E+00	1.2E+01		25/210	5.0E-03	1.1E-02	7.0E-03
Dibenz(a,h)anthracene (mg/L)		4.4E-05	4.9E-04		0/210	5.0E-03	1.0E-02	
Dieldrin (mg/L)		1.4E-06	1.4E-06		0/202	1.2E-05	1.0E-04	

^aRecreation = Ingestion of water and aquatic organisms^bRecreation = Ingestion of aquatic organisms only^cAquatic life = Criterion Continuous Concentration (CCC)

Table B6. (continued)

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Frequency of detects	Minimum detection limit	Maximum detection limit	Maximum observed concentration
Diethylphthalate (mg/L)		2.3E+01	1.2E+02		6/210	5.0E-03	1.0E-02	2.0E-03
Dimethylphthalate (mg/L)		3.1E+02	2.9E+03		0/210	5.0E-03	1.0E-02	
Endosulfan I (mg/L)		7.4E-02	1.6E-01	5.6E-05	0/202	6.0E-06	5.0E-05	
Endosulfan II (mg/L)		7.4E-02	1.6E-01	5.6E-05	0/202	1.2E-05	1.0E-04	
Endosulfan sulfate (mg/L)		7.4E-02	1.6E-01		0/200	1.2E-05	1.0E-04	
Endrin (mg/L)	2.0E-03	7.6E-04	8.1E-04	2.3E-06	0/202	1.2E-05	1.0E-04	
Endrin aldehyde (mg/L)		7.6E-04	8.1E-04		0/189	1.2E-05	2.1E-05	
Fluoranthene (mg/L)		3.0E-01	3.7E-01		0/210	5.0E-03	1.0E-02	
Fluorene (mg/L)		1.3E+00	1.4E+01		0/210	5.0E-03	1.0E-02	
Heptachlor (mg/L)	4.0E-04	2.1E-06	2.1E-06	3.8E-06	0/202	6.0E-06	5.0E-05	
Heptachlor epoxide (mg/L)	2.0E-04	1.0E-06	1.1E-06	3.8E-06	0/202	6.0E-06	5.0E-05	
Hexachlorobenzene (mg/L)	1.0E-03	7.5E-06	7.7E-06		0/210	5.0E-03	1.0E-02	
Hexachlorobutadiene (mg/L)		4.4E-03	5.0E-01		0/210	5.0E-03	1.0E-02	
Hexachlorocyclopentadiene (mg/L)	5.0E-02	2.4E-01	1.7E+01		0/210	5.0E-03	1.0E-02	
Hexachloroethane (mg/L)		1.9E-02	8.9E-02		0/210	5.0E-03	1.0E-02	
Indeno(1,2,3-cd)pyrene (mg/L)		4.4E-05	4.9E-04		0/210	5.0E-03	1.0E-02	
Isophorone (mg/L)		3.6E-01	2.6E+01		0/210	5.0E-03	1.0E-02	
Lindane (mg/L)	2.0E-04	1.9E-04	6.3E-04	8.0E-05	0/202	6.0E-06	5.0E-05	
Methoxychlor (mg/L)	4.0E-02				0/202	6.2E-05	5.0E-04	
N-Nitroso-di-n-propylamine (mg/L)		5.0E-06	1.4E-03		0/210	5.0E-03	1.0E-02	
N-Nitrosodiphenylamine (mg/L)		5.0E-02	1.6E-01		0/209	5.0E-03	1.0E-02	
Nitrobenzene (mg/L)		1.7E-02	1.9E+00		0/210	5.0E-03	1.0E-02	
PCBs, total (mg/L)	5.0E-04	4.4E-07	4.5E-07	1.4E-05	3/202	2.4E-04	2.0E-03	1.5E-03
Pentachlorophenol (mg/L)	1.0E-03	2.8E-03	8.2E-02	1.3E-02	0/209	1.9E-02	5.0E-02	
Phenol (mg/L)		2.1E+01	4.6E+03		0/209	5.0E-03	1.0E-02	
Pyrene (mg/L)		9.6E-01	1.1E+01		0/210	5.0E-03	1.0E-02	
Toxaphene (mg/L)	3.0E-03	7.3E-06	7.5E-06	2.0E-07	0/202	6.2E-04	1.1E-03	

^aRecreation = Ingestion of water and aquatic organisms^bRecreation = Ingestion of aquatic organisms only^cAquatic life = Criterion Continuous Concentration (CCC)

Table B6. (continued)

Analyte	Domestic water supply	Recreation ^a	Recreation ^b	Protection of aquatic life ^c	Frequency of detects	Minimum detection limit	Maximum detection limit	Maximum observed concentration
alpha-BHC (mg/L)		3.9E-04	1.3E-04		1/202	6.0E-06	5.0E-05	1.3E-05
beta-BHC (mg/L)		1.4E-04	4.6E-04		0/202	6.0E-06	5.0E-05	

^aRecreation = Ingestion of water and aquatic organisms

^bRecreation = Ingestion of aquatic organisms only

^cAquatic life = Criterion Continuous Concentration (CCC)

Table B7. Comparison of dissolved contaminant concentrations to the Criterion Continuous Concentration (CCC) for Protection of Aquatic Life

Analyte	CCC	Sub reach	Frequency of Detects	Maximum Detection Limit	95% LCB	PLE Mean	95% UCB
Cadmium (MG/L)	1.1E-03	10	0/2	2.1E-04			
		00	0/1	1.0E-03			
		01	1/20	1.0E-03	0.0E+00	3.9E-04	
		08	0/2	1.0E-03			
		07.01	0/5	1.0E-03			
		07.02	0/17	1.0E-03			
		02.01	0/3	1.0E-03			
		22	1/1			2.4E-03	
		02.02	0/13	1.0E-03			
		02.03	0/6	1.0E-03			
		02.04	0/2	1.0E-03			
		13	1/47	1.0E-03	0.0E+00	2.4E-03	
		03.01	0/14	1.0E-03			
		03.02	0/14	1.0E-03			
		03.03	0/14	1.0E-03			
		03.04	0/16	1.0E-03			
		04.01	0/16	1.0E-03			
		04.02	0/6	1.0E-03			
		04.04	1/11	1.0E-03	0.0E+00	3.1E-04	
Copper (MG/L)	1.2E-02	05	0/4	2.1E-04			
		10	0/2	4.4E-03			
		00	1/1			1.4E-03	
		01	15/20	7.4E-03	2.9E-03	4.6E-03	6.3E-03
		08	1/2	1.0E-03	0.0E+00	4.3E-03	
		07.01	5/5		1.9E-03	4.0E-03	6.1E-03
		07.02	14/17	3.0E-03	2.6E-03	3.5E-03	4.4E-03
		02.01	3/3		6.2E-04	2.6E-03	4.7E-03
		22	0/1	4.4E-03			
		02.02	12/13	4.4E-03	2.4E-03	3.1E-03	3.8E-03
		02.03	6/6		2.0E-03	3.3E-03	4.6E-03
		02.04	0/2	4.4E-03			

Table B7. (continued)

Analyte	CCC	Sub reach	Frequency of Detects	Maximum Detection Limit	95% LCB	PLE Mean	95% UCB
Copper (MG/L)	1.2E-02	13	46/47	4.4E-03	2.7E-03	3.4E-03	4.2E-03
		03.01	13/14	4.4E-03	2.3E-03	3.0E-03	3.8E-03
		03.02	13/14	4.4E-03	2.5E-03	3.2E-03	3.8E-03
		03.03	11/14	4.4E-03	2.5E-03	3.2E-03	3.8E-03
		03.04	14/16	4.4E-03	6.5E-04	7.1E-03	1.3E-02
		04.01	14/16	4.4E-03	2.0E-03	1.1E-02	1.9E-02
		04.02	6/6		1.6E-03	2.4E-03	3.2E-03
		04.04	9/10	4.4E-03	2.1E-03	3.7E-03	5.3E-03
		05	0/4	4.4E-03			
		10	0/2	7.0E-04			
		00	0/1	1.0E-03			
		01	5/20	2.3E-03	1.0E-03	1.2E-03	1.4E-03
		08	0/2	1.0E-03			
		07.01	0/5	1.0E-03			
		07.02	1/17	1.0E-03	0.0E+00	1.7E-03	
		02.01	1/3	1.0E-03	0.0E+00	2.5E-03	
Lead (MG/L)	3.2E-03	22	0/1	1.0E-03			
		02.02	0/13	2.0E-03			
		02.03	1/6	1.0E-03	0.0E+00	1.5E-03	
		02.04	0/2	2.5E-03			
		13	4/47	1.0E-03	6.0E-04	6.4E-04	6.8E-04
		03.01	2/14	1.0E-03	1.4E-03	1.4E-03	1.4E-03
		03.02	1/14	1.3E-03	0.0E+00	2.2E-03	
		03.03	1/14	1.9E-03	0.0E+00	1.2E-03	
		03.04	1/16	1.8E-03	0.0E+00	1.1E-03	
		04.01	2/16	1.0E-03	1.3E-03	1.3E-03	1.3E-03
		04.02	0/6	1.0E-03			
		04.04	2/11	1.5E-03	6.9E-04	8.7E-04	1.1E-03
		05	0/4	2.4E-03			
		10	0/2	1.9E-02			
		00	1/1			4.9E-03	
		01	16/20	1.9E-02	2.0E-03	2.9E-03	3.8E-03
Nickel (MG/L)	1.6E-01						

Table B7. (continued)

Analyte	CCC	Sub reach	Frequency of Detects	Maximum Detection Limit	95% LCB	PLE Mean	95% UCB
Nickel (MG/L)							
	1.6E-01	08	1/2	1.0E-03	0.0E+00	5.2E-03	
		07.01	4/5	1.0E-03	6.5E-05	3.7E-03	7.3E-03
		07.02	15/17	1.0E-03	1.6E-03	3.1E-03	4.5E-03
		02.01	3/3		0.0E+00	4.9E-03	1.0E-02
		22	0/1	1.9E-02			
		02.02	10/13	1.9E-02	1.7E-03	2.4E-03	3.2E-03
		02.03	6/6		1.4E-03	3.5E-03	5.6E-03
		02.04	1/2	1.9E-02	0.0E+00	1.9E-03	
		13	46/47	1.9E-02	3.8E-03	4.6E-03	5.4E-03
		03.01	13/14	1.9E-02	3.3E-03	4.2E-03	5.2E-03
		03.02	13/14	1.9E-02	3.3E-03	4.1E-03	4.9E-03
		03.03	13/14	1.9E-02	3.0E-03	4.4E-03	5.9E-03
		03.04	15/16	1.9E-02	2.6E-03	3.6E-03	4.6E-03
		04.01	14/16	1.9E-02	2.3E-03	3.0E-03	3.7E-03
		04.02	4/6	1.0E-03	1.6E-03	2.8E-03	3.9E-03
		04.04	7/10	1.9E-02	8.8E-04	3.3E-03	5.8E-03
Silver (MG/L)							
	4.1E-03	05	0/4	1.9E-02			
		10	0/2	7.4E-04			
		00	0/1	1.0E-03			
		01	0/20	1.0E-03			
		08	0/2	1.0E-03			
		07.01	1/5	1.0E-03	0.0E+00	1.6E-03	
		07.02	0/17	1.0E-03			
		02.01	0/3	1.0E-03			
		22	0/1	7.4E-04			
		02.02	0/13	1.0E-03			
		02.03	0/6	1.0E-03			
		02.04	0/2	1.0E-03			
		13	1/47	1.0E-03	0.0E+00	1.5E-03	
		03.01	0/14	1.0E-03			
		03.02	1/14	1.0E-03	0.0E+00	1.3E-02	
		03.03	0/14	1.0E-03			

Table B7. (continued)

Analyte	CCC	Sub reach	Frequency of Detects	Maximum Detection Limit	95% LCB	PLE Mean	95% UCB
Silver (MG/L)	4.1E-03	03.04	0/16	1.0E-03			
		04.01	0/16	1.0E-03			
		04.02	0/6	1.0E-03			
		04.04	0/11	1.0E-03			
		05	0/4	7.4E-04			
Zinc (MG/L)	1.1E-01	10	1/2	7.9E-03	0.0E+00	2.1E-02	
		00	1/1			3.0E-03	
		01	16/20	1.5E-02	5.0E-03	7.4E-03	9.8E-03
		08	1/2	2.0E-03	0.0E+00	6.0E-03	
		07.01	4/5	4.2E-03	2.1E-03	4.6E-03	7.1E-03
		07.02	12/17	8.6E-03	3.2E-03	4.2E-03	5.2E-03
		02.01	3/3		0.0E+00	7.2E-03	1.5E-02
		22	1/1			2.0E-02	
		02.02	7/13	5.1E-03	3.2E-03	3.7E-03	4.1E-03
		02.03	5/6	5.6E-03	3.8E-03	4.5E-03	5.2E-03
		02.04	1/2	1.2E-02	0.0E+00	9.4E-03	
		13	46/47	1.3E-02	5.1E-03	6.0E-03	6.9E-03
		03.01	13/14	1.1E-02	5.9E-03	7.2E-03	8.6E-03
		03.02	13/14	1.5E-02	5.6E-03	7.4E-03	9.2E-03
		03.03	12/14	5.8E-03	3.8E-03	6.0E-03	8.1E-03
		03.04	14/16	4.3E-03	1.4E-04	1.4E-02	2.7E-02
		04.01	14/16	4.6E-03	2.1E-03	1.9E-02	3.7E-02
		04.02	6/6		3.1E-03	5.1E-03	7.1E-03
		04.04	9/10	3.4E-03	3.1E-03	6.9E-03	
		05	0/4	1.6E-02			1.1E-02

Appendix C

SEDIMENT CHARACTERIZATION DATA TABLES

Table C1. Summary of data sources used in characterization of sediment. Phase 1 data are sediment cores only, Phase 2 data are sediment cores and pore water data, and the near-shore study data are surface grabs only.

Subreach	Number of Samples Collected			Total for subreach
	CRRRI Phase 1	CRRRI Phase 2	Near-shore study (Levine et al. 1994)	
10	1	0	7	8
0	0	5	0	5
1	2	0	21	24
8	0	1	0	1
7.01	0	1	0	1
7.02	0	1	0	1
2.01	0	1	0	1
2.02	1	0	50	51
2.03	0	1	79	80
2.04	1	7	30	38
13	0	5	0	5
3.01	0	2	0	2
3.02	1	8	1	10
3.03	0	9	0	9
3.04	1	6	3	10
4.01	1	9	51	61
4.02	0	6	26	32
4.03	0	7	48	55
6	0	0	62	62
4.04	1	11	25	37
18	0	3	23	26

Table C2. Analytes undetected in one or more sediment media

Analyte	Sediment Detection Limit	Frequency of Detects		Sediment Column	Pore Water Detection Limit	Frequency of Detects - Pore Water
		Surface Sediment	Near Shore			
1,2,4-Trichlorobenzene	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
1,2-Dichlorobenzene	6.1E+00 MG/KG	0/96	0/37	0/35	.	0/0
1,3-Dichlorobenzene	6.1E+00 MG/KG	0/96	0/37	0/35	.	0/0
1,4-Dichlorobenzene	6.1E+00 MG/KG	1/96	0/37	1/35	.	0/0
2,2'-oxybis(1-chloropropane)	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
2,4,5-Trichlorophenol	3.0E+01 MG/KG	0/96	0/37	0/35	4.2E-02 MG/L	0/35
2,4,6-Trichlorophenol	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/35
2,4-Dichlorophenol	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/35
2,4-Dimethylphenol	6.1E+00 MG/KG	1/96	0/37	0/35	1.0E-02 MG/L	0/35
2,4-Dinitrophenol	3.0E+01 MG/KG	0/96	0/37	0/35	4.2E-02 MG/L	0/36
2,4-Dinitrotoluene	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
2,6-Dinitrotoluene	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
2-Chloronaphthalene	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
2-Chlorophenol	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/35
2-Methyl-4,6-dinitrophenol	3.0E+01 MG/KG	0/96	0/37	0/35	4.2E-02 MG/L	0/35
2-Methylnaphthalene	6.1E+00 MG/KG	70/96	32/37	29/35	1.0E-02 MG/L	0/36
2-Methylphenol	6.1E+00 MG/KG	0/95	0/37	0/35	1.0E-02 MG/L	0/35
2-Nitroaniline	3.0E+01 MG/KG	0/96	0/37	0/35	4.2E-02 MG/L	0/36
2-Nitrophenol	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/35
3,3'-Dichlorobenzidine	1.2E+01 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
3-Nitroaniline	3.0E+01 MG/KG	0/96	0/37	0/35	4.2E-02 MG/L	0/36
4,4'-DDD	1.6E+00 MG/KG	1/95	0/37	1/35	2.1E-05 MG/L	0/35
4,4'-DDE	1.6E+00 MG/KG	0/95	0/37	0/35	2.1E-05 MG/L	0/35
4,4'-DDT	1.6E+00 MG/KG	1/95	0/37	1/35	2.1E-05 MG/L	0/35
4-Bromophenyl phenyl ether	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
4-Chloro-3-methylphenol	6.1E+00 MG/KG	2/96	1/37	1/35	1.0E-02 MG/L	0/35
4-Chlorobenzenamine	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/34
4-Chlorophenylphenyl ether	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
4-Methylphenol	6.1E+00 MG/KG	3/96	2/37	1/35	1.0E-02 MG/L	0/35

Table C2. (continued)

Analyte	Sediment Detection Limit	Surface Sediment	Frequency of Detects Near Shore	Sediment Column	Pore Water Detection Limit	Frequency of Detects - Pore Water
4-Nitroaniline	3.0E+01 MG/KG	0/96	0/37	0/35	4.2E-02 MG/L	0/36
4-Nitrophenol	3.0E+01 MG/KG	2/96	1/37	2/35	4.2E-02 MG/L	0/35
Acenaphthene	6.1E+00 MG/KG	17/96	9/37	8/35	1.0E-02 MG/L	0/36
Acenaphthylene	6.1E+00 MG/KG	5/96	3/37	4/35	1.0E-02 MG/L	0/36
Aldrin	6.3E-01 MG/KG	0/91	0/37	0/35	1.0E-05 MG/L	1/35
Anthracene	6.1E+00 MG/KG	18/96	12/37	6/35	1.0E-02 MG/L	0/36
Benzo(a)anthracene	6.1E+00 MG/KG	60/96	31/37	23/35	1.0E-02 MG/L	0/36
Benzo(a)pyrene	6.1E+00 MG/KG	65/96	32/37	23/35	1.0E-02 MG/L	0/36
Benzo(b)fluoranthene	6.1E+00 MG/KG	74/96	34/37	28/35	1.0E-02 MG/L	0/36
Benzo(ghi)perylene	6.1E+00 MG/KG	50/96	27/37	18/35	1.0E-02 MG/L	0/36
Benzo(k)fluoranthene	6.1E+00 MG/KG	34/96	22/37	10/35	1.0E-02 MG/L	0/36
Benzoic acid	3.0E+01 MG/KG	3/96	1/37	0/35	4.2E-02 MG/L	3/35
Benzyl alcohol	6.1E+00 MG/KG	0/95	0/37	0/35	1.0E-02 MG/L	0/35
Beryllium	2.3E-01 MG/KG	104/105	38/38	44/44	2.0E-03 MG/L	0/82
Bis(2-chloroethoxy)methane	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
Bis(2-chloroethyl) ether	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
Butylbenzylphthalate	6.1E+00 MG/KG	14/96	9/37	4/35	1.0E-02 MG/L	0/36
Carbazole	1.3E+00 MG/KG	24/82	13/36	5/29	1.0E-02 MG/L	0/36
Cesium-137	2.5E-01 PCI/G	1E3/1E3	129/131	37/40	1.8E+01 PCI/L	0/75
Chlordane, total	1.3E+01 MG/KG	0/92	0/37	0/35	2.0E-05 MG/L	0/35
Chrysene	6.1E+00 MG/KG	68/96	32/37	25/35	1.0E-02 MG/L	0/36
Cobalt-60	3.6E-01 PCI/G	530/1E3	96/132	19/40	1.6E+01 PCI/L	0/75
Di-n-butylphthalate	6.1E+00 MG/KG	3/96	0/37	3/35	1.0E-02 MG/L	4/36
Di-n-octylphthalate	6.1E+00 MG/KG	1/96	1/37	0/35	1.0E-02 MG/L	1/36
Dibenz(a,h)anthracene	6.1E+00 MG/KG	19/96	13/37	6/35	1.0E-02 MG/L	0/36
Dibenzofuran	6.1E+00 MG/KG	38/96	22/37	9/35	1.0E-02 MG/L	0/36
Dieldrin	1.6E+00 MG/KG	0/94	0/37	0/35	2.1E-05 MG/L	0/35
Diethylphthalate	6.1E+00 MG/KG	9/96	4/37	4/35	1.0E-02 MG/L	0/36
Dimethylphthalate	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36

Table C2. (continued)

Analyte	Sediment Detection Limit	Frequency of Detects			Pore Water Detection Limit	Frequency of Detects - Pore Water
		Surface Sediment	Near Shore	Sediment Column		
Endosulfan	1.9E+00 MG/KG	0/95	0/37	0/35	3.1E-05 MG/L	0/35
Endosulfan I	6.3E-01 MG/KG	0/92	0/37	0/35	1.0E-05 MG/L	0/35
Endosulfan II	1.6E+00 MG/KG	0/95	0/37	0/35	2.1E-05 MG/L	0/35
Endosulfan sulfate	1.6E+00 MG/KG	0/95	0/37	0/35	2.1E-05 MG/L	0/35
Endrin	1.6E+00 MG/KG	0/95	0/37	0/35	2.1E-05 MG/L	0/35
Endrin aldehyde	4.8E-03 MG/KG	0/81	0/36	0/29	2.1E-05 MG/L	0/35
Endrin ketone	1.6E+00 MG/KG	0/95	0/37	0/35	2.1E-05 MG/L	0/35
Europium-152	1.0E+00 PCI/G	1/452	0/24	0/0	2.1E-05 MG/L	0/35
Europium-154	1.4E-01 PCI/G	0/210	0/13	0/0	.	0/0
Fluoranthene	6.1E+00 MG/KG	73/96	34/37	30/35	1.0E-02 MG/L	0/36
Fluorene	6.1E+00 MG/KG	20/96	10/37	8/35	1.0E-02 MG/L	0/36
Heptachlor	6.3E-01 MG/KG	7/92	3/37	3/35	1.0E-05 MG/L	0/35
Heptachlor epoxide	6.3E-01 MG/KG	0/92	0/37	0/35	1.0E-05 MG/L	0/35
Hexachlorobenzene	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
Hexachlorobutadiene	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
Hexachlorocyclopentadiene	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
Hexachloroethane	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
Indeno(1,2,3-cd)pyrene	6.1E+00 MG/KG	45/96	25/37	15/35	1.0E-02 MG/L	0/36
Isophorone	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
Lindane	6.3E-01 MG/KG	0/92	0/37	0/35	1.0E-05 MG/L	0/35
Methoxychlor	8.0E+00 MG/KG	1/95	1/37	0/35	1.0E-04 MG/L	0/35
Molybdenum	6.7E+00 MG/KG	0/83	0/37	0/29	5.0E-03 MG/L	41/82
N-Nitroso-di-n-propylamine	6.1E+00 MG/KG	0/96	0/37	1/35	1.0E-02 MG/L	0/36
N-Nitrosodiphenylamine	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
Naphthalene	6.1E+00 MG/KG	65/96	31/37	24/35	1.0E-02 MG/L	0/36
Nitrobenzene	6.1E+00 MG/KG	0/96	0/37	0/35	1.0E-02 MG/L	0/36
PCB-1016	6.3E+00 MG/KG	0/92	0/37	0/35	2.1E-04 MG/L	0/35
PCB-1221	6.3E+00 MG/KG	0/92	0/37	0/35	4.1E-04 MG/L	0/35
PCB-1232	6.3E+00 MG/KG	0/92	0/37	0/35	2.1E-04 MG/L	0/35

Table C2. (continued)

Analyte	Sediment Detection Limit	Frequency of Detects		Pore Water Detection Limit	Frequency of Detects - Pore Water
		Surface Sediment	Near Shore		
PCB-1242	6.3E+00 MG/KG	0/92	0/37	2.1E-04 MG/L	0/35
PCB-1248	6.3E+00 MG/KG	4/92	2/37	2.1E-04 MG/L	0/35
PCB-1260	1.6E+01 MG/KG	29/95	22/37	2.1E-04 MG/L	0/35
Pentachlorophenol	3.0E+01 MG/KG	3/95	2/37	4.2E-02 MG/L	0/35
Phenanthrene	6.1E+00 MG/KG	78/96	33/37	1.0E-02 MG/L	0/36
Phenol	6.1E+00 MG/KG	6/96	1/37	1.0E-02 MG/L	0/35
Pyrene	6.1E+00 MG/KG	75/96	34/37	1.0E-02 MG/L	0/36
Silver	6.7E-02 MG/KG	93/101	36/37	1.0E-03 MG/L	0/82
Thallium	7.1E-01 MG/KG	4/105	1/38	1.0E-03 MG/L	0/82
Toxaphene	1.6E+01 MG/KG	1/94	0/37	1.0E-03 MG/L	0/35
alpha-BHC	6.3E-01 MG/KG	0/92	0/37	1.0E-05 MG/L	0/35
alpha-Chlordane	6.3E+00 MG/KG	0/92	0/37	1.0E-05 MG/L	0/35
beta-BHC	6.3E-01 MG/KG	0/92	0/37	1.0E-05 MG/L	0/35
delta-BHC	6.3E-01 MG/KG	0/92	0/37	1.0E-05 MG/L	0/35
gamma-Chlordane	6.3E+00 MG/KG	0/92	0/37	1.0E-05 MG/L	0/35

Table C3. Summary statistics for contaminants in surface sediment

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
1,4-Dichlorobenzene (MG/KG)	10	0/1	4.8E+00	4.8E+00 *			
	00	0/5	2.0E-01	2.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	0/5	2.2E-01	1.2E+00 *			
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	0/9	2.3E-01	4.9E-01 *			
	03.03	0/9	2.3E-01	3.1E-01 *			
	03.04	1/7	1.3E-01	5.3E-01 *	1.3E-01		
	04.01	0/10	2.0E-01	4.9E-01 *			
	04.02	0/5	2.0E-01	2.8E-01 *			
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
2,4-Dimethylphenol (MG/KG)	10	0/1	4.8E+00	4.8E+00 *			
	00	0/5	2.0E-01	2.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,4-Dimethylphenol (MG/KG)	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	1/5	2.2E-01	2.7E-01	2.7E-01		
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	0/9	2.3E-01	4.9E-01 *			
	03.03	0/9	2.3E-01	3.1E-01 *			
	03.04	0/7	2.1E-01	5.3E-01 *			
	04.01	0/10	2.0E-01	4.9E-01 *			
	04.02	0/5	2.0E-01	2.8E-01 *			
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	5/5	3.5E-02	6.7E-01	2.7E-01	1.4E-01	5.8E-01
2-Methylnaphthalene (MG/KG)	01	0/2	5.9E-01	1.2E+00 *			
	08	1/1	4.0E-02	4.0E-02	4.0E-02		
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	1/1	1.1E-01	1.1E-01	1.1E-01		
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	5/8	3.5E-02	6.5E-01	1.2E-01	7.9E-02	2.7E-01
	13	5/5	3.7E-02	1.1E+01	2.4E+00	2.2E+00	7.0E+00
	03.01	1/2	1.8E-02	2.0E-01 *	1.8E-02		
	03.02	8/9	1.4E-02	4.9E-01 *	1.6E-01	4.1E-02	2.4E-01
	03.03	9/9	5.2E-02	5.1E-01	1.9E-01	5.4E-02	2.9E-01
	03.04	7/7	2.5E-02	2.8E-01	1.3E-01	2.9E-02	1.9E-01

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2-Methylnaphthalene (MG/KG)	04.01	7/10	2.5E-02	4.9E-01 *	5.0E-02	6.8E-03	6.2E-02
	04.02	4/5	2.8E-02	2.8E-01 *	9.9E-02	5.2E-02	2.1E-01
	04.03	7/7	4.1E-02	2.4E-01	1.1E-01	2.4E-02	1.6E-01
	06	0/0					
4,4'-DDD (MG/KG)	04.04	10/12	7.5E-02	5.3E+00 *	1.2E-01	9.1E-03	1.4E-01
	18	0/3	3.4E-01 *	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	1.5E+00	1.5E+00 *			
	00	0/5	8.1E-04	1.1E-03 *			
	01	1/2	2.8E-01	5.9E-01 *	2.8E-01		
	08	0/1	1.7E-03	1.7E-03 *			
	07.01	0/1	1.8E-03	1.8E-03 *			
	07.02	0/1	1.8E-03	1.8E-03 *			
	02.01	0/1	8.4E-04	8.4E-04 *			
	22	0/1	1.9E-01	1.9E-01 *			
	02.02	0/1	1.2E-01	1.2E-01 *			
	02.03	0/1	9.1E-04	9.1E-04 *			
	02.04	0/8	8.1E-04	2.9E-01			
	13	0/5	8.9E-04	1.1E-03 *			
	03.01	0/2	8.1E-04	1.1E-03 *			
4,4'-DDT (MG/KG)	03.02	0/9	9.2E-04	2.4E-01 *			
	03.03	0/9	9.4E-04	4.8E-03 *			
	03.04	0/7	8.5E-04	5.7E-01 *			
	04.01	0/10	8.0E-04	2.4E-01 *			
	04.02	0/5	8.2E-04	1.1E-03 *			
	04.03	0/7	8.9E-04	1.2E-03 *			
	06	0/0					
	04.04	0/12	1.2E-03	9.9E-01 *			
	18	0/2	9.9E-04	1.2E-03 *			
	05	0/4	3.2E-01	1.6E+00 *			
	10	0/1	1.5E+00	1.5E+00 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
4,4'-DDT (MG/KG)	00	0/5	8.1E-04	1.1E-03 *			
	01	1/2	2.8E-01	5.9E-01 *	2.8E-01		
	08	0/1	1.7E-03	1.7E-03 *			
	07.01	0/1	1.8E-03	1.8E-03 *			
	07.02	0/1	1.8E-03	1.8E-03 *			
	02.01	0/1	8.4E-04	8.4E-04 *			
	22	0/1	1.9E-01	1.9E-01 *			
	02.02	0/1	1.2E-01	1.2E-01 *			
	02.03	0/1	9.1E-04	9.1E-04 *			
	02.04	0/8	8.1E-04	2.9E-01			
	13	0/5	8.9E-04	1.1E-03 *			
	03.01	0/2	8.1E-04	1.1E-03 *			
	03.02	0/9	9.2E-04	2.4E-01 *			
	03.03	0/9	9.4E-04	4.8E-03 *			
	03.04	0/7	8.5E-04	5.7E-01 *			
	04.01	0/10	8.0E-04	2.4E-01 *			
	04.02	0/5	8.2E-04	1.1E-03 *			
	04.03	0/7	8.9E-04	1.2E-03 *			
	06	0/0					
	04.04	0/12	1.2E-03	9.9E-01 *			
	18	0/2	9.9E-04	1.2E-03 *			
4-Chloro-3-methylphenol (MG/KG)	05	0/4	3.2E-01	1.6E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	0/5	2.0E-01	2.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
4-Chloro-3-methylphenol (MG/KG)	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	0/5	2.2E-01	1.2E+00 *			
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	1/9	6.2E-02	4.9E-01 *	6.2E-02		
	03.03	0/9	2.3E-01	3.1E-01 *			
	03.04	1/7	3.5E-02	5.3E-01 *	3.5E-02		
	04.01	0/10	2.0E-01	4.9E-01 *			
	04.02	0/5	2.0E-01	2.8E-01 *			
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
4-Methylphenol (MG/KG)	10	0/1	4.8E+00	4.8E+00 *			
	00	0/5	2.0E-01	2.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	1/8	3.8E-02	5.0E-01 *	3.8E-02		
	13	0/5	2.2E-01	1.2E+00 *			
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	0/9	2.3E-01	4.9E-01 *			
	03.03	1/9	5.5E-02	3.1E-01 *	5.5E-02		
	03.04	1/7	2.1E-01	5.3E-01 *	3.0E-01		
	04.01	0/10	2.0E-01	4.9E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Defects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
4-Methylphenol (MG/KG)	04.02	0/5	2.0E-01	2.8E-01 *			
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	2.3E+01	2.3E+01 *			
	00	0/5	5.0E-01	6.9E-01 *			
	01	0/2	2.8E+00	5.9E+00 *			
	08	0/1	1.0E+00	1.0E+00 *			
	07.01	1/1	1.4E-01	1.4E-01	1.4E-01		
	07.02	0/1	1.1E+00	1.1E+00 *			
4-Nitrophenol (MG/KG)	02.01	0/1	5.0E-01	5.0E-01 *			
	22	0/1	1.6E+01	1.6E+01 *			
	02.02	0/1	2.1E+00	2.1E+00 *			
	02.03	0/1	5.4E-01	5.4E-01 *			
	02.04	1/8	2.7E-01	2.4E+00 *	2.7E-01		
	13	0/5	5.4E-01	2.8E+00 *			
	03.01	0/2	5.0E-01	6.3E-01 *			
	03.02	0/9	5.6E-01	2.4E+00 *			
	03.03	0/9	5.7E-01	7.4E-01 *			
	03.04	0/7	5.2E-01	2.6E+00 *			
	04.01	0/10	4.9E-01	2.4E+00 *			
	04.02	0/5	4.9E-01	6.8E-01 *			
Acenaphthene (MG/KG)	04.03	0/7	5.3E-01	7.4E-01 *			
	06	0/0					
	04.04	0/12	2.4E+00	2.6E+01 *			
	18	0/3	8.1E-01	2.4E+00 *			
	05	0/4	4.1E+00	3.0E+01 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	1/5	2.0E-02	2.7E-01 *	2.0E-02		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Acenaphthene (MG/KG)	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	1/5	1.9E-01	2.7E-01 *	1.9E-01		
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	5/9	1.8E-02	4.9E-01 *	4.2E-02	1.1E-02	6.2E-02
	03.03	7/9	1.5E-02	2.4E-01 *	5.7E-02	2.1E-02	9.6E-02
	03.04	2/7	1.7E-02	5.3E-01 *	8.4E-02	6.7E-02	2.1E-01
	04.01	1/10	1.1E-01	4.9E-01 *	1.1E-01		
	04.02	0/5	2.0E-01	2.8E-01 *			
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
Acenaphthylene (MG/KG)	10	0/1	4.8E+00	4.8E+00 *			
	00	0/5	2.0E-01	2.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Acenaphthylene (MG/KG)	02.04	0/8	2.0E-01	5.0E-01			
	13	1/5	1.5E-02	1.2E+00 *	1.5E-02		
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	1/9	2.6E-02	4.9E-01 *	2.6E-02		
	03.03	2/9	1.7E-02	3.1E-01 *	1.8E-02	1.0E-03	2.0E-02
	03.04	1/7	1.7E-02	5.3E-01 *	1.7E-02		
	04.01	0/10	2.0E-01	4.9E-01 *			
	04.02	0/5	2.0E-01	2.8E-01 *			
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/0					
	00	5/5	1.7E+03	6.8E+03	5.0E+03	9.1E+02	6.9E+03
	01	0/0					
Aluminum (MG/KG)	08	1/1	1.7E+04	1.7E+04	1.7E+04		
	07.01	1/1	1.9E+04	1.9E+04	1.9E+04		
	07.02	1/1	1.7E+04	1.7E+04	1.7E+04		
	02.01	1/1	4.1E+03	4.1E+03	4.1E+03		
	22	0/0					
	02.02	0/0					
	02.03	1/1	8.2E+03	8.2E+03	8.2E+03		
	02.04	7/7	2.0E+03	1.8E+04	9.9E+03	1.7E+03	1.3E+04
	13	5/5	3.7E+03	1.3E+04	9.4E+03	1.6E+03	1.3E+04
	03.01	2/2	9.1E+03	1.1E+04	1.0E+04	1.2E+03	1.8E+04
	03.02	8/8	7.6E+03	2.0E+04	1.2E+04	1.4E+03	1.4E+04
	03.03	9/9	4.8E+03	1.6E+04	1.0E+04	1.3E+03	1.3E+04
	03.04	6/6	4.6E+03	1.4E+04	1.0E+04	1.6E+03	1.3E+04
	04.01	9/9	3.1E+03	1.2E+04	6.7E+03	9.7E+02	8.5E+03
	04.02	6/6	4.7E+03	1.0E+04	7.2E+03	8.7E+02	8.9E+03

Table C3. (continued)

Analyte	Sub reach	Frequency of Defects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Aluminum (MG/KG)	04.03	7/7	6.7E+03	1.3E+04	9.3E+03	9.0E+02	1.1E+04
	06	0/0					
	04.04	11/11	7.4E+03	2.1E+04	1.3E+04	1.3E+03	1.5E+04
	18	3/3	8.7E+03	1.4E+04	1.2E+04	1.5E+03	1.6E+04
	05	0/0					
	10	1/8	3.7E-02	1.5E-01	4.4E-02		
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
Americium-241 (PCI/G)	07.02	0/0					
	02.01	0/0					
	22	1/1	2.3E+01	2.3E+01	2.3E+01		
	02.02	2/49	8.4E-02	2.0E-01 *	9.7E-02	1.1E-03	9.9E-02
	02.03	5/51	6.0E-02	2.0E-01 *	8.8E-02	5.3E-03	9.7E-02
	02.04	1/5	1.7E-01	1.9E-01	1.8E-01		
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	1/1	7.6E-02	7.6E-02	7.6E-02		
	04.01	3/27	2.3E-02	2.2E-01 *	1.0E-01	5.4E-03	1.1E-01
	04.02	0/14	9.5E-02	2.8E-01 *			
	04.03	0/5	1.6E-01	2.9E-01 *			
	06	0/0					
	04.04	1/1	5.9E-02	5.9E-02	5.9E-02		
	18	0/0					
	05	2/47	5.0E-02	3.0E-01	6.4E-02	5.0E-03	7.2E-02
	10	0/1	4.8E+00	4.8E+00 *			
	00	0/5	2.0E-01	2.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Anthracene (MG/KG)	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	1/5	1.8E-02	1.2E+00 *	1.8E-02		
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	5/9	4.9E-02	4.9E-01 *	6.5E-02	9.2E-03	8.2E-02
	03.03	7/9	2.4E-02	2.4E-01 *	7.6E-02	2.7E-02	1.3E-01
	03.04	3/7	4.6E-02	5.3E-01 *	1.1E-01	3.1E-02	1.7E-01
	04.01	1/10	1.1E-01	4.9E-01 *	1.1E-01		
	04.02	1/5	2.0E-02	2.8E-01 *	2.0E-02		
	04.03	0/7	2.2E-01	3.0E-01 *			
06	0/0						
Antimony (MG/KG)	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	1.2E+00 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	5.7E-01	5.7E-01 *			
	00	2/4	2.3E-01	6.9E-01	6.8E-01	6.1E-03	6.9E-01
	01	0/1	6.5E-01	6.5E-01 *			
	08	0/1	7.6E-01	7.6E-01 *			
	07.01	0/1	9.5E-01	9.5E-01 *			
	07.02	3/9	2.0E-01	8.3E-01 *	2.6E-01	4.3E-02	3.4E-01
	02.01	0/1	2.6E-01	2.6E-01 *			
	22	0/0					
	02.02	0/0					
	02.03	0/1	2.4E-01	2.4E-01 *			
	02.04	0/5	3.3E-01	5.3E-01			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Antimony (MG/KG)	13	0/5	3.6E-01	4.7E-01 *			
	03.01	0/2	4.0E-01	5.2E-01 *			
	03.02	1/8	3.0E-01	6.4E-01 *	3.0E-01		
	03.03	0/7	3.9E-01	5.1E-01 *			
	03.04	1/7	3.0E-01	5.5E-01 *	3.0E-01		
	04.01	0/8	4.4E-01	5.6E-01 *			
	04.02	0/5	3.1E-01	4.6E-01 *			
	04.03	1/6	3.3E-01	5.0E-01	5.0E-01		
	06	0/0					
	04.04	0/12	3.0E-01	9.3E-01 *			
	18	0/2	2.1E-01	2.6E-01 *			
	05	1/3	4.3E-01	1.5E+00	1.5E+00		
	10	1/1	6.9E+00	6.9E+00	6.9E+00		
	00	5/5	1.4E+00	5.1E+00	3.4E+00	6.4E-01	4.7E+00
	01	2/2	4.5E+00	1.0E+01	7.4E+00	2.9E+00	2.6E+01
	08	1/1	7.9E+00	7.9E+00	7.9E+00		
Arsenic (MG/KG)	07.01	1/1	9.7E+01	9.7E+01	9.7E+01		
	07.02	9/9	4.3E+00	2.1E+01	1.2E+01	1.6E+00	1.5E+01
	02.01	1/1	1.8E+00	1.8E+00	1.8E+00		
	22	1/1	3.9E+00	3.9E+00	3.9E+00		
	02.02	1/1	3.1E+00	3.1E+00	3.1E+00		
	02.03	1/1	2.0E+00	2.0E+00	2.0E+00		
	02.04	8/8	3.6E+00	1.0E+01	6.1E+00	9.3E-01	7.8E+00
	13	5/5	3.3E+00	4.1E+00	3.8E+00	1.3E-01	4.0E+00
	03.01	2/2	1.6E+00	4.1E+00	2.9E+00	1.3E+00	1.1E+01
	03.02	9/9	2.5E+00	1.8E+01	5.7E+00	1.6E+00	8.7E+00
	03.03	9/9	1.9E+00	1.1E+01	4.4E+00	8.5E-01	6.0E+00
	03.04	7/7	3.1E+00	6.4E+01	2.4E+01	9.6E+00	4.2E+01
	04.01	10/10	2.2E+00	6.2E+00	3.7E+00	4.3E-01	4.5E+00
	04.02	6/6	2.0E+00	1.1E+01	4.7E+00	1.4E+00	7.5E+00
	04.03	7/7	4.3E+00	1.3E+01	7.7E+00	1.1E+00	9.8E+00

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Arsenic (MG/KG)	06	0/0					
	04.04	12/12	4.4E+00	1.7E+01	9.3E+00	9.2E-01	1.1E+01
	18	3/3	3.5E+00	5.4E+00	4.6E+00	5.6E-01	6.2E+00
	05	4/4	9.3E+00	1.1E+01	1.0E+01	4.3E-01	1.1E+01
	10	0/0					
	00	5/5	2.2E+01	7.4E+01	5.7E+01	9.1E+00	7.7E+01
	01	0/0					
	08	1/1	1.2E+02	1.2E+02	1.2E+02		
	07.01	1/1	1.6E+02	1.6E+02	1.6E+02		
	07.02	1/1	1.6E+02	1.6E+02	1.6E+02		
Barium (MG/KG)	02.01	1/1	4.3E+01	4.3E+01	4.3E+01		
	22	0/0					
	02.02	0/0					
	02.03	1/1	8.9E+01	8.9E+01	8.9E+01	1.7E+01	1.5E+02
	02.04	7/7	6.5E+01	1.9E+02	1.1E+02	8.5E+00	1.1E+02
	13	5/5	7.4E+01	1.2E+02	9.0E+01	4.1E+00	1.1E+02
	03.01	2/2	7.8E+01	8.6E+01	8.2E+01	1.4E+01	1.3E+02
	03.02	8/8	6.3E+01	1.9E+02	1.1E+02	8.6E+00	1.0E+02
	03.03	9/9	5.1E+01	1.3E+02	8.8E+01	2.5E+01	1.7E+02
	03.04	6/6	4.8E+01	2.1E+02	1.2E+02	8.0E+00	7.6E+01
Benzo(a)anthracene (MG/KG)	04.01	9/9	3.3E+01	1.2E+02	6.1E+01	9.2E+00	8.8E+01
	04.02	6/6	4.8E+01	1.1E+02	7.0E+01	1.2E+01	9.8E+01
	04.03	7/7	4.0E+01	1.2E+02	7.5E+01		
	06	0/0					
	04.04	11/11	6.5E+01	1.7E+02	1.1E+02	9.7E+00	1.3E+02
	18	3/3	8.3E+01	1.2E+02	1.1E+02	1.3E+01	1.4E+02
	05	0/0					
	10	0/1	4.8E+00	4.8E+00 *			
	00	2/5	7.2E-02	2.3E-01 *	9.1E-02	1.9E-02	1.3E-01
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Benzo(a)anthracene (MG/KG)	07.01	1/1	3.3E-02	3.3E-02	3.3E-02		
	07.02	1/1	2.9E-02	2.9E-02	2.9E-02		
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	2/8	7.0E-02	5.0E-01 *	8.9E-02	1.9E-02	1.2E-01
	13	3/5	5.8E-02	1.2E+00 *	1.1E-01	3.3E-02	1.8E-01
	03.01	1/2	1.0E-01	2.0E-01 *	1.0E-01		
	03.02	7/9	7.8E-02	5.0E-01	2.4E-01	5.7E-02	3.5E-01
	03.03	9/9	7.8E-02	8.7E-01	2.5E-01	8.1E-02	4.0E-01
	03.04	5/7	1.9E-02	5.3E-01 *	1.2E-01	2.7E-02	1.7E-01
	04.01	5/10	3.7E-02	4.9E-01 *	5.8E-02	1.1E-02	7.9E-02
	04.02	4/5	2.2E-02	2.0E-01 *	7.9E-02	2.8E-02	1.4E-01
	04.03	7/7	4.6E-02	9.3E-02	6.0E-02	5.9E-03	7.1E-02
	06	0/0					
Benzo(a)pyrene (MG/KG)	04.04	10/12	7.1E-02	5.3E+00 *	9.7E-02	1.2E-02	1.2E-01
	18	3/3	2.0E-01	6.8E-01	3.6E-01	1.6E-01	8.2E-01
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	2/5	7.3E-02	2.3E-01 *	8.1E-02	7.5E-03	9.6E-02
	01	0/2	5.9E-01	1.2E+00 *			
	08	1/1	5.5E-01	5.5E-01	5.5E-01		
	07.01	1/1	3.9E-01	3.9E-01	3.9E-01		
	07.02	1/1	6.4E-01	6.4E-01	6.4E-01		
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	4/8	2.1E-02	5.0E-01 *	1.2E-01	6.5E-02	2.4E-01
	13	4/5	5.8E-02	1.2E+00 *	1.7E-01	6.5E-02	3.0E-01

Table C3. (continued)

Analyte	Sub reach	Frequency of Defects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Benzo(a)pyrene (MG/KG)	03.01	1/2	6.5E-02	2.0E-01 *	6.5E-02		
	03.02	8/9	4.4E-02	4.9E-01 *	1.7E-01	3.9E-02	2.5E-01
	03.03	9/9	4.6E-02	6.7E-01	1.8E-01	6.4E-02	2.9E-01
	03.04	6/7	1.7E-02	5.3E-01 *	1.0E-01	2.3E-02	1.5E-01
	04.01	6/10	1.4E-02	4.9E-01 *	4.0E-02	8.8E-03	5.6E-02
	04.02	4/5	2.3E-02	3.1E-01	1.0E-01	5.7E-02	2.2E-01
	04.03	7/7	3.9E-02	1.1E+00	2.9E-01	1.4E-01	5.6E-01
	06	0/0					
	04.04	8/12	7.2E-02	5.3E+00 *	5.5E-01	8.5E-02	7.0E-01
	18	3/3	1.3E-01	1.6E-01	1.5E-01	1.0E-02	1.8E-01
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
Benzo(b)fluoranthene (MG/KG)	00	4/5	2.0E-02	2.0E-01 *	6.7E-02	2.5E-02	1.2E-01
	01	0/2	5.9E-01	1.2E+00 *			
	08	1/1	6.8E-02	6.8E-02	6.8E-02		
	07.01	1/1	4.9E-02	4.9E-02	4.9E-02		
	07.02	1/1	6.3E-02	6.3E-02	6.3E-02		
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	6/8	2.6E-02	5.0E-01 *	6.6E-02	1.6E-02	9.7E-02
	13	4/5	2.3E-02	3.0E-01	1.5E-01	5.5E-02	2.7E-01
	03.01	2/2	2.8E-02	1.7E-01	9.9E-02	7.1E-02	5.5E-01
	03.02	8/9	1.6E-02	6.1E-01	2.6E-01	6.8E-02	3.8E-01
	03.03	9/9	8.4E-02	1.0E+00	3.1E-01	9.4E-02	4.8E-01
	03.04	6/7	3.2E-02	4.7E-01	1.9E-01	5.4E-02	2.9E-01
	04.01	6/10	2.2E-02	4.9E-01 *	7.4E-02	1.5E-02	1.0E-01
	04.02	5/5	1.6E-02	2.0E-01	9.2E-02	3.6E-02	1.7E-01
	04.03	7/7	6.8E-02	1.5E-01	9.3E-02	1.1E-02	1.1E-01
	06	0/0					

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Benzo(b)fluoranthene (MG/KG)	04.04	11/12	8.5E-02	5.3E+00 *	1.7E-01	2.2E-02	2.0E-01
	18	3/3	2.5E-01	3.1E-01	2.8E-01	1.9E-02	3.3E-01
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	1/5	4.7E-02	2.7E-01 *	4.7E-02		
	01	0/2	5.9E-01	1.2E+00 *			
	08	1/1	5.4E-02	5.4E-02	5.4E-02		
	07.01	1/1	5.0E-02	5.0E-02	5.0E-02		
	07.02	1/1	6.0E-02	6.0E-02	6.0E-02		
	02.01	0/1	2.1E-01	2.1E-01 *			
Benzo(ghi)perylene (MG/KG)	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	3/8	1.8E-02	5.0E-01 *	4.2E-02	1.3E-02	6.6E-02
	13	4/5	7.0E-02	2.3E-01 *	1.1E-01	2.8E-02	1.7E-01
	03.01	1/2	9.4E-02	2.0E-01 *	9.4E-02		
	03.02	6/9	5.3E-02	4.9E-01 *	1.2E-01	2.4E-02	1.7E-01
	03.03	9/9	3.9E-02	4.8E-01	1.1E-01	4.6E-02	2.0E-01
	03.04	4/7	6.7E-02	5.3E-01 *	9.9E-02	1.1E-02	1.2E-01
	04.01	3/10	3.1E-02	4.9E-01 *	5.2E-02	1.1E-02	7.2E-02
Benzo(k)fluoranthene (MG/KG)	04.02	4/5	2.3E-02	2.0E-01 *	4.6E-02	1.3E-02	7.3E-02
	04.03	7/7	3.3E-02	8.7E-02	4.9E-02	7.0E-03	6.3E-02
	06	0/0					
	04.04	5/12	5.9E-02	5.3E+00 *	9.1E-02	1.4E-02	1.2E-01
	18	0/3	9.8E-01	1.3E+00 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	2/5	1.8E-02	2.3E-01 *	2.5E-02	6.5E-03	3.8E-02
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Benzo(k)fluoranthene (MG/KG)	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	1/8	2.0E-02	5.0E-01 *	2.0E-02		
	13	2/5	2.3E-02	1.2E+00 *	3.1E-02	7.5E-03	4.6E-02
	03.01-	0/2	2.0E-01	2.6E-01 *			
	03.02	7/9	2.1E-02	4.9E-01 *	8.1E-02	2.9E-02	1.4E-01
	03.03	9/9	2.7E-02	4.2E-01	9.4E-02	4.1E-02	1.7E-01
	03.04	3/7	2.5E-02	5.3E-01 *	3.4E-02	4.8E-03	4.3E-02
	04.01	1/10	1.9E-02	4.9E-01 *	1.9E-02		
	04.02	2/5	4.5E-02	2.1E-01 *	4.7E-02	1.5E-03	5.0E-02
	04.03	7/7	1.9E-02	4.3E-02	2.7E-02	3.1E-03	3.2E-02
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	7.4E-01	1.3E+00 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	2.3E+01	2.3E+01 *			
	00	0/5	5.0E-01	6.9E-01 *			
Benzoic acid (MG/KG)	01	0/2	2.8E+00	5.9E+00 *			
	08	0/1	1.0E+00	1.0E+00 *			
	07.01	0/1	1.1E+00	1.1E+00 *			
	07.02	0/1	1.1E+00	1.1E+00 *			
	02.01	0/1	5.0E-01	5.0E-01 *			
	22	0/1	1.6E+01	1.6E+01 *			
	02.02	0/1	2.1E+00	2.1E+00 *			
	02.03	0/1	5.4E-01	5.4E-01 *			
	02.04	0/8	4.9E-01	2.4E+00			
	13	2/5	6.8E-02	2.8E+00 *	9.4E-02	2.6E-02	1.5E-01
	03.01	0/2	5.0E-01	6.3E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Benzoic acid (MG/KG)	03.02	0/9	5.6E-01	2.4E+00 *			
	03.03	1/9	4.8E-01	7.4E-01 *	4.8E-01		
	03.04	0/7	5.2E-01	2.6E+00 *			
	04.01	0/10	4.9E-01	2.4E+00 *			
	04.02	0/5	4.9E-01	6.8E-01 *			
	04.03	0/7	5.3E-01	7.4E-01 *			
	06	0/0					
	04.04	0/12	2.4E+00	2.6E+01 *			
	18	0/3	8.1E-01	2.4E+00 *			
	05	0/4	4.1E+00	3.0E+01 *			
Beryllium (MG/KG)	10	1/1	1.3E+00	1.3E+00	1.3E+00		
	00	5/5	1.6E-01	5.7E-01	4.6E-01	7.7E-02	6.3E-01
	01	2/2	4.7E-01	9.3E-01	7.0E-01	2.3E-01	2.1E+00
	08	1/1	1.1E+00	1.1E+00	1.1E+00		
	07.01	1/1	1.4E+00	1.4E+00	1.4E+00		
	07.02	9/9	7.5E-01	1.5E+00	1.0E+00	8.4E-02	1.2E+00
	02.01	1/1	4.0E-01	4.0E-01	4.0E-01		
	22	1/1	2.7E+00	2.7E+00	2.7E+00		
	02.02	0/1	2.3E-01	2.3E-01 *			
	02.03	1/1	6.8E-01	6.8E-01	6.8E-01		
	02.04	8/8	3.5E-01	1.3E+00	7.1E-01	9.9E-02	9.0E-01
	13	5/5	4.5E-01	7.9E-01	6.4E-01	6.0E-02	7.7E-01
	03.01	2/2	6.6E-01	7.0E-01	6.8E-01	2.0E-02	8.1E-01
	03.02	9/9	3.3E-01	1.0E+00	6.8E-01	6.7E-02	8.1E-01
	03.03	9/9	3.1E-01	9.3E-01	6.5E-01	6.3E-02	7.7E-01
	03.04	7/7	3.3E-01	1.3E+00	8.4E-01	1.2E-01	1.1E+00
	04.01	10/10	2.5E-01	1.0E+00	4.9E-01	6.8E-02	6.1E-01
	04.02	6/6	3.1E-01	7.8E-01	5.4E-01	7.8E-02	7.0E-01
	04.03	7/7	4.2E-01	1.1E+00	6.9E-01	7.7E-02	8.4E-01
	06	0/0					
	04.04	12/12	7.3E-01	1.5E+00	1.0E+00	5.9E-02	1.1E+00

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Beryllium (MG/KG)	18	3/3	5.4E-01	7.7E-01	6.8E-01	7.1E-02	8.9E-01
	05	4/4	1.2E+00	1.8E+00	1.4E+00	1.4E-01	1.7E+00
	10	4/7	3.3E-06	9.6E-06 *	5.2E-06	6.7E-07	6.5E-06
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	0/0					
Beryllium-7 (PCI/G)	02.02	11/50	2.4E-07	4.3E-06 *	6.3E-07	1.0E-07	8.0E-07
	02.03	20/51	3.7E-07	7.4E-06	1.4E-06	2.0E-07	1.8E-06
	02.04	6/27	3.2E-08	1.1E-05	4.9E-07	4.4E-07	1.2E-06
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	21/36	3.4E-08	1.6E-05 *	1.6E-06	3.1E-07	2.1E-06
	04.02	3/15	1.2E-06	8.9E-06 *	1.8E-06	5.0E-07	2.7E-06
Bis(2-ethylhexyl)phthalate (MG/KG)	04.03	2/6	3.2E-06	8.1E-06 *	3.5E-06	3.8E-07	4.3E-06
	06	0/0					
	04.04	0/0					
	18	0/0					
	05	101/260	3.7E-09	6.3E-06 *	2.6E-07	4.8E-08	3.4E-07
	10	0/1	4.7E+00	4.7E+00 *			
	00	0/5	2.0E-01	2.9E-01 *			
	01	0/2	1.2E+00	1.4E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Bis(2-ethylhexyl)phthalate (MG/KG)	02.01	1/1	2.0E-02	2.0E-02	2.0E-02		
	22	1/1	1.5E+00	1.5E+00	1.5E+00		
	02.02	1/1	3.0E-01	3.0E-01	3.0E-01		
	02.03	1/1	3.9E-02	3.9E-02	3.9E-02		
	02.04	4/8	3.7E-02	5.1E-01	1.1E-01	6.3E-02	2.3E-01
	13	5/5	2.7E-02	2.7E-01	1.0E-01	4.3E-02	1.9E-01
	03.01	2/2	2.4E-02	3.0E-02	2.7E-02	3.0E-03	4.6E-02
	03.02	4/9	2.4E-02	1.6E+00 *	1.9E-01	8.2E-02	3.4E-01
	03.03	4/9	1.5E-01	3.1E-01 *	1.8E-01	1.6E-02	2.1E-01
	03.04	4/7	3.6E-02	3.3E+00	5.2E-01	4.9E-01	1.5E+00
	04.01	9/10	1.7E-02	4.9E-01 *	5.6E-02	1.3E-02	8.0E-02
	04.02	3/5	5.5E-02	2.8E-01 *	6.9E-02	1.3E-02	9.7E-02
	04.03	7/7	5.5E-02	1.9E-01	1.2E-01	1.8E-02	1.5E-01
	06	0/0					
	04.04	8/12	9.5E-02	3.3E+00 *	1.2E-01	8.5E-03	1.3E-01
	18	0/3	9.8E-01	1.3E+00 *			
	05	3/4	1.0E+00	4.5E+00	2.8E+00	6.3E-01	4.3E+00
	10	0/0					
	00	3/5	1.2E+00	2.6E+00	1.6E+00	3.2E-01	2.3E+00
	01	0/0					
Boron (MG/KG)	08	1/1	4.2E+00	4.2E+00	4.2E+00		
	07.01	1/1	7.2E+00	7.2E+00	7.2E+00		
	07.02	1/1	5.7E+00	5.7E+00	5.7E+00		
	02.01	0/1	3.7E+00	3.7E+00 *			
	22	0/0					
	02.02	0/0					
	02.03	0/1	4.2E+00	4.2E+00 *			
	02.04	7/7	2.3E+00	4.9E+00	3.7E+00	3.9E-01	4.5E+00
	13	5/5	1.5E+00	1.3E+01	8.8E+00	2.0E+00	1.3E+01
	03.01	1/2	1.2E+00	3.8E+00	3.8E+00		
	03.02	6/8	8.9E-01	1.6E+01	5.5E+00	1.7E+00	8.7E+00

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Boron (MG/KG)	03.03	5/9	9.0E-01	1.1E+01	4.2E+00	1.1E+00	6.2E+00
	03.04	6/6	8.4E+00	2.0E+01	1.2E+01	1.8E+00	1.6E+01
	04.01	8/9	1.4E+00	4.8E+00	3.4E+00	3.3E-01	4.0E+00
	04.02	6/6	1.2E+00	5.1E+00	2.5E+00	6.2E-01	3.7E+00
	04.03	7/7	2.3E+00	4.2E+00	3.2E+00	2.7E-01	3.8E+00
	06	0/0					
	04.04	11/11	3.8E+00	8.0E+00	5.4E+00	3.9E-01	6.1E+00
	18	3/3	3.6E+00	6.5E+00	4.8E+00	8.9E-01	7.4E+00
	05	0/0					
	10	0/1	4.8E+00	4.8E+00 *			
Butylbenzylphthalate (MG/KG)	00	1/5	3.3E-02	2.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *	3.3E-02		
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	0/5	2.2E-01	1.2E+00 *			
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	4/9	1.6E-02	4.9E-01 *	3.4E-02	1.0E-02	5.2E-02
	03.03	1/9	1.6E-02	3.1E-01 *	1.6E-02		
	03.04	2/7	1.6E-01	5.3E-01 *	1.6E-01	2.0E-03	1.7E-01
	04.01	2/10	2.3E-02	4.9E-01 *	2.3E-02	0.0E+00	2.3E-02
	04.02	1/5	5.6E-02	2.8E-01 *	5.6E-02		
	04.03	3/7	2.5E-02	2.8E-01 *	3.3E-02	4.2E-03	4.1E-02
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Butylbenzylphthalate (MG/KG) Cadmium (MG/KG)	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	5.7E-01 *	5.7E-01 *			
	00	5/5	1.5E-01	2.9E-01	2.5E-01	2.5E-02	3.0E-01
	01	2/2	5.9E-01	8.1E-01	7.0E-01	1.1E-01	1.4E+00
	08	1/1	2.8E-01	2.8E-01	2.8E-01		
	07.01	1/1	5.0E-01	5.0E-01	5.0E-01		
	07.02	2/9	3.1E-01	9.4E-01	4.2E-01	8.5E-02	5.8E-01
	02.01	1/1	1.1E-01	1.1E-01	1.1E-01		
	22	1/1	3.5E+00	3.5E+00	3.5E+00		
	02.02	0/1	3.0E-01	3.0E-01 *			
	02.03	1/1	1.9E-01	1.9E-01	1.9E-01		
	02.04	8/8	7.0E-02	5.1E-01	3.0E-01	5.4E-02	4.1E-01
	13	5/5	8.0E-02	4.3E-01	2.5E-01	7.0E-02	4.0E-01
	03.01	2/2	1.3E-01	2.1E+00	1.1E+00	9.9E-01	7.3E+00
	03.02	9/9	2.5E-01	5.3E+00	1.6E+00	5.3E-01	2.5E+00
	03.03	9/9	3.9E-01	3.5E+00	1.5E+00	3.6E-01	2.1E+00
	03.04	7/7	1.2E-01	5.6E+00	1.7E+00	7.0E-01	3.0E+00
	04.01	10/10	1.3E-01	5.5E-01	3.0E-01	4.6E-02	3.8E-01
	04.02	6/6	1.5E-01	5.1E-01	2.4E-01	5.8E-02	3.6E-01
	04.03	7/7	2.6E-01	5.6E-01	4.2E-01	4.4E-02	5.0E-01
	06	0/0					
Calcium (MG/KG)	04.04	12/12	3.3E-01	1.3E+00	5.1E-01	7.3E-02	6.4E-01
	18	3/3	3.7E-01	4.5E-01	4.2E-01	2.7E-02	5.0E-01
	05	4/4	1.0E+00	7.0E+00	2.7E+00	1.5E+00	6.1E+00
	10	0/0					
	00	5/5	1.0E+03	5.3E+03	2.9E+03	7.3E+02	4.4E+03
	01	0/0					
	08	1/1	6.0E+03	6.0E+03	6.0E+03		
	07.01	1/1	9.6E+03	9.6E+03	9.6E+03		
	07.02	1/1	8.4E+03	8.4E+03	8.4E+03		
	02.01	1/1	9.3E+02	9.3E+02	9.3E+02		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Carbazole (MG/KG)	03.04	3/6	2.5E-02	2.7E-01 *	5.8E-02	3.3E-02	1.2E-01
	04.01	1/9	1.2E-01	4.5E-01 *	1.2E-01		
	04.02	1/5	1.6E-02	2.8E-01 *	1.6E-02		
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/11	1.0E+00	1.3E+00 *			
	18	0/3	7.4E-01	1.3E+00 *			
	05	0/0					
	10	9/9	6.0E-02	4.1E-01	1.7E-01	3.4E-02	2.4E-01
	00	3/5	1.2E-01	2.5E-01	1.7E-01	3.2E-02	2.4E-01
Cesium-137 (PCI/G)	01	27/27	4.5E-02	1.8E+00	4.6E-01	8.8E-02	6.1E-01
	08	1/1	2.8E-01	2.8E-01	2.8E-01		
	07.01	1/1	3.8E-01	3.8E-01	3.8E-01		
	07.02	9/10	2.7E-02	4.4E-01	2.9E-01	3.0E-02	3.4E-01
	02.01	0/1	9.9E-02	9.9E-02 *			
	22	7/7	6.3E-02	2.2E+04	3.2E+03	3.2E+03	9.4E+03
	02.02	52/52	5.4E-02	2.9E+01	1.8E+00	5.9E-01	2.8E+00
	02.03	79/80	1.1E-01	3.1E+01	2.1E+00	4.6E-01	2.9E+00
	02.04	49/49	2.4E-01	5.2E+01	4.3E+00	1.2E+00	6.4E+00
	13	1/5	1.2E-01	3.7E-01	3.7E-01		
	03.01	0/2	1.2E-01	2.1E-01 *			
	03.02	9/10	1.3E-01	1.8E+00	5.8E-01	1.6E-01	8.7E-01
	03.03	8/9	1.1E-01	3.1E+00	1.0E+00	3.6E-01	1.7E+00
	03.04	9/9	3.2E-01	1.8E+01	5.8E+00	2.0E+00	9.6E+00
	04.01	62/62	1.6E-01	2.8E+01	3.7E+00	6.3E-01	4.7E+00
	04.02	31/31	1.7E-01	7.4E+00	3.1E+00	4.9E-01	3.9E+00
	04.03	55/55	2.1E-01	2.9E+01	3.0E+00	6.0E-01	4.0E+00
	06	31/31	4.8E-03	6.2E+00	9.3E-01	2.6E-01	1.4E+00
	04.04	37/37	2.8E-01	9.1E+00	3.7E+00	4.2E-01	4.4E+00
	18	24/26	2.5E-02	4.6E-01	1.4E-01	2.4E-02	1.8E-01

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Cesium-137 (PCI/G) Chromium (MG/KG)	05	497/503	1.3E-02	9.3E+00	5.0E-01	3.5E-02	5.6E-01
	10	1/1	2.6E+01	2.6E+01	2.6E+01		
	00	5/5	1.0E+01	1.3E+01	1.1E+01	5.0E-01	1.2E+01
	01	2/2	8.8E+00	1.6E+01	1.3E+01	3.7E+00	3.6E+01
	08	1/1	2.1E+01	2.1E+01	2.1E+01		
	07.01	1/1	2.5E+01	2.5E+01	2.5E+01		
	07.02	9/9	1.9E+01	5.9E+01	2.9E+01	4.5E+00	3.8E+01
	02.01	1/1	7.8E+00	7.8E+00	7.8E+00		
	22	1/1	9.8E+01	9.8E+01	9.8E+01		
	02.02	1/1	6.9E+00	6.9E+00	6.9E+00		
	02.03	1/1	1.3E+01	1.3E+01	1.3E+01		
	02.04	8/8	1.2E+01	2.1E+01	1.5E+01	9.8E-01	1.7E+01
	13	5/5	1.1E+01	1.7E+01	1.4E+01	1.1E+00	1.7E+01
	03.01	2/2	1.2E+01	2.1E+01	1.6E+01	4.3E+00	4.3E+01
	03.02	9/9	1.8E+01	2.3E+02	5.2E+01	2.3E+01	9.5E+01
	03.03	9/9	1.5E+01	1.2E+02	4.1E+01	1.1E+01	6.2E+01
	03.04	7/7	1.3E+01	5.6E+01	3.0E+01	6.2E+00	4.1E+01
	04.01	10/10	8.5E+00	2.1E+01	1.5E+01	1.4E+00	1.8E+01
	04.02	6/6	1.1E+01	1.9E+01	1.5E+01	1.3E+00	1.8E+01
	04.03	7/7	2.0E+01	5.1E+01	3.1E+01	4.2E+00	3.9E+01
	06	0/0					
Chrysene (MG/KG)	04.04	12/12	1.1E+01	3.1E+01	1.9E+01	1.8E+00	2.2E+01
	18	3/3	1.3E+01	1.8E+01	1.6E+01	1.4E+00	2.0E+01
	05	4/4	2.6E+01	3.2E+01	2.9E+01	1.3E+00	3.3E+01
	10	0/1	4.8E+00	4.8E+00 *			
	00	4/5	1.7E-02	2.0E-01 *	7.0E-02	2.9E-02	1.3E-01
	01	0/2	5.9E-01	1.2E+00 *			
	08	1/1	4.1E-02	4.1E-02	4.1E-02		
	07.01	1/1	3.3E-02	3.3E-02	3.3E-02		
	07.02	1/1	4.8E-02	4.8E-02	4.8E-02		
	02.01	0/1	2.1E-01	2.1E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Chrysene (MG/KG)	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	6/8	1.7E-02	5.0E-01 *	5.3E-02	1.4E-02	8.0E-02
	13	4/5	7.3E-02	5.5E-01	2.0E-01	9.3E-02	4.0E-01
	03.01	2/2	1.3E-02	8.8E-02	5.1E-02	3.8E-02	2.9E-01
	03.02	7/9	7.9E-02	4.9E-01 *	2.0E-01	4.3E-02	2.8E-01
	03.03	9/9	7.8E-02	7.3E-01	2.2E-01	6.5E-02	3.5E-01
	03.04	5/7	2.4E-02	5.3E-01 *	1.2E-01	2.9E-02	1.8E-01
	04.01	6/10	1.5E-02	4.9E-01 *	5.2E-02	1.0E-02	7.1E-02
	04.02	4/5	2.9E-02	2.0E-01 *	9.0E-02	3.0E-02	1.5E-01
	04.03	7/7	5.7E-02	1.2E-01	7.2E-02	8.1E-03	8.8E-02
	06	0/0					
	04.04	8/12	8.3E-02	5.3E+00 *	1.2E-01	1.4E-02	1.5E-01
	18	3/3	1.8E-01	2.3E-01	2.0E-01	1.6E-02	2.5E-01
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/0					
	00	5/5	3.7E+00	1.8E+01	9.9E+00	2.3E+00	1.5E+01
	01	0/0					
	08	1/1	1.5E+01	1.5E+01	1.5E+01		
Cobalt (MG/KG)	07.01	1/1	1.4E+01	1.4E+01	1.4E+01		
	07.02	1/1	1.6E+01	1.6E+01	1.6E+01		
	02.01	1/1	4.9E+00	4.9E+00	4.9E+00		
	22	0/0					
	02.02	0/0					
	02.03	1/1	7.9E+00	7.9E+00	7.9E+00		
	02.04	7/7	8.3E+00	1.6E+01	1.2E+01	1.3E+00	1.4E+01
	13	5/5	9.0E+00	1.9E+01	1.4E+01	1.8E+00	1.8E+01
	03.01	2/2	1.1E+01	2.0E+01	1.6E+01	4.3E+00	4.3E+01
	03.02	8/8	1.1E+01	2.1E+01	1.7E+01	1.3E+00	1.9E+01
	03.03	9/9	9.9E+00	2.4E+01	1.5E+01	1.3E+00	1.8E+01

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Cobalt (MG/KG)	03.04	6/6	9.3E+00	1.9E+01	1.4E+01	1.7E+00	1.7E+01
	04.01	9/9	5.4E+00	1.1E+01	7.9E+00	7.3E-01	9.2E+00
	04.02	6/6	7.8E+00	1.1E+01	9.2E+00	4.9E-01	1.0E+01
	04.03	7/7	6.6E+00	1.8E+01	1.3E+01	1.4E+00	1.6E+01
	06	0/0					
	04.04	11/11	9.8E+00	2.9E+01	1.7E+01	1.6E+00	2.0E+01
	18	3/3	7.7E+00	1.1E+01	9.5E+00	9.2E-01	1.2E+01
	05	0/0					
	10	0/9	4.8E-03	1.0E-01			
	00	0/5	1.2E-01	1.7E-01 *			
Cobalt-60 (PCI/G)	01	25/27	1.3E-02	5.1E+00	1.3E+00	3.3E-01	1.8E+00
	08	0/1	2.3E-01	2.3E-01 *			
	07.01	0/1	3.6E-01	3.6E-01 *			
	07.02	7/10	1.7E-02	2.9E-01	3.5E-02	6.3E-03	4.7E-02
	02.01	0/1	1.1E-01	1.1E-01 *			
	22	7/7	1.0E-02	8.9E+01	1.3E+01	1.3E+01	3.7E+01
	02.02	33/52	1.3E-02	3.8E-01	5.6E-02	9.1E-03	7.2E-02
	02.03	63/80	1.0E-02	1.5E-01	4.9E-02	4.1E-03	5.6E-02
	02.04	41/49	2.0E-02	2.2E-01 *	7.5E-02	6.4E-03	8.6E-02
	13	0/5	1.2E-01	1.6E-01 *			
	03.01	0/2	1.3E-01	1.9E-01 *			
	03.02	2/10	6.8E-03	1.6E-01 *	2.3E-02	1.6E-02	5.3E-02
	03.03	0/9	5.8E-02	1.6E-01 *			
	03.04	3/9	4.1E-02	1.9E-01	5.4E-02	9.1E-03	7.1E-02
	04.01	53/63	1.5E-02	2.1E-01	7.0E-02	5.8E-03	7.9E-02
	04.02	25/32	2.0E-02	2.4E-01	1.0E-01	1.1E-02	1.2E-01
	04.03	51/55	1.3E-02	3.8E-01	9.3E-02	1.2E-02	1.1E-01
	06	15/30	7.9E-04	1.5E-01	2.5E-02	7.3E-03	3.7E-02
	04.04	30/37	1.3E-02	3.3E-01	1.1E-01	1.5E-02	1.3E-01
	18	1/26	2.7E-03	1.7E-01	2.1E-02		
	05	174/503	1.5E-03	1.6E-01	1.5E-02	1.1E-03	1.7E-02

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Copper (MG/KG)	10	1/1	4.5E+01	4.5E+01	4.5E+01		
	00	5/5	2.4E+00	1.0E+01	7.5E+00	1.5E+00	1.1E+01
	01	2/2	3.4E+01	3.5E+01	3.4E+01	3.3E-01	3.7E+01
	08	1/1	2.3E+01	2.3E+01	2.3E+01		
	07.01	1/1	2.6E+01	2.6E+01	2.6E+01		
	07.02	9/9	1.5E+01	4.3E+01	2.8E+01	3.5E+00	3.4E+01
	02.01	1/1	4.2E+00	4.2E+00	4.2E+00		
	22	1/1	4.1E+01	4.1E+01	4.1E+01		
	02.02	1/1	9.1E+00	9.1E+00	9.1E+00		
	02.03	1/1	7.7E+00	7.7E+00	7.7E+00		
	02.04	8/8	2.8E+00	1.2E+01	9.4E+00	1.2E+00	1.2E+01
	13	5/5	8.0E+00	1.5E+01	1.1E+01	1.2E+00	1.4E+01
	03.01	2/2	6.3E+00	2.6E+01	1.6E+01	1.0E+01	8.0E+01
	03.02	9/9	1.3E+01	1.4E+02	4.5E+01	1.5E+01	7.3E+01
	03.03	9/9	8.8E+00	5.9E+01	2.8E+01	6.1E+00	4.0E+01
	03.04	7/7	5.5E+00	9.0E+01	3.7E+01	1.1E+01	5.8E+01
	04.01	10/10	4.0E+00	1.8E+01	8.7E+00	1.3E+00	1.1E+01
	04.02	6/6	4.4E+00	1.7E+01	8.9E+00	1.8E+00	1.3E+01
	04.03	7/7	1.4E+01	3.9E+01	2.5E+01	3.4E+00	3.2E+01
	06	0/0					
	04.04	12/12	1.9E+01	6.1E+01	3.5E+01	4.1E+00	4.2E+01
	18	3/3	1.2E+01	2.0E+01	1.6E+01	2.5E+00	2.3E+01
	05	4/4	2.9E+01	4.3E+01	3.7E+01	3.4E+00	4.5E+01
Curium-243/244 (PCI/G)	10	1/1	1.1E-02	1.1E-02	1.1E-02		
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	1/1	1.3E-03	1.3E-03	1.3E-03		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Curium-243/244 (PCI/G)	02.02	1/1	1.1E-02	1.1E-02	1.1E-02		
	02.03	0/0					
	02.04	1/1	1.5E-02	1.5E-02	1.5E-02		
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	1/1	1.1E-02	1.1E-02	1.1E-02		
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	1/1	3.4E-02	3.4E-02	3.4E-02		
	18	0/0					
	05	2/2	2.0E-02	2.2E-02	2.1E-02	1.1E-03	2.8E-02
	10	1/1	1.8E-02	1.8E-02	1.8E-02		
	00	0/0					
	01	0/0					
	08	0/0					
Curium-245/246 (PCI/G)	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	0/0					
	02.02	0/0					
	02.03	0/0					
	02.04	1/1	1.6E-02	1.6E-02	1.6E-02		
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	1/1	1.2E-02	1.2E-02	1.2E-02		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Curium-245/246 (PCI/G)	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	1/1	1.9E-02	1.9E-02	1.9E-02		
	18	0/0					
	05	2/2	2.0E-02	6.2E-02	4.1E-02	2.1E-02	1.8E-01
	10	1/1	1.2E-02	1.2E-02	1.2E-02		
	00	0/0					
	01	0/0					
Curium-248 (PCI/G)	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	1/1	1.8E-02	1.8E-02	1.8E-02		
	02.02	0/0					
	02.03	0/0					
	02.04	1/1	2.2E-02	2.2E-02	2.2E-02		
	13	0/0					
	03.01	0/0					
Di-n-butylphthalate (MG/KG)	03.02	0/0					
	03.03	0/0					
	03.04	1/1	2.6E-02	2.6E-02	2.6E-02		
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	1/1	1.8E-02	1.8E-02	1.8E-02		
	18	0/0					
	05	2/2	1.2E-02	6.2E-02	3.7E-02	2.5E-02	2.0E-01
	10	0/1	4.8E+00 *	4.8E+00 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Di-n-butylphthalate (MG/KG)	00	0/5	2.7E-01	3.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	5.3E-01	5.3E-01 *			
	07.01	0/1	6.5E-01	6.5E-01 *			
	07.02	0/1	5.7E-01	5.7E-01 *			
	02.01	0/1	3.6E-01	3.6E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	6.0E-01	6.0E-01 *			
	02.04	2/8	2.0E-01	5.0E-01 *	3.4E-01	1.9E-02	3.8E-01
	13	0/5	2.5E-01	1.2E+00 *			
	03.01	1/2	4.1E-02	3.9E-01 *	4.1E-02		
	03.02	0/9	2.5E-01	7.3E-01 *			
	03.03	0/9	2.3E-01	6.4E-01 *			
	03.04	0/7	2.2E-01	6.3E-01 *			
	04.01	0/10	2.2E-01	4.9E-01 *			
	04.02	0/5	2.1E-01	5.9E-01 *			
	04.03	0/7	3.5E-01	6.4E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	9.8E-01	1.3E+00 *			
	05	0/4	8.4E-01	6.1E+00 *			
Di-n-octylphthalate (MG/KG)	10	0/1	4.8E+00	4.8E+00 *			
	00	0/5	2.0E-01	2.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Di-n-octylphthlate (MG/KG)	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	0/5	2.2E-01	1.2E+00 *			
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	0/9	2.3E-01	4.9E-01 *			
	03.03	1/9	5.7E-02	3.1E-01 *	5.7E-02		
	03.04	0/7	2.1E-01	5.3E-01 *			
	04.01	0/10	2.0E-01	4.9E-01 *			
	04.02	0/5	2.0E-01	2.8E-01 *			
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	0/5	2.0E-01	2.8E-01 *			
Dibenz(a,h)anthracene (MG/KG)	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	1/5	2.3E-02	1.2E+00 *	2.3E-02		
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	3/9	2.9E-02	4.9E-01 *	3.9E-02	8.0E-03	5.4E-02
	03.03	7/9	2.1E-02	2.4E-01 *	4.0E-02	1.4E-02	6.5E-02
	03.04	3/7	2.2E-02	5.3E-01 *	5.9E-02	3.4E-02	1.3E-01
	04.01	1/10	1.1E-01	4.9E-01 *	1.1E-01		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Dibenz(a,h)anthracene (MG/KG)	04.02	2/5	1.8E-02	2.1E-01 *	1.9E-02	1.0E-03	2.1E-02
	04.03	2/7	1.4E-02	2.8E-01 *	1.9E-02	5.0E-03	2.9E-02
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	9.8E-01	1.3E+00 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	2/5	1.3E-01	2.3E-01 *	1.4E-01	1.0E-02	1.6E-01
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
Dibenzofuran (MG/KG)	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	2/8	2.1E-02	5.0E-01	6.1E-02	4.0E-02	1.4E-01
	13	4/5	5.3E-02	2.0E+00	4.5E-01	4.0E-01	1.3E+00
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	7/9	2.2E-02	4.9E-01 *	6.0E-02	1.5E-02	8.8E-02
Diethylphthalate (MG/KG)	03.03	8/9	1.7E-02	2.3E-01 *	6.2E-02	1.9E-02	9.6E-02
	03.04	4/7	3.0E-02	5.3E-01 *	6.9E-02	2.6E-02	1.2E-01
	04.01	3/10	1.4E-02	4.9E-01 *	4.9E-02	3.4E-02	1.1E-01
	04.02	2/5	1.6E-02	2.8E-01 *	3.8E-02	2.2E-02	8.3E-02
	04.03	6/7	2.4E-02	2.2E-01 *	5.2E-02	2.0E-02	9.2E-02
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	1/5	1.0E-01	2.8E-01 *	1.0E-01		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Diethylphthalate (MG/KG)	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	1/1	3.0E+00	3.0E+00	3.0E+00		
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	1/1	4.0E-02	4.0E-02	4.0E-02		
	02.04	1/8	3.4E-02	5.0E-01 *	3.4E-02		
	13	0/5	2.2E-01	1.2E+00 *			
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	0/9	2.3E-01	4.9E-01 *			
	03.03	1/9	1.4E-01	3.1E-01 *	1.4E-01		
	03.04	2/7	1.4E-01	5.3E-01 *	1.6E-01	2.4E-02	2.1E-01
	04.01	1/10	3.7E-02	4.9E-01 *	3.7E-02		
	04.02	1/5	3.4E-02	2.8E-01 *	3.4E-02		
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
Europium-152 (PCI/G)	05	0/4	8.4E-01	6.1E+00 *			
	10	0/7	3.9E-02	1.5E-01 *			
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	0/0					
	02.02	0/50	6.1E-02	1.8E-01 *			
	02.03	1/51	4.2E-02	2.0E-01 *	5.0E-02		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Europium-152 (PCI/G)	02.04	0/27	2.8E-02	1.8E-01 *			
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/36	1.6E-02	2.3E-01 *			
	04.02	0/15	8.8E-02	2.7E-01 *			
	04.03	0/6	1.3E-01	2.9E-01 *			
	06	0/0					
	04.04	0/0					
	18	0/0					
	05	0/260	2.5E-02	3.1E-01 *			
	10	0/1	4.8E+00	4.8E+00 *			
Fluoranthene (MG/KG)	00	3/5	2.1E-02	2.0E-01 *	7.2E-02	2.7E-02	1.3E-01
	01	0/2	5.9E-01	1.2E+00 *			
	08	1/1	4.9E-02	4.9E-02	4.9E-02		
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	7/8	2.3E-02	5.0E-01	1.2E-01	5.6E-02	2.3E-01
	13	4/5	8.2E-02	2.7E-01	1.6E-01	3.8E-02	2.4E-01
	03.01	2/2	2.5E-02	1.4E-01	8.3E-02	5.8E-02	4.5E-01
	03.02	8/9	8.3E-02	7.1E-01	3.9E-01	8.0E-02	5.4E-01
	03.03	9/9	1.1E-01	1.4E+00	4.0E-01	1.3E-01	6.5E-01
	03.04	7/7	2.7E-02	2.7E-01	1.7E-01	3.2E-02	2.3E-01
	04.01	7/10	2.4E-02	4.9E-01 *	8.8E-02	2.2E-02	1.3E-01

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Fluoranthene (MG/KG)	04.02	4/5	3.8E-02	2.6E-01	1.3E-01	4.8E-02	2.3E-01
	04.03	7/7	6.7E-02	1.4E-01	9.8E-02	8.2E-03	1.1E-01
	06	0/0					
	04.04	11/12	1.0E-01	5.3E+00 *	1.6E-01	1.1E-02	1.8E-01
	18	3/3	3.1E-01	4.1E-01	3.6E-01	2.9E-02	4.5E-01
	05	0/4	8.4E-01	6.1E+00 *			
Fluorene (MG/KG)	10	0/1	4.8E+00	4.8E+00 *			
	00	2/5	4.1E-02	2.3E-01 *	4.1E-02	0.0E+00	4.1E-02
	01	0/2	5.9E-01	1.2E+00 *			
	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	2/5	1.9E-02	2.7E-01 *	7.9E-02	7.4E-02	2.4E-01
	03.01	0/2	2.0E-01	2.6E-01 *			
	03.02	4/9	2.5E-02	4.9E-01 *	6.0E-02	1.5E-02	8.7E-02
Heptachlor (MG/KG)	03.03	6/9	3.7E-02	2.4E-01 *	7.0E-02	1.9E-02	1.1E-01
	03.04	4/7	2.4E-02	5.3E-01 *	7.9E-02	3.0E-02	1.4E-01
	04.01	0/10	2.0E-01	4.9E-01 *			
	04.02	1/5	1.8E-02	2.8E-01 *	1.8E-02		
	04.03	1/7	2.7E-02	2.8E-01 *	2.7E-02		
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/0					
	00	0/5	4.2E-04	5.8E-04 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Heptachlor (MG/KG)	01	0/2	1.4E-01	3.0E-01 *			
	08	0/1	8.7E-04	8.7E-04 *			
	07.01	0/1	9.4E-04	9.4E-04 *			
	07.02	0/1	9.4E-04	9.4E-04 *			
	02.01	0/1	4.3E-04	4.3E-04 *			
	22	0/1	9.4E-02	9.4E-02 *			
	02.02	0/1	5.8E-02	5.8E-02 *			
	02.03	1/1	2.7E-04	2.7E-04	2.7E-04		
	02.04	0/8	4.2E-04	1.5E-01			
	13	0/5	4.6E-04	5.6E-04 *			
	03.01	1/2	2.7E-04	5.4E-04 *	2.7E-04		
	03.02	0/9	4.8E-04	1.2E-01 *			
	03.03	0/9	4.8E-04	2.5E-03 *			
	03.04	0/7	4.4E-04	2.9E-01 *			
	04.01	5/10	4.1E-04	1.2E-01 *	7.2E-04	6.8E-05	8.4E-04
	04.02	0/5	4.2E-04	5.7E-04 *			
	04.03	0/7	4.6E-04	6.3E-04 *			
	06	0/0					
	04.04	0/12	6.1E-04	5.5E-01 *			
	18	0/2	5.1E-04	6.0E-04 *			
Indeno(1,2,3-cd)pyrene (MG/KG)	05	0/2	1.6E-01	5.2E-01 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	1/5	3.0E-02	2.7E-01 *	3.0E-02		
	01	0/2	5.9E-01	1.2E+00 *			
	08	1/1	6.5E-02	6.5E-02	6.5E-02		
	07.01	1/1	4.1E-02	4.1E-02	4.1E-02		
	07.02	1/1	5.1E-02	5.1E-02	5.1E-02		
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Indeno(1,2,3-cd)pyrene (MG/KG)	02.04	3/8	1.7E-02	5.0E-01 *	4.4E-02	1.6E-02	7.4E-02
	13	4/5	6.1E-02	2.3E-01 *	9.0E-02	1.6E-02	1.2E-01
	03.01	1/2	8.9E-02	2.0E-01 *	8.9E-02		
	03.02	5/9	1.0E-01	4.9E-01 *	1.5E-01	2.3E-02	1.9E-01
	03.03	9/9	4.4E-02	5.6E-01	1.3E-01	5.4E-02	2.3E-01
	03.04	4/7	6.8E-02	5.3E-01 *	8.7E-02	7.1E-03	1.0E-01
	04.01	3/10	4.0E-02	4.9E-01 *	6.3E-02	1.2E-02	8.5E-02
	04.02	4/5	2.2E-02	2.0E-01 *	5.4E-02	1.7E-02	9.1E-02
	04.03	7/7	3.1E-02	8.2E-02	4.9E-02	6.6E-03	6.2E-02
	06	0/0					
	04.04	1/12	9.2E-02	5.3E+00 *	9.2E-02		
	18	0/3	9.8E-01	1.3E+00 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/0					
	00	5/5	5.4E+03	1.5E+04	1.2E+04	1.8E+03	1.6E+04
	01	0/0					
	08	1/1	2.9E+04	2.9E+04	2.9E+04		
	07.01	1/1	3.1E+04	3.1E+04	3.1E+04		
	07.02	1/1	3.0E+04	3.0E+04	3.0E+04		
	02.01	1/1	8.4E+03	8.4E+03	8.4E+03		
Iron (MG/KG)	22	0/0					
	02.02	0/0					
	02.03	1/1	1.5E+04	1.5E+04	1.5E+04		
	02.04	7/7	9.2E+03	2.6E+04	1.7E+04	2.1E+03	2.2E+04
	13	5/5	1.1E+04	1.8E+04	1.5E+04	1.4E+03	1.8E+04
	03.01	2/2	1.4E+04	1.8E+04	1.6E+04	2.1E+03	2.9E+04
	03.02	8/8	1.3E+04	2.4E+04	1.9E+04	1.3E+03	2.2E+04
	03.03	9/9	1.1E+04	3.3E+04	1.9E+04	2.2E+03	2.3E+04
	03.04	6/6	1.1E+04	2.4E+04	1.9E+04	2.1E+03	2.3E+04
	04.01	9/9	8.6E+03	2.0E+04	1.2E+04	1.2E+03	1.4E+04
	04.02	6/6	9.6E+03	1.6E+04	1.3E+04	1.1E+03	1.5E+04

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Lead (MG/KG)	08	1/1	2.8E+01	2.8E+01	2.8E+01		
	07.01	1/1	1.6E+01	1.6E+01	1.6E+01		
	07.02	9/9	1.4E+01	3.3E+01	2.1E+01	2.2E+00	2.5E+01
	02.01	1/1	5.4E+00	5.4E+00	5.4E+00		
	22	1/1	1.2E+02	1.2E+02	1.2E+02		
	02.02	1/1	9.7E+00	9.7E+00	9.7E+00		
	02.03	1/1	8.6E+00	8.6E+00	8.6E+00		
	02.04	8/8	1.3E+01	6.5E+01	2.7E+01	6.1E+00	3.9E+01
	13	5/5	1.2E+01	1.8E+01	1.5E+01	9.7E-01	1.7E+01
	03.01	2/2	9.4E+00	1.9E+01	1.4E+01	4.8E+00	4.4E+01
	03.02	9/9	1.2E+01	5.3E+01	2.5E+01	4.8E+00	3.3E+01
	03.03	9/9	7.0E+00	3.8E+01	2.3E+01	3.4E+00	2.9E+01
	03.04	7/7	1.0E+01	3.1E+01	2.0E+01	2.8E+00	2.6E+01
	04.01	10/10	9.1E+00	4.8E+01	1.6E+01	3.6E+00	2.3E+01
	04.02	6/6	9.7E+00	3.3E+01	1.9E+01	3.2E+00	2.6E+01
	04.03	7/7	1.4E+01	7.1E+01	3.3E+01	6.8E+00	4.7E+01
	06	0/0					
	04.04	12/12	1.5E+01	6.0E+01	2.9E+01	3.5E+00	3.5E+01
	18	3/3	2.0E+01	2.7E+01	2.3E+01	2.1E+00	2.9E+01
	05	4/4	3.5E+01	4.7E+01	4.1E+01	2.9E+00	4.8E+01
	10	0/0					
Magnesium (MG/KG)	00	5/5	5.7E+02	2.5E+03	1.6E+03	3.4E+02	2.3E+03
	01	0/0					
	08	1/1	2.9E+03	2.9E+03	2.9E+03		
	07.01	1/1	3.2E+03	3.2E+03	3.2E+03		
	07.02	1/1	2.9E+03	2.9E+03	2.9E+03		
	02.01	1/1	8.2E+02	8.2E+02	8.2E+02		
	22	0/0					
	02.02	0/0					
	02.03	1/1	1.7E+03	1.7E+03	1.7E+03		
	02.04	7/7	4.2E+02	6.2E+03	2.5E+03	6.7E+02	3.8E+03

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Magnesium (MG/KG)							
	13	5/5	8.5E+02	1.7E+03	1.4E+03	1.6E+02	1.8E+03
	03.01	2/2	1.2E+03	1.5E+03	1.3E+03	1.6E+02	2.3E+03
	03.02	8/8	1.2E+03	2.9E+03	1.8E+03	2.3E+02	2.2E+03
	03.03	9/9	9.2E+02	2.4E+03	1.5E+03	1.5E+02	1.8E+03
	03.04	6/6	9.6E+02	1.9E+03	1.4E+03	1.6E+02	1.7E+03
	04.01	9/9	6.3E+02	2.0E+03	1.4E+03	1.6E+02	1.7E+03
	04.02	6/6	8.9E+02	2.5E+03	1.4E+03	2.3E+02	1.9E+03
	04.03	7/7	7.1E+02	2.6E+03	1.6E+03	2.8E+02	2.2E+03
	06	0/0					
	04.04	11/11	1.3E+03	2.7E+03	1.9E+03	1.4E+02	2.1E+03
	18	3/3	2.1E+03	2.8E+03	2.4E+03	2.0E+02	3.0E+03
	05	0/0					
Manganese (MG/KG)							
	10	0/0					
	00	5/5	3.0E+02	2.1E+03	1.2E+03	3.4E+02	1.9E+03
	01	0/0					
	08	1/1	2.0E+03	2.0E+03	2.0E+03		
	07.01	1/1	1.6E+03	1.6E+03	1.6E+03		
	07.02	1/1	2.9E+03	2.9E+03	2.9E+03		
	02.01	1/1	2.7E+02	2.7E+02	2.7E+02		
	22	0/0					
	02.02	0/0					
	02.03	1/1	5.5E+02	5.5E+02	5.5E+02		
	02.04	7/7	9.3E+02	4.5E+03	2.0E+03	5.3E+02	3.0E+03
	13	5/5	2.4E+02	8.1E+02	4.9E+02	9.8E+01	7.0E+02
	03.01	2/2	3.8E+02	6.1E+02	5.0E+02	1.1E+02	1.2E+03
	03.02	8/8	3.4E+02	1.1E+03	6.2E+02	8.8E+01	7.9E+02
	03.03	9/9	3.6E+02	1.4E+03	6.8E+02	1.2E+02	9.0E+02
	03.04	6/6	3.8E+02	8.4E+02	6.0E+02	6.6E+01	7.3E+02
	04.01	9/9	3.5E+02	8.0E+02	6.0E+02	5.5E+01	7.0E+02
	04.02	6/6	3.4E+02	1.2E+03	5.7E+02	1.4E+02	8.6E+02
	04.03	7/7	4.2E+02	2.0E+03	1.0E+03	2.1E+02	1.4E+03

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Manganese (MG/KG)							
	06	0/0					
	04.04	11/11	6.2E+02	2.0E+03	1.3E+03	1.4E+02	1.6E+03
	18	3/3	1.3E+03	2.0E+03	1.7E+03	2.1E+02	2.4E+03
	05	0/0					
Mercury (MG/KG)							
	10	1/1	7.0E-02	7.0E-02	7.0E-02		
	00	5/5	1.7E-02	6.9E-02	4.2E-02		
	01	2/2	5.2E-02	1.5E-01	1.0E-01	9.7E-03	6.3E-02
	08	1/1	7.6E-01	7.6E-01	7.6E-01	5.1E-02	4.3E-01
	07.01	1/1	1.6E-01	1.6E-01	1.6E-01		
	07.02	1/9	5.0E-02	2.9E-01 *	1.1E-01		
	02.01	1/1	2.4E-01	2.4E-01	2.4E-01		
	22	1/1	1.1E+02	1.1E+02	1.1E+02		
	02.02	0/1	3.0E-02	3.0E-02 *			
	02.03	1/1	2.6E-02	2.6E-02	2.6E-02		
	02.04	9/9	2.9E-02	6.2E-01	1.6E-01	6.2E-02	2.8E-01
	13	5/5	5.2E-02	1.2E+00	3.5E-01	2.2E-01	8.2E-01
	03.01	2/2	3.1E-02	4.6E+00	2.3E+00	2.3E+00	1.7E+01
	03.02	9/9	6.3E-01	3.7E+01	1.2E+01	4.3E+00	2.0E+01
	03.03	9/9	2.0E+00	1.2E+01	5.6E+00	1.0E+00	7.4E+00
	03.04	8/8	2.1E+00	1.4E+02	2.9E+01	1.7E+01	6.1E+01
	04.01	10/10	6.6E-02	6.9E+00	2.5E+00	9.1E-01	4.2E+00
	04.02	6/6	2.9E-03	2.9E+00	1.2E+00	4.9E-01	2.1E+00
	04.03	7/7	7.3E-01	5.3E+00	2.3E+00	5.8E-01	3.4E+00
	06	0/0					
Methoxychlor (MG/KG)							
	04.04	12/12	1.0E+00	2.2E+00	1.6E+00	1.1E-01	1.8E+00
	18	3/3	6.4E-02	1.1E-01	9.1E-02	1.4E-02	1.3E-01
	05	4/4	4.6E-01	1.3E+00	7.0E-01	1.9E-01	1.1E+00
	10	0/1	7.1E+00	7.1E+00 *			
	00	0/5	4.2E-03	5.8E-03 *			
	01	0/2	1.4E+00	3.0E+00 *			
	08	0/1	8.7E-03	8.7E-03 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Methoxychlor (MG/KG)	07.01	0/1	9.4E-03	9.4E-03 *			
	07.02	0/1	9.4E-03	9.4E-03 *			
	02.01	0/1	4.3E-03	4.3E-03 *			
	22	0/1	9.4E-01	9.4E-01 *			
	02.02	0/1	5.6E-01	5.6E-01 *			
	02.03	0/1	4.7E-03	4.7E-03 *			
	02.04	0/8	4.2E-03	1.5E+00			
	13	0/5	4.6E-03	5.6E-03 *			
	03.01	0/2	4.2E-03	5.4E-03 *			
	03.02	0/9	4.8E-03	1.2E+00 *			
	03.03	1/9	5.0E-03	1.5E-01	1.5E-01		
	03.04	0/7	4.4E-03	2.9E+00 *			
	04.01	0/10	4.1E-03	1.2E+00 *			
	04.02	0/5	4.2E-03	5.7E-03 *			
	04.03	0/7	4.6E-03	6.3E-03 *			
	06	0/0					
	04.04	0/12	6.1E-03	5.0E+00 *			
	18	0/2	5.1E-03	6.0E-03 *			
	05	0/4	1.6E+00	8.0E+00 *			
	10	0/0					
Methyl mercury (MG/KG)	00	5/5	7.2E-05	2.5E-04	1.7E-04	4.0E-05	2.6E-04
	01	0/0					
	08	1/1	4.6E-04	4.6E-04	4.6E-04		
	07.01	1/1	3.2E-04	3.2E-04	3.2E-04		
	07.02	1/1	2.8E-04	2.8E-04	2.8E-04		
	02.01	1/1	4.2E-05	4.2E-05	4.2E-05		
	22	0/0					
	02.02	0/0					
	02.03	1/1	1.4E-05	1.4E-05	1.4E-05	7.8E-05	4.3E-04
	02.04	7/7	5.3E-05	6.5E-04	2.8E-04	4.3E-04	2.0E-03
	13	5/5	2.4E-04	2.7E-03	1.1E-03		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Naphthalene (MG/KG)	04.04	7/12	6.3E-02	5.3E+00 *	9.6E-02	7.3E-03	1.1E-01
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
Nickel (MG/KG)	10	1/1	2.3E+01	2.3E+01	2.3E+01		
	00	5/5	8.2E+00	1.5E+01	1.2E+01	1.3E+00	1.5E+01
	01	2/2	1.2E+01	2.0E+01	1.6E+01	4.1E+00	4.2E+01
	08	1/1	2.4E+01	2.4E+01	2.4E+01		
	07.01	1/1	2.7E+01	2.7E+01	2.7E+01		
	07.02	9/9	1.8E+01	4.1E+01	2.6E+01	2.2E+00	3.1E+01
	02.01	1/1	9.7E+00	9.7E+00	9.7E+00		
	22	1/1	2.4E+01	2.4E+01	2.4E+01		
	02.02	1/1	4.7E+00	4.7E+00	4.7E+00		
	02.03	1/1	1.8E+01	1.8E+01	1.8E+01		
	02.04	8/8	6.4E+00	2.5E+01	1.4E+01	1.8E+00	1.8E+01
	13	5/5	1.5E+01	2.9E+01	2.2E+01	2.8E+00	2.8E+01
	03.01	2/2	1.2E+01	2.9E+01	2.0E+01	8.5E+00	7.4E+01
	03.02	9/9	2.5E+01	2.3E+02	8.2E+01	2.6E+01	1.3E+02
	03.03	9/9	1.7E+01	8.6E+01	4.3E+01	7.8E+00	5.8E+01
	03.04	7/7	9.7E+00	7.0E+01	4.1E+01	8.9E+00	5.8E+01
	04.01	10/10	8.1E+00	2.6E+01	1.5E+01	1.9E+00	1.8E+01
PCB-1248 (MG/KG)	04.02	6/6	1.0E+01	2.1E+01	1.4E+01	1.6E+00	1.7E+01
	04.03	7/7	1.5E+01	4.4E+01	2.6E+01	3.7E+00	3.3E+01
	06	0/0					
	04.04	12/12	1.7E+01	4.2E+01	2.7E+01	2.1E+00	3.1E+01
	18	3/3	8.8E+00	1.4E+01	1.2E+01	1.6E+00	1.6E+01
	05	4/4	2.1E+01	3.2E+01	2.5E+01	2.6E+00	3.1E+01
	10	0/0					
	00	0/5	8.1E-03	1.1E-02 *			
	01	0/2	1.4E+00	3.0E+00 *			
	08	0/1	1.7E-02	1.7E-02 *			
	07.01	0/1	1.8E-02	1.8E-02 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
PCB-1248 (MG/KG)	07.02	0/1	1.8E-02	1.8E-02 *			
	02.01	0/1	8.4E-03	8.4E-03 *			
	22	0/1	9.4E-01	9.4E-01 *			
	02.02	0/1	5.6E-01	5.6E-01 *			
	02.03	0/1	9.1E-03	9.1E-03 *			
	02.04	0/8	8.1E-03	1.5E+00			
	13	0/5	8.9E-03	1.1E-02 *			
	03.01	0/2	8.1E-03	1.1E-02 *			
	03.02	2/9	9.3E-03	1.2E+00 *	8.2E-02	3.9E-02	1.5E-01
	03.03	0/9	9.4E-03	4.8E-02 *			
	03.04	2/7	8.5E-03	2.9E+00 *	6.3E-02	2.2E-02	1.1E-01
	04.01	0/10	8.0E-03	1.2E+00 *			
	04.02	0/5	8.2E-03	1.1E-02 *			
	04.03	0/7	8.9E-03	1.2E-02 *			
	06	0/0					
	04.04	0/12	1.2E-02	5.5E+00 *			
	18	0/2	9.9E-03	1.2E-02 *			
	05	0/2	1.6E+00	5.2E+00 *			
	10	0/1	1.5E+01	1.5E+01 *			
	00	0/5	8.1E-03	1.1E-02 *			
PCB-1254 (MG/KG)	01	0/2	2.8E+00	5.9E+00 *			
	08	0/1	1.7E-02	1.7E-02 *			
	07.01	0/1	1.8E-02	1.8E-02 *			
	07.02	0/1	1.8E-02	1.8E-02 *			
	02.01	0/1	8.4E-03	8.4E-03 *			
	22	1/1	1.6E+00	1.6E+00	1.6E+00		
	02.02	1/1	1.2E+00	1.2E+00	1.2E+00		
	02.03	0/1	9.1E-03	9.1E-03 *			
	02.04	0/8	8.1E-03	2.9E+00			
	13	1/5	9.2E-03	1.7E-02	1.7E-02		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
PCB-1254 (MG/KG)	03.01	0/2	8.1E-03	1.1E-02 *			
	03.02	7/9	9.3E-03	1.5E+00	3.3E-01	1.5E-01	6.2E-01
	03.03	8/8	2.0E-02	5.3E-01	1.5E-01	5.9E-02	2.6E-01
	03.04	5/6	6.5E-03	5.7E+00 *	1.0E-01	3.7E-02	1.8E-01
	04.01	7/9	6.8E-03	8.6E-01	1.2E-01	9.4E-02	2.9E-01
	04.02	2/5	8.2E-03	4.5E-02	1.8E-02	8.6E-03	3.6E-02
	04.03	2/7	8.9E-03	8.2E-02	6.0E-02	4.9E-03	6.9E-02
	06	0/0					
	04.04	1/12	1.2E-02	2.8E+00	2.8E+00		
	18	0/2	9.9E-03	1.2E-02 *			
	05	0/4	3.2E+00	1.6E+01 *			
	10	0/1	1.5E+01	1.5E+01 *			
	00	0/5	8.1E-03	1.1E-02 *			
	01	0/2	2.8E+00	5.9E+00 *			
	08	0/1	1.7E-02	1.7E-02 *			
	07.01	0/1	1.8E-02	1.8E-02 *			
PCB-1260 (MG/KG)	07.02	0/1	1.8E-02	1.8E-02 *			
	02.01	0/1	8.4E-03	8.4E-03 *			
	22	0/1	1.9E+00	1.9E+00 *			
	02.02	1/1	1.2E+00	1.2E+00	1.2E+00		
	02.03	0/1	9.1E-03	9.1E-03 *			
	02.04	0/8	8.1E-03	2.9E+00			
	13	0/5	8.9E-03	1.1E-02 *			
	03.01	1/2	8.1E-03	1.9E-02	1.9E-02		
	03.02	6/9	9.3E-03	2.4E+00 *	1.3E-01	6.5E-02	2.5E-01
	03.03	8/9	1.2E-02	2.8E-01	7.9E-02	2.7E-02	1.3E-01
	03.04	5/7	8.5E-03	5.7E+00 *	7.8E-02	2.3E-02	1.2E-01
	04.01	5/10	8.0E-03	2.4E+00 *	1.8E-02	3.6E-03	2.5E-02
	04.02	1/5	8.2E-03	2.8E-02	2.8E-02		
	04.03	2/7	8.9E-03	4.3E-02	2.9E-02	3.0E-03	3.5E-02
	06	0/0					

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
PCB-1260 (MG/KG)	04.04	0/12	1.2E-02	9.9E+00 *			
	18	0/2	9.9E-03	1.2E-02 *			
	05	0/4	3.2E+00	1.6E+01 *			
	10	0/1	2.3E+01	2.3E+01 *			
	00	0/5	5.0E-01	6.9E-01 *			
	01	0/2	2.8E+00	5.9E+00 *			
	08	0/1	1.0E+00	1.0E+00 *			
	07.01	0/1	1.1E+00	1.1E+00 *			
	07.02	0/1	1.1E+00	1.1E+00 *			
	02.01	0/1	5.0E-01	5.0E-01 *			
	22	0/1	1.6E+01	1.6E+01 *			
	02.02	0/1	2.1E+00	2.1E+00 *			
	02.03	0/1	5.4E-01	5.4E-01 *			
	02.04	1/7	2.6E-01	2.4E+00 *	2.6E-01		
	13	0/5	5.4E-01	2.8E+00 *			
	03.01	0/2	5.0E-01	6.3E-01 *			
Phenanthrene (MG/KG)	03.02	0/9	5.6E-01	2.4E+00 *			
	03.03	0/9	5.7E-01	7.4E-01 *			
	03.04	0/7	5.2E-01	2.6E+00 *			
	04.01	1/10	2.7E-01	2.4E+00 *	2.7E-01		
	04.02	0/5	4.9E-01	6.8E-01 *			
	04.03	1/7	3.7E-02	7.4E-01 *	3.7E-02		
	06	0/0					
	04.04	0/12	2.4E+00	2.6E+01 *			
	18	0/3	8.1E-01	2.4E+00 *			
	05	0/4	4.1E+00	3.0E+01 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	5/5	2.5E-02	3.7E-01	1.6E-01	7.7E-02	3.2E-01
	01	0/2	5.9E-01	1.2E+00 *			
	08	1/1	4.4E-02	4.4E-02	4.4E-02		
	07.01	1/1	3.0E-02	3.0E-02	3.0E-02		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Phenanthrene (MG/KG)	07.02	1/1	7.5E-02	7.5E-02	7.5E-02		
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	6/8	2.7E-02	5.0E-01	1.3E-01	5.8E-02	2.4E-01
	13	5/5	2.2E-02	3.7E+00	8.7E-01	7.1E-01	2.4E+00
	03.01	2/2	2.2E-02	7.4E-02	4.8E-02	2.6E-02	2.1E-01
	03.02	8/9	1.1E-01	7.8E-01	3.1E-01	7.6E-02	4.5E-01
	03.03	9/9	9.6E-02	1.2E+00	3.3E-01	1.1E-01	5.4E-01
	03.04	7/7	2.5E-02	3.1E-01	1.6E-01	3.7E-02	2.3E-01
	04.01	7/10	2.2E-02	4.9E-01 *	6.1E-02	1.3E-02	8.5E-02
	04.02	5/5	1.9E-02	2.2E-01	8.6E-02	3.5E-02	1.6E-01
	04.03	7/7	5.5E-02	1.9E-01	9.8E-02	1.7E-02	1.3E-01
	06	0/0					
	04.04	11/12	1.0E-01	5.3E+00 *	1.5E-01	1.2E-02	1.7E-01
	18	3/3	1.1E-01	1.9E-01	1.5E-01	2.2E-02	2.1E-01
	05	0/4	8.4E-01	6.1E+00 *			
	10	0/1	4.8E+00	4.8E+00 *			
	00	0/5	2.0E-01	2.8E-01 *			
	01	0/2	5.9E-01	1.2E+00 *			
Phenol (MG/KG)	08	0/1	4.1E-01	4.1E-01 *			
	07.01	0/1	4.5E-01	4.5E-01 *			
	07.02	0/1	4.5E-01	4.5E-01 *			
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	0/8	2.0E-01	5.0E-01			
	13	1/5	5.4E-02	1.2E+00 *	5.4E-02		
	03.01	0/2	2.0E-01	2.6E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Phenol (MG/KG)	03.02	2/9	6.8E-02	4.9E-01 *	1.0E-01	3.6E-02	1.7E-01
	03.03	1/9	7.8E-02	2.7E-01 *	7.8E-02		
	03.04	1/7	7.1E-02	5.3E-01 *	7.1E-02		
	04.01	1/10	1.2E-01	4.9E-01 *	1.2E-01		
	04.02	0/5	2.0E-01	2.8E-01 *			
	04.03	0/7	2.2E-01	3.0E-01 *			
	06	0/0					
	04.04	0/12	1.0E+00	5.3E+00 *			
	18	0/3	3.4E-01	9.8E-01 *			
	05	0/4	8.4E-01	6.1E+00 *			
	10	1/1	9.6E-03	9.6E-03	9.6E-03		
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
Plutonium-238 (PCI/G)	02.01	0/0					
	22	1/1	6.6E+00	6.6E+00	6.6E+00		
	02.02	1/1	1.7E-02	1.7E-02	1.7E-02		
	02.03	0/0					
	02.04	1/1	6.1E-02	6.1E-02	6.1E-02		
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	1/1	9.6E-03	9.6E-03	9.6E-03		
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	1/1	1.3E-02	1.3E-02	1.3E-02		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Plutonium-238 (PCI/G)							
	18	0/0					
	05	2/2	9.6E-03	3.9E-02	2.4E-02	1.4E-02	1.2E-01
Plutonium-239/240 (PCI/G)							
	10	1/1	4.0E-02	4.0E-02	4.0E-02		
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	1/1	2.2E+02	2.2E+02	2.2E+02		
	02.02	1/1	8.1E-02	8.1E-02	8.1E-02		
	02.03	0/0					
	02.04	1/1	4.3E-01	4.3E-01	4.3E-01		
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	1/1	1.0E-02	1.0E-02	1.0E-02		
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	1/1	1.3E-02	1.3E-02	1.3E-02		
	18	0/0					
	05	2/2	1.0E-02	6.2E-02	3.6E-02	2.6E-02	2.0E-01
	10	0/0					
	00	5/5	1.9E+02	7.1E+02	5.4E+02	9.6E+01	7.5E+02
	01	0/0					
Potassium (MG/KG)							
	08	1/1	1.8E+03	1.8E+03	1.8E+03		
	07.01	1/1	2.1E+03	2.1E+03	2.1E+03		
	07.02	1/1	2.0E+03	2.0E+03	2.0E+03		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Potassium (MG/KG)	02.01	1/1	5.9E+02	5.9E+02	5.9E+02		
	22	0/0					
	02.02	0/0					
	02.03	1/1	7.7E+02	7.7E+02	7.7E+02	1.9E+02	1.5E+03
	02.04	7/7	2.6E+02	2.0E+03	1.1E+03	1.3E+02	1.4E+03
	13	5/5	6.5E+02	1.3E+03	1.1E+03	3.1E+02	3.1E+03
	03.01	2/2	8.0E+02	1.4E+03	1.1E+03	1.5E+02	1.7E+03
	03.02	8/8	9.5E+02	2.3E+03	1.4E+03	1.2E+02	1.3E+03
	03.03	9/9	6.6E+02	1.9E+03	1.1E+03	1.7E+02	1.4E+03
	03.04	6/6	5.7E+02	1.6E+03	1.1E+03	1.0E+02	1.0E+03
	04.01	9/9	3.9E+02	1.3E+03	8.3E+02	6.6E+01	9.2E+02
	04.02	6/6	5.9E+02	1.1E+03	7.9E+02	1.0E+02	1.1E+03
	04.03	7/7	5.7E+02	1.2E+03	9.2E+02		
	06	0/0					
	04.04	11/11	4.8E+02	1.8E+03	1.1E+03	1.2E+02	1.3E+03
	18	3/3	1.3E+03	1.5E+03	1.4E+03	6.6E+01	1.6E+03
	05	0/0					
	10	7/7	2.2E+00	8.3E+00	4.8E+00	7.3E-01	6.2E+00
	00	0/0					
	01	0/0					
Potassium-40 (PCI/G)	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	0/0					
	02.02	50/50	2.9E+00	2.5E+01	1.0E+01	6.6E-01	1.2E+01
	02.03	51/51	2.6E+00	1.8E+01	9.2E+00	6.2E-01	1.0E+01
	02.04	27/27	5.6E+00	1.6E+01	1.1E+01	5.5E-01	1.2E+01
	13	0/0					
	03.01	0/0					
	03.02	0/0					

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Potassium-40 (PCI/G)	03.03	0/0					
	03.04	0/0					
	04.01	36/36	1.6E+00	1.7E+01	8.4E+00	5.1E-01	9.2E+00
	04.02	15/15	1.6E+00	1.7E+01	9.0E+00	1.4E+00	1.1E+01
	04.03	6/6	6.5E+00	2.2E+01	1.4E+01	2.3E+00	1.8E+01
	06	0/0					
	04.04	0/0					
	18	0/0					
	05	260/260	7.9E-01	4.0E+01	1.1E+01	4.2E-01	1.2E+01
	10	0/1	4.8E+00	4.8E+00 *			
Pyrene (MG/KG)	00	5/5	1.9E-02	1.5E-01	7.0E-02	2.7E-02	1.3E-01
	01	0/2	5.9E-01	1.2E+00 *			
	08	1/1	7.5E-02	7.5E-02	7.5E-02		
	07.01	1/1	5.2E-02	5.2E-02	5.2E-02		
	07.02	1/1	1.1E-01	1.1E-01	1.1E-01		
	02.01	0/1	2.1E-01	2.1E-01 *			
	22	0/1	3.2E+00	3.2E+00 *			
	02.02	0/1	4.4E-01	4.4E-01 *			
	02.03	0/1	2.2E-01	2.2E-01 *			
	02.04	4/8	2.6E-02	5.0E-01	1.1E-01	6.4E-02	2.3E-01
	13	4/5	8.7E-02	6.1E-01	2.5E-01	9.9E-02	4.6E-01
	03.01	2/2	1.7E-02	1.3E-01	7.3E-02	5.7E-02	4.3E-01
	03.02	8/9	1.3E-01	6.6E-01	3.5E-01	6.5E-02	4.7E-01
	03.03	9/9	1.4E-01	1.3E+00	3.9E-01	1.1E-01	6.0E-01
	03.04	7/7	3.1E-02	2.7E-01	1.8E-01	2.8E-02	2.4E-01
	04.01	7/10	2.0E-02	4.9E-01 *	7.2E-02	1.7E-02	1.0E-01
	04.02	5/5	1.7E-02	2.4E-01	1.1E-01	4.1E-02	2.0E-01
	04.03	7/7	8.6E-02	1.5E-01	1.0E-01	8.6E-03	1.2E-01
	06	0/0					
	04.04	11/12	1.1E-01	5.3E+00 *	1.8E-01	2.1E-02	2.2E-01
	18	3/3	3.1E-01	3.7E-01	3.5E-01	2.2E-02	4.1E-01

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Pyrene (MG/KG) Radium-226 (PCI/G)	05	0/4	8.4E-01	6.1E+00 *			
	10	0/0					
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	0/0					
	02.02	0/0					
	02.03	0/0					
	02.04	0/0					
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
Selenium (MG/KG)	06	0/0					
	04.04	0/0					
	18	0/0					
	05	3/3	4.3E-01	7.4E-01	5.7E-01	9.3E-02	8.4E-01
	10	0/1	5.7E-01	5.7E-01 *			
	00	0/5	2.2E-01	4.2E-01 *			
	01	2/2	3.4E-01	7.8E-01	5.6E-01	2.2E-01	2.0E+00
	08	0/1	6.1E-01	6.1E-01 *			
	07.01	1/1	8.4E+00	8.4E+00	8.4E+00		
	07.02	7/9	2.7E-01	2.3E+00	9.6E-01	2.1E-01	1.4E+00
	02.01	0/1	1.6E-01	1.6E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Selenium (MG/KG)							
22		0/1	1.4E-01	1.4E-01 *			
02.02		0/1	3.0E-01	3.0E-01 *			
02.03		0/1	1.9E-01	1.9E-01 *			
02.04		1/5	3.5E-01	2.7E+00 *	3.5E-01		
13		1/5	2.0E-01	2.4E+00 *	5.2E-01		
03.01		0/2	2.5E-01	2.0E+00 *			
03.02		1/8	3.0E-01	1.4E+00 *	3.0E-01		
03.03		0/8	2.1E-01	1.3E+00 *			
03.04		5/7	1.6E-01	2.9E+00	8.5E-01	3.8E-01	1.6E+00
04.01		4/9	1.6E-01	1.5E+00	3.5E-01	1.6E-01	6.4E-01
04.02		0/6	3.1E-01	4.8E-01 *			
04.03		1/7	2.9E-01	2.1E+00 *	3.9E-01		
06		0/0					
04.04		6/12	2.6E-01	9.0E-01	4.3E-01	5.6E-02	5.3E-01
18		0/2	1.4E-01	2.0E-01 *			
05		0/3	4.3E-01	7.1E-01 *			
10		0/0					
Silver (MG/KG)							
00		4/5	2.0E-02	7.4E-01	1.8E-01	1.4E-01	4.9E-01
01		2/2	2.3E-01	3.3E-01	2.8E-01	5.2E-02	6.0E-01
08		1/1	8.0E-02	8.0E-02	8.0E-02		
07.01		0/1	6.7E-02	6.7E-02 *			
07.02		6/9	2.5E-02	2.6E-01	9.6E-02	2.4E-02	1.4E-01
02.01		1/1	3.0E-02	3.0E-02	3.0E-02		
22		1/1	1.7E+01	1.7E+01	1.7E+01		
02.02		0/1	3.0E-02	3.0E-02 *			
02.03		1/1	5.4E-02	5.4E-02	5.4E-02		
02.04		7/8	1.9E-02	6.0E-01	1.6E-01	6.8E-02	2.9E-01
13		4/5	3.0E-02	1.6E-01	7.8E-02	2.4E-02	1.3E-01
03.01		2/2	4.0E-02	5.0E-01	2.7E-01	2.3E-01	1.7E+00
03.02		9/9	9.0E-02	5.6E+00	1.1E+00	5.8E-01	2.2E+00
03.03		9/9	1.4E-01	4.9E+00	1.1E+00	5.0E-01	2.1E+00

Table C3. (continued)

Analyte	Sub reach	Frequency of Defects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Silver (MG/KG)	03.04	6/6	3.0E-02	1.6E+00	8.2E-01	2.5E-01	1.3E+00
	04.01	9/9	5.0E-02	3.1E-01	1.4E-01	3.4E-02	2.0E-01
	04.02	6/6	3.0E-02	1.8E-01	8.4E-02	2.8E-02	1.4E-01
	04.03	7/7	7.0E-02	3.6E-01	2.2E-01	5.0E-02	3.2E-01
	06	0/0					
	04.04	11/11	1.8E-01	2.7E+00	4.6E-01	2.2E-01	8.7E-01
	18	3/3	8.0E-02	1.9E-01	1.4E-01	3.1E-02	2.3E-01
	05	4/4	1.6E-01	9.1E-01	4.1E-01	1.8E-01	8.2E-01
	10	0/0					
	00	4/5	1.6E+01	3.7E+01 *	2.6E+01	5.5E+00	3.7E+01
Sodium (MG/KG)	01	0/0					
	08	1/1	5.2E+01	5.2E+01	5.2E+01		
	07.01	1/1	6.6E+01	6.6E+01	6.6E+01		
	07.02	1/1	6.2E+01	6.2E+01	6.2E+01		
	02.01	0/1	4.0E+01	4.0E+01 *			
	22	0/0					
	02.02	0/0					
	02.03	0/1	3.6E+01	3.6E+01 *			
	02.04	7/7	2.6E+01	4.4E+01	3.5E+01	2.4E+00	3.9E+01
	13	5/5	3.2E+01	6.3E+01	5.1E+01	5.4E+00	6.2E+01
	03.01	2/2	2.6E+01	5.1E+01	3.9E+01	1.2E+01	1.2E+02
	03.02	8/8	2.7E+01	7.2E+01	5.4E+01	5.1E+00	6.4E+01
	03.03	9/9	2.3E+01	1.0E+02	4.4E+01	8.7E+00	6.1E+01
	03.04	6/6	3.8E+01	1.7E+02	8.4E+01	1.9E+01	1.2E+02
	04.01	9/9	2.4E+01	4.8E+01	3.2E+01	2.4E+00	3.7E+01
	04.02	6/6	1.9E+01	3.4E+01	2.5E+01	2.1E+00	2.9E+01
	04.03	7/7	2.6E+01	4.7E+01	3.6E+01	3.0E+00	4.2E+01
	06	0/0					
	04.04	11/11	4.1E+01	9.0E+01	6.2E+01	4.3E+00	7.0E+01
	18	3/3	4.1E+01	5.5E+01	5.0E+01	4.7E+00	6.4E+01
	05	0/0					

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Strontium-90 (PCI/G)	10	1/1	1.6E-01	1.6E-01	1.6E-01		
	00	0/5	1.1E+00	1.7E+00 *			
	01	0/0					
	08	0/1	1.4E+00	1.4E+00 *			
	07.01	1/1	5.2E+00	5.2E+00	5.2E+00		
	07.02	0/1	8.7E-01	8.7E-01 *			
	02.01	0/1	1.1E+00	1.1E+00 *			
	22	1/1	8.7E+02	8.7E+02	8.7E+02		
	02.02	1/1	1.3E-02	1.3E-02	1.3E-02		
	02.03	0/1	1.2E+00	1.2E+00 *			
	02.04	4/9	4.2E-01	4.3E+00	1.3E+00	5.6E-01	2.3E+00
	13	0/5	1.2E+00	2.2E+00 *			
	03.01	0/2	9.4E-01	1.4E+00 *			
	03.02	2/8	4.2E-01	1.8E+00 *	8.7E-01	1.7E-01	1.2E+00
	03.03	1/9	3.6E-01	2.2E+00 *	9.7E-01		
	03.04	1/7	6.4E-02	1.9E+00 *	6.4E-02		
	04.01	0/9	9.7E-01	1.3E+00 *			
	04.02	0/6	1.1E+00	3.0E+00 *			
	04.03	0/7	1.0E+00	7.6E+00 *			
	06	0/0					
Technetium-99 (PCI/G)	04.04	2/12	1.8E-01	2.3E+00	3.5E-01	2.4E-01	7.8E-01
	18	1/3	1.2E+00	1.3E+00	1.3E+00		
	05	2/2	1.0E-01	1.5E-01	1.3E-01	2.5E-02	2.8E-01
	10	0/0					
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Technetium-99 (PCI/G)							
	22	0/0					
	02.02	0/0					
	02.03	0/0					
	02.04	0/1	1.5E+00	1.5E+00 *			
	13	0/5	1.3E+00	1.9E+00 *			
	03.01	0/2	1.5E+00	1.5E+00 *			
	03.02	5/8	1.6E+00	1.8E+02	2.9E+01	2.3E+01	7.2E+01
	03.03	8/9	3.5E+00	2.2E+01	8.1E+00	2.0E+00	1.2E+01
	03.04	2/6	1.2E+00	6.6E+00	3.5E+00	8.1E-01	5.1E+00
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	0/0					
	05	0/0					
Thallium (MG/KG)							
	10	0/1	5.7E-01	5.7E-01 *			
	00	0/5	1.5E-01	3.4E-01 *			
	01	0/2	3.3E-01	6.5E-01 *			
	08	0/1	4.4E-01	4.4E-01 *			
	07.01	0/1	5.8E-01	5.8E-01 *			
	07.02	1/9	2.5E-01	6.9E-01	6.9E-01		
	02.01	0/1	1.1E-01	1.1E-01 *			
	22	0/1	6.8E-01	6.8E-01 *			
	02.02	0/1	3.0E-01	3.0E-01 *			
	02.03	0/1	1.2E-01	1.2E-01 *			
	02.04	0/8	1.4E-01	3.2E-01			
	13	0/5	1.8E-01	2.6E-01 *			
	03.01	0/2	1.5E-01	3.0E-01 *			
	03.02	0/9	1.8E-01	3.7E-01 *			
	03.03	0/9	1.4E-01	3.0E-01 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Thallium (MG/KG)	03.04	3/7	1.8E-01	7.3E-01	4.3E-01	7.6E-02	5.8E-01
	04.01	0/10	1.1E-01	3.0E-01 *			
	04.02	0/6	2.5E-01	3.8E-01 *			
	04.03	0/7	2.3E-01	3.4E-01 *			
	06	0/0					
	04.04	0/12	1.1E-01	5.0E-01 *			
	18	0/3	1.1E-01	1.6E-01 *			
	05	0/4	4.3E-01	7.1E-01 *			
	10	0/0					
	00	0/0					
Thorium-232 (PCI/G)	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	0/0					
	02.02	0/0					
	02.03	0/0					
	02.04	0/0					
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	0/0					
	18	0/0					
	05	3/3	2.4E-01	8.6E-01	5.2E-01	1.8E-01	1.1E+00

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Total combustible organics (TCO) (MG/KG)							
	10	0/0					
	00	5/5	4.3E+04	4.3E+05	2.9E+05	6.6E+04	4.3E+05
	01	0/0					
	08	1/1	5.5E+05	5.5E+05	5.5E+05		
	07.01	1/1	7.1E+05	7.1E+05	7.1E+05		
	07.02	1/1	6.3E+05	6.3E+05	6.3E+05		
	02.01	1/1	1.7E+04	1.7E+04	1.7E+04		
	22	0/0					
	02.02	0/0					
	02.03	1/1	2.4E+04	2.4E+04	2.4E+04		
	02.04	7/7	2.9E+05	4.1E+05	3.4E+05	1.4E+04	3.7E+05
	13	5/5	3.9E+04	4.0E+05	2.9E+05	6.3E+04	4.2E+05
	03.01	2/2	3.5E+04	5.0E+05	2.7E+05	2.3E+05	1.7E+06
	03.02	7/7	3.2E+03	4.0E+05	1.4E+05	6.7E+04	2.7E+05
	03.03	9/9	3.3E+03	4.3E+05	2.6E+05	5.5E+04	3.7E+05
	03.04	6/6	3.3E+04	3.4E+05	1.7E+05	5.8E+04	2.9E+05
	04.01	9/9	1.2E+04	5.5E+04	3.3E+04	4.5E+03	4.2E+04
	04.02	6/6	2.2E+05	4.1E+05	3.0E+05	3.1E+04	3.6E+05
	04.03	7/7	2.7E+05	4.9E+05	3.7E+05	3.1E+04	4.3E+05
	06	0/0					
	04.04	11/11	1.3E+04	5.4E+05	1.2E+05	4.3E+04	2.0E+05
	18	3/3	4.9E+04	8.7E+04	6.7E+04	1.1E+04	1.0E+05
	05	0/0					
Total organic carbon (TOC) (MG/KG)							
	10	0/0					
	00	5/5	9.9E+03	2.0E+04	1.4E+04	2.3E+03	1.9E+04
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	1/1	3.9E+03	3.9E+03	3.9E+03		
	22	0/0					

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Total organic carbon (TOC)							
(MG/KG)							
	02.02	0/0					
	02.03	1/1	3.8E+03	3.8E+03	3.8E+03		
	02.04	7/7	4.1E+03	4.1E+04	1.5E+04	4.7E+03	2.4E+04
	13	5/5	8.3E+03	1.1E+05	3.2E+04	2.0E+04	7.4E+04
	03.01	2/2	5.7E+03	1.2E+04	8.9E+03	3.2E+03	2.9E+04
	03.02	4/4	1.5E+04	1.9E+05	6.3E+04	4.4E+04	1.7E+05
	03.03	1/1	1.8E+04	1.8E+04	1.8E+04		
	03.04	4/4	6.0E+03	1.3E+04	9.1E+03	1.6E+03	1.3E+04
	04.01	8/8	2.8E+03	1.3E+04	8.4E+03	1.4E+03	1.1E+04
	04.02	6/6	5.2E+03	2.1E+04	1.1E+04	2.5E+03	1.6E+04
	04.03	7/7	9.9E+03	2.2E+04	1.6E+04	1.9E+03	2.0E+04
	06	0/0					
	04.04	11/11	2.1E+04	3.5E+04	2.5E+04	1.2E+03	2.7E+04
	18	3/3	6.2E+03	2.5E+04	1.6E+04	5.5E+03	3.2E+04
	05	0/0					
	10	0/0					
Toxaphene (MG/KG)							
	00	0/5	4.2E-02	5.8E-02 *			
	01	0/2	2.8E+00	5.9E+00 *			
	08	0/1	8.7E-02	8.7E-02 *			
	07.01	0/1	9.4E-02	9.4E-02 *			
	07.02	0/1	9.4E-02	9.4E-02 *			
	02.01	0/1	4.3E-02	4.3E-02 *			
	22	0/1	1.9E+00	1.9E+00 *			
	02.02	1/1	1.2E+00	1.2E+00	1.2E+00		
	02.03	0/1	4.7E-02	4.7E-02 *			
	02.04	0/8	4.2E-02	2.9E+00			
	13	0/5	4.6E-02	5.6E-02 *			
	03.01	0/2	4.2E-02	5.4E-02 *			
	03.02	0/9	4.8E-02	2.4E+00 *			
	03.03	0/9	4.8E-02	2.5E-01 *			
	03.04	0/7	4.4E-02	5.7E+00 *			

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Toxaphene (MG/KG)	04.01	0/10	4.1E-02	2.4E+00 *			
	04.02	0/5	4.2E-02	5.7E-02 *			
	04.03	0/7	4.6E-02	6.3E-02 *			
	06	0/0					
	04.04	0/12	6.1E-02	1.1E+01 *			
	18	0/2	5.1E-02	6.0E-02 *			
	05	0/4	3.2E+00	1.6E+01 *			
Uranium (MG/KG)	10	0/0					
	00	5/5	1.8E-01	7.7E-01	4.0E-01	1.1E-01	6.2E-01
	01	0/0					
	08	1/1	7.4E-01	7.4E-01	7.4E-01		
	07.01	1/1	5.5E-01	5.5E-01	5.5E-01		
	07.02	1/1	7.6E-01	7.6E-01	7.6E-01		
	02.01	1/1	8.0E-02	8.0E-02	8.0E-02		
	22	0/0					
	02.02	0/0					
	02.03	1/1	2.7E-01	2.7E-01	2.7E-01		
	02.04	7/7	2.8E-01	9.6E-01	5.1E-01	9.9E-02	7.0E-01
	13	5/5	7.3E-01	2.8E+00	1.2E+00	3.8E-01	2.1E+00
	03.01	2/2	7.6E-01	3.3E+00	2.0E+00	1.3E+00	9.9E+00
	03.02	8/8	1.4E+00	5.2E+01	1.5E+01	6.1E+00	2.7E+01
	03.03	9/9	9.2E-01	3.3E+01	8.9E+00	3.2E+00	1.5E+01
	03.04	6/6	4.3E-01	1.4E+01	6.7E+00	2.4E+00	1.1E+01
	04.01	9/9	1.5E-01	2.1E+00	8.2E-01	2.2E-01	1.2E+00
	04.02	6/6	2.6E-01	1.4E+00	6.4E-01	1.8E-01	9.9E-01
	04.03	7/7	4.8E-01	2.1E+00	1.1E+00	2.0E-01	1.5E+00
	06	0/0					
Uranium-234 (PCI/G)	04.04	11/11	7.0E-01	1.6E+00	1.0E+00	7.1E-02	1.1E+00
	18	3/3	7.6E-01	7.9E-01	7.8E-01	1.0E-02	8.1E-01
	05	0/0					
	10	1/1	1.2E+00	1.2E+00	1.2E+00		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Uranium-234 (PCI/G)	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	1/1	1.0E+01	1.0E+01	1.0E+01		
	02.02	1/1	5.6E-01	5.6E-01	5.6E-01		
	02.03	0/0					
	02.04	2/2	6.6E-01	1.4E+00	1.0E+00	3.6E-01	3.3E+00
	13	5/5	3.0E-01	1.7E+00	8.1E-01	2.4E-01	1.3E+00
	03.01	2/2	6.8E-01	1.9E+00	1.3E+00	6.0E-01	5.1E+00
	03.02	8/8	1.3E+00	8.3E+01	1.8E+01	1.0E+01	3.7E+01
	03.03	9/9	1.3E+00	1.4E+01	4.9E+00	1.3E+00	7.3E+00
	03.04	7/7	4.6E-01	1.0E+01	3.8E+00	1.3E+00	6.4E+00
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	1/1	1.7E+00	1.7E+00	1.7E+00		
	18	0/0					
Uranium-235 (PCI/G)	05	2/2	1.6E+00	1.9E+00	1.8E+00	1.4E-01	2.7E+00
	10	1/1	3.6E-02	3.6E-02	3.6E-02		
	00	0/0					
	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	1/1	3.8E-01	3.8E-01	3.8E-01		
	02.02	1/1	2.0E-02	2.0E-02	2.0E-02		

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Uranium-235 (PCI/G)	02.03	0/0					
	02.04	1/2	2.4E-02	6.6E-02	6.6E-02		
	13	2/5	3.1E-02	1.5E-01 *	5.3E-02	2.7E-02	1.1E-01
	03.01	1/2	2.2E-02	6.6E-02	6.6E-02		
	03.02	8/8	6.5E-02	4.5E+00	8.8E-01	5.4E-01	1.9E+00
	03.03	9/9	4.5E-02	7.4E-01	2.5E-01	7.4E-02	3.8E-01
	03.04	7/7	4.2E-02	5.6E-01	2.1E-01	7.5E-02	3.5E-01
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	1/1	1.2E-01	1.2E-01	1.2E-01		
	18	0/0					
	05	2/2	3.0E-02	9.3E-02	6.2E-02	3.2E-02	2.6E-01
	10	1/1	1.3E+00	1.3E+00	1.3E+00		
	00	0/0					
Uranium-238 (PCI/G)	01	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	22	1/1	6.2E+00	6.2E+00	6.2E+00		
	02.02	1/1	5.3E-01	5.3E-01	5.3E-01		
	02.03	0/0					
	02.04	2/2	6.6E-01	1.3E+00	9.9E-01	3.3E-01	3.1E+00
	13	5/5	3.0E-01	1.5E+00	7.6E-01	1.9E-01	1.2E+00
	03.01	2/2	6.6E-01	1.2E+00	9.3E-01	2.7E-01	2.6E+00
	03.02	8/8	1.2E+00	5.8E+01	1.2E+01	7.0E+00	2.5E+01
	03.03	9/9	1.3E+00	1.0E+01	3.8E+00	9.7E-01	5.6E+00
	03.04	7/7	2.4E-01	8.3E+00	3.3E+00	1.2E+00	5.6E+00
	04.01	0/0					

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Uranium-238 (PCI/G)	04.02	0/0					
	04.03	0/0					
	06	0/0					
	04.04	1/1	1.6E+00	1.6E+00	1.6E+00		
	18	0/0					
	05	2/2	1.4E+00	1.6E+00	1.5E+00	9.5E-02	2.1E+00
	10	0/0					
	00	5/5	4.2E+00	1.4E+01	1.1E+01	1.8E+00	1.4E+01
	01	0/0					
	08	1/1	3.2E+01	3.2E+01	3.2E+01		
Vanadium (MG/KG)	07.01	1/1	5.2E+01	5.2E+01	5.2E+01		
	07.02	1/1	3.5E+01	3.5E+01	3.5E+01		
	02.01	1/1	6.7E+00	6.7E+00	6.7E+00		
	22	0/0					
	02.02	0/0					
	02.03	1/1	1.1E+01	1.1E+01	1.1E+01		
	02.04	7/7	9.3E+00	2.1E+01	1.6E+01	1.6E+00	1.9E+01
	13	5/5	1.5E+01	2.1E+01	1.7E+01	1.3E+00	2.0E+01
	03.01	2/2	1.4E+01	1.8E+01	1.6E+01	2.0E+00	2.9E+01
	03.02	8/8	1.1E+01	2.2E+01	1.8E+01	1.4E+00	2.0E+01
Zinc (MG/KG)	03.03	9/9	7.9E+00	3.3E+01	1.6E+01	2.5E+00	2.1E+01
	03.04	6/6	8.4E+00	3.4E+01	2.1E+01	4.0E+00	2.9E+01
	04.01	9/9	6.2E+00	1.7E+01	1.1E+01	1.2E+00	1.3E+01
	04.02	6/6	8.2E+00	1.7E+01	1.3E+01	1.4E+00	1.6E+01
	04.03	7/7	1.3E+01	2.5E+01	1.9E+01	1.5E+00	2.2E+01
	06	0/0					
	04.04	11/11	1.6E+01	3.7E+01	2.3E+01	2.1E+00	2.7E+01
	18	3/3	1.6E+01	2.4E+01	2.1E+01	2.4E+00	2.8E+01
	05	0/0					
	10	1/1	9.9E+01	9.9E+01	9.9E+01		
	00	5/5	3.1E+01	8.9E+01	5.9E+01	1.1E+01	8.1E+01

Table C3. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Zinc (MG/KG)	01	2/2	6.1E+01	1.1E+02	8.4E+01	2.4E+01	2.3E+02
	08	1/1	9.2E+01	9.2E+01	9.2E+01		
	07.01	1/1	9.7E+01	9.7E+01	9.7E+01		
	07.02	9/9	4.6E+01	1.1E+02	7.8E+01		
	02.01	1/1	3.0E+01	3.0E+01	3.0E+01	7.2E+00	9.1E+01
	22	1/1	1.1E+02	1.1E+02	1.1E+02		
	02.02	1/1	4.0E+01	4.0E+01	4.0E+01		
	02.03	1/1	5.3E+01	5.3E+01	5.3E+01		
	02.04	8/8	2.4E+01	8.2E+01	5.8E+01	6.6E+00	7.1E+01
	13	5/5	3.6E+01	9.2E+01	6.5E+01	1.1E+01	8.8E+01
	03.01	2/2	3.4E+01	7.7E+01	5.5E+01	2.2E+01	1.9E+02
	03.02	9/9	6.8E+01	2.4E+02	1.2E+02	2.1E+01	1.6E+02
	03.03	9/9	5.6E+01	1.5E+02	1.0E+02	1.3E+01	1.3E+02
	03.04	7/7	3.6E+01	1.1E+02	8.1E+01	1.1E+01	1.0E+02
	04.01	10/10	2.8E+01	6.7E+01	4.7E+01	4.0E+00	5.4E+01
	04.02	6/6	3.5E+01	8.0E+01	5.4E+01	7.1E+00	6.9E+01
	04.03	7/7	4.9E+01	1.1E+02	7.3E+01	7.7E+00	8.8E+01
	06	0/0					
	04.04	12/12	8.0E+01	1.7E+02	1.2E+02	8.5E+00	1.4E+02
	18	3/3	1.1E+02	1.3E+02	1.2E+02	6.8E+00	1.4E+02
	05	4/4	1.8E+02	2.7E+02	2.2E+02	2.0E+01	2.7E+02

* Maximum value is a non-detect

Table C4. Summary statistics for contaminants in the sediment column

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
1,4-Dichlorobenzene (MG/KG)							
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	0/4	2.2E-01	4.1E-01 *			
	03.03	0/1	2.9E-01	2.9E-01 *			
	03.04	1/3	2.3E-01	2.8E-01 *	2.3E-01		
	04.01	0/3	2.1E-01	5.0E-01 *			
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	0/2	2.7E-01	2.9E-01 *			
	04.04	0/12	8.9E-01	3.5E+00 *			
2-Methylnaphthalene (MG/KG)							
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	1/1	1.5E-01	1.5E-01	1.5E-01		
	07.02	1/1	7.2E-02	7.2E-02	7.2E-02		
	02.04	4/4	3.3E-02	4.4E-01	1.5E-01	9.7E-02	3.8E-01
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	3/4	6.2E-02	4.1E-01 *	1.3E-01	4.0E-02	2.3E-01
	03.03	1/1	3.5E-01	3.5E-01	3.5E-01		
	03.04	3/3	4.3E-02	2.6E-01	1.2E-01	6.9E-02	3.2E-01
	04.01	2/3	7.9E-02	5.0E-01 *	1.3E-01	4.7E-02	2.6E-01
	04.02	1/1	2.8E-02	2.8E-02	2.8E-02		
	04.03	2/2	9.4E-02	2.3E-01	1.6E-01	6.6E-02	5.8E-01
	04.04	11/12	6.5E-02	3.5E+00 *	2.2E-01	7.2E-02	3.5E-01
4,4'-DDD (MG/KG)							
	01	1/2	1.3E-01	3.8E-01 *	1.3E-01		
	07.01	0/1	1.5E-03	1.5E-03 *			
	07.02	0/1	1.3E-03	1.3E-03 *			
	02.04	0/4	9.0E-04	3.7E-01 *			
	03.01	0/1	8.2E-04	8.2E-04 *			
	03.02	0/4	8.9E-04	7.9E-02 *			

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
4,4'-DDD (MG/KG)	03.03	0/1	1.1E-03	1.1E-03 *			
	03.04	0/3	9.9E-04	1.1E-03 *			
	04.01	0/3	8.4E-04	2.1E-01 *			
	04.02	0/1	8.2E-04	8.2E-04 *			
	04.03	0/2	1.1E-03	1.1E-03 *			
	04.04	0/12	1.1E-03	1.2E+00 *			
	01	1/2	1.3E-01	3.8E-01 *	1.3E-01		
	07.01	0/1	1.5E-03	1.5E-03 *			
4,4'-DDT (MG/KG)	07.02	0/1	1.3E-03	1.3E-03 *			
	02.04	0/4	9.0E-04	3.7E-01 *			
	03.01	0/1	8.2E-04	8.2E-04 *			
	03.02	0/4	8.9E-04	7.9E-02 *			
	03.03	0/1	1.1E-03	1.1E-03 *			
	03.04	0/3	9.9E-04	1.1E-03 *			
	04.01	0/3	8.4E-04	2.1E-01 *			
	04.02	0/1	8.2E-04	8.2E-04 *			
	04.03	0/2	1.1E-03	1.1E-03 *			
	04.04	0/12	1.1E-03	1.2E+00 *			
		01	0/2	5.2E-01	7.9E-01 *		
	07.01	0/1	3.5E-01	3.5E-01 *			
4-Chloro-3-methylphenol (MG/KG)	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	0/4	2.2E-01	4.1E-01 *			
	03.03	0/1	2.9E-01	2.9E-01 *			
	03.04	1/3	1.9E-01	2.8E-01 *	1.9E-01		
	04.01	0/3	2.1E-01	5.0E-01 *			
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	0/2	2.7E-01	2.9E-01 *			
	04.04	0/12	8.9E-01	3.5E+00 *			

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
4-Methylphenol (MG/KG)	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	0/4	2.2E-01	4.1E-01 *			
	03.03	0/1	2.9E-01	2.9E-01 *			
	03.04	1/3	2.5E-01	2.8E-01	2.8E-01		
	04.01	0/3	2.1E-01	5.0E-01 *			
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	0/2	2.7E-01	2.9E-01 *			
	04.04	0/12	8.9E-01	3.5E+00 *			
	01	0/2	2.5E+00	3.8E+00 *			
	07.01	1/1	5.7E-01	5.7E-01	5.7E-01		
	07.02	0/1	8.2E-01	8.2E-01 *			
	02.04	1/4	1.9E-01	2.4E+00 *	1.9E-01		
4-Nitrophenol (MG/KG)	03.01	0/1	5.0E-01	5.0E-01 *			
	03.02	0/4	5.4E-01	2.0E+00 *			
	03.03	0/1	7.1E-01	7.1E-01 *			
	03.04	0/3	5.9E-01	6.8E-01 *			
	04.01	0/3	5.1E-01	2.4E+00 *			
	04.02	0/1	4.9E-01	4.9E-01 *			
	04.03	0/2	6.5E-01	7.0E-01 *			
	04.04	0/12	2.2E+00	1.6E+01 *			
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	2/4	1.7E-01	4.1E-01 *	1.9E-01	1.9E-02	2.3E-01
Acenaphthene (MG/KG)	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	2/4	1.7E-01	4.1E-01 *	1.9E-01	1.9E-02	2.3E-01

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Acenaphthene (MG/KG)	03.03	1/1	2.7E-02	2.7E-02	2.7E-02		
	03.04	3/3	1.5E-01	1.9E-01	1.7E-01	1.1E-02	2.0E-01
	04.01	1/3	1.2E-01	5.0E-01 *	1.2E-01		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	1/2	1.1E-01	2.7E-01 *	1.1E-01		
	04.04	0/12	8.9E-01	3.5E+00 *			
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
Acenaphthylene (MG/KG)	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	1/4	1.2E-01	4.1E-01 *	1.2E-01		
	03.03	1/1	1.2E-01	1.2E-01	1.2E-01		
	03.04	2/3	1.7E-01	2.8E-01 *	1.8E-01	1.1E-02	2.1E-01
	04.01	0/3	2.1E-01	5.0E-01 *			
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	0/2	2.7E-01	2.9E-01 *			
	04.04	0/12	8.9E-01	3.5E+00 *			
	01	0/0					
	07.01	1/1	1.5E+04	1.5E+04	1.5E+04		
Aluminum (MG/KG)	07.02	1/1	1.6E+04	1.6E+04	1.6E+04		
	02.04	3/3	7.6E+03	1.1E+04	9.2E+03	8.6E+02	1.2E+04
	03.01	1/1	7.0E+03	7.0E+03	7.0E+03		
	03.02	3/3	9.4E+03	1.6E+04	1.2E+04	2.0E+03	1.8E+04
	03.03	1/1	1.5E+04	1.5E+04	1.5E+04		
	03.04	3/3	1.1E+04	2.0E+04	1.6E+04	2.7E+03	2.4E+04
	04.01	2/2	6.9E+03	1.2E+04	9.4E+03	2.5E+03	2.5E+04
	04.02	1/1	7.6E+03	7.6E+03	7.6E+03		
	04.03	2/2	1.2E+04	1.5E+04	1.3E+04	1.4E+03	2.2E+04
	04.04	11/11	7.4E+03	2.0E+04	1.5E+04	1.2E+03	1.7E+04

Analyte

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Americium-241 (PCI/G)	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	1/1	1.4E-01	1.4E-01	1.4E-01		
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	1/1	2.0E-01	2.0E-01	2.0E-01		
	01	0/2	5.2E-01	7.9E-01 *			
Anthracene (MG/KG)	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	2/4	1.8E-01	4.1E-01 *	2.0E-01	1.3E-02	2.3E-01
	03.03	1/1	4.2E-02	4.2E-02	4.2E-02		
	03.04	1/3	1.5E-01	2.5E-01 *	1.5E-01		
	04.01	1/3	1.2E-01	5.0E-01 *	1.2E-01		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	1/2	1.1E-01	2.7E-01 *	1.1E-01		
	04.04	0/12	8.9E-01	3.5E+00 *			
	01	0/1	4.5E-01	4.5E-01 *			
	07.01	0/1	6.8E-01	6.8E-01 *			
Antimony (MG/KG)	07.02	4/9	2.0E-01	6.5E-01 *	2.7E-01	3.8E-02	3.4E-01
	02.04	0/3	3.9E-01	4.6E-01 *			
	03.01	0/1	4.0E-01	4.0E-01 *			
	03.02	1/3	3.0E-01	5.9E-01 *	3.0E-01		

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Antimony (MG/KG)	03.03	0/1	5.1E-01	5.1E-01 *			
	03.04	0/3	2.8E-01	5.2E-01 *			
	04.01	0/3	3.1E-01	5.1E-01 *			
	04.02	0/1	3.3E-01	3.3E-01 *			
	04.03	0/2	4.1E-01	4.2E-01 *			
	04.04	1/12	2.7E-01	7.8E-01 *	4.1E-01		
	01	2/2	5.0E+00	1.1E+01	8.0E+00	3.0E+00	2.7E+01
	07.01	1/1	6.4E+01	6.4E+01	6.4E+01		
Arsenic (MG/KG)	07.02	9/9	4.3E+00	1.8E+01	1.1E+01	1.3E+00	1.4E+01
	02.04	4/4	4.2E+00	1.0E+01	6.4E+00	1.4E+00	9.7E+00
	03.01	1/1	1.3E+00	1.3E+00	1.3E+00		
	03.02	5/5	1.4E+00	6.3E+00	3.4E+00	7.9E-01	5.0E+00
	03.03	1/1	5.3E+00	5.3E+00	5.3E+00		
	03.04	3/3	5.3E+00	9.4E+01	4.1E+01	2.7E+01	1.2E+02
	04.01	3/3	2.3E+00	1.0E+01	5.4E+00	2.3E+00	1.2E+01
	04.02	1/1	1.1E+01	1.1E+01	1.1E+01		
	04.03	2/2	5.3E+00	7.8E+00	6.6E+00	1.3E+00	1.5E+01
	04.04	12/12	6.0E+00	1.2E+01	9.4E+00	5.4E-01	1.0E+01
	01	0/0					
	07.01	1/1	1.3E+02	1.3E+02	1.3E+02		
	07.02	1/1	1.6E+02	1.6E+02	1.6E+02		
	02.04	3/3	6.5E+01	1.3E+02	1.0E+02	2.0E+01	1.6E+02
	03.01	1/1	6.0E+01	6.0E+01	6.0E+01		
	03.02	3/3	1.0E+02	1.1E+02	1.1E+02	3.0E+00	1.2E+02
	03.03	1/1	1.2E+02	1.2E+02	1.2E+02		
Barium (MG/KG)	03.04	3/3	1.0E+02	2.9E+02	2.0E+02	5.4E+01	3.5E+02
	04.01	2/2	6.2E+01	7.9E+01	7.0E+01	8.7E+00	1.3E+02
	04.02	1/1	1.1E+02	1.1E+02	1.1E+02		
	04.03	2/2	1.0E+02	1.3E+02	1.2E+02	1.3E+01	2.0E+02
	04.04	11/11	7.6E+01	1.5E+02	1.2E+02	8.2E+00	1.4E+02

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Benzo(a)anthracene (MG/KG)							
	01	1/2	5.2E-01	7.9E-01	7.9E-01		
	07.01	1/1	2.2E-01	2.2E-01	2.2E-01		
	07.02	1/1	1.9E-01	1.9E-01	1.9E-01		
	02.04	1/4	9.7E-02	5.0E-01 *	9.7E-02		
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	2/4	6.2E-02	9.5E-01	2.8E-01	2.7E-01	9.2E-01
	03.03	1/1	2.3E-01	2.3E-01	2.3E-01		
	03.04	3/3	9.0E-02	1.7E-01	1.2E-01	2.3E-02	1.9E-01
	04.01	1/3	9.2E-02	5.0E-01 *	9.2E-02		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	2/2	6.6E-02	1.1E-01	8.9E-02	2.3E-02	2.3E-01
	04.04	10/12	6.7E-02	3.5E+00 *	1.7E-01	7.5E-02	3.0E-01
Benzo(a)pyrene (MG/KG)							
	01	0/2	5.2E-01	7.9E-01 *	7.9E-01		
	07.01	1/1	4.6E-01	4.6E-01	4.6E-01		
	07.02	1/1	6.3E-01	6.3E-01	6.3E-01		
	02.04	3/4	1.7E-01	5.0E-01 *	3.1E-01	7.4E-02	4.9E-01
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	3/4	1.9E-01	5.7E-01	3.0E-01	9.6E-02	5.2E-01
	03.03	1/1	1.6E-01	1.6E-01	1.6E-01		
	03.04	3/3	8.4E-02	2.2E-01	1.3E-01	4.5E-02	2.6E-01
	04.01	1/3	6.9E-02	5.0E-01 *	6.9E-02		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	2/2	4.1E-02	4.8E-01	2.6E-01	2.2E-01	1.7E+00
	04.04	8/12	5.7E-02	3.5E+00 *	7.7E-01	1.4E-01	1.0E+00
Benzo(b)fluoranthene (MG/KG)							
	01	0/2	5.2E-01	7.9E-01 *	7.9E-01		
	07.01	1/1	4.3E-02	4.3E-02	4.3E-02		
	07.02	1/1	4.9E-02	4.9E-02	4.9E-02		
	02.04	3/4	1.9E-02	5.0E-01 *	8.2E-02	3.2E-02	1.6E-01
	03.01	1/1	1.6E-01	1.6E-01	1.6E-01		
	03.02	3/4	5.6E-02	9.8E-01	3.2E-01	2.3E-01	8.7E-01

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Benzo(b)fluoranthene (MG/KG)	03.03	1/1	2.8E-01	2.8E-01	2.8E-01		
	03.04	3/3	1.1E-01	2.3E-01	1.7E-01	3.5E-02	2.7E-01
	04.01	1/3	1.2E-01	5.0E-01 *	1.2E-01		
	04.02	1/1	1.6E-02	1.6E-02	1.6E-02		
	04.03	2/2	7.6E-02	1.8E-01	1.3E-01	5.0E-02	4.4E-01
	04.04	11/12	8.5E-02	3.5E+00 *	1.4E-01	1.0E-02	1.6E-01
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	1/1	4.0E-02	4.0E-02	4.0E-02		
Benzo(ghi)perylene (MG/KG)	07.02	1/1	4.6E-02	4.6E-02	4.6E-02		
	02.04	3/4	6.2E-02	5.0E-01 *	9.7E-02	3.4E-02	1.8E-01
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	1/4	2.2E-01	4.1E-01 *	2.5E-01		
	03.03	1/1	1.7E-01	1.7E-01	1.7E-01		
	03.04	2/3	9.6E-02	2.5E-01 *	1.3E-01	3.6E-02	2.4E-01
	04.01	1/3	6.2E-02	5.0E-01 *	6.2E-02		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	2/2	3.8E-02	8.9E-02	6.3E-02	2.6E-02	2.3E-01
	04.04	6/12	7.1E-02	3.5E+00 *	3.5E-01	1.3E-01	5.9E-01
	01	1/2	5.2E-01	7.9E-01	7.9E-01		
	07.01	0/1	3.5E-01	3.5E-01 *			
Benzo(k)fluoranthene (MG/KG)	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	1/4	3.1E-02	5.0E-01 *	3.1E-02		
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	3/4	2.1E-01	4.1E-01	3.1E-01	5.8E-02	4.4E-01
	03.03	1/1	6.7E-02	6.7E-02	6.7E-02		
	03.04	1/3	3.7E-02	2.5E-01 *	3.7E-02		
	04.01	1/3	1.7E-01	5.0E-01 *	1.7E-01		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	2/2	2.2E-02	4.2E-02	3.2E-02	9.8E-03	9.4E-02
	04.04	0/12	8.9E-01	3.5E+00 *			

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Beryllium (MG/KG)	01	2/2	5.9E-01	8.1E-01	7.0E-01	1.1E-01	1.4E+00
	07.01	1/1	1.0E+00	1.0E+00	1.0E+00		
	07.02	9/9	7.5E-01	1.5E+00	1.1E+00	6.8E-02	1.2E+00
	02.04	4/4	4.4E-01	7.8E-01	6.6E-01	7.9E-02	8.5E-01
	03.01	1/1	5.3E-01	5.3E-01	5.3E-01		
	03.02	5/5	3.0E-01	8.1E-01	5.5E-01	1.0E-01	7.7E-01
	03.03	1/1	9.2E-01	9.2E-01	9.2E-01		
	03.04	3/3	7.5E-01	1.7E+00	1.2E+00	2.7E-01	2.0E+00
	04.01	3/3	5.0E-01	7.7E-01	6.4E-01	8.1E-02	8.8E-01
	04.02	1/1	6.7E-01	6.7E-01	6.7E-01		
	04.03	2/2	7.7E-01	1.1E+00	9.3E-01	1.6E-01	1.9E+00
	04.04	12/12	8.2E-01	1.4E+00	1.1E+00	5.0E-02	1.2E+00
Bis(2-ethylhexyl)phthalate (MG/KG)	01	0/2	7.5E-01	1.5E+00 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	3/4	4.5E-02	5.9E-01	1.8E-01	1.4E-01	5.2E-01
	03.01	1/1	2.5E-02	2.5E-02	2.5E-02		
	03.02	3/4	1.2E-01	4.0E-01 *	2.2E-01	8.6E-02	4.2E-01
	03.03	0/1	3.6E-01	3.6E-01 *			
	03.04	2/3	1.0E-01	9.5E-01	3.9E-01	3.3E-01	1.3E+00
	04.01	3/3	2.0E-02	9.7E-01	3.4E-01	3.2E-01	1.3E+00
	04.02	1/1	5.8E-02	5.8E-02	5.8E-02		
	04.03	2/2	6.7E-02	2.8E-01	1.8E-01	1.1E-01	8.6E-01
	04.04	8/12	7.0E-02	1.9E+00 *	1.0E-01	6.8E-03	1.2E-01
Boron (MG/KG)	01	0/0					
	07.01	1/1	4.8E+00	4.8E+00	4.8E+00		
	07.02	1/1	5.8E+00	5.8E+00	5.8E+00		
	02.04	3/3	3.2E+00	3.9E+00	3.4E+00	2.3E-01	4.1E+00
	03.01	0/1	1.1E+00	1.1E+00 *			
	03.02	3/3	2.6E+00	9.4E+00	5.0E+00	2.2E+00	1.1E+01

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Boron (MG/KG)	03.03	1/1	1.2E+01	1.2E+01	1.2E+01		
	03.04	3/3	1.4E+01	4.4E+01	2.4E+01	9.8E+00	5.3E+01
	04.01	2/2	5.1E+00	7.5E+00	6.3E+00	1.2E+00	1.4E+01
	04.02	1/1	3.5E+00	3.5E+00	3.5E+00		
	04.03	2/2	3.6E+00	3.9E+00	3.8E+00	2.0E-01	5.0E+00
	04.04	11/11	3.7E+00	7.3E+00	5.5E+00	3.5E-01	6.1E+00
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
Butylbenzylphthalate (MG/KG)	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	1/4	2.9E-02	4.1E-01 *	2.9E-02		
	03.03	0/1	2.9E-01	2.9E-01 *			
	03.04	2/3	1.7E-01	2.5E-01 *	2.0E-01	3.2E-02	2.9E-01
	04.01	0/3	2.1E-01	5.0E-01 *			
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	1/2	1.9E-01	2.7E-01 *	1.9E-01		
	04.04	0/12	8.9E-01	3.5E+00 *			
	01	2/2	4.2E-01	7.3E-01	5.7E-01	1.5E-01	1.5E+00
	07.01	1/1	3.1E-01	3.1E-01	3.1E-01		
Cadmium (MG/KG)	07.02	4/9	2.6E-01	8.2E-01	4.0E-01	8.2E-02	5.6E-01
	02.04	4/4	2.0E-01	4.8E-01	3.4E-01	6.1E-02	4.8E-01
	03.01	1/1	9.2E-02	9.2E-02	9.2E-02		
	03.02	5/5	2.3E-01	1.2E+00	5.1E-01	1.9E-01	9.1E-01
	03.03	1/1	3.3E+00	3.3E+00	3.3E+00		
	03.04	3/3	7.9E-01	5.6E+00	2.4E+00	1.6E+00	7.1E+00
	04.01	3/3	1.7E-01	6.5E-01	3.6E-01	1.5E-01	7.8E-01
	04.02	1/1	1.9E-01	1.9E-01	1.9E-01		
	04.03	2/2	5.5E-01	6.0E-01	5.8E-01	2.1E-02	7.1E-01
	04.04	12/12	4.5E-01	1.4E+00	5.8E-01	7.8E-02	7.3E-01

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Calcium (MG/KG)							
	01	0/0					
	07.01	1/1	6.5E+03	6.5E+03	6.5E+03		
	07.02	1/1	4.6E+03	4.6E+03	4.6E+03		
	02.04	3/3	4.5E+03	9.1E+03	6.5E+03	1.4E+03	1.1E+04
	03.01	1/1	5.0E+02	5.0E+02	5.0E+02		
	03.02	3/3	1.3E+03	3.2E+03	2.2E+03	5.6E+02	3.9E+03
	03.03	1/1	2.6E+03	2.6E+03	2.6E+03		
	03.04	3/3	2.2E+03	6.4E+03	4.2E+03	1.2E+03	7.7E+03
	04.01	2/2	2.1E+03	2.4E+03	2.2E+03	1.5E+02	3.2E+03
	04.02	1/1	1.5E+03	1.5E+03	1.5E+03		
	04.03	2/2	3.1E+03	4.4E+03	3.7E+03	6.3E+02	7.7E+03
	04.04	11/11	1.8E+03	3.3E+03	2.8E+03	1.2E+02	3.0E+03
Carbazole (MG/KG)							
	01	0/0					
	07.01	0/1	3.5E-01	3.5E-01 *	1.6E-01		
	07.02	0/1	3.4E-01	3.4E-01 *	4.8E-02		
	02.04	0/3	2.2E-01	2.8E-01 *	6.1E-02		
	03.01	0/1	2.1E-01	2.1E-01 *	1.2E-01		
	03.02	2/3	1.2E-01	2.2E-01 *	4.1E-02		2.8E-01
	03.03	1/1	4.8E-02	4.8E-02			
	03.04	1/3	6.1E-02	2.5E-01 *			
	04.01	1/2	1.2E-01	2.2E-01 *			
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	0/2	2.7E-01	2.9E-01 *			
	04.04	0/11	8.9E-01	1.2E+00 *			
Cesium-137 (PCI/G)							
	01	3/3	1.6E-01	9.3E-01	6.0E-01	2.3E-01	1.3E+00
	07.01	1/1	3.4E-01	3.4E-01	3.4E-01		
	07.02	1/1	4.4E-01	4.4E-01	4.4E-01		
	02.04	4/4	1.1E+00	2.5E+01	8.2E+00	5.6E+00	2.1E+01
	03.01	0/1	9.9E-02	9.9E-02 *			
	03.02	4/6	4.0E-02	3.4E-01	1.4E-01	5.3E-02	2.5E-01

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Cesium-137 (PCI/G)	03.03	1/1	1.2E+00	1.2E+00	1.2E+00		
	03.04	3/3	1.3E+00	7.9E+00	5.4E+00	2.1E+00	1.1E+01
	04.01	4/4	1.0E-01	2.7E+01	7.6E+00	6.5E+00	2.3E+01
	04.02	1/1	4.0E-01	4.0E-01	4.0E-01		
	04.03	3/3	1.2E+01	1.8E+01	1.4E+01	2.1E+00	2.0E+01
	04.04	12/12	1.9E+00	2.4E+01	8.8E+00	1.9E+00	1.2E+01
	01	2/2	9.9E+00	2.0E+01	1.5E+01	4.9E+00	4.5E+01
	07.01	1/1	1.9E+01	1.9E+01	1.9E+01		
	07.02	9/9	2.0E+01	5.9E+01	3.1E+01	4.2E+00	3.9E+01
	02.04	4/4	1.1E+01	1.6E+01	1.4E+01	1.1E+00	1.7E+01
Chromium (MG/KG)	03.01	1/1	1.0E+01	1.0E+01	1.0E+01		
	03.02	5/5	9.3E+00	2.8E+01	1.8E+01	3.1E+00	2.4E+01
	03.03	1/1	4.4E+01	4.4E+01	4.4E+01		
	03.04	3/3	2.4E+01	3.9E+01	3.4E+01	5.0E+00	4.8E+01
	04.01	3/3	1.5E+01	1.8E+01	1.7E+01	9.0E-01	2.0E+01
	04.02	1/1	1.4E+01	1.4E+01	1.4E+01		
	04.03	2/2	3.1E+01	3.7E+01	3.4E+01	2.8E+00	5.2E+01
	04.04	12/12	1.1E+01	3.3E+01	2.2E+01	2.1E+00	2.6E+01
	01	1/2	5.2E-01	7.9E-01	7.9E-01		
	07.01	1/1	3.0E-02	3.0E-02	3.0E-02		
Chrysene (MG/KG)	07.02	1/1	3.6E-02	3.6E-02	3.6E-02		
	02.04	3/4	6.6E-02	5.0E-01 *	1.1E-01	2.9E-02	1.8E-01
	03.01	1/1	1.6E-01	1.6E-01	1.6E-01		
	03.02	2/4	4.7E-02	7.2E-01	2.1E-01	2.0E-01	7.0E-01
	03.03	1/1	2.4E-01	2.4E-01	2.4E-01		
	03.04	3/3	9.3E-02	1.4E-01	1.2E-01	1.5E-02	1.6E-01
	04.01	2/3	8.2E-02	5.0E-01 *	1.3E-01	4.5E-02	2.6E-01
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	2/2	7.0E-02	1.3E-01	1.0E-01	3.2E-02	3.0E-01
	04.04	8/12	6.6E-02	3.5E+00 *	1.1E-01	9.3E-03	1.3E-01

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Cobalt (MG/KG)	01	0/0					
	07.01	1/1	1.3E+01	1.3E+01	1.3E+01		
	07.02	1/1	1.3E+01	1.3E+01	1.3E+01		
	02.04	3/3	9.3E+00	2.1E+01	1.5E+01	3.3E+00	2.5E+01
	03.01	1/1	9.7E+00	9.7E+00	9.7E+00		
	03.02	3/3	1.4E+01	2.0E+01	1.7E+01	1.9E+00	2.3E+01
	03.03	1/1	2.0E+01	2.0E+01	2.0E+01		
	03.04	3/3	1.5E+01	1.8E+01	1.7E+01	9.7E-01	2.0E+01
	04.01	2/2	7.0E+00	8.6E+00	7.8E+00	8.0E-01	1.3E+01
	04.02	1/1	8.0E+00	8.0E+00	8.0E+00		
	04.03	2/2	1.4E+01	2.5E+01	2.0E+01	5.4E+00	5.4E+01
	04.04	11/11	1.2E+01	2.6E+01	1.9E+01	1.5E+00	2.2E+01
Cobalt-60 (PCI/G)	01	2/3	6.3E-02	5.8E+00	2.0E+00	2.2E+00	8.4E+00
	07.01	0/1	1.2E-01	1.2E-01 *			
	07.02	0/1	2.8E-01	2.8E-01 *			
	02.04	1/4	5.4E-02	1.8E-01	1.8E-01		
	03.01	0/1	1.1E-01	1.1E-01 *			
	03.02	1/6	2.7E-02	1.5E-01 *	3.5E-02		
	03.03	0/1	1.1E-01	1.1E-01 *			
	03.04	1/3	1.4E-01	1.9E-01 *	1.4E-01		
	04.01	2/4	4.5E-02	1.3E-01	1.1E-01	5.7E-03	1.3E-01
	04.02	0/1	1.1E-01	1.1E-01 *			
	04.03	3/3	2.8E-01	3.9E-01	3.3E-01	3.3E-02	4.3E-01
	04.04	9/12	1.3E-01	3.0E-01	2.0E-01	1.7E-02	2.3E-01
Copper (MG/KG)	01	2/2	2.6E+01	2.9E+01	2.8E+01	1.4E+00	3.6E+01
	07.01	1/1	1.7E+01	1.7E+01	1.7E+01		
	07.02	9/9	1.5E+01	3.7E+01	2.4E+01	2.6E+00	2.9E+01
	02.04	4/4	8.5E+00	1.2E+01	1.0E+01	8.3E-01	1.2E+01
	03.01	1/1	5.4E+00	5.4E+00	5.4E+00		
	03.02	5/5	9.3E+00	3.8E+01	1.8E+01	5.2E+00	2.9E+01

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Copper (MG/KG)	03.03	1/1	3.6E+01	3.6E+01	3.6E+01		
	03.04	3/3	2.4E+01	6.8E+01	5.2E+01	1.4E+01	9.3E+01
	04.01	3/3	6.2E+00	2.1E+01	1.2E+01	4.9E+00	2.6E+01
	04.02	1/1	6.3E+00	6.3E+00	6.3E+00		
	04.03	2/2	2.3E+01	3.6E+01	2.9E+01	6.6E+00	7.1E+01
	04.04	12/12	1.9E+01	5.3E+01	3.7E+01	3.2E+00	4.3E+01
Curium-243/244 (PCI/G)	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	1/1	1.4E-02	1.4E-02	1.4E-02		
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
Curium-245/246 (PCI/G)	04.03	0/0					
	04.04	1/1	2.0E-02	2.0E-02	2.0E-02		
	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	1/1	1.5E-02	1.5E-02	1.5E-02		
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	1/1	2.9E-02	2.9E-02	2.9E-02		

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Curium-248 (PCI/G)							
	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	1/1	2.9E-02	2.9E-02	2.9E-02		
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	1/1	2.7E-02	2.7E-02	2.7E-02		
Di-n-butylphthalate (MG/KG)							
	01	0/2	2.7E-01	7.9E-01 *			
	07.01	0/1	5.0E-01	5.0E-01 *			
	07.02	0/1	4.7E-01	4.7E-01 *			
	02.04	2/4	2.2E-01	4.4E-01	4.0E-01	1.8E-02	4.4E-01
	03.01	1/1	2.2E-02	2.2E-02	2.2E-02		
	03.02	0/4	2.4E-01	5.5E-01 *			
	03.03	0/1	6.2E-01	6.2E-01 *			
	03.04	0/3	2.9E-01	6.0E-01 *			
	04.01	0/3	2.2E-01	5.0E-01 *			
	04.02	0/1	5.6E-01	5.6E-01 *			
	04.03	0/2	5.1E-01	6.2E-01 *			
	04.04	0/12	8.9E-01	3.5E+00 *			
Dibenz(a,h)anthracene (MG/KG)							
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	1/4	6.4E-02	4.1E-01 *	6.4E-02		

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Dibenz(a,h)anthracene (MG/KG)	03.03	1/1	3.6E-02	3.6E-02	3.6E-02		
	03.04	1/3	2.0E-02	2.5E-01 *	2.0E-02		
	04.01	1/3	1.2E-01	5.0E-01 *	1.2E-01		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	1/2	2.3E-02	2.7E-01 *	2.3E-02		
	04.04	1/12	4.1E-01	3.5E+00 *	4.1E-01		
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
Dibenzofuran (MG/KG)	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	1/4	3.0E-02	5.0E-01 *	3.0E-02		
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	2/4	1.1E-01	4.1E-01 *	1.6E-01	5.1E-02	2.8E-01
	03.03	1/1	1.1E-01	1.1E-01	1.1E-01		
	03.04	2/3	6.9E-02	2.5E-01 *	1.5E-01	8.0E-02	3.8E-01
	04.01	1/3	5.5E-02	5.0E-01 *	5.5E-02		
	04.02	0/1	2.0E-01	2.0E-01 *			
Diethylphthalate (MG/KG)	04.03	2/2	2.3E-02	5.7E-02	4.0E-02	1.7E-02	1.5E-01
	04.04	0/12	8.9E-01	3.5E+00 *			
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	1/4	3.4E-02	5.0E-01 *	3.4E-02		
	03.01	1/1	8.1E-02	8.1E-02	8.1E-02		
	03.02	0/4	2.2E-01	4.2E-01 *			
	03.03	0/1	2.9E-01	2.9E-01 *	1.7E-01	7.1E-02	3.8E-01
	03.04	2/3	9.6E-02	2.8E-01 *			
	04.01	0/3	2.3E-01	5.0E-01 *			
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	0/2	2.7E-01	2.9E-01 *			
	04.04	0/12	8.9E-01	3.5E+00 *			

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Fluoranthene (MG/KG)							
	01	1/2	5.2E-01	8.2E-01	8.2E-01		
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	1/1	1.7E-01	1.7E-01	1.7E-01		
	02.04	4/4	9.5E-02	3.3E-01	1.9E-01	5.1E-02	3.1E-01
	03.01	1/1	1.6E-01	1.6E-01	1.6E-01		
	03.02	3/4	8.4E-02	1.4E+00	4.9E-01	3.2E-01	1.3E+00
	03.03	1/1	4.8E-01	4.8E-01	4.8E-01		
	03.04	3/3	9.0E-02	2.3E-01	1.6E-01	4.1E-02	2.8E-01
	04.01	3/3	1.7E-01	4.9E-01	2.8E-01	1.0E-01	5.9E-01
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	2/2	1.0E-01	1.6E-01	1.3E-01	2.8E-02	3.1E-01
	04.04	11/12	9.2E-02	3.5E+00 *	1.4E-01	9.4E-03	1.6E-01
Fluorene (MG/KG)							
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	1/4	1.1E-01	5.0E-01 *	1.1E-01		
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	2/4	2.0E-01	4.1E-01 *	2.0E-01	7.0E-03	2.2E-01
	03.03	1/1	4.9E-02	4.9E-02	4.9E-02		
	03.04	2/3	2.9E-02	2.5E-01 *	1.3E-01	9.9E-02	4.2E-01
	04.01	1/3	1.5E-01	5.0E-01 *	1.5E-01		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	1/2	2.9E-02	2.7E-01 *	2.9E-02		
	04.04	0/12	8.9E-01	3.5E+00 *			
Heptachlor (MG/KG)							
	01	0/2	6.0E-02	1.9E-01 *			
	07.01	0/1	7.4E-04	7.4E-04 *			
	07.02	0/1	7.0E-04	7.0E-04 *			
	02.04	0/4	4.7E-04	1.9E-01 *			
	03.01	1/1	3.9E-04	3.9E-04	3.9E-04		
	03.02	0/4	4.6E-04	3.9E-02 *			

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Heptachlor (MG/KG)	03.03	0/1	6.1E-04	6.1E-04 *			
	03.04	0/3	5.1E-04	5.8E-04 *			
	04.01	2/3	6.9E-04	1.0E-01 *	8.0E-04	1.1E-04	1.1E-03
	04.02	0/1	4.2E-04	4.2E-04 *			
	04.03	0/2	5.5E-04	6.0E-04 *			
	04.04	0/12	6.0E-04	6.3E-01 *			
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	1/1	3.8E-02	3.8E-02	3.8E-02		
	07.02	1/1	4.1E-02	4.1E-02	4.1E-02		
	02.04	3/4	5.5E-02	5.0E-01 *	9.7E-02	3.4E-02	1.8E-01
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	2/4	2.1E-01	4.1E-01 *	2.5E-01	4.2E-02	3.5E-01
Indeno(1,2,3-cd)pyrene (MG/KG)	03.03	1/1	1.6E-01	1.6E-01	1.6E-01		
	03.04	2/3	7.6E-02	2.5E-01 *	1.2E-01	4.4E-02	2.5E-01
	04.01	1/3	6.9E-02	5.0E-01 *	6.9E-02		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	2/2	4.1E-02	8.9E-02	6.5E-02	2.4E-02	2.2E-01
	04.04	2/12	4.5E-01	3.5E+00 *	6.3E-01	1.8E-01	9.6E-01
	01	0/0					
	07.01	1/1	2.4E+04	2.4E+04	2.4E+04		
	07.02	1/1	2.9E+04	2.9E+04	2.9E+04		
	02.04	3/3	1.2E+04	2.0E+04	1.7E+04	2.5E+03	2.4E+04
	03.01	1/1	1.1E+04	1.1E+04	1.1E+04		
	03.02	3/3	1.8E+04	2.0E+04	1.9E+04	9.1E+02	2.2E+04
Iron (MG/KG)	03.03	1/1	2.5E+04	2.5E+04	2.5E+04		
	03.04	3/3	2.1E+04	3.6E+04	2.8E+04	4.5E+03	4.1E+04
	04.01	2/2	1.2E+04	1.5E+04	1.3E+04	1.6E+03	2.4E+04
	04.02	1/1	1.3E+04	1.3E+04	1.3E+04		
	04.03	2/2	2.1E+04	2.6E+04	2.3E+04	2.5E+03	3.9E+04
	04.04	11/11	1.3E+04	3.1E+04	2.4E+04	1.9E+03	2.7E+04

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Kjeldahl nitrogen (MG/KG)							
	01	0/0					
	07.01	1/1	1.4E+03	1.4E+03	1.4E+03		
	07.02	1/1	1.0E+03	1.0E+03	1.0E+03		
	02.04	3/3	3.1E+02	1.3E+03	8.9E+02	2.9E+02	1.7E+03
	03.01	1/1	7.7E+01	7.7E+01	7.7E+01		
	03.02	3/3	3.7E+02	1.1E+03	6.5E+02	2.3E+02	1.3E+03
	03.03	1/1	6.1E+02	6.1E+02	6.1E+02		
	03.04	3/3	1.8E+02	4.4E+02	2.9E+02	7.8E+01	5.1E+02
	04.01	2/2	2.7E+02	4.1E+02	3.4E+02	7.2E+01	8.0E+02
	04.02	1/1	3.9E+02	3.9E+02	3.9E+02		
	04.03	2/2	9.3E+02	1.5E+03	1.2E+03	2.9E+02	3.0E+03
	04.04	11/11	7.8E+02	2.1E+03	1.7E+03	1.3E+02	1.9E+03
Lead (MG/KG)							
	01	2/2	3.0E+01	3.9E+01	3.5E+01	4.6E+00	6.3E+01
	07.01	1/1	2.1E+01	2.1E+01	2.1E+01		
	07.02	9/9	1.4E+01	3.0E+01	2.1E+01	2.1E+00	2.5E+01
	02.04	4/4	2.2E+01	6.5E+01	3.6E+01	1.0E+01	5.9E+01
	03.01	1/1	8.5E+00	8.5E+00	8.5E+00		
	03.02	5/5	7.4E+00	3.9E+01	2.0E+01	5.3E+00	3.1E+01
	03.03	1/1	3.8E+01	3.8E+01	3.8E+01		
	03.04	3/3	2.1E+01	2.7E+01	2.5E+01	2.0E+00	3.1E+01
	04.01	3/3	1.2E+01	1.6E+01	1.4E+01	1.3E+00	1.8E+01
	04.02	1/1	9.7E+00	9.7E+00	9.7E+00		
	04.03	2/2	3.0E+01	3.9E+01	3.4E+01	4.4E+00	6.2E+01
	04.04	12/12	1.5E+01	4.6E+01	3.0E+01	2.3E+00	3.4E+01
Magnesium (MG/KG)							
	01	0/0					
	07.01	1/1	2.3E+03	2.3E+03	2.3E+03		
	07.02	1/1	2.7E+03	2.7E+03	2.7E+03		
	02.04	3/3	2.3E+03	4.1E+03	2.9E+03	6.1E+02	4.7E+03
	03.01	1/1	9.5E+02	9.5E+02	9.5E+02		
	03.02	3/3	1.2E+03	2.1E+03	1.8E+03	2.8E+02	2.6E+03

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Magnesium (MG/KG)	03.03	1/1	2.2E+03	2.2E+03	2.2E+03		
	03.04	3/3	1.7E+03	2.1E+03	1.9E+03	9.5E+01	2.2E+03
	04.01	2/2	1.6E+03	2.1E+03	1.8E+03	2.4E+02	3.3E+03
	04.02	1/1	1.2E+03	1.2E+03	1.2E+03		
	04.03	2/2	2.4E+03	2.7E+03	2.6E+03	1.6E+02	3.6E+03
	04.04	11/11	1.3E+03	2.7E+03	2.0E+03	1.3E+02	2.3E+03
	01	0/0					
	07.01	1/1	1.0E+03	1.0E+03	1.0E+03		
Manganese (MG/KG)	07.02	1/1	1.6E+03	1.6E+03	1.6E+03		
	02.04	3/3	8.0E+02	4.5E+03	2.7E+03	1.1E+03	5.8E+03
	03.01	1/1	3.2E+02	3.2E+02	3.2E+02		
	03.02	3/3	5.8E+02	1.1E+03	8.6E+02	1.4E+02	1.3E+03
	03.03	1/1	6.9E+02	6.9E+02	6.9E+02		
	03.04	3/3	5.9E+02	7.4E+02	6.6E+02	4.1E+01	7.8E+02
	04.01	2/2	2.9E+02	8.4E+02	5.7E+02	2.8E+02	2.3E+03
	04.02	1/1	6.7E+02	6.7E+02	6.7E+02		
	04.03	2/2	1.3E+03	1.6E+03	1.5E+03	1.2E+02	2.2E+03
	04.04	11/11	6.2E+02	2.0E+03	1.4E+03	1.4E+02	1.7E+03
	01	2/2	5.9E-02	1.2E-01	9.2E-02	3.2E-02	3.0E-01
	07.01	1/1	1.7E-01	1.7E-01	1.7E-01		
	07.02	1/9	5.0E-02	2.3E-01 *	1.2E-01	4.3E-02	2.3E-01
	02.04	4/4	7.2E-02	2.5E-01	1.2E-01		
	03.01	1/1	3.9E-02	3.9E-02	3.9E-02		
	03.02	5/5	2.5E-02	6.1E+00	1.7E+00	1.1E+00	4.1E+00
	03.03	1/1	6.7E+00	6.7E+00	6.7E+00		
Mercury (MG/KG)	03.04	3/3	4.5E+00	2.6E+01	1.2E+01	6.7E+00	3.2E+01
	04.01	3/3	3.3E-01	1.2E+01	4.6E+00	3.8E+00	1.6E+01
	04.02	1/1	3.4E-01	3.4E-01	3.4E-01		
	04.03	2/2	3.2E+00	3.5E+00	3.4E+00	1.6E-01	4.4E+00
	04.04	12/12	1.0E+00	5.6E+00	2.5E+00	3.3E-01	3.1E+00

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
N-Nitroso-di-n-propylamine (MG/KG)	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	0/4	2.2E-01	4.1E-01 *			
	03.03	0/1	2.9E-01	2.9E-01 *			
	03.04	0/3	2.5E-01	2.8E-01 *			
	04.01	1/3	2.1E-01	5.0E-01	5.0E-01		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	0/2	2.7E-01	2.9E-01 *			
	04.04	0/12	8.9E-01	3.5E+00 *			
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	1/1	3.7E-02	3.7E-02	3.7E-02		
	02.04	4/4	1.8E-02	4.7E-01	1.4E-01	1.1E-01	4.0E-01
Naphthalene (MG/KG)	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	2/4	4.4E-02	4.1E-01 *	1.0E-01	6.0E-02	2.5E-01
	03.03	1/1	2.1E-01	2.1E-01	2.1E-01		
	03.04	3/3	1.3E-01	2.0E-01	1.6E-01	2.0E-02	2.2E-01
	04.01	2/3	1.6E-02	5.0E-01 *	3.3E-02	1.7E-02	8.4E-02
	04.02	1/1	1.6E-02	1.6E-02	1.6E-02		
	04.03	2/2	5.6E-02	1.1E-01	8.5E-02	2.9E-02	2.7E-01
	04.04	8/12	4.5E-02	3.5E+00 *	2.1E-01	9.1E-02	3.7E-01
	01	2/2	1.4E+01	2.3E+01	1.8E+01	4.9E+00	4.9E+01
	07.01	1/1	2.1E+01	2.1E+01	2.1E+01		
	07.02	9/9	1.8E+01	4.1E+01	2.7E+01	2.1E+00	3.1E+01
	02.04	4/4	1.1E+01	1.5E+01	1.4E+01	9.4E-01	1.6E+01
	03.01	1/1	1.0E+01	1.0E+01	1.0E+01		
	03.02	5/5	7.8E+00	7.1E+01	3.0E+01	1.1E+01	5.2E+01
Nickel (MG/KG)							

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
PCB-1260 (MG/KG)							
	01	0/2	1.2E+00	3.8E+00 *			
	07.01	0/1	1.5E-02	1.5E-02 *			
	07.02	0/1	1.3E-02	1.3E-02 *			
	02.04	0/4	9.0E-03	3.7E+00 *			
	03.01	0/1	8.2E-03	8.2E-03 *			
	03.02	1/4	8.9E-03	7.9E-01 *	2.8E-01		
	03.03	0/1	1.1E-02	1.1E-02 *			
	03.04	3/3	3.3E-02	1.3E-01	6.5E-02	3.0E-02	1.5E-01
	04.01	1/3	9.0E-03	2.1E+00 *	1.5E-02		
	04.02	0/1	8.2E-03	8.2E-03 *			
	04.03	2/2	2.8E-02	3.4E-02	3.1E-02	3.1E-03	5.1E-02
	04.04	0/12	1.1E-02	1.2E+01 *			
Pentachlorophenol (MG/KG)							
	01	0/2	2.5E+00	3.8E+00 *			
	07.01	0/1	8.6E-01	8.6E-01 *			
	07.02	0/1	8.2E-01	8.2E-01 *			
	02.04	1/3	1.7E-01	2.4E+00 *	1.7E-01		
	03.01	1/1	1.5E-01	1.5E-01	1.5E-01		
	03.02	0/4	5.4E-01	2.0E+00 *			
	03.03	0/1	7.1E-01	7.1E-01 *			
	03.04	0/3	5.9E-01	6.8E-01 *			
	04.01	1/3	4.4E-01	2.4E+00 *	4.4E-01		
	04.02	0/1	4.9E-01	4.9E-01 *			
	04.03	0/2	6.5E-01	7.0E-01 *			
	04.04	0/12	2.2E+00	1.7E+01 *			
Phenanthrene (MG/KG)							
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	1/1	2.7E-02	2.7E-02	2.7E-02		
	07.02	1/1	5.5E-02	5.5E-02	5.5E-02		
	02.04	4/4	2.5E-02	3.3E-01	1.4E-01	6.8E-02	3.0E-01
	03.01	1/1	1.6E-01	1.6E-01	1.6E-01		
	03.02	3/4	4.1E-02	1.4E+00	4.7E-01	3.4E-01	1.3E+00

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Phenanthrene (MG/KG)	03.03	1/1	3.8E-01	3.8E-01	3.8E-01		
	03.04	3/3	7.0E-02	2.4E-01	1.4E-01	5.0E-02	2.8E-01
	04.01	3/3	1.3E-01	5.0E-01	2.7E-01	1.2E-01	6.1E-01
	04.02	1/1	1.9E-02	1.9E-02	1.9E-02		
	04.03	2/2	9.0E-02	2.0E-01	1.5E-01	5.7E-02	5.0E-01
	04.04	11/12	1.0E-01	3.5E+00 *	1.5E-01	1.3E-02	1.8E-01
	01	0/2	5.2E-01	7.9E-01 *			
	07.01	0/1	3.5E-01	3.5E-01 *			
	07.02	0/1	3.4E-01	3.4E-01 *			
	02.04	0/4	2.2E-01	5.0E-01 *			
Phenol (MG/KG)	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	1/4	2.2E-01	4.1E-01 *	2.2E-01		
	03.03	1/1	2.1E-01	2.1E-01	2.1E-01		
	03.04	1/3	6.8E-02	2.5E-01 *	6.8E-02		
	04.01	1/3	1.8E-01	5.0E-01 *	1.8E-01		
	04.02	0/1	2.0E-01	2.0E-01 *			
	04.03	0/2	2.7E-01	2.9E-01 *			
	04.04	0/12	8.9E-01	3.5E+00 *			
	01	0/0					
	07.01	0/0					
Plutonium-238 (PCI/G)	07.02	0/0					
	02.04	1/1	2.8E-02	2.8E-02	2.8E-02		
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	1/1	2.1E-02	2.1E-02	2.1E-02		

Analyte

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Plutonium-239/240 (PCI/G)	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	1/1	1.9E-01	1.9E-01	1.9E-01		
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	1/1	2.6E-01	2.6E-01	2.6E-01		
	01	0/0					
Potassium (MG/KG)	07.01	1/1	1.4E+03	1.4E+03	1.4E+03		
	07.02	1/1	2.0E+03	2.0E+03	2.0E+03		
	02.04	3/3	9.5E+02	9.6E+02	9.5E+02	3.8E+00	9.6E+02
	03.01	1/1	6.1E+02	6.1E+02	6.1E+02		
	03.02	3/3	9.2E+02	1.7E+03	1.3E+03	2.3E+02	1.9E+03
	03.03	1/1	1.7E+03	1.7E+03	1.7E+03		
	03.04	3/3	1.2E+03	2.4E+03	1.8E+03	3.5E+02	2.8E+03
	04.01	2/2	9.2E+02	1.6E+03	1.3E+03	3.3E+02	3.3E+03
	04.02	1/1	8.5E+02	8.5E+02	8.5E+02		
	04.03	2/2	1.1E+03	1.4E+03	1.2E+03	1.2E+02	2.0E+03
	04.04	11/11	4.8E+02	1.7E+03	1.2E+03	1.2E+02	1.4E+03
	01	1/2	5.2E-01	8.1E-01	8.1E-01		
	07.01	1/1	4.8E-02	4.8E-02	4.8E-02		
	07.02	1/1	7.0E-02	7.0E-02	7.0E-02		
Pyrene (MG/KG)	02.04	2/4	3.5E-02	3.6E-01	1.2E-01	9.8E-02	3.5E-01
	03.01	1/1	2.6E-02	2.6E-02	2.6E-02		
	03.02	3/4	7.6E-02	1.3E+00	4.6E-01	3.0E-01	1.2E+00

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Pyrene (MG/KG)	03.03	1/1	3.0E-01	3.0E-01	3.0E-01		
	03.04	3/3	1.0E-01	2.1E-01	1.6E-01	3.2E-02	2.6E-01
	04.01	3/3	1.6E-01	4.9E-01	2.7E-01	1.1E-01	5.9E-01
	04.02	1/1	1.7E-02	1.7E-02	1.7E-02		
	04.03	2/2	1.0E-01	1.7E-01	1.4E-01	3.4E-02	3.5E-01
	04.04	11/12	9.9E-02	3.5E+00 *	1.6E-01	1.0E-02	1.8E-01
	01	2/2	4.2E-01	6.9E-01	5.6E-01	1.4E-01	1.4E+00
	07.01	1/1	9.5E+00	9.5E+00	9.5E+00		
Selenium (MG/KG)	07.02	7/9	2.7E-01	3.5E+00	1.2E+00	3.5E-01	1.9E+00
	02.04	1/3	3.3E-01	2.4E+00 *	3.3E-01		
	03.01	0/1	2.0E+00	2.0E+00 *			
	03.02	2/4	2.5E-01	1.4E+00 *	2.8E-01	2.5E-02	3.3E-01
	03.03	0/1	1.3E+00	1.3E+00 *			
	03.04	2/3	7.4E-01	1.6E+00	1.0E+00	3.0E-01	1.9E+00
	04.01	1/3	1.9E-01	3.8E-01 *	2.1E-01		
	04.02	0/1	3.1E-01	3.1E-01 *			
	04.03	1/2	3.5E-01	9.4E-01 *	3.5E-01		
	04.04	8/12	1.8E-01	1.2E+00	6.3E-01	1.2E-01	8.4E-01
	01	2/2	2.0E-01	3.3E-01	2.7E-01	6.2E-02	6.6E-01
	07.01	1/1	4.6E-02	4.6E-02	4.6E-02		
Silver (MG/KG)	07.02	6/9	2.5E-02	2.6E-01	1.0E-01	2.6E-02	1.5E-01
	02.04	4/4	7.3E-02	5.5E-01	2.4E-01	1.1E-01	4.9E-01
	03.01	1/1	3.2E-02	3.2E-02	3.2E-02		
	03.02	5/5	2.2E-02	1.2E+00	3.0E-01	2.2E-01	7.6E-01
	03.03	1/1	3.3E+00	3.3E+00	3.3E+00		
	03.04	3/3	6.4E-01	1.4E+00	9.8E-01	2.3E-01	1.6E+00
	04.01	3/3	5.0E-02	1.8E+00	6.4E-01	5.8E-01	2.3E+00
	04.02	1/1	4.0E-02	4.0E-02	4.0E-02		
	04.03	2/2	3.9E-01	4.1E-01	4.0E-01	1.2E-02	4.8E-01
	04.04	11/11	2.0E-01	1.0E+00	3.9E-01	6.5E-02	5.1E-01

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Sodium (MG/KG)	01	0/0					
	07.01	1/1	4.7E+01	4.7E+01	4.7E+01		
	07.02	1/1	5.4E+01	5.4E+01	5.4E+01		
	02.04	3/3	2.8E+01	3.6E+01	3.3E+01	2.5E+00	4.0E+01
	03.01	1/1	2.3E+01	2.3E+01	2.3E+01		
	03.02	3/3	5.0E+01	5.0E+01	5.0E+01	1.4E-01	5.0E+01
	03.03	1/1	7.4E+01	7.4E+01	7.4E+01		
	03.04	3/3	7.5E+01	3.0E+02	1.8E+02	6.7E+01	3.8E+02
	04.01	2/2	3.1E+01	4.1E+01	3.6E+01	5.2E+00	6.9E+01
	04.02	1/1	2.1E+01	2.1E+01	2.1E+01		
	04.03	2/2	4.6E+01	4.7E+01	4.6E+01	4.3E-01	4.9E+01
	04.04	11/11	4.0E+01	7.6E+01	6.2E+01	3.6E+00	6.8E+01
Strontium-90 (PCI/G)	01	0/0					
	07.01	1/1	2.1E+00	2.1E+00	2.1E+00		
	07.02	0/1	9.7E-01	9.7E-01 *			
	02.04	4/4	3.2E-01	3.5E+00	1.8E+00	6.7E-01	3.3E+00
	03.01	0/1	1.3E+00	1.3E+00 *			
	03.02	2/4	8.4E-01	2.7E+00	1.9E+00	3.2E-01	2.6E+00
	03.03	0/1	1.0E+00	1.0E+00 *			
	03.04	0/3	9.6E-01	1.3E+00 *			
	04.01	0/2	1.1E+00	1.3E+00 *			
	04.02	0/1	3.0E+00	3.0E+00 *			
	04.03	0/2	1.2E+00	2.2E+00 *			
	04.04	3/12	3.6E-01	1.6E+00	5.6E-01	1.6E-01	8.6E-01
Technetium-99 (PCI/G)	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	0/0					
	03.01	0/1	3.5E+00	3.5E+00 *			
	03.02	2/4	1.6E+00	5.3E+01	3.4E+01	7.7E+00	5.2E+01

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Technetium-99 (PCI/G)							
	03.03	0/1	3.5E+00	3.5E+00 *			
	03.04	2/3	3.6E+00	3.8E+00	3.7E+00	6.9E-02	3.9E+00
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	0/0					
Thallium (MG/KG)							
	01	0/2	3.2E-01	4.5E-01 *			
	07.01	0/1	4.2E-01	4.2E-01 *			
	07.02	1/9	2.5E-01	5.7E-01	5.7E-01		
	02.04	0/4	1.8E-01	3.2E-01 *			
	03.01	0/1	1.4E-01	1.4E-01 *			
	03.02	0/5	1.7E-01	3.0E-01 *			
	03.03	0/1	2.9E-01	2.9E-01 *			
	03.04	2/3	2.1E-01	7.2E-01	3.8E-01	2.0E-01	9.6E-01
	04.01	0/3	1.2E-01	3.1E-01 *			
	04.02	0/1	2.5E-01	2.5E-01 *			
	04.03	0/2	2.8E-01	3.6E-01 *			
	04.04	0/12	1.1E-01	4.1E-01 *			
Total combustible organics (TCO) (MG/KG)							
	01	0/0					
	07.01	1/1	5.7E+05	5.7E+05	5.7E+05		
	07.02	1/1	5.7E+05	5.7E+05	5.7E+05		
	02.04	3/3	2.9E+05	4.2E+05	3.5E+05	3.9E+04	4.6E+05
	03.01	1/1	3.3E+04	3.3E+04	3.3E+04		
	03.02	4/4	6.2E+04	4.0E+05	2.3E+05	9.4E+04	4.5E+05
	03.03	1/1	8.9E+04	8.9E+04	8.9E+04		
	03.04	3/3	4.1E+04	7.5E+04	5.6E+04	9.8E+03	8.5E+04
	04.01	2/2	4.1E+04	4.6E+04	4.4E+04	2.5E+03	6.0E+04
	04.02	1/1	2.2E+05	2.2E+05	2.2E+05		
	04.03	2/2	4.2E+05	4.8E+05	4.5E+05	2.9E+04	6.3E+05
	04.04	11/11	1.3E+04	5.4E+05	1.2E+05	4.3E+04	2.0E+05

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Total organic carbon (TOC) (MG/KG)	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	3/3	4.1E+03	1.3E+04	9.6E+03	2.8E+03	1.8E+04
	03.01	1/1	6.3E+03	6.3E+03	6.3E+03		
	03.02	3/3	1.3E+04	1.9E+05	7.7E+04	5.9E+04	2.5E+05
	03.03	1/1	1.7E+04	1.7E+04	1.7E+04		
	03.04	1/1	1.3E+04	1.3E+04	1.3E+04		
	04.01	2/2	8.2E+03	9.7E+03	9.0E+03	7.4E+02	1.4E+04
	04.02	1/1	9.5E+03	9.5E+03	9.5E+03		
	04.03	2/2	1.9E+04	2.2E+04	2.0E+04	1.1E+03	2.7E+04
	04.04	11/11	2.1E+04	4.6E+04	2.6E+04	2.2E+03	3.0E+04
Uranium (MG/KG)	01	0/0					
	07.01	1/1	7.8E-01	7.8E-01	7.8E-01		
	07.02	1/1	7.3E-01	7.3E-01	7.3E-01		
	02.04	3/3	3.5E-01	9.6E-01	6.0E-01	1.9E-01	1.1E+00
	03.01	1/1	6.1E-01	6.1E-01	6.1E-01		
	03.02	3/3	1.2E+00	1.6E+01	7.0E+00	4.8E+00	2.1E+01
	03.03	1/1	8.7E+00	8.7E+00	8.7E+00		
	03.04	3/3	3.4E+00	1.6E+01	8.5E+00	3.9E+00	2.0E+01
	04.01	2/2	3.9E-01	7.1E-01	5.5E-01	1.6E-01	1.6E+00
	04.02	1/1	3.1E-01	3.1E-01	3.1E-01		
	04.03	2/2	1.7E+00	2.2E+00	2.0E+00	2.3E-01	3.4E+00
	04.04	11/11	9.5E-01	2.2E+00	1.5E+00	1.3E-01	1.7E+00
Uranium-234 (PCI/G)	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	1/1	1.4E+00	1.4E+00	1.4E+00		
	03.01	1/1	6.1E-01	6.1E-01	6.1E-01		
	03.02	4/4	1.1E+00	1.1E+01	5.7E+00	2.6E+00	1.2E+01

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Uranium-234 (PCI/G)	03.03	1/1	3.5E+00	3.5E+00	3.5E+00		
	03.04	3/3	1.5E+00	6.1E+00	4.1E+00	1.4E+00	8.1E+00
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
Uranium-235 (PCI/G)	04.04	1/1	2.2E+00	2.2E+00	2.2E+00		
	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	1/1	6.2E-02	6.2E-02	6.2E-02		
	03.01	0/1	2.5E-02	2.5E-02 *			
	03.02	4/4	5.2E-02	5.5E-01	2.5E-01	1.2E-01	5.3E-01
	03.03	1/1	1.7E-01	1.7E-01	1.7E-01		
	03.04	3/3	1.1E-01	3.7E-01	2.4E-01	7.2E-02	4.5E-01
	04.01	0/0					
Uranium-238 (PCI/G)	04.02	0/0					
	04.03	0/0					
	04.04	1/1	1.2E-01	1.2E-01	1.2E-01		
	01	0/0					
	07.01	0/0					
	07.02	0/0					
	02.04	1/1	1.2E+00	1.2E+00	1.2E+00		
	03.01	1/1	4.7E-01	4.7E-01	4.7E-01		
	03.02	4/4	1.0E+00	6.9E+00	3.7E+00	1.5E+00	7.2E+00
	03.03	1/1	2.0E+00	2.0E+00	2.0E+00		
	03.04	3/3	8.8E-01	5.0E+00	3.5E+00	1.3E+00	7.3E+00
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	1/1	1.9E+00	1.9E+00	1.9E+00		

Table C4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Vanadium (MG/KG)							
	01	0/0					
	07.01	1/1	4.3E+01	4.3E+01	4.3E+01		
	07.02	1/1	3.1E+01	3.1E+01	3.1E+01		
	02.04	3/3	1.2E+01	2.0E+01	1.6E+01	2.3E+00	2.3E+01
	03.01	1/1	1.1E+01	1.1E+01	1.1E+01		
	03.02	3/3	1.5E+01	2.2E+01	1.9E+01	1.9E+00	2.4E+01
	03.03	1/1	2.2E+01	2.2E+01	2.2E+01		
	03.04	3/3	1.8E+01	5.9E+01	3.8E+01	1.2E+01	7.2E+01
	04.01	2/2	1.2E+01	1.6E+01	1.4E+01	2.1E+00	2.7E+01
	04.02	1/1	1.2E+01	1.2E+01	1.2E+01		
	04.03	2/2	2.1E+01	2.7E+01	2.4E+01	2.9E+00	4.2E+01
	04.04	11/11	1.6E+01	3.3E+01	2.6E+01	1.7E+00	2.9E+01
Zinc (MG/KG)							
	01	2/2	7.0E+01	1.2E+02	9.6E+01	2.6E+01	2.6E+02
	07.01	1/1	7.4E+01	7.4E+01	7.4E+01		
	07.02	9/9	4.6E+01	1.0E+02	7.7E+01	6.9E+00	9.0E+01
	02.04	4/4	5.3E+01	6.8E+01	6.1E+01	3.3E+00	6.9E+01
	03.01	1/1	2.8E+01	2.8E+01	2.8E+01		
	03.02	5/5	5.0E+01	1.5E+02	7.7E+01	1.9E+01	1.2E+02
	03.03	1/1	1.6E+02	1.6E+02	1.6E+02		
	03.04	3/3	9.3E+01	1.2E+02	1.0E+02	6.7E+00	1.2E+02
	04.01	3/3	4.6E+01	6.5E+01	5.7E+01	5.7E+00	7.4E+01
	04.02	1/1	4.7E+01	4.7E+01	4.7E+01		
	04.03	2/2	9.0E+01	1.1E+02	1.0E+02	1.2E+01	1.8E+02
	04.04	12/12	9.2E+01	1.6E+02	1.3E+02	6.8E+00	1.4E+02

* Maximum value is a non-detect

Table C5. Summary statistics for contaminants in sediment pore water.

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Aldrin (MG/L)	00	0/2	1.0E-05	1.0E-05 *			
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/1	1.0E-05	1.0E-05 *			
	02.03	0/1	1.0E-05	1.0E-05 *			
	02.04	0/3	1.0E-05	1.0E-05 *			
	13	0/4	1.0E-05	1.0E-05 *			
	03.01	1/1	1.1E-05	1.1E-05	1.1E-05		
	03.02	0/5	1.0E-05	1.0E-05 *			
	03.03	0/5	1.0E-05	1.0E-05 *			
	03.04	0/2	1.0E-05	1.0E-05 *			
	04.01	0/5	1.0E-05	1.0E-05 *			
	04.02	0/0					
	04.03	0/2	1.0E-05	1.0E-05 *			
	04.04	0/0					
Aluminum (MG/L)	18	0/4	6.4E-06	1.0E-05 *			
	00	5/5	1.6E-02	4.4E-01	1.3E-01	7.9E-02	3.0E-01
	08	1/1	2.7E-02	2.7E-02	2.7E-02		
	07.01	1/1	3.1E-02	3.1E-02	3.1E-02		
	07.02	1/1	2.7E-01	2.7E-01	2.7E-01		
	02.01	1/1	1.8E-02	1.8E-02	1.8E-02		
	02.03	1/1	1.7E-02	1.7E-02	1.7E-02		
	02.04	6/6	1.2E-02	4.3E-02	2.4E-02	4.6E-03	3.3E-02
	13	0/5	6.0E-03	3.3E-02 *			
	03.01	1/2	1.6E-02	4.3E-02	4.3E-02		
	03.02	6/8	6.2E-03	7.5E-02	2.5E-02	8.7E-03	4.1E-02
	03.03	7/9	7.0E-03	3.5E-02	1.4E-02	2.9E-03	1.9E-02
	03.04	4/6	6.0E-03	9.0E-02	3.3E-02	1.2E-02	5.7E-02
	04.01	9/9	1.1E-02	6.2E-01	1.2E-01	7.1E-02	2.5E-01
	04.02	6/6	1.2E-02	9.0E-02	3.3E-02	1.2E-02	5.8E-02

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Aluminum (MG/L)	04.03	6/7	1.0E-02	3.4E-02	2.0E-02	3.0E-03	2.6E-02
	04.04	11/11	1.4E-02	1.2E-01	4.9E-02	1.2E-02	7.1E-02
	18	3/3	3.9E-02	3.1E-01	1.3E-01	9.1E-02	4.0E-01
	00	5/5	1.0E+00	3.4E+00	2.0E+00	4.0E-01	2.9E+00
	08	1/1	1.5E+00	1.5E+00	1.5E+00		
	07.01	1/1	2.0E+00	2.0E+00	2.0E+00		
	07.02	1/1	1.2E+00	1.2E+00	1.2E+00		
	02.01	1/1	6.4E-02	6.4E-02	6.4E-02		
	02.03	0/1	5.0E-02	5.0E-02 *			
	02.04	5/6	5.0E-02	2.9E+00	9.3E-01	4.5E-01	1.8E+00
	13	5/5	3.2E-01	2.5E+00	1.4E+00	3.7E-01	2.2E+00
	03.01	2/2	8.2E-01	9.5E-01	8.9E-01	6.5E-02	1.3E+00
	03.02	8/8	2.4E-01	9.0E+00	2.6E+00	9.9E-01	4.5E+00
Ammonium nitrogen (MG/L)	03.03	9/9	1.3E-01	2.4E+00	1.4E+00	2.6E-01	1.8E+00
	03.04	6/6	8.7E-01	3.6E+00	2.2E+00	4.4E-01	3.0E+00
	04.01	7/7	7.1E-02	1.2E+00	5.6E-01	1.5E-01	8.6E-01
	04.02	6/6	6.5E-01	2.8E+00	1.5E+00	3.2E-01	2.1E+00
	04.03	7/7	3.4E-01	4.9E+00	1.5E+00	6.2E-01	2.7E+00
	04.04	11/11	5.6E-01	4.4E+00	1.6E+00	4.3E-01	2.3E+00
	18	3/3	4.6E-01	5.4E+00	2.2E+00	1.6E+00	6.9E+00
	00	5/5	2.6E-03	3.7E-03	3.1E-03	2.4E-04	3.6E-03
	08	1/1	5.0E-03	5.0E-03	5.0E-03		
	07.01	1/1	5.7E-03	5.7E-03	5.7E-03		
	07.02	1/1	5.3E-03	5.3E-03	5.3E-03		
	02.01	1/1	5.2E-03	5.2E-03	5.2E-03		
	02.03	1/1	3.2E-03	3.2E-03	3.2E-03		
	02.04	6/6	1.7E-03	1.0E-02	4.5E-03	1.2E-03	7.0E-03
	13	4/5	1.0E-03	4.5E-03	1.8E-03	6.9E-04	3.3E-03
	03.01	2/2	3.3E-03	4.6E-03	4.0E-03	6.5E-04	8.1E-03
	03.02	8/8	1.5E-03	5.9E-03	2.6E-03	5.0E-04	3.6E-03
	03.03	9/9	1.7E-03	5.8E-03	2.8E-03	4.1E-04	3.6E-03
Antimony (MG/L)	04.03	6/7	1.0E-02	3.4E-02	2.0E-02	3.0E-03	2.6E-02
	04.04	11/11	1.4E-02	1.2E-01	4.9E-02	1.2E-02	7.1E-02
	18	3/3	3.9E-02	3.1E-01	1.3E-01	9.1E-02	4.0E-01
	00	5/5	1.0E+00	3.4E+00	2.0E+00	4.0E-01	2.9E+00
	08	1/1	1.5E+00	1.5E+00	1.5E+00		
	07.01	1/1	2.0E+00	2.0E+00	2.0E+00		
	07.02	1/1	1.2E+00	1.2E+00	1.2E+00		
	02.01	1/1	6.4E-02	6.4E-02	6.4E-02		
	02.03	0/1	5.0E-02	5.0E-02 *			
	02.04	5/6	5.0E-02	2.9E+00	9.3E-01	4.5E-01	1.8E+00
	13	5/5	3.2E-01	2.5E+00	1.4E+00	3.7E-01	2.2E+00
	03.01	2/2	8.2E-01	9.5E-01	8.9E-01	6.5E-02	1.3E+00
	03.02	8/8	2.4E-01	9.0E+00	2.6E+00	9.9E-01	4.5E+00
	03.03	9/9	1.3E-01	2.4E+00	1.4E+00	2.6E-01	1.8E+00

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Antimony (MG/L)	03.04	6/6	2.0E-03	1.3E-02	4.6E-03	1.7E-03	8.1E-03
	04.01	9/9	1.6E-03	1.4E-02	3.8E-03	1.3E-03	6.2E-03
	04.02	6/6	2.7E-03	8.0E-03	5.4E-03	7.8E-04	7.0E-03
	04.03	7/7	1.5E-03	5.8E-03	3.5E-03	5.2E-04	4.5E-03
	04.04	11/11	1.2E-03	1.3E-02	5.9E-03	1.1E-03	7.8E-03
	18	3/3	4.5E-03	5.8E-03	5.1E-03	3.8E-04	6.2E-03
	00	0/5	1.0E-03	3.0E-03 *			
	08	0/1	3.0E-03	3.0E-03 *			
	07.01	1/1	1.3E-01	1.3E-01	1.3E-01		
	07.02	1/1	1.5E-02	1.5E-02	1.5E-02		
Arsenic (MG/L)	02.01	0/1	1.0E-03	1.0E-03 *			
	02.03	0/1	1.0E-03	1.0E-03 *			
	02.04	2/6	1.0E-03	3.3E-03	2.3E-03	2.6E-04	2.8E-03
	13	0/5	1.0E-03	1.0E-03 *			
	03.01	0/2	1.0E-03	1.0E-03 *			
	03.02	5/8	1.0E-03	6.4E-03	2.1E-03	6.6E-04	3.3E-03
	03.03	3/9	2.1E-03	1.0E-02	3.3E-03	1.0E-03	5.2E-03
	03.04	6/6	2.2E-03	1.2E-01	2.5E-02	2.0E-02	6.5E-02
	04.01	0/9	1.0E-03	1.0E-03 *			
	04.02	2/6	1.0E-03	3.0E-03 *	1.7E-03	6.5E-04	3.0E-03
Barium (MG/L)	04.03	2/7	1.5E-03	3.0E-03 *	1.6E-03	8.5E-05	1.8E-03
	04.04	5/11	1.0E-03	3.9E-03	1.9E-03	2.2E-04	2.3E-03
	18	2/3	1.0E-03	1.3E-03	1.2E-03	3.8E-05	1.3E-03
	00	5/5	3.0E-02	1.0E-01	7.7E-02	1.4E-02	1.1E-01
	08	1/1	5.4E-02	5.4E-02	5.4E-02		
	07.01	1/1	6.0E-02	6.0E-02	6.0E-02		
	07.02	1/1	6.2E-02	6.2E-02	6.2E-02		
	02.01	1/1	9.7E-02	9.7E-02	9.7E-02		
	02.03	1/1	2.8E-02	2.8E-02	2.8E-02		
	02.04	6/6	1.6E-02	8.7E-02	4.7E-02	1.1E-02	7.0E-02
	13	5/5	4.1E-02	1.2E-01	7.5E-02	1.4E-02	1.1E-01

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Bis(2-ethylhexyl)phthalate (MK/KG)	02.03	0/1	5.0E-03	5.0E-03 *			
	02.04	1/3	1.0E-03	5.0E-03 *	1.0E-03		
	13	0/4	5.0E-03	5.0E-03 *			
	03.01	0/1	5.0E-03	5.0E-03 *			
	03.02	1/5	2.0E-03	5.0E-03 *	2.0E-03		
	03.03	1/5	3.5E-03	1.0E-02 *	3.5E-03		
	03.04	0/2	5.0E-03	7.0E-03 *			
	04.01	2/5	1.0E-03	1.0E-02 *	2.3E-03	1.3E-03	4.9E-03
	04.02	0/0					
	04.03	0/2	5.5E-03	7.0E-03 *			
	04.04	0/0					
	18	0/5	5.0E-03	5.0E-03 *			
	00	4/5	1.8E-02	1.7E-01	6.2E-02	2.9E-02	1.3E-01
	08	0/1	1.8E-02	1.8E-02 *	4.4E-02		
	07.01	1/1	4.4E-02	4.4E-02	3.5E-02		
	07.02	1/1	3.5E-02	3.5E-02			
	02.01	0/1	2.0E-02	2.0E-02 *			
Boron (MG/L)	02.03	0/1	1.5E-02	1.5E-02 *	4.3E-02	6.6E-03	5.6E-02
	02.04	4/6	1.8E-02	6.7E-02	3.1E-02	6.6E-03	4.5E-02
	13	2/5	1.1E-02	4.8E-02 *	5.5E-02		
	03.01	1/2	5.1E-02	5.5E-02	5.9E-02	9.3E-03	7.7E-02
	03.02	6/8	1.8E-02	9.7E-02	5.4E-02	7.9E-03	6.9E-02
	03.03	8/9	2.9E-02	8.9E-02	2.7E-01	1.8E-01	6.4E-01
	03.04	5/6	7.0E-03	1.2E+00	3.4E-02	5.0E-03	4.4E-02
	04.01	9/9	1.9E-02	6.3E-02	3.8E-02	4.6E-03	4.7E-02
	04.02	5/6	1.8E-02	4.8E-02	3.9E-02	2.9E-03	4.5E-02
	04.03	6/7	1.8E-02	5.0E-02	3.0E-02	1.6E-03	3.3E-02
	04.04	11/11	2.2E-02	4.0E-02	3.2E-02	4.4E-03	4.5E-02
	18	3/3	2.4E-02	3.9E-02			
	00	0/5	1.0E-03	1.0E-03 *			
	08	0/1	1.0E-03	1.0E-03 *			
Cadmium (MG/L)							

Table C5. (continued)

Analyte	Sub reach	Frequency of Detectis	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Cadmium (MG/L)	07.01	0/1	1.0E-03	1.0E-03 *			
	07.02	0/1	1.0E-03	1.0E-03 *			
	02.01	0/1	1.0E-03	1.0E-03 *			
	02.03	0/1	1.0E-03	1.0E-03 *			
	02.04	0/6	1.0E-03	1.0E-03 *			
	13	0/5	1.0E-03	1.0E-03 *			
	03.01	0/2	1.0E-03	1.0E-03 *			
	03.02	0/8	1.0E-03	1.0E-03 *			
	03.03	0/9	1.0E-03	1.0E-03 *			
	03.04	0/6	1.0E-03	1.0E-03 *			
	04.01	0/9	1.0E-03	1.0E-03 *			
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	0/7	1.0E-03	1.0E-03 *			
	04.04	1/11	1.0E-03	1.0E-03	1.0E-03		
	18	0/3	1.0E-03	1.0E-03 *			
	00	5/5	2.6E+01	4.4E+01	3.3E+01	3.4E+00	4.0E+01
	08	1/1	4.2E+01	4.2E+01	4.2E+01		
	07.01	1/1	4.9E+01	4.9E+01	4.9E+01		
	07.02	1/1	3.7E+01	3.7E+01	3.7E+01		
	02.01	1/1	4.3E+01	4.3E+01	4.3E+01		
Calcium (MG/L)	02.03	1/1	3.0E+01	3.0E+01	3.0E+01		
	02.04	6/6	2.3E+01	4.0E+01	2.9E+01	2.5E+00	3.4E+01
	13	5/5	1.9E+01	5.3E+01	3.6E+01	5.5E+00	4.8E+01
	03.01	1/2	2.7E-02	2.0E+01	2.0E+01		
	03.02	6/8	2.7E-02	4.3E+01	3.5E+01	3.0E+00	4.0E+01
	03.03	9/9	2.8E+01	5.3E+01	4.0E+01	3.1E+00	4.6E+01
	03.04	6/6	3.0E+01	6.1E+01	4.3E+01	4.3E+00	5.2E+01
	04.01	9/9	1.8E+01	4.6E+01	3.8E+01	2.9E+00	4.3E+01
	04.02	6/6	2.8E+01	4.7E+01	3.8E+01	2.9E+00	4.4E+01
	04.03	7/7	2.3E+01	7.8E+01	3.5E+01	7.4E+00	4.9E+01
	04.04	11/11	2.4E+01	5.9E+01	3.5E+01	3.5E+00	4.1E+01

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Calcium (MG/L) Chromium (MG/L)	18	3/3	2.2E+01	2.5E+01	2.3E+01	1.0E+00	2.6E+01
	00	4/5	1.0E-03	1.9E-03	1.5E-03	1.7E-04	1.8E-03
	08	1/1	1.1E-03	1.1E-03	1.1E-03		
	07.01	1/1	1.1E-03	1.1E-03	1.1E-03		
	07.02	0/1	1.0E-03	1.0E-03 *			
	02.01	0/1	1.0E-03	1.0E-03 *			
	02.03	0/1	1.0E-03	1.0E-03 *			
	02.04	4/6	1.0E-03	2.3E-03	1.3E-03	2.2E-04	1.7E-03
	13	1/5	1.0E-03	1.5E-03	1.5E-03		
	03.01	2/2	1.3E-03	2.8E-03	2.1E-03	7.5E-04	6.8E-03
	03.02	7/8	1.3E-03	2.7E-03	1.9E-03	1.8E-04	2.3E-03
	03.03	7/9	1.0E-03	3.7E-03	2.2E-03	3.4E-04	2.8E-03
	03.04	4/6	1.0E-03	2.9E-03	1.4E-03	3.1E-04	2.0E-03
	04.01	8/9	1.0E-03	2.7E-03	1.9E-03	1.1E-04	2.1E-03
	04.02	3/6	1.0E-03	2.2E-03	1.2E-03	2.2E-04	1.7E-03
	04.03	5/7	1.0E-03	2.0E-03	1.3E-03	1.8E-04	1.7E-03
	04.04	9/11	1.0E-03	3.1E-03	1.4E-03	1.9E-04	1.7E-03
	18	3/3	1.0E-03	1.2E-03	1.1E-03	5.8E-05	1.3E-03
	00	3/5	1.0E-03	3.3E-03	1.6E-03	4.6E-04	2.6E-03
	08	0/1	1.0E-03	1.0E-03 *			
	07.01	0/1	1.0E-03	1.0E-03 *			
Cobalt (MG/L)	07.02	0/1	1.0E-03	1.0E-03 *			
	02.01	1/1	1.9E-03	1.9E-03	1.9E-03		
	02.03	0/1	1.0E-03	1.0E-03 *			
	02.04	1/6	1.0E-03	1.5E-03	1.5E-03		
	13	4/5	1.0E-03	8.7E-03	3.0E-03	1.5E-03	6.1E-03
	03.01	2/2	6.6E-03	1.4E-02	1.0E-02	3.7E-03	3.3E-02
	03.02	7/8	1.0E-03	4.0E-03	2.4E-03	2.9E-04	3.0E-03
	03.03	8/9	1.0E-03	6.5E-03	2.8E-03	5.6E-04	3.9E-03
	03.04	5/6	1.0E-03	2.0E-03	1.5E-03	1.8E-04	1.8E-03
	04.01	1/9	1.0E-03	1.3E-03	1.3E-03		

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Cobalt (MG/L)	04.02	5/6	1.0E-03	3.0E-03	1.6E-03	3.1E-04	2.2E-03
	04.03	5/7	1.0E-03	1.2E-02	3.1E-03	1.6E-03	6.2E-03
	04.04	10/11	1.0E-03	9.2E-03	2.4E-03	7.4E-04	3.8E-03
	18	2/3	1.0E-03	1.4E-03	1.2E-03	1.2E-04	1.5E-03
Copper (MG/L)	00	5/5	1.8E-03	2.2E-03	2.0E-03	6.7E-05	2.1E-03
	08	1/1	2.6E-03	2.6E-03	2.6E-03		
	07.01	1/1	4.2E-03	4.2E-03	4.2E-03		
	07.02	1/1	2.3E-03	2.3E-03	2.3E-03		
	02.01	1/1	3.7E-03	3.7E-03	3.7E-03		
	02.03	1/1	1.1E-03	1.1E-03	1.1E-03		
	02.04	6/6	1.2E-03	2.9E-03	2.1E-03	2.8E-04	2.6E-03
	13	4/5	1.2E-03	3.5E-03	1.8E-03	4.5E-04	2.8E-03
	03.01	1/2	1.9E-03	1.2E-02	1.2E-02		
	03.02	8/8	1.4E-03	8.6E-03	3.9E-03	7.7E-04	5.3E-03
	03.03	9/9	1.7E-03	8.3E-03	3.4E-03	8.1E-04	4.9E-03
	03.04	6/6	1.3E-03	1.4E-02	4.5E-03	1.9E-03	8.2E-03
	04.01	9/9	1.7E-03	4.0E-03	2.7E-03	2.2E-04	3.1E-03
	04.02	6/6	1.4E-03	3.6E-03	2.4E-03	3.7E-04	3.2E-03
	04.03	7/7	1.9E-03	8.5E-03	3.2E-03	9.0E-04	4.9E-03
	04.04	11/11	2.2E-03	8.3E-03	4.3E-03	5.5E-04	5.3E-03
Di-n-butylphthalate (MG/L)	18	3/3	4.7E-03	5.4E-03	5.0E-03	2.1E-04	5.6E-03
	00	0/2	5.0E-03	5.0E-03 *			
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/1	7.0E-03	7.0E-03 *			
	02.03	0/1	5.0E-03	5.0E-03 *			
	02.04	2/3	2.0E-03	5.0E-03 *	2.5E-03	5.0E-04	4.0E-03
	13	0/4	5.0E-03	5.0E-03 *			
	03.01	0/1	5.0E-03	5.0E-03 *			
	03.02	2/5	1.0E-03	5.0E-03 *	1.0E-03	0.0E+00	1.0E-03

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Di-n-butylphthalate (MG/L)	03.03	0/5	5.0E-03	1.0E-02 *			
	03.04	0/2	5.0E-03	7.0E-03 *			
	04.01	0/5	6.0E-03	1.0E-02 *			
	04.02	0/0					
	04.03	0/2	5.5E-03	7.0E-03 *			
	04.04	0/0					
	18	0/5	5.0E-03	5.0E-03 *			
	00	1/2	1.0E-03	5.0E-03 *	1.0E-03		
	08	0/0					
	07.01	0/0					
Di-n-octylphthalate (MG/L)	07.02	0/0					
	02.01	0/1	7.0E-03	7.0E-03 *			
	02.03	0/1	5.0E-03	5.0E-03 *			
	02.04	0/3	5.0E-03	5.0E-03 *			
	13	0/4	5.0E-03	5.0E-03 *			
	03.01	0/1	5.0E-03	5.0E-03 *			
	03.02	0/5	5.0E-03	5.0E-03 *			
	03.03	0/5	5.0E-03	1.0E-02 *			
	03.04	0/2	5.0E-03	7.0E-03 *			
	04.01	0/5	6.0E-03	1.0E-02 *			
Gross alpha activity (PCI/L)	04.02	0/0					
	04.03	0/2	5.5E-03	7.0E-03 *			
	04.04	0/0					
	18	0/5	5.0E-03	5.0E-03 *			
	00	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	02.03	0/0					
	02.04	0/0					

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Gross alpha activity (PCI/L)							
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	3/8	9.5E-01	2.4E+00	1.6E+00	1.4E-01	1.8E+00
	18	0/0					
Gross beta activity (PCI/L)							
	00	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	02.03	0/0					
	02.04	0/0					
	13	0/0					
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	8/8	2.0E+00	1.1E+01	5.4E+00	9.5E-01	7.2E+00
	18	0/0					
Iron (MG/L)							
	00	5/5	2.9E-02	2.2E-01	6.9E-02	3.7E-02	1.5E-01
	08	1/1	2.9E-02	2.9E-02	2.9E-02		
	07.01	1/1	3.3E-02	3.3E-02	3.3E-02		
	07.02	1/1	2.2E-02	2.2E-02	2.2E-02		

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Iron (MG/L)	02.01	1/1	3.4E-01	3.4E-01	3.4E-01		
	02.03	1/1	2.4E-01	2.4E-01	2.4E-01		
	02.04	6/6	3.6E-02	1.7E-01	7.8E-02	2.2E-02	1.2E-01
	13	1/5	1.8E-02	4.4E-02	4.4E-02		
	03.01	1/2	1.6E-02	3.1E-02	3.1E-02		
	03.02	8/8	1.4E-02	2.1E+00	3.6E-01	2.5E-01	8.4E-01
	03.03	8/9	1.3E-02	2.4E-01	7.7E-02	2.5E-02	1.2E-01
	03.04	6/6	2.1E-02	3.7E-01	1.3E-01	5.1E-02	2.3E-01
	04.01	9/9	1.3E-01	3.6E-01	2.9E-01	2.8E-02	3.4E-01
	04.02	6/6	2.8E-02	8.6E-02	5.0E-02	9.1E-03	6.9E-02
	04.03	7/7	2.9E-02	1.0E-01	4.9E-02	1.0E-02	6.9E-02
	04.04	11/11	1.7E-01	6.0E+00	1.2E+00	6.4E-01	2.3E+00
	18	3/3	1.1E-01	1.9E-01	1.4E-01	2.3E-02	2.1E-01
	00	5/5	1.4E+00	4.1E+00	2.5E+00	4.7E-01	3.5E+00
	08	1/1	1.3E+00	1.3E+00	1.3E+00		
	07.01	1/1	1.9E+00	1.9E+00	1.9E+00		
	07.02	1/1	1.0E+00	1.0E+00	1.0E+00		
	02.01	1/1	1.7E-01	1.7E-01	1.7E-01		
	02.03	1/1	3.2E-01	3.2E-01	3.2E-01		
	02.04	6/6	2.8E-01	2.8E+00	1.1E+00	3.8E-01	1.9E+00
Kjeldahl nitrogen (MG/L)	13	5/5	5.8E-01	1.6E+00	9.5E-01	2.1E-01	1.4E+00
	03.01	2/2	8.6E-01	1.4E+00	1.1E+00	2.7E-01	2.8E+00
	03.02	8/8	5.7E-01	6.8E+00	2.3E+00	7.2E-01	3.6E+00
	03.03	9/9	3.7E-01	2.7E+00	1.6E+00	2.9E-01	2.1E+00
	03.04	6/6	9.7E-01	3.4E+00	2.0E+00	3.7E-01	2.7E+00
	04.01	5/7	2.0E-01	1.4E+00	6.6E-01	1.7E-01	1.0E+00
	04.02	5/6	1.0E-01	2.6E+00	1.3E+00	2.9E-01	1.9E+00
	04.03	7/7	5.9E-01	4.8E+00	1.7E+00	5.3E-01	2.8E+00
	04.04	11/11	9.9E-01	7.2E+00	2.4E+00	6.2E-01	3.5E+00
	18	3/3	1.7E+00	2.0E+00	1.8E+00	8.8E-02	2.1E+00
	00	0/5	1.0E-03	1.0E-03 *			
Lead (MG/L)							

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Lead (MG/L)							
	08	0/1	1.0E-03	1.0E-03 *			
	07.01	0/1	1.0E-03	1.0E-03 *			
	07.02	0/1	1.0E-03	1.0E-03 *			
	02.01	0/1	1.0E-03	1.0E-03 *			
	02.03	0/1	1.0E-03	1.0E-03 *			
	02.04	0/6	1.0E-03	1.0E-03 *			
	13	0/5	1.0E-03	1.0E-03 *			
	03.01	0/2	1.0E-03	1.0E-03 *			
	03.02	0/8	1.0E-03	1.0E-03 *			
	03.03	0/9	1.0E-03	1.0E-03 *			
	03.04	0/6	1.0E-03	1.0E-03 *			
	04.01	0/9	1.0E-03	1.0E-03 *			
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	3/7	1.0E-03	2.8E-03			
	04.04	0/11	1.0E-03	1.0E-03 *	1.4E-03	2.6E-04	1.9E-03
	18	0/3	1.0E-03	1.0E-03 *			
Magnesium (MG/L)							
	00	5/5	5.4E+00	1.3E+01	9.6E+00	1.3E+00	1.2E+01
	08	1/1	1.0E+01	1.0E+01	1.0E+01		
	07.01	1/1	1.0E+01	1.0E+01	1.0E+01		
	07.02	1/1	9.5E+00	9.5E+00	9.5E+00		
	02.01	1/1	1.3E+01	1.3E+01	1.3E+01		
	02.03	1/1	7.8E+00	7.8E+00	7.8E+00		
	02.04	6/6	5.9E+00	9.4E+00	7.9E+00	5.0E-01	8.9E+00
	13	5/5	6.7E+00	1.6E+01	1.1E+01	1.5E+00	1.5E+01
	03.01	1/2	9.0E-03	5.2E+00	5.2E+00		
	03.02	6/8	9.0E-03	1.0E+01	8.4E+00	6.9E-01	9.7E+00
	03.03	9/9	6.8E+00	1.4E+01	1.0E+01	7.7E-01	1.2E+01
	03.04	6/6	8.5E+00	1.6E+01	1.2E+01	1.0E+00	1.4E+01
	04.01	9/9	5.3E+00	1.3E+01	1.1E+01	7.9E-01	1.2E+01
	04.02	6/6	9.1E+00	1.5E+01	1.1E+01	8.2E-01	1.3E+01
	04.03	7/7	6.6E+00	1.9E+01	9.8E+00	1.6E+00	1.3E+01

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Magnesium (MG/L)							
	04.04	11/11	7.0E+00	1.6E+01	9.6E+00	8.9E-01	1.1E+01
	18	3/3	5.5E+00	6.0E+00	5.7E+00	1.8E-01	6.2E+00
Manganese (MG/L)							
	00	4/5	1.0E-03	1.1E+01	6.5E+00	1.4E+00	9.5E+00
	08	1/1	3.4E+00	3.4E+00	3.4E+00		
	07.01	1/1	5.2E+00	5.2E+00	5.2E+00		
	07.02	1/1	4.2E+00	4.2E+00	4.2E+00		
	02.01	1/1	6.5E+00	6.5E+00	6.5E+00		
	02.03	1/1	3.0E-03	3.0E-03	3.0E-03		
	02.04	6/6	1.3E-03	3.2E+00	1.3E+00	5.1E-01	2.3E+00
	13	5/5	1.4E+00	9.1E+00	5.1E+00	1.4E+00	8.0E+00
	03.01	2/2	2.2E+00	2.6E+00	2.4E+00	2.1E-01	3.7E+00
	03.02	8/8	3.4E-01	9.7E+00	4.0E+00	1.0E+00	5.9E+00
	03.03	9/9	3.5E-02	5.8E+00	3.5E+00	6.1E-01	4.6E+00
	03.04	6/6	1.0E+00	6.3E+00	3.5E+00	9.0E-01	5.3E+00
	04.01	9/9	3.6E-02	2.4E+00	5.7E-01	2.5E-01	1.0E+00
	04.02	6/6	1.3E+00	7.9E+00	4.0E+00	9.7E-01	5.9E+00
	04.03	7/7	2.1E-03	2.0E+01	5.4E+00	2.6E+00	1.0E+01
	04.04	8/11	1.0E-03	4.3E+00	2.8E+00	2.9E-01	3.3E+00
Mercury (MG/L)							
	18	0/3	1.0E-03	1.0E-03 *			
	00	0/5	2.0E-04	2.0E-04 *			
	08	0/2	2.0E-06	2.0E-04 *			
	07.01	0/2	3.5E-06	2.0E-04 *			
	07.02	0/2	2.1E-06	2.0E-04 *			
	02.01	0/2	4.8E-06	2.0E-04 *			
	02.03	0/2	5.6E-06	2.0E-04 *			
	02.04	0/7	6.8E-06	2.0E-04 *			
	13	3/10	3.7E-06	2.0E-04 *	6.6E-06	1.8E-06	9.8E-06
	03.01	2/4	5.8E-06	6.0E-04	5.7E-04	1.3E-05	6.0E-04
	03.02	5/12	4.6E-06	2.3E-04	5.4E-05	3.2E-05	1.1E-04
	03.03	9/17	5.6E-06	2.0E-04	2.3E-05	1.1E-05	4.3E-05
	03.04	4/12	2.0E-06	2.0E-04 *	1.7E-05	5.0E-06	2.6E-05

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Mercury (MG/L)	04.01	1/14	3.3E-06	2.0E-04 *	5.5E-06		
	04.02	0/6	2.0E-04	2.0E-04 *			
	04.03	1/8	9.1E-06	2.0E-04 *	9.1E-06		
	04.04	1/14	4.8E-06	8.1E-04	8.1E-04		
	18	0/5	4.9E-06	2.0E-04 *			
Methyl mercury (MG/L)	00	0/0					
	08	0/1	2.2E-07	2.2E-07 *			
	07.01	0/1	1.6E-07	1.6E-07 *			
	07.02	0/1	1.3E-07	1.3E-07 *			
	02.01	0/1	5.9E-08	5.9E-08 *			
	02.03	0/1	6.4E-08	6.4E-08 *			
	02.04	0/1	4.5E-08	4.5E-08 *			
	13	0/5	1.6E-07	2.2E-07 *			
	03.01	1/2	2.3E-07	1.8E-06	1.8E-06		
	03.02	1/5	1.3E-07	7.8E-07 *	3.4E-07		
	03.03	4/8	1.3E-07	7.6E-07	3.1E-07	7.4E-08	4.5E-07
	03.04	3/6	1.1E-07	1.2E-06	6.1E-07	1.3E-07	8.6E-07
	04.01	0/5	7.4E-08	1.3E-07 *			
	04.02	0/0					
Molybdenum (MG/L)	04.03	0/1	1.5E-07	1.5E-07 *			
	04.04	0/3	1.9E-07	2.1E-07 *			
	18	0/2	4.3E-08	5.1E-08 *			
	00	4/5	1.0E-03	1.9E-03	1.5E-03		
	08	0/1	1.0E-03	1.0E-03 *		1.6E-04	1.8E-03
	07.01	1/1	2.8E-03	2.8E-03	2.8E-03		
	07.02	1/1	2.3E-03	2.3E-03	2.3E-03		
	02.01	1/1	3.9E-03	3.9E-03	3.9E-03		
	02.03	0/1	1.0E-03	1.0E-03 *			
	02.04	3/6	1.0E-03	1.7E-03	1.5E-03		
	13	0/5	1.0E-03	5.0E-03 *		5.5E-05	1.6E-03
	03.01	0/2	1.0E-03	5.0E-03 *			

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Molybdenum (MG/L)	03.02	3/8	1.3E-03	5.0E-03 *	2.3E-03	5.8E-04	3.4E-03
	03.03	8/9	1.5E-03	5.0E-03 *	2.4E-03	3.7E-04	3.1E-03
	03.04	2/6	2.4E-03	1.0E-01	1.9E-02	2.1E-02	6.2E-02
	04.01	2/9	1.0E-03	1.2E-03	1.2E-03	0.0E+00	1.2E-03
	04.02	2/6	1.0E-03	1.4E-03	1.3E-03	2.2E-05	1.4E-03
	04.03	6/7	1.0E-03	4.7E-03	2.1E-03	4.9E-04	3.1E-03
	04.04	5/11	1.0E-03	2.2E-03	1.4E-03	1.3E-04	1.6E-03
	18	3/3	2.2E-03	2.7E-03	2.5E-03	1.5E-04	2.9E-03
	00	4/5	1.0E-03	2.3E-02	1.7E-02	2.4E-03	2.2E-02
	08	1/1	1.2E-02	1.2E-02	1.2E-02		
	07.01	1/1	1.2E-02	1.2E-02	1.2E-02		
	07.02	1/1	1.1E-02	1.1E-02	1.1E-02		
	02.01	1/1	2.6E-03	2.6E-03	2.6E-03		
	02.03	0/1	1.0E-03	1.0E-03 *			
Nickel (MG/L)	02.04	6/6	3.6E-03	1.7E-02	7.6E-03	2.1E-03	1.2E-02
	13	3/5	1.0E-03	1.2E-02	6.5E-03	1.5E-03	9.8E-03
	03.01	2/2	7.1E-03	1.0E-01	5.4E-02	4.7E-02	3.5E-01
	03.02	7/8	4.6E-03	4.2E-02	1.5E-02	4.1E-03	2.3E-02
	03.03	9/9	7.9E-03	2.5E-02	1.3E-02	1.8E-03	1.6E-02
	03.04	6/6	2.4E-03	7.0E-03	5.0E-03	8.2E-04	6.6E-03
	04.01	9/9	2.1E-03	5.2E-03	3.7E-03	3.0E-04	4.2E-03
	04.02	6/6	4.7E-03	2.9E-02	1.3E-02	3.8E-03	2.1E-02
	04.03	7/7	4.8E-03	1.8E-02	1.1E-02	1.6E-03	1.4E-02
	04.04	11/11	3.2E-03	6.7E-03	4.8E-03	3.3E-04	5.4E-03
	18	3/3	2.4E-03	4.3E-03	3.1E-03	6.2E-04	4.9E-03
	00	0/2	2.0E-04	2.0E-04 *			
	08	0/0					
	07.01	0/0					
PCB-1254 (MG/L)	07.02	0/0					
	02.01	0/1	2.0E-04	2.0E-04 *			
	02.03	0/1	2.0E-04	2.0E-04 *			

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
PCB-1254 (MG/L)	02.04	0/3	2.0E-04	2.1E-04 *			
	13	0/4	2.0E-04	2.1E-04 *			
	03.01	0/1	2.0E-04	2.0E-04 *			
	03.02	0/5	2.0E-04	2.0E-04 *			
	03.03	0/5	2.0E-04	2.0E-04 *			
	03.04	0/2	2.0E-04	2.0E-04 *			
	04.01	0/5	2.0E-04	2.0E-04 *			
	04.02	0/0					
	04.03	0/2	2.0E-04	2.0E-04 *			
	04.04	0/0					
	18	1/4	2.0E-04	7.2E-04	7.2E-04		
	00	5/5	8.9E-01	2.1E+00	1.8E+00	2.2E-01	2.2E+00
	08	1/1	1.8E+00	1.8E+00	1.8E+00		
	07.01	1/1	2.3E+00	2.3E+00	2.3E+00		
	07.02	1/1	1.8E+00	1.8E+00	1.8E+00		
	02.01	1/1	2.3E+00	2.3E+00	2.3E+00		
Potassium (MG/L)	02.03	1/1	1.2E+00	1.2E+00	1.2E+00		
	02.04	6/6	8.3E-01	2.3E+00	1.6E+00	2.1E-01	2.1E+00
	13	5/5	1.4E+00	2.6E+00	1.9E+00	2.0E-01	2.3E+00
	03.01	1/2	1.3E-02	1.0E+00	1.0E+00		
	03.02	6/8	1.3E-02	2.6E+00	2.1E+00	1.5E-01	2.4E+00
	03.03	9/9	1.4E+00	2.8E+00	2.2E+00	1.7E-01	2.5E+00
	03.04	6/6	2.0E+00	3.1E+00	2.5E+00	2.2E-01	2.9E+00
	04.01	9/9	7.4E-01	2.0E+00	1.6E+00	1.6E-01	1.9E+00
	04.02	6/6	1.5E+00	2.4E+00	1.9E+00	1.3E-01	2.2E+00
	04.03	7/7	1.4E+00	3.7E+00	1.9E+00	3.0E-01	2.5E+00
	04.04	11/11	1.6E+00	3.6E+00	2.0E+00	1.8E-01	2.4E+00
	18	3/3	1.6E+00	1.9E+00	1.8E+00	8.7E-02	2.1E+00
	00	1/5	3.0E-03	3.6E-03	3.6E-03		
	08	0/1	3.0E-03	3.0E-03 *	3.0E-03 *		
	07.01	0/1	3.0E-03	3.0E-03 *	3.0E-03 *		
Selenium (MG/L)							

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Selenium (MG/L)	07.02	0/1	3.0E-03	3.0E-03 *			
	02.01	0/1	3.0E-03	3.0E-03 *			
	02.03	0/1	3.0E-03	3.0E-03 *			
	02.04	0/6	3.0E-03	3.0E-03 *			
	13	0/5	1.0E-03	3.0E-03 *			
	03.01	1/2	1.5E-03	3.0E-03 *	1.5E-03		
	03.02	1/8	1.0E-03	3.0E-03 *	2.0E-03		
	03.03	1/9	1.0E-03	3.0E-03	3.0E-03		
	03.04	1/6	1.0E-03	3.0E-03 *	1.6E-03		
	04.01	0/9	3.0E-03	3.0E-03 *			
	04.02	0/6	3.0E-03	3.0E-03 *			
	04.03	0/7	3.0E-03	3.0E-03 *			
	04.04	0/11	3.0E-03	3.0E-03 *			
	18	0/3	3.0E-03	3.0E-03 *			
	00	5/5	3.4E+00	4.0E+00	3.7E+00	1.1E-01	4.0E+00
	08	1/1	3.6E+00	3.6E+00	3.6E+00		
	07.01	1/1	3.1E+00	3.1E+00	3.1E+00		
Sodium (MG/L)	07.02	1/1	3.7E+00	3.7E+00	3.7E+00		
	02.01	1/1	6.0E+00	6.0E+00	6.0E+00		
	02.03	1/1	4.8E+00	4.8E+00	4.8E+00		
	02.04	6/6	2.6E+00	3.7E+00	3.2E+00	1.6E-01	3.5E+00
	13	5/5	2.7E+00	5.1E+00	3.9E+00	3.8E-01	4.7E+00
	03.01	1/2	2.0E-02	4.5E+00	4.5E+00		
	03.02	6/8	2.0E-02	8.1E+00	5.3E+00	8.3E-01	6.8E+00
	03.03	9/9	4.8E+00	6.2E+00	5.8E+00	1.9E-01	6.1E+00
	03.04	6/6	3.8E+00	4.7E+00	4.3E+00	1.2E-01	4.5E+00
	04.01	9/9	2.4E+00	5.4E+00	4.5E+00	4.0E-01	5.3E+00
	04.02	6/6	2.8E+00	3.9E+00	3.4E+00	1.6E-01	3.7E+00
	04.03	7/7	2.9E+00	5.2E+00	3.6E+00	2.8E-01	4.1E+00
	04.04	11/11	5.3E+00	8.2E+00	6.5E+00	2.7E-01	7.0E+00
	18	3/3	8.7E+00	1.0E+01	9.4E+00	3.6E-01	1.0E+01

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Strontium-90 (PCI/L)	00	0/5	1.7E+00	1.7E+01 *			
	08	0/1	3.0E+00	3.0E+00 *			
	07.01	0/1	1.1E+00	1.1E+00 *			
	07.02	0/1	2.1E+00	2.1E+00 *			
	02.01	0/0					
	02.03	0/1	3.0E+00	3.0E+00 *			
	02.04	1/4	1.2E+00	9.8E+00 *	5.2E+00		
	13	0/4	1.9E+00	2.4E+00 *			
	03.01	1/1	5.0E+00	5.0E+00	5.0E+00		
	03.02	0/7	2.0E+00	5.2E+00 *			
	03.03	2/6	2.2E+00	2.0E+01	6.4E+00	3.4E+00	1.3E+01
	03.04	3/4	2.0E+00	3.3E+00	2.5E+00	3.4E-01	3.3E+00
	04.01	2/8	2.0E+00	3.7E+00	2.8E+00	1.7E-01	3.1E+00
	04.02	1/4	1.7E+00	2.5E+00 *	2.0E+00		
	04.03	0/7	1.2E+00	3.0E+00 *			
	04.04	0/11	2.2E+00	5.0E+00 *			
	18	0/3	2.1E+00	2.5E+00 *			
	00	5/5	4.8E+00	9.1E+00	6.5E+00	7.6E-01	8.1E+00
	08	1/1	4.1E+00	4.1E+00	4.1E+00		
	07.01	1/1	7.2E+00	7.2E+00	7.2E+00		
Total organic carbon (TOC) (MG/L)	07.02	1/1	7.5E+00	7.5E+00	7.5E+00		
	02.01	1/1	1.8E+00	1.8E+00	1.8E+00		
	02.03	1/1	2.0E+00	2.0E+00	2.0E+00		
	02.04	6/6	2.6E+00	5.0E+00	4.1E+00	3.9E-01	4.9E+00
	13	5/5	3.2E+00	7.6E+00	5.3E+00	7.0E-01	6.8E+00
	03.01	2/2	2.6E+00	1.1E+01	6.8E+00	4.2E+00	3.3E+01
	03.02	7/7	4.3E+00	1.1E+01	6.8E+00	8.8E-01	8.5E+00
	03.03	9/9	4.4E+00	1.2E+01	7.2E+00	9.5E-01	8.9E+00
	03.04	6/6	3.9E+00	9.1E+00	6.2E+00	8.1E-01	7.9E+00
	04.01	7/7	3.5E+00	7.5E+00	5.1E+00	5.0E-01	6.0E+00
	04.02	6/6	2.7E+00	5.3E+00	4.0E+00	3.9E-01	4.8E+00

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Total organic carbon (TOC) (MG/KG)	04.03	7/7	3.0E+00	9.9E+00	4.8E+00	9.1E-01	6.5E+00
	04.04	11/11	7.5E+00	3.8E+01	1.7E+01	3.7E+00	2.4E+01
	18	2/2	9.0E+00	1.1E+01	1.0E+01	1.0E+00	1.6E+01
	00	0/5	1.0E-03	1.0E-03 *			
	08	0/1	1.0E-03	1.0E-03 *			
	07.01	0/1	1.0E-03	1.0E-03 *			
	07.02	0/1	1.0E-03	1.0E-03 *			
	02.01	0/1	1.0E-03	1.0E-03 *			
	02.03	0/1	1.0E-03	1.0E-03 *			
	02.04	0/6	1.0E-03	1.0E-03 *			
	13	2/5	1.0E-03	1.5E-03	1.1E-03	1.3E-04	1.4E-03
	03.01	0/2	1.0E-03	1.0E-03 *			
	03.02	8/8	1.4E-03	9.9E-02	2.2E-02	1.1E-02	4.4E-02
	03.03	9/9	1.3E-03	2.1E-02	6.9E-03	2.0E-03	1.1E-02
	03.04	6/6	1.2E-03	1.0E-02	5.5E-03	1.5E-03	8.6E-03
	04.01	3/9	1.0E-03	1.6E-03	1.3E-03	5.4E-05	1.4E-03
Uranium-234 (PCI/L)	04.02	2/6	1.0E-03	1.8E-03	1.2E-03	1.5E-04	1.5E-03
	04.03	1/7	1.0E-03	2.1E-03	2.1E-03		
	04.04	0/11	1.0E-03	1.0E-03 *			
	18	0/3	1.0E-03	1.0E-03 *			
	00	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	02.03	0/0					
	02.04	1/1	1.5E-01	1.5E-01	1.5E-01		
	13	4/4	3.3E-01	9.1E-01	5.1E-01	1.3E-01	8.3E-01
	03.01	1/2	1.8E-01	5.3E-01	5.3E-01		
	03.02	8/8	1.3E+00	5.8E+01	1.3E+01	6.9E+00	2.6E+01
	03.03	9/9	5.4E-01	1.6E+01	3.9E+00	1.6E+00	6.8E+00

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Uranium-234 (PCI/L)	03.04	6/6	4.8E-01	4.1E+00	2.4E+00	5.6E-01	3.6E+00
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
Uranium-235 (PCI/L)	04.04	0/0					
	18	0/0					
	00	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	02.03	0/0					
	02.04	0/1	1.8E-01	1.8E-01 *			
	13	1/4	7.4E-02	1.9E-01 *	8.9E-02		
	03.01	1/2	6.4E-02	6.6E-02 *	6.4E-02		
	03.02	7/8	1.2E-01	3.2E+00	7.5E-01	3.6E-01	1.4E+00
	03.03	6/9	5.9E-02	1.4E+00	2.6E-01	1.5E-01	5.4E-01
	03.04	3/6	1.0E-01	3.1E-01 *	1.3E-01	2.1E-02	1.7E-01
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	0/0					
Uranium-238 (PCI/L)	18	0/0					
	00	0/0					
	08	0/0					
	07.01	0/0					
	07.02	0/0					
	02.01	0/0					
	02.03	0/0					
	02.04	1/1	8.4E-02	8.4E-02	8.4E-02		
	13	4/4	3.1E-01	5.1E-01	4.3E-01	4.9E-02	5.4E-01

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Uranium-238 (PCI/L)							
	03.01	1/2	3.4E-01	4.9E-01	4.9E-01		
	03.02	8/8	5.3E-01	3.6E+01	8.1E+00	4.2E+00	1.6E+01
	03.03	9/9	5.1E-01	8.5E+00	2.7E+00	8.1E-01	4.2E+00
	03.04	6/6	6.2E-01	3.2E+00	2.0E+00	4.4E-01	2.9E+00
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	0/0					
Vanadium (MG/L)							
	18	0/0					
	00	0/5	1.0E-03	1.0E-03 *			
	08	0/1	1.0E-03	1.0E-03 *			
	07.01	1/1	1.5E-03	1.5E-03	1.5E-03		
	07.02	1/1	1.0E-03	1.0E-03	1.0E-03		
	02.01	1/1	1.0E-03	1.0E-03	1.0E-03		
	02.03	0/1	1.0E-03	1.0E-03 *			
	02.04	0/6	1.0E-03	1.0E-03 *			
	13	0/5	1.0E-03	1.0E-03 *			
	03.01	0/2	1.0E-03	1.0E-03 *			
	03.02	0/8	1.0E-03	1.0E-03 *			
	03.03	0/9	1.0E-03	1.0E-03 *			
	03.04	3/6	1.0E-03	1.0E-02	2.5E-03	1.7E-03	6.0E-03
	04.01	0/9	1.0E-03	1.0E-03 *			
	04.02	0/6	1.0E-03	1.0E-03 *			
	04.03	1/7	1.0E-03	1.2E-03	1.2E-03		
	04.04	2/11	1.0E-03	1.3E-03	1.2E-03		
	18	1/3	1.0E-03	1.1E-03	1.1E-03	1.2E-05	1.2E-03
Zinc (MG/L)							
	00	5/5	5.9E-03	8.5E-03	7.6E-03	5.0E-04	8.6E-03
	08	1/1	4.8E-03	4.8E-03	4.8E-03		
	07.01	1/1	4.5E-03	4.5E-03	4.5E-03		
	07.02	1/1	6.6E-03	6.6E-03	6.6E-03		
	02.01	1/1	3.1E-03	3.1E-03	3.1E-03		

Table C5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Zinc (MG/L)	02.03	1/1	1.1E-02	1.1E-02	1.1E-02		
	02.04	6/6	3.3E-03	1.7E-02	7.6E-03	2.0E-03	1.2E-02
	13	4/5	2.7E-03	1.3E-02 *	4.4E-03	6.0E-04	5.7E-03
	03.01	1/2	8.2E-03	2.3E-02	2.3E-02		
	03.02	7/8	5.5E-03	1.2E-02	8.0E-03	8.7E-04	9.7E-03
	03.03	8/9	5.4E-03	3.2E-02	1.2E-02	2.7E-03	1.7E-02
	03.04	6/6	2.7E-03	1.2E-02	5.7E-03	1.4E-03	8.5E-03
	04.01	9/9	4.7E-03	1.8E-02	7.6E-03	1.4E-03	1.0E-02
	04.02	6/6	1.0E-02	2.8E-02	1.6E-02	3.1E-03	2.2E-02
	04.03	7/7	8.4E-03	7.4E-02	2.6E-02	8.3E-03	4.3E-02
	04.04	11/11	2.4E-03	2.6E-02	7.2E-03	2.1E-03	1.1E-02
	18	3/3	8.2E-03	1.3E-02	1.0E-02	1.3E-03	1.4E-02

* Maximum value is a non-detect

Table C6. Summary statistics for contaminants in surface sediment

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
2-Methylnaphthalene (Mg/kg)	02.04	1/3	3.8E-02	2.3E-01 *	3.8E-02		
	03.01	1/1	1.8E-02	1.8E-02	1.8E-02		
	03.02	5/5	7.7E-02	1.8E-01	1.3E-01	2.0E-02	1.7E-01
	03.03	8/8	5.2E-02	5.1E-01	1.7E-01	5.6E-02	2.8E-01
	03.04	3/3	2.5E-02	1.2E-01	8.1E-02	2.9E-02	1.7E-01
	04.01	5/7	2.9E-02	2.3E-01 *	5.3E-02	7.6E-03	6.7E-02
	04.02	3/4	3.9E-02	2.8E-01 *	1.2E-01	6.5E-02	2.7E-01
	04.03	5/5	4.1E-02	1.2E-01	9.3E-02	1.6E-02	1.3E-01
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
4-Chloro-3-methylphenol (Mg/kg)	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	1/5	6.2E-02	2.5E-01 *	6.2E-02		
	03.03	0/8	2.3E-01	2.7E-01 *			
	03.04	0/3	2.1E-01	2.4E-01 *			
	04.01	0/7	2.0E-01	4.5E-01 *			
	04.02	0/4	2.1E-01	2.8E-01 *			
	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
	02.04	1/3	3.8E-02	2.3E-01 *	3.8E-02		
	03.01	0/1	2.6E-01	2.6E-01 *			
4-Methylphenol (Mg/kg)	03.02	0/5	2.3E-01	2.8E-01 *			
	03.03	1/8	5.5E-02	2.6E-01 *	5.5E-02		
	03.04	0/3	2.1E-01	2.4E-01 *			
	04.01	0/7	2.0E-01	4.5E-01 *			
	04.02	0/4	2.1E-01	2.8E-01 *			
	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
	02.04	1/3	2.7E-01	6.4E-01 *	2.7E-01		
	03.01	0/1	6.3E-01	6.3E-01 *			
4-Nitrophenol (Mg/kg)							

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Acenaphthene (Mg/kg)	03.02	0/5	5.7E-01	6.7E-01 *			
	03.03	0/8	5.7E-01	6.4E-01 *			
	03.04	0/3	5.2E-01	5.7E-01 *			
	04.01	0/7	4.9E-01	1.1E+00 *			
	04.02	0/4	5.1E-01	6.8E-01 *			
	04.03	0/5	5.3E-01	6.7E-01 *			
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	3/5	1.8E-02	2.5E-01 *	2.9E-02	1.0E-02	5.0E-02
	03.03	6/8	1.5E-02	2.4E-01 *	6.3E-02	2.4E-02	1.1E-01
	03.04	0/3	2.1E-01	2.4E-01 *			
	04.01	0/7	2.0E-01	4.5E-01 *			
	04.02	0/4	2.1E-01	2.8E-01 *			
	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
Acenaphthylene (Mg/kg)	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	1/5	2.6E-02	2.8E-01 *	2.6E-02		
	03.03	2/8	1.7E-02	2.7E-01 *	1.8E-02	1.0E-03	2.0E-02
	03.04	0/3	2.1E-01	2.4E-01 *			
	04.01	0/7	2.0E-01	4.5E-01 *			
	04.02	0/4	2.1E-01	2.8E-01 *			
	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
	02.04	3/3	8.5E+03	1.8E+04	1.2E+04	2.7E+03	2.0E+04
Aluminum (Mg/kg)	03.01	1/1	1.1E+04	1.1E+04	1.1E+04		
	03.02	5/5	7.6E+03	2.0E+04	1.2E+04	2.2E+03	1.6E+04
	03.03	8/8	4.8E+03	1.6E+04	9.8E+03	1.3E+03	1.2E+04

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Americium-241 (PCI/G)	03.04	3/3	4.6E+03	1.0E+04	7.1E+03	1.6E+03	1.2E+04
	04.01	7/7	3.1E+03	1.2E+04	7.0E+03	1.1E+03	9.2E+03
	04.02	5/5	4.7E+03	1.0E+04	7.1E+03	1.1E+03	9.3E+03
	04.03	5/5	6.7E+03	1.1E+04	8.4E+03	8.7E+02	1.0E+04
	04.04	0/0					
	02.04	0/3	1.9E-01	1.9E-01 *			
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
	03.04	0/0					
Anthracene (Mg/kg)	04.01	1/7	2.3E-02	2.2E-01 *	1.9E-01		
	04.02	0/3	1.7E-01	2.8E-01 *			
	04.03	0/0					
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	3/5	4.9E-02	2.5E-01 *	5.3E-02	2.0E-03	5.7E-02
	03.03	6/8	2.4E-02	2.4E-01 *	8.5E-02	3.1E-02	1.4E-01
	03.04	2/3	4.6E-02	2.1E-01 *	8.5E-02	3.9E-02	2.0E-01
	04.01	0/7	2.0E-01	4.5E-01 *	2.0E-02		
Antimony (Mg/kg)	04.02	1/4	2.0E-02	2.8E-01 *			
	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
	02.04	0/2	4.2E-01	4.9E-01 *			
	03.01	0/1	5.2E-01	5.2E-01 *			
	03.02	0/5	3.8E-01	6.4E-01 *			
	03.03	0/6	3.9E-01	4.5E-01 *			
	03.04	0/3	3.1E-01	4.7E-01 *			
	04.01	0/6	4.4E-01	5.6E-01 *			

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Arsenic (Mg/kg)	04.02	0/4	3.1E-01	4.6E-01 *			
	04.03	1/5	3.3E-01	5.0E-01	5.0E-01		
	04.04	0/0					
	02.04	3/3	3.6E+00	6.2E+00	4.5E+00	8.5E-01	7.0E+00
	03.01	1/1	4.1E+00	4.1E+00	4.1E+00		
	03.02	5/5	2.5E+00	1.8E+01	6.8E+00	2.8E+00	1.3E+01
	03.03	8/8	1.9E+00	1.1E+01	4.4E+00	9.7E-01	6.2E+00
	03.04	3/3	3.1E+00	1.2E+01	6.3E+00	2.9E+00	1.5E+01
	04.01	7/7	2.2E+00	6.2E+00	3.7E+00	6.2E-01	4.9E+00
	04.02	5/5	2.0E+00	5.3E+00	3.4E+00	7.1E-01	4.9E+00
	04.03	5/5	4.3E+00	1.3E+01	8.1E+00	1.4E+00	1.1E+01
	04.04	0/0					
	02.04	3/3	7.4E+01	1.9E+02	1.3E+02	3.4E+01	2.3E+02
	03.01	1/1	8.6E+01	8.6E+01	8.6E+01		
	03.02	5/5	6.3E+01	1.9E+02	1.1E+02	2.3E+01	1.6E+02
	03.03	8/8	5.1E+01	1.2E+02	8.2E+01	7.8E+00	9.7E+01
Benzo(a)anthracene (Mg/kg)	03.04	3/3	4.8E+01	1.1E+02	7.7E+01	1.8E+01	1.3E+02
	04.01	7/7	3.3E+01	1.2E+02	6.3E+01	1.0E+01	8.3E+01
	04.02	5/5	4.8E+01	7.9E+01	6.2E+01	6.7E+00	7.7E+01
	04.03	5/5	4.0E+01	1.0E+02	6.3E+01	1.1E+01	8.7E+01
	04.04	0/0					
	02.04	1/3	1.1E-01	2.6E-01 *	1.1E-01		
	03.01	1/1	1.0E-01	1.0E-01	1.0E-01		
	03.02	5/5	7.8E-02	4.1E-01	2.0E-01	6.1E-02	3.3E-01
	03.03	8/8	7.8E-02	8.7E-01	2.6E-01	9.1E-02	4.3E-01
	03.04	3/3	1.9E-02	1.5E-01	9.3E-02	3.9E-02	2.1E-01
	04.01	4/7	3.7E-02	2.3E-01 *	4.9E-02	7.9E-03	6.4E-02
	04.02	4/4	2.2E-02	1.4E-01	7.9E-02	2.8E-02	1.4E-01
	04.03	5/5	4.6E-02	5.9E-02	5.3E-02	2.4E-03	5.8E-02

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Benzo(a)pyrene (Mg/kg)	04.04	0/0					
	02.04	1/3	2.1E-02	2.3E-01 *	2.1E-02		
	03.01	1/1	6.5E-02	6.5E-02	6.5E-02		
	03.02	5/5	4.4E-02	2.5E-01	1.3E-01	3.8E-02	2.1E-01
	03.03	8/8	4.6E-02	6.7E-01	1.8E-01	7.2E-02	3.2E-01
	03.04	3/3	1.7E-02	1.5E-01	8.9E-02	3.9E-02	2.0E-01
	04.01	5/7	1.4E-02	2.3E-01 *	3.3E-02	6.1E-03	4.5E-02
	04.02	4/4	2.3E-02	3.1E-01	1.2E-01	6.7E-02	2.7E-01
	04.03	5/5	4.3E-02	2.9E-01	1.8E-01	4.0E-02	2.6E-01
	04.04	0/0					
	02.04	2/3	3.3E-02	2.3E-01 *	7.1E-02	3.8E-02	1.8E-01
	03.01	1/1	1.7E-01	1.7E-01	1.7E-01		
	03.02	5/5	1.0E-01	5.1E-01	2.4E-01	7.5E-02	4.0E-01
	03.03	8/8	8.4E-02	1.0E+00	3.2E-01	1.1E-01	5.2E-01
Benzo(b)fluoranthene (Mg/kg)	03.04	3/3	3.2E-02	1.9E-01	1.2E-01	4.6E-02	2.5E-01
	04.01	5/7	2.2E-02	2.3E-01 *	6.4E-02	1.4E-02	9.2E-02
	04.02	4/4	3.5E-02	2.0E-01	1.1E-01	3.9E-02	2.0E-01
	04.03	5/5	6.8E-02	9.9E-02	8.6E-02	7.0E-03	1.0E-01
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	1/1	9.4E-02	9.4E-02	9.4E-02		
	03.02	5/5	5.3E-02	1.8E-01	1.1E-01	2.4E-02	1.6E-01
	03.03	8/8	3.9E-02	4.8E-01	1.1E-01	5.2E-02	2.1E-01
	03.04	2/3	6.7E-02	2.1E-01 *	8.9E-02	2.2E-02	1.5E-01
	04.01	2/7	3.1E-02	4.5E-01 *	4.6E-02	1.5E-02	7.4E-02
	04.02	4/4	2.3E-02	7.0E-02	4.6E-02	1.3E-02	7.6E-02
	04.03	5/5	3.3E-02	5.4E-02	4.4E-02	4.2E-03	5.3E-02
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
Benzo(ghi)perylene (Mg/kg)	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	1/1	9.4E-02	9.4E-02	9.4E-02		
	03.02	5/5	5.3E-02	1.8E-01	1.1E-01	2.4E-02	1.6E-01
	03.03	8/8	3.9E-02	4.8E-01	1.1E-01	5.2E-02	2.1E-01
	03.04	2/3	6.7E-02	2.1E-01 *	8.9E-02	2.2E-02	1.5E-01
	04.01	2/7	3.1E-02	4.5E-01 *	4.6E-02	1.5E-02	7.4E-02
	04.02	4/4	2.3E-02	7.0E-02	4.6E-02	1.3E-02	7.6E-02
	04.03	5/5	3.3E-02	5.4E-02	4.4E-02	4.2E-03	5.3E-02
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	1/1	9.4E-02	9.4E-02	9.4E-02		
	03.02	5/5	5.3E-02	1.8E-01	1.1E-01	2.4E-02	1.6E-01
	03.03	8/8	3.9E-02	4.8E-01	1.1E-01	5.2E-02	2.1E-01
	03.04	2/3	6.7E-02	2.1E-01 *	8.9E-02	2.2E-02	1.5E-01
	04.01	2/7	3.1E-02	4.5E-01 *	4.6E-02	1.5E-02	7.4E-02
Benzo(k)fluoranthene (Mg/kg)	04.02	4/4	2.3E-02	7.0E-02	4.6E-02	1.3E-02	7.6E-02
	04.03	5/5	3.3E-02	5.4E-02	4.4E-02	4.2E-03	5.3E-02
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	1/1	9.4E-02	9.4E-02	9.4E-02		
	03.02	5/5	5.3E-02	1.8E-01	1.1E-01	2.4E-02	1.6E-01
	03.03	8/8	3.9E-02	4.8E-01	1.1E-01	5.2E-02	2.1E-01
	03.04	2/3	6.7E-02	2.1E-01 *	8.9E-02	2.2E-02	1.5E-01
	04.01	2/7	3.1E-02	4.5E-01 *	4.6E-02	1.5E-02	7.4E-02
	04.02	4/4	2.3E-02	7.0E-02	4.6E-02	1.3E-02	7.6E-02
	04.03	5/5	3.3E-02	5.4E-02	4.4E-02	4.2E-03	5.3E-02
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	1/1	9.4E-02	9.4E-02	9.4E-02		
	03.02	5/5	5.3E-02	1.8E-01	1.1E-01	2.4E-02	1.6E-01
	03.03	8/8	3.9E-02	4.8E-01	1.1E-01	5.2E-02	2.1E-01
	03.04	2/3	6.7E-02	2.1E-01 *	8.9E-02	2.2E-02	1.5E-01
	04.01	2/7	3.1E-02	4.5E-01 *	4.6E-02	1.5E-02	7.4E-02
	04.02	4/4	2.3E-02	7.0E-02	4.6E-02	1.3E-02	7.6E-02
	04.03	5/5	3.3E-02	5.4E-02	4.4E-02	4.2E-03	5.3E-02
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Benzoic acid (Mg/kg)	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	5/5	2.1E-02	7.9E-02	4.5E-02	1.1E-02	6.8E-02
	03.03	8/8	2.7E-02	4.2E-01	9.8E-02	4.7E-02	1.9E-01
	03.04	2/3	2.5E-02	2.1E-01 *	3.0E-02	5.3E-03	4.5E-02
	04.01	0/7	2.0E-01	4.5E-01 *			
	04.02	2/4	4.5E-02	2.1E-01 *	4.7E-02	1.5E-03	5.0E-02
	04.03	5/5	1.9E-02	3.0E-02	2.5E-02	1.8E-03	2.8E-02
	04.04	0/0					
	02.04	0/3	4.9E-01	6.4E-01 *			
	03.01	0/1	6.3E-01	6.3E-01 *			
	03.02	0/5	5.7E-01	6.7E-01 *			
	03.03	1/8	4.8E-01	6.4E-01 *	4.8E-01		
	03.04	0/3	5.2E-01	5.9E-01 *			
	04.01	0/7	4.9E-01	1.1E+00 *			
	04.02	0/4	5.1E-01	6.8E-01 *			
	04.03	0/5	5.3E-01	6.7E-01 *			
Beryllium (Mg/kg)	04.04	0/0					
	02.04	3/3	6.4E-01	1.3E+00	9.0E-01	2.0E-01	1.5E+00
	03.01	1/1	7.0E-01	7.0E-01	7.0E-01		
	03.02	5/5	5.3E-01	1.0E+00	7.2E-01	9.4E-02	9.2E-01
	03.03	8/8	3.1E-01	8.3E-01	6.2E-01	6.0E-02	7.3E-01
	03.04	3/3	3.3E-01	8.3E-01	6.0E-01	1.4E-01	1.0E+00
	04.01	7/7	2.5E-01	1.0E+00	5.1E-01	9.6E-02	7.0E-01
	04.02	5/5	3.1E-01	7.8E-01	5.1E-01	9.0E-02	7.0E-01
	04.03	5/5	4.2E-01	7.1E-01	6.0E-01	4.8E-02	7.1E-01
	04.04	0/0					
	02.04	3/10	3.2E-08	1.1E-05	1.2E-06	1.3E-06	3.5E-06
	03.01	0/0					
	03.02	0/0					
Beryllium-7 (PCI/G)							

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Bis(2-ethylhexyl)phthalate (Mg/kg)	03.03	0/0					
	03.04	0/0					
	04.01	6/11	3.4E-08	3.0E-06	6.6E-07	3.0E-07	1.2E-06
	04.02	0/3	4.1E-06	7.0E-06 *			
	04.03	0/0					
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	1/1	3.0E-02	3.0E-02	3.0E-02		
	03.02	1/5	2.3E-01	4.3E-01	4.3E-01		
	03.03	4/8	1.5E-01	2.6E-01 *	1.8E-01	1.6E-02	2.1E-01
	03.04	3/3	3.6E-02	8.2E-02	6.1E-02	1.3E-02	1.0E-01
	04.01	7/7	1.7E-02	1.2E-01	6.4E-02	1.6E-02	9.4E-02
	04.02	2/4	5.5E-02	2.8E-01 *	7.5E-02	2.0E-02	1.2E-01
	04.03	5/5	5.5E-02	1.5E-01	1.1E-01	1.8E-02	1.5E-01
	04.04	0/0					
	02.04	3/3	2.9E+00	4.9E+00	4.1E+00	6.0E-01	5.8E+00
Boron (Mg/kg)	03.01	1/1	3.8E+00	3.8E+00	3.8E+00		
	03.02	3/5	8.9E-01	6.8E+00	5.1E+00	6.2E-01	6.4E+00
	03.03	4/8	9.0E-01	8.1E+00	3.4E+00	7.4E-01	4.8E+00
	03.04	3/3	8.4E+00	1.2E+01	9.9E+00	1.0E+00	1.3E+01
	04.01	6/7	1.4E+00	4.8E+00	3.3E+00	4.1E-01	4.1E+00
	04.02	5/5	1.2E+00	5.1E+00	2.2E+00	7.2E-01	3.8E+00
	04.03	5/5	2.3E+00	4.1E+00	3.1E+00	3.2E-01	3.8E+00
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	3/5	1.6E-02	2.5E-01 *	2.4E-02	4.6E-03	3.4E-02
	03.03	1/8	1.6E-02	2.7E-01 *	1.6E-02		
	03.04	0/3	2.1E-01	2.4E-01 *			
Butylbenzylphthalate (Mg/kg)							

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Cadmium (Mg/kg)	04.01	2/7	2.3E-02	4.5E-01 *	2.3E-02	0.0E+00	2.3E-02
	04.02	1/4	5.6E-02	2.8E-01 *	5.6E-02		
	04.03	2/5	2.5E-02	2.8E-01 *	3.0E-02	5.0E-03	4.1E-02
	04.04	0/0					
	02.04	3/3	1.9E-01	4.8E-01	3.0E-01	9.0E-02	5.6E-01
	03.01	1/1	2.1E+00	2.1E+00	2.1E+00		
	03.02	5/5	6.6E-01	5.3E+00	2.2E+00	8.4E-01	4.0E+00
	03.03	8/8	3.9E-01	3.5E+00	1.5E+00	4.0E-01	2.3E+00
	03.04	3/3	1.2E-01	1.9E+00	8.4E-01	5.4E-01	2.4E+00
	04.01	7/7	1.3E-01	4.6E-01	2.7E-01	4.9E-02	3.7E-01
	04.02	5/5	1.5E-01	5.1E-01	2.5E-01	7.0E-02	4.0E-01
	04.03	5/5	2.6E-01	5.6E-01	3.8E-01	5.4E-02	5.0E-01
	04.04	0/0					
	02.04	3/3	2.2E+03	3.5E+03	2.7E+03	4.1E+02	3.9E+03
	03.01	1/1	1.9E+03	1.9E+03	1.9E+03		
	03.02	5/5	1.5E+03	4.2E+04	1.0E+04	8.0E+03	2.7E+04
Calcium (Mg/kg)	03.03	8/8	1.3E+03	3.3E+03	2.0E+03	2.7E+02	2.5E+03
	03.04	3/3	1.2E+03	1.8E+03	1.5E+03	1.8E+02	2.1E+03
	04.01	7/7	8.5E+02	2.8E+03	1.9E+03	2.8E+02	2.5E+03
	04.02	5/5	1.0E+03	4.4E+03	2.3E+03	6.4E+02	3.7E+03
	04.03	5/5	8.2E+02	5.0E+03	2.2E+03	7.2E+02	3.8E+03
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	3/5	4.6E-02	2.5E-01 *	4.8E-02	1.0E-03	5.0E-02
	03.03	7/8	1.7E-02	2.3E-01 *	7.3E-02	2.7E-02	1.2E-01
	03.04	2/3	2.5E-02	2.1E-01 *	7.4E-02	4.9E-02	2.2E-01
	04.01	0/7	2.0E-01	4.5E-01 *			
	04.02	1/4	1.6E-02	2.8E-01 *	1.6E-02		
Carbazole (Mg/kg)							

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Cesium-137 (PCI/G)	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
	02.04	25/25	2.4E-01	1.0E+01	2.7E+00	4.6E-01	3.5E+00
	03.01	0/1	2.1E-01	2.1E-01 *			
	03.02	6/6	3.0E-01	1.8E+00	7.3E-01	2.4E-01	1.2E+00
	03.03	7/8	1.1E-01	3.1E+00	9.3E-01	4.0E-01	1.7E+00
	03.04	4/4	3.2E-01	5.1E+00	2.7E+00	1.0E+00	5.1E+00
	04.01	27/27	2.0E-01	2.8E+01	3.9E+00	1.2E+00	5.9E+00
	04.02	12/12	3.3E-01	7.4E+00	3.5E+00	8.3E-01	5.0E+00
	04.03	30/30	2.1E-01	2.9E+01	2.4E+00	9.4E-01	4.0E+00
	04.04	16/16	2.8E-01	5.7E+00	1.9E+00	4.3E-01	2.7E+00
	02.04	3/3	1.3E+01	2.1E+01	1.6E+01	2.5E+00	2.3E+01
	03.01	1/1	2.1E+01	2.1E+01	2.1E+01		
	03.02	5/5	1.8E+01	2.3E+02	7.6E+01	4.0E+01	1.6E+02
	03.03	8/8	1.5E+01	1.2E+02	4.2E+01	1.3E+01	6.7E+01
	03.04	3/3	1.3E+01	5.6E+01	2.7E+01	1.5E+01	7.0E+01
Chrysene (Mg/kg)	04.01	7/7	8.5E+00	2.1E+01	1.6E+01	1.9E+00	1.9E+01
	04.02	5/5	1.1E+01	1.9E+01	1.6E+01	1.5E+00	1.9E+01
	04.03	5/5	2.1E+01	3.9E+01	2.9E+01	2.9E+00	3.5E+01
	04.04	0/0					
	02.04	2/3	1.7E-02	2.3E-01 *	6.2E-02	4.5E-02	1.9E-01
	03.01	1/1	8.8E-02	8.8E-02	8.8E-02		
	03.02	5/5	7.9E-02	3.3E-01	1.6E-01	4.5E-02	2.6E-01
	03.03	8/8	7.8E-02	7.3E-01	2.3E-01	7.4E-02	3.7E-01
	03.04	3/3	2.4E-02	1.2E-01	8.1E-02	2.9E-02	1.7E-01
	04.01	4/7	4.2E-02	2.3E-01 *	5.3E-02	7.7E-03	6.8E-02
	04.02	4/4	2.9E-02	1.5E-01	9.0E-02	3.0E-02	1.6E-01
	04.03	5/5	5.7E-02	6.7E-02	6.4E-02	2.1E-03	6.8E-02
	04.04	0/0					

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Cobalt (Mg/kg)	02.04	3/3	8.8E+00	1.6E+01	1.2E+01	2.2E+00	1.8E+01
	03.01	1/1	2.0E+01	2.0E+01	2.0E+01		
	03.02	5/5	1.1E+01	2.1E+01	1.7E+01	2.0E+00	2.1E+01
	03.03	8/8	9.9E+00	2.4E+01	1.5E+01	1.5E+00	1.8E+01
	03.04	3/3	9.3E+00	1.3E+01	1.1E+01	1.2E+00	1.4E+01
	04.01	7/7	5.4E+00	1.1E+01	8.3E+00	8.6E-01	9.9E+00
	04.02	5/5	7.8E+00	1.1E+01	9.4E+00	5.3E-01	1.1E+01
	04.03	5/5	6.6E+00	1.6E+01	1.2E+01	1.7E+00	1.6E+01
	04.04	0/0					
	02.04	21/25	2.0E-02	2.2E-01	6.7E-02	7.8E-03	8.1E-02
	03.01	0/1	1.9E-01	1.9E-01 *			
	03.02	1/6	6.8E-03	1.6E-01	6.8E-03		
Cobalt-60 (PCI/G)	03.03	0/8	5.8E-02	1.6E-01 *			
	03.04	1/4	7.2E-02	1.9E-01	7.2E-02		
	04.01	20/27	1.5E-02	1.3E-01	5.3E-02	6.3E-03	6.4E-02
	04.02	9/13	3.3E-02	2.4E-01	1.0E-01	2.1E-02	1.4E-01
	04.03	27/30	1.3E-02	2.4E-01	6.4E-02	8.8E-03	7.8E-02
	04.04	15/16	1.3E-02	1.6E-01	5.7E-02	1.1E-02	7.7E-02
	02.04	3/3	5.9E+00	1.2E+01	9.8E+00	2.0E+00	1.6E+01
	03.01	1/1	2.6E+01	2.6E+01	2.6E+01		
	03.02	5/5	1.5E+01	1.4E+02	6.2E+01	2.5E+01	1.2E+02
	03.03	8/8	8.8E+00	5.9E+01	2.8E+01	7.0E+00	4.1E+01
	03.04	3/3	5.5E+00	4.1E+01	1.9E+01	1.1E+01	5.2E+01
	04.01	7/7	4.4E+00	1.4E+01	8.3E+00	1.2E+00	1.1E+01
Di-n-octylphthalate (Mg/kg)	04.02	5/5	4.4E+00	1.7E+01	9.4E+00	2.1E+00	1.4E+01
	04.03	5/5	1.4E+01	3.3E+01	2.3E+01	3.6E+00	3.1E+01
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Dibenz(a,h)anthracene (Mg/kg)	03.02	0/5	2.3E-01	2.8E-01 *			
	03.03	1/8	5.7E-02	2.6E-01 *	5.7E-02		
	03.04	0/3	2.1E-01	2.4E-01 *			
	04.01	0/7	2.0E-01	4.5E-01 *			
	04.02	0/4	2.1E-01	2.8E-01 *			
	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	2/5	2.9E-02	2.8E-01 *	3.2E-02	2.5E-03	3.7E-02
	03.03	6/8	2.1E-02	2.4E-01 *	4.2E-02	1.6E-02	7.2E-02
	03.04	2/3	2.9E-02	2.1E-01 *	7.8E-02	4.9E-02	2.2E-01
	04.01	0/7	2.0E-01	4.5E-01 *			
	04.02	2/4	1.8E-02	2.1E-01 *	1.9E-02	1.0E-03	2.1E-02
	04.03	1/5	1.4E-02	2.8E-01 *	1.4E-02		
	04.04	0/0					
Dibenzofuran (Mg/kg)	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	5/5	2.2E-02	6.0E-02	3.7E-02	7.0E-03	5.2E-02
	03.03	7/8	1.7E-02	2.3E-01 *	5.7E-02	2.1E-02	9.6E-02
	03.04	2/3	3.0E-02	2.1E-01 *	3.1E-02	1.3E-03	3.4E-02
	04.01	2/7	1.4E-02	4.5E-01 *	1.6E-02	1.5E-03	1.8E-02
	04.02	2/4	1.6E-02	2.8E-01 *	3.8E-02	2.2E-02	8.8E-02
	04.03	4/5	2.5E-02	2.2E-01 *	5.8E-02	3.1E-02	1.2E-01
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	0/5	2.3E-01	2.8E-01 *			
Diethylphthalate (Mg/kg)	03.03	1/8	1.4E-01	2.7E-01 *	1.4E-01		

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Fluoranthene (Mg/kg)	03.04	1/3	1.4E-01	2.3E-01 *	1.4E-01		
	04.01	1/7	3.7E-02	4.5E-01 *	3.7E-02		
	04.02	1/4	3.4E-02	2.8E-01 *	3.4E-02		
	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
	02.04	2/3	2.3E-02	2.3E-01 *	6.6E-02	4.3E-02	1.9E-01
	03.01	1/1	1.4E-01	1.4E-01	1.4E-01		
	03.02	5/5	8.3E-02	5.9E-01	3.3E-01	9.7E-02	5.3E-01
	03.03	8/8	1.1E-01	1.4E+00	4.1E-01	1.5E-01	7.0E-01
	03.04	3/3	2.7E-02	2.7E-01	1.4E-01	7.1E-02	3.5E-01
Fluorene (Mg/kg)	04.01	5/7	2.4E-02	2.3E-01 *	8.3E-02	2.0E-02	1.2E-01
	04.02	4/4	3.8E-02	2.6E-01	1.4E-01	5.1E-02	2.6E-01
	04.03	5/5	6.7E-02	1.0E-01	9.0E-02	6.0E-03	1.0E-01
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	2/5	2.5E-02	2.5E-01 *	3.7E-02	1.2E-02	6.3E-02
	03.03	5/8	3.7E-02	2.4E-01 *	7.6E-02	2.2E-02	1.2E-01
	03.04	2/3	2.4E-02	2.1E-01 *	7.4E-02	5.0E-02	2.2E-01
	04.01	0/7	2.0E-01	4.5E-01 *			
Heptachlor (Mg/kg)	04.02	1/4	1.8E-02	2.8E-01 *	1.8E-02		
	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
	02.04	0/3	4.2E-04	5.4E-04 *			
	03.01	0/1	5.4E-04	5.4E-04 *			
	03.02	0/5	4.8E-04	1.1E-03 *			
	03.03	0/8	4.8E-04	2.5E-03 *			
	03.04	0/3	4.4E-04	4.9E-04 *			
	04.01	3/7	4.1E-04	1.1E-03	7.3E-04	8.3E-05	8.9E-04

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Indeno(1,2,3-cd)pyrene (Mg/kg)	04.02	0/4	4.3E-04	5.7E-04 *			
	04.03	0/5	4.6E-04	5.7E-04 *			
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	1/1	8.9E-02	8.9E-02	8.9E-02	2.0E-02	1.8E-01
	03.02	3/5	1.2E-01	2.5E-01 *	1.4E-01	6.2E-02	2.5E-01
	03.03	8/8	4.4E-02	5.6E-01	1.3E-01	1.4E-02	1.2E-01
	03.04	2/3	6.8E-02	2.1E-01 *	8.2E-02	1.4E-02	8.1E-02
	04.01	2/7	4.0E-02	4.5E-01 *	5.4E-02	1.7E-02	9.5E-02
	04.02	4/4	2.2E-02	9.4E-02	5.4E-02	5.1E-03	5.5E-02
	04.03	5/5	3.1E-02	5.9E-02	4.4E-02		
	04.04	0/0					
	02.04	3/3	1.5E+04	2.6E+04	2.0E+04	3.5E+03	3.0E+04
Iron (Mg/kg)	03.01	1/1	1.8E+04	1.8E+04	1.8E+04		
	03.02	5/5	1.3E+04	2.4E+04	1.9E+04	2.2E+03	2.4E+04
	03.03	8/8	1.1E+04	3.3E+04	1.9E+04	2.4E+03	2.3E+04
	03.04	3/3	1.1E+04	1.9E+04	1.5E+04	2.3E+03	2.2E+04
	04.01	7/7	8.6E+03	2.0E+04	1.3E+04	1.5E+03	1.5E+04
	04.02	5/5	9.6E+03	1.6E+04	1.3E+04	1.4E+03	1.6E+04
	04.03	5/5	1.1E+04	2.4E+04	1.7E+04	2.1E+03	2.2E+04
	04.04	0/0					
	02.04	3/3	2.2E+02	7.2E+02	4.4E+02	1.5E+02	8.7E+02
	03.01	1/1	1.5E+03	1.5E+03	1.5E+03		
	03.02	5/5	1.3E+02	1.6E+03	5.8E+02	2.7E+02	1.2E+03
	03.03	8/8	1.2E+02	1.2E+03	6.6E+02	1.1E+02	8.7E+02
	03.04	3/3	5.2E+02	9.3E+02	6.7E+02	1.3E+02	1.0E+03
Kjeldahl nitrogen (Mg/kg)	04.01	5/7	9.8E+00	2.5E+02	9.2E+01	3.7E+01	1.6E+02
	04.02	5/5	2.8E+02	1.3E+03	6.3E+02	2.0E+02	1.1E+03
	04.03	5/5	4.1E+02	8.9E+02	5.5E+02	8.7E+01	7.4E+02

^aProduct Limit Estimator
^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Lead (Mg/kg)	04.04	0/0					
	02.04	3/3	1.6E+01	3.3E+01	2.2E+01	5.6E+00	3.8E+01
	03.01	1/1	1.9E+01	1.9E+01	1.9E+01		
	03.02	5/5	1.2E+01	5.3E+01	2.5E+01	7.6E+00	4.1E+01
	03.03	8/8	7.0E+00	3.8E+01	2.1E+01	3.4E+00	2.8E+01
	03.04	3/3	1.0E+01	2.0E+01	1.4E+01	3.0E+00	2.3E+01
	04.01	7/7	9.1E+00	4.8E+01	1.8E+01	5.1E+00	2.8E+01
	04.02	5/5	1.5E+01	3.3E+01	2.1E+01	3.2E+00	2.8E+01
	04.03	5/5	1.4E+01	7.1E+01	3.3E+01	9.9E+00	5.4E+01
	04.04	0/0					
	02.04	3/3	1.7E+03	2.6E+03	2.0E+03	3.0E+02	2.9E+03
	03.01	1/1	1.5E+03	1.5E+03	1.5E+03		
	03.02	5/5	1.2E+03	2.9E+03	1.8E+03	3.6E+02	2.5E+03
	03.03	8/8	9.2E+02	1.7E+03	1.4E+03	1.1E+02	1.6E+03
Magnesium (Mg/kg)	03.04	3/3	9.6E+02	1.2E+03	1.0E+03	6.3E+01	1.2E+03
	04.01	7/7	6.3E+02	2.0E+03	1.4E+03	1.9E+02	1.8E+03
	04.02	5/5	8.9E+02	2.5E+03	1.5E+03	2.8E+02	2.1E+03
	04.03	5/5	7.1E+02	2.6E+03	1.4E+03	3.3E+02	2.1E+03
	04.04	0/0					
	02.04	3/3	9.3E+02	1.9E+03	1.4E+03	2.9E+02	2.2E+03
	03.01	1/1	3.8E+02	3.8E+02	3.8E+02		
	03.02	5/5	3.4E+02	8.5E+02	5.2E+02	9.2E+01	7.2E+02
	03.03	8/8	3.6E+02	1.4E+03	6.7E+02	1.3E+02	9.2E+02
	03.04	3/3	3.8E+02	6.6E+02	5.0E+02	8.1E+01	7.4E+02
	04.01	7/7	3.5E+02	8.0E+02	5.7E+02	6.4E+01	6.9E+02
	04.02	5/5	3.4E+02	1.2E+03	5.5E+02	1.7E+02	9.2E+02
	04.03	5/5	4.2E+02	2.0E+03	9.2E+02	2.7E+02	1.5E+03
	04.04	0/0					
	02.04	3/3	5.5E-02	1.8E-01	1.0E-01	3.6E-02	2.1E-01
Mercury (Mg/kg)							

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Methoxychlor (Mg/kg)	03.01	1/1	4.6E+00	4.6E+00	4.6E+00		
	03.02	5/5	8.4E+00	3.7E+01	2.0E+01	5.9E+00	3.2E+01
	03.03	8/8	2.0E+00	1.2E+01	5.4E+00	1.1E+00	7.5E+00
	03.04	3/3	2.1E+00	5.3E+01	1.9E+01	1.7E+01	6.8E+01
	04.01	7/7	6.6E-02	6.9E+00	2.8E+00	1.2E+00	5.0E+00
	04.02	5/5	2.9E-03	2.9E+00	1.3E+00	5.6E-01	2.5E+00
	04.03	5/5	7.3E-01	5.3E+00	2.1E+00	8.2E-01	3.8E+00
	04.04	0/0					
	02.04	0/3	4.2E-03	5.4E-03 *			
	03.01	0/1	5.4E-03	5.4E-03 *			
	03.02	0/5	4.8E-03	1.1E-02 *			
	03.03	1/8	5.0E-03	1.5E-01	1.5E-01		
	03.04	0/3	4.4E-03	4.9E-03 *			
	04.01	0/7	4.1E-03	5.0E-03 *			
	04.02	0/4	4.3E-03	5.7E-03 *			
	04.03	0/5	4.6E-03	5.7E-03 *			
	04.04	0/0					
Methyl mercury (Mg/kg)	02.04	3/3	5.3E-05	3.1E-04	2.0E-04	7.6E-05	4.2E-04
	03.01	1/1	2.8E-03	2.8E-03	2.8E-03		
	03.02	5/5	3.0E-03	1.2E-02	6.6E-03	1.6E-03	9.9E-03
	03.03	8/8	9.3E-04	5.5E-03	2.4E-03	5.3E-04	3.4E-03
	03.04	3/3	1.1E-03	8.8E-03	5.0E-03	2.2E-03	1.1E-02
	04.01	7/7	1.9E-04	3.6E-03	1.6E-03	4.9E-04	2.5E-03
	04.02	5/5	1.1E-04	2.2E-03	8.4E-04	3.8E-04	1.6E-03
	04.03	5/5	2.9E-04	1.2E-03	7.5E-04	1.5E-04	1.1E-03
	04.04	0/0					
	02.04	1/3	2.6E-02	2.3E-01 *	2.6E-02		
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	5/5	5.0E-02	1.2E-01	8.0E-02	1.4E-02	1.1E-01
Naphthalene (Mg/kg)							

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Nickel (Mg/kg)	03.03	8/8	3.6E-02	3.9E-01	1.1E-01	4.2E-02	1.9E-01
	03.04	3/3	1.7E-02	7.0E-02	5.0E-02	1.6E-02	9.7E-02
	04.01	5/7	2.5E-02	2.3E-01 *	3.6E-02	4.3E-03	4.4E-02
	04.02	3/4	2.3E-02	2.8E-01 *	7.2E-02	3.9E-02	1.6E-01
	04.03	5/5	2.2E-02	7.0E-02	5.2E-02	8.6E-03	7.0E-02
	04.04	0/0					
	02.04	3/3	1.4E+01	2.5E+01	1.8E+01	3.7E+00	2.9E+01
	03.01	1/1	2.9E+01	2.9E+01	2.9E+01		
	03.02	5/5	3.0E+01	2.3E+02	1.2E+02	4.2E+01	2.0E+02
	03.03	8/8	1.7E+01	8.6E+01	4.3E+01	8.9E+00	6.0E+01
	03.04	3/3	9.7E+00	6.3E+01	3.0E+01	1.7E+01	7.9E+01
	04.01	7/7	8.1E+00	2.6E+01	1.6E+01	2.6E+00	2.1E+01
	04.02	5/5	1.0E+01	2.1E+01	1.4E+01	2.0E+00	1.8E+01
	04.03	5/5	1.5E+01	3.0E+01	2.2E+01	2.9E+00	2.8E+01
	04.04	0/0					
	02.04	0/3	8.1E-03	1.1E-02 *			
PCB-1248 (Mg/kg)	03.01	0/1	1.1E-02	1.1E-02 *			
	03.02	2/5	1.0E-02	2.9E-01	1.0E-01	6.0E-02	2.3E-01
	03.03	0/8	9.4E-03	4.8E-02 *			
	03.04	0/3	8.5E-03	9.4E-03 *			
	04.01	0/7	8.0E-03	9.7E-03 *			
	04.02	0/4	8.3E-03	1.1E-02 *			
	04.03	0/5	8.9E-03	1.1E-02 *			
	04.04	0/0					
	02.04	0/3	8.1E-03	1.1E-02 *			
	03.01	0/1	1.1E-02	1.1E-02 *			
	03.02	4/5	1.0E-02	5.1E-01	2.4E-01	7.4E-02	4.0E-01
	03.03	8/8	2.0E-02	5.3E-01	1.5E-01	5.9E-02	2.6E-01
	03.04	3/3	6.5E-03	1.1E-01	5.5E-02	2.9E-02	1.4E-01
PCB-1254 (Mg/kg)							

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
PCB-1260 (Mg/kg)	04.01	4/6	8.6E-03	5.5E-02	4.1E-02	4.3E-03	5.0E-02
	04.02	2/4	8.3E-03	4.5E-02	2.0E-02	1.0E-02	4.4E-02
	04.03	1/5	8.9E-03	8.2E-02	8.2E-02		
	04.04	0/0					
	02.04	0/3	8.1E-03	1.1E-02 *			
	03.01	1/1	1.9E-02	1.9E-02	1.9E-02		
	03.02	5/5	3.3E-02	5.6E-01	1.9E-01	9.5E-02	3.9E-01
	03.03	8/8	2.1E-02	2.8E-01	8.7E-02	3.0E-02	1.4E-01
	03.04	2/3	8.5E-03	9.2E-02	5.5E-02	2.1E-02	1.2E-01
	04.01	4/7	8.0E-03	3.4E-02	2.5E-02	2.5E-03	2.9E-02
	04.02	1/4	8.3E-03	2.8E-02	2.8E-02		
	04.03	1/5	8.9E-03	4.3E-02	4.3E-02		
	04.04	0/0					
	02.04	1/3	2.6E-01	6.4E-01 *	2.6E-01		
	03.01	0/1	6.3E-01	6.3E-01 *			
	03.02	0/5	5.7E-01	6.7E-01 *			
Pentachlorophenol (Mg/kg)	03.03	0/8	5.7E-01	6.4E-01 *			
	03.04	0/3	5.2E-01	5.7E-01 *			
	04.01	0/7	4.9E-01	1.1E+00 *			
	04.02	0/4	5.1E-01	6.8E-01 *			
	04.03	1/5	3.7E-02	6.7E-01 *	3.7E-02		
	04.04	0/0					
	02.04	1/3	2.7E-02	2.3E-01 *	2.7E-02		
	03.01	1/1	7.4E-02	7.4E-02	7.4E-02		
	03.02	5/5	1.1E-01	4.9E-01	2.5E-01	6.9E-02	4.0E-01
	03.03	8/8	9.6E-02	1.2E+00	3.3E-01	1.3E-01	5.8E-01
	03.04	3/3	2.5E-02	3.1E-01	1.6E-01	8.3E-02	4.0E-01
	04.01	5/7	2.2E-02	2.3E-01 *	5.6E-02	9.5E-03	7.5E-02
	04.02	4/4	4.5E-02	2.2E-01	1.0E-01	4.0E-02	2.0E-01
Phenanthrene (Mg/kg)							

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Phenol (Mg/kg)	04.03	5/5	5.5E-02	1.0E-01	8.2E-02	8.8E-03	1.0E-01
	04.04	0/0					
	02.04	0/3	2.0E-01	2.6E-01 *			
	03.01	0/1	2.6E-01	2.6E-01 *			
	03.02	1/5	6.8E-02	2.8E-01 *	6.8E-02		
	03.03	0/8	2.3E-01	2.7E-01 *			
	03.04	0/3	2.1E-01	2.4E-01 *			
	04.01	0/7	2.0E-01	4.5E-01 *			
	04.02	0/4	2.1E-01	2.8E-01 *			
	04.03	0/5	2.2E-01	2.8E-01 *			
	04.04	0/0					
	02.04	3/3	1.0E+03	2.0E+03	1.4E+03	3.0E+02	2.2E+03
Potassium (Mg/kg)	03.01	1/1	1.4E+03	1.4E+03	1.4E+03		
	03.02	5/5	9.5E+02	2.3E+03	1.4E+03	2.4E+02	1.9E+03
	03.03	8/8	6.6E+02	1.3E+03	1.0E+03	7.1E+01	1.2E+03
	03.04	3/3	5.7E+02	1.0E+03	7.4E+02	1.4E+02	1.1E+03
	04.01	7/7	3.9E+02	1.3E+03	8.3E+02	1.2E+02	1.1E+03
	04.02	5/5	5.9E+02	1.1E+03	7.8E+02	8.0E+01	9.5E+02
	04.03	5/5	5.7E+02	1.2E+03	8.5E+02	1.3E+02	1.1E+03
	04.04	0/0					
	02.04	10/10	6.5E+00	1.6E+01	1.2E+01	9.5E-01	1.4E+01
	03.01	0/0					
	03.02	0/0					
	03.03	0/0					
Potassium-40 (PCI/G)	03.04	0/0					
	04.01	11/11	6.4E+00	1.6E+01	9.3E+00	8.5E-01	1.1E+01
	04.02	3/3	1.1E+01	1.7E+01	1.4E+01	1.6E+00	1.8E+01
	04.03	0/0					
	04.04	0/0					

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

[illegible]

^aProduct Limit Estimator
^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Strontium-90 (PCI/G)	03.02	5/5	2.7E+01	7.1E+01	5.1E+01	7.3E+00	6.6E+01
	03.03	8/8	2.3E+01	1.0E+02	4.0E+01	8.8E+00	5.7E+01
	03.04	3/3	3.8E+01	6.7E+01	5.2E+01	8.3E+00	7.6E+01
	04.01	7/7	2.4E+01	4.8E+01	3.3E+01	3.0E+00	3.8E+01
	04.02	5/5	1.9E+01	3.4E+01	2.6E+01	2.4E+00	3.1E+01
	04.03	5/5	2.6E+01	4.5E+01	3.3E+01	3.4E+00	4.1E+01
	04.04	0/0					
	02.04	0/4	9.0E-01	1.3E+00 *			
	03.01	0/1	9.4E-01	9.4E-01 *			
	03.02	1/5	4.2E-01	1.8E+00 *	7.4E-01		
	03.03	1/8	3.6E-01	2.2E+00 *	9.7E-01		
	03.04	0/3	1.6E+00	1.9E+00 *			
	04.01	0/7	9.7E-01	1.3E+00 *			
	04.02	0/5	1.1E+00	3.0E+00 *			
	04.03	0/5	2.2E+00	7.6E+00 *			
	04.04	0/0					
Technetium-99 (PCI/G)	02.04	0/1	1.5E+00	1.5E+00 *			
	03.01	0/1	1.5E+00	1.5E+00 *			
	03.02	4/5	1.8E+00	1.8E+02	4.0E+01	3.6E+01	1.2E+02
	03.03	8/8	3.7E+00	2.2E+01	8.7E+00	2.1E+00	1.3E+01
	03.04	0/3	1.2E+00	1.4E+00 *			
	04.01	0/0					
	04.02	0/0					
	04.03	0/0					
	04.04	0/0					
	02.04	3/3	3.1E+05	3.6E+05	3.4E+05	1.6E+04	3.9E+05
Total combustible organics (TCO) (Mg/kg)	03.01	1/1	5.0E+05	5.0E+05	5.0E+05		
	03.02	4/4	3.2E+03	6.6E+04	3.0E+04	1.6E+04	6.8E+04
	03.03	8/8	3.3E+03	4.3E+05	2.9E+05	5.7E+04	4.0E+05

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Total organic carbon (TOC) (Mg/kg)	03.04	3/3	2.3E+05	3.4E+05	3.0E+05	3.5E+04	4.0E+05
	04.01	7/7	1.2E+04	5.5E+04	3.3E+04	5.6E+03	4.4E+04
	04.02	5/5	2.2E+05	4.1E+05	3.1E+05	3.4E+04	3.8E+05
	04.03	5/5	2.7E+05	4.4E+05	3.4E+05	3.1E+04	4.1E+05
	04.04	0/0					
	02.04	3/3	8.9E+03	1.4E+04	1.2E+04	1.6E+03	1.7E+04
	03.01	1/1	1.2E+04	1.2E+04	1.2E+04		
	03.02	2/2	1.7E+04	2.4E+04	2.1E+04	3.6E+03	4.3E+04
Uranium (Mg/kg)	03.03	0/0					
	03.04	3/3	6.0E+03	1.1E+04	7.9E+03	1.5E+03	1.2E+04
	04.01	6/6	4.4E+03	1.3E+04	8.9E+03	1.5E+03	1.2E+04
	04.02	5/5	5.2E+03	2.1E+04	1.2E+04	3.0E+03	1.8E+04
	04.03	5/5	9.9E+03	2.2E+04	1.4E+04	2.2E+03	1.9E+04
	04.04	0/0					
	02.04	3/3	3.3E-01	7.2E-01	4.8E-01	1.2E-01	8.3E-01
	03.01	1/1	3.3E+00	3.3E+00	3.3E+00		
Uranium-234 (PCI/G)	03.02	5/5	3.3E+00	5.2E+01	1.9E+01	9.3E+00	3.9E+01
	03.03	8/8	9.2E-01	3.3E+01	9.4E+00	3.6E+00	1.6E+01
	03.04	3/3	4.3E-01	1.3E+01	4.9E+00	3.8E+00	1.6E+01
	04.01	7/7	1.5E-01	2.1E+00	9.4E-01	2.7E-01	1.5E+00
	04.02	5/5	2.6E-01	1.4E+00	7.0E-01	2.0E-01	1.1E+00
	04.03	5/5	4.8E-01	2.1E+00	1.0E+00	2.8E-01	1.6E+00
	04.04	0/0					
	02.04	1/1	6.6E-01	6.6E-01	6.6E-01		
	03.01	1/1	1.9E+00	1.9E+00	1.9E+00		
	03.02	5/5	1.6E+00	8.3E+01	2.5E+01	1.6E+01	5.9E+01
	03.03	8/8	1.3E+00	1.4E+01	5.1E+00	1.5E+00	7.9E+00
	03.04	3/3	4.6E-01	2.9E+00	1.5E+00	7.3E-01	3.7E+00
	04.01	0/0					

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Uranium-235 (PCI/G)	04.02	0/0	.	.	.	.	.
	04.03	0/0	.	.	.	.	.
	04.04	0/0	.	.	.	.	.
	02.04	0/1	2.4E-02	2.4E-02 *	6.6E-02	8.3E-01	3.1E+00
	03.01	1/1	6.6E-02	6.6E-02	1.3E+00	8.3E-02	4.1E-01
	03.02	5/5	8.5E-02	4.5E+00	2.6E-01	2.3E-02	1.4E-01
	03.03	8/8	4.5E-02	7.4E-01	7.6E-02		
	03.04	3/3	4.2E-02	1.2E-01			
	04.01	0/0	.	.			
	04.02	0/0	.	.			
	04.03	0/0	.	.			
	04.04	0/0	.	.			
	02.04	1/1	6.6E-01	6.6E-01	6.6E-01	1.1E+01	4.1E+01
Uranium-238 (PCI/G)	03.01	1/1	1.2E+00	1.2E+00	1.2E+00	1.1E+00	6.0E+00
	03.02	5/5	1.2E+00	5.8E+01	1.7E+01	5.8E-01	2.7E+00
	03.03	8/8	1.3E+00	1.0E+01	4.0E+00		
	03.04	3/3	2.4E-01	2.2E+00	1.0E+00		
	04.01	0/0	.	.			
	04.02	0/0	.	.			
	04.03	0/0	.	.			
	04.04	0/0	.	.			
	02.04	3/3	1.4E+01	2.1E+01	1.7E+01	2.0E+00	2.2E+01
	03.01	1/1	1.8E+01	1.8E+01	1.8E+01	2.1E+00	2.1E+01
	03.02	5/5	1.1E+01	2.2E+01	1.7E+01	2.7E+00	2.1E+01
	03.03	8/8	7.9E+00	3.3E+01	1.6E+01	3.7E+00	2.5E+01
	03.04	3/3	8.4E+00	2.1E+01	1.4E+01	1.4E+00	1.4E+01
Vanadium (Mg/kg)	04.01	7/7	6.2E+00	1.7E+01	1.1E+01	1.7E+00	1.7E+01
	04.02	5/5	8.2E+00	1.7E+01	1.3E+01	1.8E+00	2.2E+01
	04.03	5/5	1.3E+01	2.3E+01	1.9E+01		

^aProduct Limit Estimator^bUpper Confidence Bound

Table C6 (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE ^a mean	Standard error	95% UCB ^b
Zinc (mg/kg)	04.04	0/0					
	02.04	3/3	4.7E+01	8.2E+01	6.1E+01	1.1E+01	9.3E+01
	03.01	1/1	7.7E+01	7.7E+01	7.7E+01		
	03.02	5/5	6.8E+01	2.4E+02	1.3E+02	3.5E+01	2.1E+02
	03.03	8/8	5.6E+01	1.5E+02	9.6E+01	1.3E+01	1.2E+02
	03.04	3/3	3.6E+01	9.1E+01	6.1E+01	1.6E+01	1.1E+02
	04.01	7/7	2.8E+01	6.7E+01	4.8E+01	5.4E+00	5.9E+01
	04.02	5/5	3.5E+01	8.0E+01	5.6E+01	8.5E+00	7.4E+01
	04.03	5/5	4.9E+01	7.8E+01	6.4E+01	6.1E+00	7.7E+01
	04.04	0/0					

^aProduct Limit Estimator
^bUpper Confidence Bound

Appendix D

BIOTA CHARACTERIZATION DATA TABLES

Table D1. Summary of data used in the characterization of fish. Data presented for primary species only. Empty cells indicate no samples were collected.

Species	Reach	Number of Samples - Phase 1			Number of Samples - Phase 2	
		Metals	Organics	Radionuclides	Metals	Organics
Bluegill	10	10		05	40	
Sunfish	00	10		02		
	01	10		02		
	02	11		11	40	
	13	10		02		
	03	28		11	39	
	04	19		14	40	08
	05	20		04	20	
	18				20	
Largemouth Bass	10	05		04	50	60
	00	05		05		
	01	03		03		
	02	02		02	26	26
	13					
	03	07		07	29	29
	04	08		08	40	50
	05	05		05	20	40
	18				20	30
Channel Catfish	10		08	08		60
	00		08	08		03
	01		08	08		
	02		14	14		20
	13		04	04		
	03		36	36		33
	04		18	18	25	75
	05		19	19		50
	06					03
	18					30
Striped Bass	10					15
	00					
	01					
	02					15
	13					
	03					
	04					15
	05					15
	18					

Table D2. Analytes undetected throughout the Clinch River and Poplar Creek in at least one fish species

Analyte	Max Det Limit	Frequency of Detects			
		Large- mouth Bass	Blue- gill	Channel Catfish	Other Species
1,2,4-Trichlorobenzene (MG/KG)	1.9	0/0	0/0	0/72	0/0
1,2-Dichlorobenzene (MG/KG)	1.9	0/0	0/0	0/72	0/0
1,3-Dichlorobenzene (MG/KG)	1.9	0/0	0/0	0/72	0/0
1,4-Dichlorobenzene (MG/KG)	1.9	0/0	0/0	0/72	0/0
2,2',3,3',4,4',5 Heptachlorobiphenyl (MG/KG)	0.01	27/185	0/1	50/227	14/62
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (MG/KG)	0.01	34/185	0/1	96/227	12/62
2,2',3,3',4,4',5,6-Octachlorobiphenyl (MG/KG)	0.01	0/185	0/1	40/227	2/62
2,2',3,3',4,4',6-Heptachlorobiphenyl (MG/KG)	0.01	4/185	0/1	91/227	11/62
2,2',3,3',4,4'-Hexachlorobiphenyl (MG/KG)	0.01	8/185	0/1	88/227	25/62
2,2',3,3',4,6'-Hexachlorobiphenyl (MG/KG)	0.01	2/185	0/1	15/227	7/62
2,2',3,4',5,5'-Hexachlorobiphenyl (MG/KG)	0.01	26/185	0/1	102/227	15/62
2,2',3,4,4',5',6-HeptaChlorobiphenyl (MG/KG)	0.01	13/185	0/1	102/227	18/62
2,2',3,4,4',5,5'-Heptachlorobiphenyl (MG/KG)	0.01	49/185	0/1	133/227	10/62
2,2',3,4,5'-Pentachlorobiphenyl (MG/KG)	0.01	6/185	0/1	54/227	18/62
2,2',3,5',6-Pentachlorobiphenyl (MG/KG)	0.01	9/185	0/1	79/227	27/62
2,2',3,5'-Tetrachlorobiphenyl (MG/KG)	0.01	2/185	0/1	31/227	15/62
2,2',3,5,5',6-Hexachlorobiphenyl (MG/KG)	0.01	12/185	0/1	108/227	35/62
2,2',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	0.02	75/185	0/1	90/227	24/62
2,2',4,4',5-Pentachlorobiphenyl (MG/KG)	0.01	43/185	0/1	88/227	32/62
2,2',4,5'-Tetrachlorobiphenyl (MG/KG)	0.01	4/185	0/1	57/227	30/62
2,2',5,5'-Tetrachlorobiphenyl (MG/KG)	0.01	16/185	0/1	65/227	33/62
2,2',5-Trichlorobiphenyl (MG/KG)	0.01	0/185	0/1	4/227	2/62
2,2'-oxybis(1-chloropropane) (MG/KG)	1.9	0/0	0/0	0/72	0/0
2,3',4',5'-Tetrachlorobiphenyl (MG/KG)	0.01	0/185	0/1	1/227	9/62
2,3',4',5-Tetrachlorobiphenyl (MG/KG)	0.01	2/185	0/1	7/227	7/62
2,3',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	0.01	0/185	0/1	30/227	1/62
2,3',4,4',5-Pentachlorobiphenyl (MG/KG)	0.01	49/185	0/1	140/227	39/62
2,3',4,4'-Tetrachlorobiphenyl (MG/KG)	0.01	5/185	0/1	55/227	3/62
2,3,3',4',6-Pentachlorobiphenyl (MG/KG)	0.01	39/185	0/1	114/227	32/62
2,3,3',4,4',5'-Hexachlorobiphenyl (MG/KG)	0.01	0/185	0/1	62/227	19/62
2,3,3',4,4',5-Hexachlorobiphenyl (MG/KG)	0.01	3/185	0/1	117/227	24/62
2,3,3',4,4',6-Hexachlorobiphenyl (MG/KG)	0.01	4/185	0/1	72/227	4/62
2,3,3',4,4'-Pentachlorobiphenyl (MG/KG)	0.01	1/185	0/1	23/227	3/62
2,3,4,4',5,6-Hexachlorobiphenyl (MG/KG)	0.01	0/185	0/1	0/227	0/62
2,3,4,4',5-Pentachlorobiphenyl (MG/KG)	0.01	41/185	0/1	143/227	42/62
2,4',5-Trichlorobiphenyl (MG/KG)	0.01	0/185	0/1	0/227	0/62
2,4,4'-Trichlorobiphenyl (MG/KG)	0.01	0/185	0/1	4/227	0/62
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)	0.01	67/185	0/1	101/227	26/62
2,4,5-Trichlorophenol (MG/KG)	9.3	0/0	0/0	0/90	0/0
2,4,6-Trichlorophenol (MG/KG)	1.9	0/0	0/0	0/90	0/0
2,4-Dichlorophenol (MG/KG)	1.9	0/0	0/0	0/91	0/0
2,4-Dimethylphenol (MG/KG)	1.9	0/0	0/0	0/91	0/0

Table D2. (continued)

Analyte	Max Det Limit	Frequency of Detects			
		Large- mouth Bass	Blue- gill	Channel Catfish	Other Species
2,4-Dinitrophenol (MG/KG)	9.3	0/0	0/0	0/90	0/0
2,4-Dinitrotoluene (MG/KG)	1.9	0/0	0/0	0/72	
0/02,6-Dinitrotoluene (MG/KG)	1.9	0/0	0/0	0/72	0/0
2-Chloronaphthalene (MG/KG)	1.9	0/0	0/0	0/72	0/0
2-Chlorophenol (MG/KG)	1.9	0/0	0/0	0/91	0/0
2-Methyl-4,6-dinitrophenol (MG/KG)	9.3	0/0	0/0	0/89	0/0
2-Methylnaphthalene (MG/KG)	1.9	0/0	0/0	0/75	0/0
2-Methylphenol (MG/KG)	1.9	0/0	0/0	0/90	0/0
2-Nitroaniline (MG/KG)	9.3	0/0	0/0	0/71	0/0
2-Nitrophenol (MG/KG)	1.9	0/0	0/0	0/90	0/0
3,3',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	0.01	1/185	0/1	0/227	0/62
3,3',4,4'-Tetrachlorobiphenyl (MG/KG)	0.01	30/185	0/1	129/227	35/62
3,3'-Dichlorobenzidine (MG/KG)	3.7	0/0	0/0	0/71	0/0
3,4,4',5-Tetrachlorobiphenyl (MG/KG)	0.01	6/185	0/1	85/227	29/62
3,4,4'-Trichlorobiphenyl (MG/KG)	0.01	1/185	0/1	20/227	12/62
3,4,5,3',4'-Pentachlorobiphenyl (MG/KG)	0.01	0/185	0/1	58/227	2/62
3-Nitroaniline (MG/KG)	4.3	0/0	0/0	0/45	0/0
4-Bromophenyl phenyl ether (MG/KG)	1.9	0/0	0/0	0/72	0/0
4-Chloro-3-methylphenol (MG/KG)	1.9	0/0	0/0	0/92	0/0
4-Chlorobenzenamine (MG/KG)	1.8	0/0	0/0	0/66	0/0
4-Chlorophenylphenyl ether (MG/KG)	1.9	0/0	0/0	0/72	0/0
4-Methylphenol (MG/KG)	1.9	0/0	0/0	0/91	0/0
4-Nitroaniline (MG/KG)	9.3	0/0	0/0	0/68	0/0
4-Nitrophenol (MG/KG)	9.3	0/0	0/0	0/90	0/0
Acenaphthene (MG/KG)	1.9	0/0	0/0	0/72	0/0
Acenaphthylene (MG/KG)	1.9	0/0	0/0	0/72	0/0
Anthracene (MG/KG)	1.9	0/0	0/0	0/72	0/0
Antimony (MG/KG)	0.63	0/41	0/126	0/0	0/0
Benzo(a)anthracene (MG/KG)	1.9	0/0	0/0	0/71	0/0
Benzo(a)pyrene (MG/KG)	1.9	0/0	0/0	0/62	0/0
Benzo(b)fluoranthene (MG/KG)	1.9	0/0	0/0	0/62	0/0
Benzo(ghi)perylene (MG/KG)	1.9	0/0	0/0	0/61	0/0
Benzo(k)fluoranthene (MG/KG)	1.9	0/0	0/0	0/62	0/0
Benzoic acid (MG/KG)	9.3	0/0	0/0	0/59	0/0
Benzyl alcohol (MG/KG)	1.9	0/0	0/0	0/63	0/0
Bis(2-chloroethoxy)methane (MG/KG)	1.9	0/0	0/0	0/72	0/0
Bis(2-chloroethyl) ether (MG/KG)	1.9	0/0	0/0	0/72	0/0
Butylbenzylphthalate (MG/KG)	1.9	0/0	0/0	0/71	0/0
Cadmium (MG/KG)	0.28	0/41	0/126	0/0	0/0
Carbazole (MG/KG)	0.033	0/0	0/0	0/10	0/0
Chlordene (MG/KG)	0.2	1/235	0/1	11/397	0/62
Chromium (MG/KG)	0.63	0/41	0/126	0/0	0/0
Chrysene (MG/KG)	1.9	0/0	0/0	0/71	0/0
Di-n-butylphthalate (MG/KG)	1.9	0/0	0/0	0/72	0/0

Table D2. (continued)

Analyte	Max Det Limit	Frequency of Detects			
		Large- mouth Bass	Blue- gill	Channel Catfish	Other Species
Dibenz(a,h)anthracene (MG/KG)	1.9	0/0	0/0	0/62	0/0
Dibenzofuran (MG/KG)	1.9	0/0	0/0	0/72	0/0
Diethylphthalate (MG/KG)	1.9	0/0	0/0	0/72	0/0
Dimethylphthalate (MG/KG)	1.9	0/0	0/0	0/72	
0/0Fluoranthene (MG/KG)	1.9	0/0	0/0	0/72	0/0
Fluorene (MG/KG)	1.9	0/0	0/0	0/72	0/0
Hexachlorobenzene (MG/KG)	1.9	0/0	0/0	0/72	0/0
Hexachlorobutadiene (MG/KG)	1.9	0/0	0/0	0/72	0/0
Hexachlorocyclopentadiene (MG/KG)	1.9	0/0	0/0	0/72	0/0
Hexachloroethane (MG/KG)	1.9	0/0	0/0	0/72	0/0
Indeno(1,2,3-cd)pyrene (MG/KG)	1.9	0/0	0/0	0/62	0/0
Isophorone (MG/KG)	1.9	0/0	0/0	0/72	0/0
Lead (MG/KG)	0.61	0/41	0/76	0/0	0/0
N-Nitroso-di-n-propylamine (MG/KG)	1.9	0/0	0/0	0/72	0/0
N-Nitrosodiphenylamine (MG/KG)	1.9	0/0	0/0	0/72	0/0
Nickel (MG/KG)	1.1	0/41	0/106	0/0	0/0
Nitrobenzene (MG/KG)	1.9	0/0	0/0	0/72	0/0
PCB-1016 (MG/KG)	0.1	0/235	0/8	1/277	0/62
PCB-1221 (MG/KG)	0.1	0/235	0/8	0/277	0/62
PCB-1232 (MG/KG)	0.1	0/235	0/8	0/277	0/62
PCB-1242 (MG/KG)	0.1	0/235	0/8	0/277	0/62
PCB-1248 (MG/KG)	0.1	0/235	0/8	0/277	0/62
Pentachlorophenol (MG/KG)	9.3	0/0	0/0	0/90	0/0
Phenanthrene (MG/KG)	1.9	0/0	0/0	0/72	0/0
Phenol (MG/KG)	1.9	0/0	0/0	0/90	0/0
Pyrene (MG/KG)	1.9	0/0	0/0	0/71	0/0
Silver (MG/KG)	0.25	0/41	0/126	0/0	0/0
Thallium (MG/KG)	0.02	0/41	0/117	0/0	0/0
alpha-Chlordene (MG/KG)	0.2	0/235	0/1	36/394	0/62
cis-Nonachlor (MG/KG)	0.01	155/235	0/1	218/277	46/62
gamma-Chlordene (MG/KG)	0.2	0/235	0/1	63/394	0/62

Table D3. Summary statistics for contaminant concentrations in bluegill filets

Analyte	Sub reach	Frequency of defects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2', 3,3', 4,4', 5,5'-Octachlorobiphenyl (MG/KG)	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
	13	0/0					
	03	0/0					
	04	1/1	1.0E-02	1.0E-02	1.0E-02		
	18	0/0					
	05	0/0					
	10	0/0					
2,2', 3,3', 4,5,5', 6'-Octachlorobiphenyl (MG/KG)	00	0/0					
	01	0/0					
	02	0/0					
	13	0/0					
	03	0/0					
	04	1/1	1.0E-02	1.0E-02	1.0E-02		
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
2,2', 3,4', 5', 6'-Hexachlorobiphenyl (MG/KG)	01	0/0					
	02	0/0					
	13	0/0					
	03	0/0					
	04	1/1	1.0E-02	1.0E-02	1.0E-02		
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
	01	0/0					
2,3', 4,4', 5'-Pentachlorobiphenyl (MG/KG)	02	0/0					
	13	0/0					
	03	0/0					
	04	1/1	1.0E-02	1.0E-02	1.0E-02		
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
	01	0/0					
	01	0/0					

Table D3. (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3',4,4',5'-Pentachlorobiphenyl (MG/KG)	02	0/0					
	13	0/0					
	03	0/0					
	04	1/1	1.0E-02	1.0E-02	1.0E-02		
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
2,3,4,2',4',5'-Hexachlorobiphenyl (MG/KG)	13	0/0					
	03	0/0					
	04	1/1	4.0E-02	4.0E-02	4.0E-02		
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
	13	0/0					
2,3,4,5,3',4',5'-Heptachlorobiphenyl (MG/KG)	03	0/0					
	04	1/1	1.0E-02	1.0E-02	1.0E-02		
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
	13	0/0					
	03	0/0					
Arsenic (MG/KG)	04	1/1	6.0E-03	1.8E-01	5.1E-02	6.9E-03	6.3E-02
	18	0/0					
	05	0/0					
	10	33/60	6.0E-03	1.8E-01	5.1E-02	6.9E-03	6.3E-02
	00	4/10	5.0E-02	8.0E-02	5.8E-02	4.6E-03	6.6E-02
	01	5/10	5.0E-02	9.0E-02	6.2E-02	5.4E-03	7.2E-02
	02	7/59	6.0E-03	1.3E-01	2.5E-02	3.2E-03	3.0E-02
	13	4/10	5.0E-02	8.0E-02	5.3E-02	3.3E-03	5.9E-02
	03	38/67	6.0E-03	2.3E-01	6.5E-02	5.7E-03	7.4E-02
	04	37/59	6.0E-03	1.4E-01	4.6E-02	5.4E-03	5.5E-02

Table D3. (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Arsenic (MG/KG)	18	4/20	1.4E-02	7.0E-02 *	2.1E-02	3.9E-03	2.7E-02
	05	23/40	2.6E-02	1.2E-01	6.9E-02	3.3E-03	7.4E-02
Beryllium (MG/KG)	10	15/60	8.0E-04	3.7E-02	3.5E-03	6.8E-04	4.6E-03
	00	2/10	3.0E-03	5.0E-03	4.1E-03	1.3E-04	4.3E-03
	01	1/10	3.0E-03	6.0E-03	6.0E-03		
	02	7/59	6.0E-04	4.0E-03	2.2E-03	8.5E-05	2.3E-03
	13	0/3	3.0E-03	3.0E-03 *			
	03	22/67	6.0E-04	1.6E-02	3.7E-03	4.0E-04	4.3E-03
	04	10/59	6.0E-04	6.0E-03	2.2E-03	9.7E-05	2.4E-03
	18	9/20	6.0E-04	4.0E-03	2.4E-03	1.9E-04	2.7E-03
	05	0/40	6.0E-04	3.0E-03 *			
Cesium-137 (PCI/G)	10	3/5	1.2E-02	1.3E-01 *	4.0E-02	1.8E-02	8.0E-02
	00	2/2	2.4E-02	4.8E-02	3.6E-02	1.2E-02	1.1E-01
	01	2/2	2.6E-02	2.6E-02	2.6E-02	2.5E-05	2.6E-02
	02	19/21	1.1E-01	8.2E+00	2.0E+00	5.3E-01	2.9E+00
	13	2/2	3.1E-02	5.6E-02	4.3E-02	1.3E-02	1.2E-01
	03	8/11	4.2E-03	1.1E-01 *	5.7E-02	1.1E-02	7.6E-02
	04	12/14	3.1E-02	9.2E-01 *	1.3E-01	1.8E-02	1.6E-01
	18	0/0					
Chlordane, total (MG/KG)	05	3/4	2.2E-02	1.0E-01 *	2.8E-02	4.4E-03	3.9E-02
	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
	13	0/0					
	03	0/0					
	04	1/1	5.7E-02	5.7E-02	5.7E-02		
	18	0/0					
	05	0/0					
Cobalt-60 (PCI/G)	10	0/5	4.5E-02	7.4E-02 *			
	00	1/2	4.5E-02	6.4E-02 *	4.5E-02		

Table D3. (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Cobalt-60 (PCI/G)	01	0/2	5.6E-02	6.5E-02 *			
	02	0/21	1.0E-01	7.8E-01 *			
	13	1/2	3.1E-02	7.2E-02 *	3.1E-02		
	03	0/11	2.8E-02	8.0E-02 *			
	04	0/13	5.3E-02	6.2E-01 *			
	18	0/0					
	05	0/4	4.7E-02	7.0E-02 *			
	10	1/22	1.2E-02	6.1E-01 *	2.9E-01		
	00	0/10	3.7E-01	5.5E-01 *			
	01	0/10	4.6E-01	5.8E-01 *			
Copper (MG/KG)	02	12/39	9.2E-02	5.5E+01	1.6E+00	1.4E+00	4.1E+00
	13	0/10	4.5E-01	5.9E-01 *			
	03	3/47	1.2E-02	1.4E+00	8.2E-01	1.8E-02	8.5E-01
	04	4/39	1.7E-01	2.8E+00	5.6E-01	6.7E-02	6.7E-01
	18	0/0					
	05	15/38	1.9E-01	1.7E+02	5.0E+00	4.6E+00	1.3E+01
	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
Lipids (PERCENT)	13	0/0					
	03	0/0					
	04	8/8	3.0E-01	6.9E+00	1.5E+00	8.4E-01	3.1E+00
	18	0/0					
	05	0/0					
	10	34/60	1.5E-02	2.1E-01	6.4E-02	6.5E-03	7.4E-02
	00	10/10	2.9E-02	1.2E-01	6.6E-02	9.3E-03	8.3E-02
	01	10/10	1.9E-02	5.6E-02	3.7E-02	4.1E-03	4.4E-02
	02	44/61	1.7E-02	2.4E-01	7.8E-02	6.9E-03	8.9E-02
	13	10/10	4.0E-02	6.2E-01	1.7E-01	6.9E-02	3.0E-01
Mercury (MG/KG)	03	64/67	7.2E-02	8.8E-01	4.0E-01	2.4E-02	4.4E-01

Table D3. (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Mercury (MG/KG)							
	04	40/59	3.0E-02	7.7E-01	1.5E-01	2.2E-02	1.9E-01
	18	4/20	4.0E-02	9.9E-02 *	4.5E-02	3.1E-03	5.0E-02
PCB-1254 (MG/KG)							
	05	24/40	3.2E-02	1.3E-01	5.6E-02	4.4E-03	6.3E-02
	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
	13	0/0					
	03	0/0					
PCB-1260 (MG/KG)							
	04	1/8	1.0E-01	2.0E-01	2.0E-01		
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
	13	0/0					
	03	0/0					
	04	2/8	8.0E-02	4.0E-01	1.2E-01	5.3E-02	2.2E-01
	18	0/0					
	05	0/0					
Selenium (MG/KG)							
	10	48/60	8.0E-03	8.0E-01	3.8E-01	2.3E-02	4.2E-01
	00	9/10	5.9E-01	1.0E+00	7.5E-01	4.1E-02	8.2E-01
	01	10/10	6.7E-01	1.0E+00	8.6E-01	3.6E-02	9.2E-01
	02	55/59	8.0E-03	1.1E+00	4.6E-01	3.3E-02	5.1E-01
	13	0/10	4.5E-01	5.9E-01 *			
	03	38/67	1.2E-01	1.1E+00 *	3.1E-01	2.0E-02	3.5E-01
	04	49/59	1.2E-02	9.7E-01	4.7E-01	2.5E-02	5.1E-01
	18	15/20	1.6E-01	4.0E-01	2.6E-01	1.9E-02	2.9E-01
	05	20/40	2.0E-01	6.3E-01 *	3.1E-01	1.8E-02	3.4E-01
Zinc (MG/KG)							
	10	10/10	4.6E+00	7.3E+00	5.6E+00	2.8E-01	6.1E+00

Table D3. (continued)

Analyte	Sub reach	Frequency of detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Zinc (MG/KG)	00	10/10	5.6E+00	1.1E+01	8.0E+00	5.7E-01	9.0E+00
	01	10/10	5.2E+00	1.1E+01	7.1E+00	5.2E-01	8.0E+00
	02	19/19	5.2E+00	1.2E+01	6.8E+00	3.7E-01	7.4E+00
	13	10/10	5.2E+00	7.6E+00	6.4E+00	2.6E-01	6.8E+00
	03	28/28	2.2E+00	8.6E+00	6.1E+00	2.7E-01	6.5E+00
	04	19/19	5.0E+00	9.5E+00	6.6E+00	2.6E-01	7.1E+00
	18	0/0					
	05	20/20	5.2E+00	7.1E+01	1.0E+01	3.2E+00	1.6E+01
	10	0/0					
	00	0/0					
gamma-Chlordane (MG/KG)	01	0/0					
	02	0/0					
	13	0/0					
	03	0/0					
	04	1/1	9.0E-03	9.0E-03	9.0E-03		
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
	01	0/0					
trans-Nonachlor (MG/KG)	02	0/0					
	13	0/0					
	03	0/0					
	04	1/1	8.0E-03	8.0E-03	8.0E-03		
	18	0/0					
	05	0/0					

* Maximum value is a non-detect

Table D4. Summary statistics for contaminant concentrations in largemouth bass filets

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,4',5 Heptachlorobiphenyl (MG/KG)	10	8/50	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	00	0/0					
	01	0/0					
	02	3/26	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	6/29	1.0E-02	5.0E-02	1.2E-02	1.5E-03	1.4E-02
	04	3/40	1.0E-02	3.0E-02	1.1E-02	6.0E-04	1.2E-02
	18	3/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	4/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (MG/KG)	01	0/0					
	02	2/26	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	3/29	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	1/40	1.0E-02	1.0E-02	1.0E-02		
	18	1/20	1.0E-02	1.0E-02	1.0E-02		
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	2/26	1.0E-02	2.0E-02	1.0E-02	5.3E-04	1.1E-02
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (MG/KG)	03	11/29	1.0E-02	3.0E-02	1.1E-02	8.4E-04	1.3E-02
	04	5/40	1.0E-02	2.0E-02	1.0E-02	2.8E-04	1.1E-02
	18	9/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	7/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	2/26	1.0E-02	2.0E-02	1.0E-02	5.3E-04	1.1E-02
	03	11/29	1.0E-02	3.0E-02	1.1E-02	8.4E-04	1.3E-02
	04	5/40	1.0E-02	2.0E-02	1.0E-02	2.8E-04	1.1E-02
2,2',3,3',4,4',6-Heptachlorobiphenyl (MG/KG)	18	9/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	7/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	2/26	1.0E-02	2.0E-02	1.0E-02	5.3E-04	1.1E-02
2,2',3,3',4,4',6-Heptachlorobiphenyl (MG/KG)	03	11/29	1.0E-02	3.0E-02	1.1E-02	8.4E-04	1.3E-02
	04	5/40	1.0E-02	2.0E-02	1.0E-02	2.8E-04	1.1E-02
	18	9/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	7/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,4',6-Heptachlorobiphenyl (MG/KG)	18	1/20	1.0E-02	1.0E-02	1.0E-02		
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
2,2',3,3',4,4',6-Hexachlorobiphenyl (MG/KG)	02	1/26	1.0E-02	1.0E-02	1.0E-02		
	03	6/29	1.0E-02	2.0E-02	1.1E-02	5.2E-04	1.2E-02
	04	0/40	1.0E-02	1.0E-02 *			
	18	0/20	1.0E-02	1.0E-02 *			
	05	1/20	1.0E-02	1.0E-02	1.0E-02		
2,2',3,3',4,5,5',6'-Octachlorobiphenyl (MG/KG)	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			
	03	4/29	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
2,2',3,3',4,6'-Hexachlorobiphenyl (MG/KG)	04	3/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	1/20	1.0E-02	1.0E-02	1.0E-02		
	05	1/20	1.0E-02	1.0E-02	1.0E-02		
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
2,2',3,4',5',6-Hexachlorobiphenyl (MG/KG)	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			
	03	1/29	1.0E-02	1.0E-02	1.0E-02		
	04	0/40	1.0E-02	1.0E-02 *			
	18	0/20	1.0E-02	1.0E-02 *			
2,2',3,4',5',6-Hexachlorobiphenyl (MG/KG)	05	1/20	1.0E-02	1.0E-02	1.0E-02		
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	3/26	1.0E-02	3.0E-02	1.1E-02	9.2E-04	1.2E-02
03	9/29	1.0E-02	4.0E-02	1.4E-02	1.7E-03		1.7E-02

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,4',5',6-Hexachlorobiphenyl (MG/KG)	04	9/40	1.0E-02	3.0E-02	1.1E-02	5.8E-04	1.2E-02
	18	6/20	1.0E-02	2.0E-02	1.1E-02	7.3E-04	1.2E-02
	05	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
2,2',3,4',5,5'-Hexachlorobiphenyl (MG/KG)	01	0/0					
	02	4/26	1.0E-02	3.0E-02	1.1E-02	9.6E-04	1.3E-02
	03	9/29	1.0E-02	3.0E-02	1.3E-02	1.4E-03	1.6E-02
	04	5/40	1.0E-02	3.0E-02	1.1E-02	5.5E-04	1.1E-02
	18	6/20	1.0E-02	2.0E-02	1.1E-02	5.3E-04	1.1E-02
2,2',3,4,4',5',6-HeptaChlorobiphenyl (MG/KG)	05	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	1/26	1.0E-02	2.0E-02	2.0E-02		
2,2',3,4,4',5,5'-Heptachlorobiphenyl (MG/KG)	03	3/29	1.0E-02	2.0E-02	1.0E-02	4.1E-04	1.1E-02
	04	3/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	4/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	1/50	1.0E-02	1.0E-02	1.0E-02		
2,2',3,4,4',5,5'-Heptachlorobiphenyl (MG/KG)	00	0/0					
	01	0/0					
	02	12/26	1.0E-02	7.0E-02	2.0E-02	3.0E-03	2.5E-02
	03	12/29	1.0E-02	2.2E-01	2.5E-02	7.6E-03	3.8E-02
	04	21/40	1.0E-02	4.0E-01	3.1E-02	9.9E-03	4.7E-02
2,2',3,4,5'-Pentachlorobiphenyl (MG/KG)	18	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	1/20	1.0E-02	1.0E-02	1.0E-02		
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,4,5'-Pentachlorobiphenyl (MG/KG)	03	1/29	1.0E-02	1.0E-02	1.0E-02		
	04	5/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
2,2',3,5',6-Pentachlorobiphenyl (MG/KG)	02	1/26	1.0E-02	2.0E-02	2.0E-02		
	03	4/29	1.0E-02	2.0E-02	1.1E-02	5.4E-04	1.2E-02
	04	2/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
2,2',3,5'-Tetrachlorobiphenyl (MG/KG)	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			
	03	2/29	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	0/40	1.0E-02	1.0E-02 *			
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
2,2',3,5,5',6-Hexachlorobiphenyl (MG/KG)	00	0/0					
	01	0/0					
	02	3/26	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	5/29	1.0E-02	2.0E-02	1.1E-02	7.2E-04	1.3E-02
	04	2/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	1/20	1.0E-02	1.0E-02	1.0E-02		
	05	1/20	1.0E-02	1.0E-02	1.0E-02		
2,2',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	3/26	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	5/29	1.0E-02	2.0E-02	1.1E-02	7.2E-04	1.3E-02

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	02	16/26	1.0E-02	2.2E-01	3.2E-02	8.6E-03	4.7E-02
	03	21/29	1.0E-02	7.0E-02	2.9E-02	4.2E-03	3.6E-02
	04	19/40	1.0E-02	1.2E-01	2.9E-02	4.6E-03	3.7E-02
	18	12/20	1.0E-02	6.0E-02	2.0E-02	3.5E-03	2.6E-02
	05	7/20	1.0E-02	4.0E-02	2.2E-02	1.2E-03	2.4E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
2,2',4,4',5-Pentachlorobiphenyl (MG/KG)	02	7/26	1.0E-02	4.0E-02	1.3E-02	1.5E-03	1.5E-02
	03	6/29	1.0E-02	2.0E-02	1.1E-02	5.2E-04	1.2E-02
	04	14/40	1.0E-02	4.0E-02	1.2E-02	9.4E-04	1.3E-02
	18	10/20	1.0E-02	2.0E-02	1.2E-02	9.4E-04	1.4E-02
	05	6/20	1.0E-02	2.0E-02	1.1E-02	5.3E-04	1.1E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
2,2',4,5'-Tetrachlorobiphenyl (MG/KG)	02	0/26	1.0E-02	1.0E-02 *			
	03	3/29	1.0E-02	2.0E-02	1.1E-02	5.8E-04	1.2E-02
	04	1/40	1.0E-02	1.0E-02	1.0E-02		
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
2,2',5,5'-Tetrachlorobiphenyl (MG/KG)	02	1/26	1.0E-02	2.0E-02	2.0E-02		
	03	10/29	1.0E-02	3.0E-02	1.2E-02	9.8E-04	1.4E-02
	04	4/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	1/20	1.0E-02	1.0E-02	1.0E-02		
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
2,3',4',5-Tetrachlorobiphenyl (MG/KG)	02	1/26	1.0E-02	2.0E-02	2.0E-02		
	03	10/29	1.0E-02	3.0E-02	1.2E-02	9.8E-04	1.4E-02
	04	4/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	1/20	1.0E-02	1.0E-02	1.0E-02		
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3',4',5-Tetrachlorobiphenyl (MG/KG)	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			
	03	2/29	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	0/40	1.0E-02	1.0E-02 *			
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	3/26	1.0E-02	2.0E-02	1.0E-02	4.6E-04	1.1E-02
2,3',4,4',5'-Pentachlorobiphenyl (MG/KG)	03	8/29	1.0E-02	3.0E-02	1.2E-02	1.1E-03	1.4E-02
	04	8/40	1.0E-02	2.0E-02	1.0E-02	2.6E-04	1.1E-02
	18	5/20	1.0E-02	2.0E-02	1.1E-02	7.5E-04	1.2E-02
	05	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	8/26	1.0E-02	4.0E-02	2.1E-02	8.1E-04	2.2E-02
	03	15/29	1.0E-02	5.0E-02	1.6E-02	1.9E-03	1.9E-02
	04	17/40	1.0E-02	3.0E-02	1.3E-02	8.3E-04	1.4E-02
2,3',4,4',5-Tetrachlorobiphenyl (MG/KG)	18	7/20	1.0E-02	2.0E-02	1.1E-02	7.2E-04	1.2E-02
	05	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			
	03	2/29	1.0E-02	2.0E-02	1.0E-02	4.8E-04	1.1E-02
	04	1/40	1.0E-02	1.0E-02	1.0E-02		
	18	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	0/20	1.0E-02	1.0E-02 *			
2,3,3',4',6-Pentachlorobiphenyl (MG/KG)	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			
	03	2/29	1.0E-02	2.0E-02	1.0E-02	4.8E-04	1.1E-02
	04	1/40	1.0E-02	1.0E-02	1.0E-02		
	18	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
2,3,3',4',6-Pentachlorobiphenyl (MG/KG)	00	0/0					
	01	0/0					
	02	7/26	1.0E-02	3.0E-02	1.1E-02	9.0E-04	1.3E-02
	03	13/29	1.0E-02	4.0E-02	1.5E-02	1.7E-03	1.8E-02
	04	10/40	1.0E-02	2.0E-02	1.1E-02	4.4E-04	1.1E-02
	18	7/20	1.0E-02	2.0E-02	1.1E-02	7.2E-04	1.2E-02
	05	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
2,3,3',4,4',5-Hexachlorobiphenyl (MG/KG)	02	0/26	1.0E-02	1.0E-02 *			
	03	2/29	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	1/40	1.0E-02	1.0E-02	1.0E-02		
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			
	03	3/29	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
2,3,3',4,4',6-Hexachlorobiphenyl (MG/KG)	04	1/40	1.0E-02	1.0E-02	1.0E-02		
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			
	03	3/29	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	1/40	1.0E-02	1.0E-02	1.0E-02		
	18	0/20	1.0E-02	1.0E-02 *			
2,3,3',4,4',6-Hexachlorobiphenyl (MG/KG)	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	0/26	1.0E-02	1.0E-02 *			
	03	1/29	1.0E-02	1.0E-02	1.0E-02		
	04	0/40	1.0E-02	1.0E-02 *			
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/20	1.0E-02	1.0E-02 *			

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3,4,2',4',5'-Hexachlorobiphenyl (MG/KG)	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	8/26	1.0E-02	2.0E-02	1.1E-02	5.6E-04	1.2E-02
	03	5/29	1.0E-02	2.0E-02	1.1E-02	5.3E-04	1.2E-02
	04	3/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	0/20	1.0E-02	1.0E-02 *			
	05	3/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
2,3,4,4',5-Pentachlorobiphenyl (MG/KG)	01	0/0					
	02	6/26	1.0E-02	2.0E-02	1.0E-02	4.1E-04	1.1E-02
	03	4/29	1.0E-02	3.0E-02	1.1E-02	7.8E-04	1.2E-02
	04	17/40	1.0E-02	2.0E-02	1.0E-02	2.5E-04	1.1E-02
	18	9/20	1.0E-02	2.0E-02	1.2E-02	8.5E-04	1.3E-02
	05	5/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	3/26	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
2,3,4,5,3',4',5'-Heptachlorobiphenyl (MG/KG)	03	5/29	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	3/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	3/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	1/20	1.0E-02	1.0E-02	1.0E-02		
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
	02	13/26	1.0E-02	5.0E-02	1.6E-02	1.8E-03	1.9E-02
	03	20/29	1.0E-02	7.0E-02	2.3E-02	3.6E-03	3.0E-02
	04	17/40	1.0E-02	5.0E-02	1.4E-02	1.4E-03	1.6E-02
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)	18	9/20	1.0E-02	3.0E-02	1.5E-02	1.8E-03	1.8E-02

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)	05	8/20	1.0E-02	3.0E-02	1.4E-02	1.4E-03	1.6E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0		.			
	01	0/0		.			
	02	0/26	1.0E-02	1.0E-02 *			
	03	0/29	1.0E-02	1.0E-02 *			
	04	1/40	1.0E-02	1.0E-02	1.0E-02		
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
3,3',4,4'-Tetrachlorobiphenyl (MG/KG)	00	0/0		.			
	01	0/0		.			
	02	6/26	1.0E-02	2.0E-02	1.0E-02	4.1E-04	1.1E-02
	03	10/29	1.0E-02	4.0E-02	1.2E-02	1.2E-03	1.4E-02
	04	7/40	1.0E-02	2.0E-02	1.0E-02	2.7E-04	1.1E-02
	18	5/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0		.			
	01	0/0		.			
3,4,4',5'-Tetrachlorobiphenyl (MG/KG)	02	0/26	1.0E-02	1.0E-02 *			
	03	1/29	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	5/40	1.0E-02	1.0E-02	1.0E-02		
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0		.			
	01	0/0		.			
	02	0/26	1.0E-02	1.0E-02 *			
	03	1/29	1.0E-02	1.0E-02	1.0E-02		
3,4,4'-Trichlorobiphenyl (MG/KG)	04	5/40	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0		.			
	01	0/0		.			
	02	0/26	1.0E-02	1.0E-02 *			
	03	1/29	1.0E-02	1.0E-02	1.0E-02		
	04	0/40	1.0E-02	1.0E-02 *			
	05	0/40	1.0E-02	1.0E-02 *			

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
3,4,4'-Trichlorobiphenyl (MG/KG)							
	18	0/20	1.0E-02	1.0E-02 *			
Arsenic (MG/KG)	05	0/20	1.0E-02	1.0E-02 *			
	10	55/55	1.2E-02	5.1E-01	2.3E-01	1.6E-02	2.5E-01
	00	5/5	1.2E-01	1.7E-01	1.4E-01	9.2E-03	1.6E-01
	01	3/3	8.0E-02	1.8E-01	1.2E-01	3.1E-02	2.1E-01
	02	33/34	5.0E-02	4.5E-01	2.6E-01	1.6E-02	2.9E-01
	03	33/36	5.0E-02	4.2E-01	1.7E-01	1.6E-02	2.0E-01
	04	48/48	8.0E-03	5.1E-01	2.2E-01	1.4E-02	2.4E-01
	18	19/20	1.0E-02	3.8E-01	2.4E-01	1.3E-02	2.6E-01
	05	24/25	1.0E-02	3.5E-01	1.6E-01	1.3E-02	1.9E-01
	10	18/50	6.0E-04	6.0E-03	2.3E-03	1.3E-04	2.5E-03
Beryllium (MG/KG)							
	00	1/5	3.0E-03	4.0E-03	4.0E-03		
	01	0/0					
	02	6/28	8.0E-04	4.0E-03	2.1E-03	7.7E-05	2.2E-03
	03	13/36	6.0E-04	9.0E-03	3.0E-03	3.3E-04	3.6E-03
	04	0/48	8.0E-04	6.0E-03 *			
Cesium-137 (PCI/G)	18	20/20	2.0E-03	6.0E-03	3.6E-03	2.3E-04	4.0E-03
	05	12/25	8.0E-04	2.7E-02	4.2E-03	1.1E-03	6.2E-03
	10	3/4	1.7E-02	3.5E-02 *	1.8E-02	9.6E-04	2.0E-02
	00	5/5	9.2E-03	4.6E-02	2.5E-02	6.1E-03	3.8E-02
	01	3/3	7.6E-03	1.5E-02	1.1E-02	2.2E-03	1.8E-02
	02	8/8	2.5E-01	1.6E+01	5.0E+00	1.7E+00	8.2E+00
	03	7/7	1.5E-02	1.5E-01	6.7E-02	1.9E-02	1.0E-01
	04	7/8	8.3E-02	1.4E-01	1.0E-01	6.5E-03	1.2E-01
	18	0/0					
	05	5/5	1.3E-02	2.2E-02	1.8E-02	1.6E-03	2.2E-02
Chlordane, total (MG/KG)							
	10	46/60	4.7E-02	8.0E-02 *	6.7E-02	1.6E-03	7.0E-02
	00	0/0					
	01	0/0					
	02	21/26	5.4E-02	9.0E-02	6.8E-02	2.2E-03	7.2E-02
	03	27/29	5.5E-02	1.5E-01	7.2E-02	3.7E-03	7.9E-02

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Chlordane, total (MG/KG)	04	49/50	5.2E-02	1.4E-01	7.0E-02	2.2E-03	7.3E-02
	18	29/30	5.2E-02	1.0E-01	7.0E-02	2.2E-03	7.3E-02
	05	35/40	6.0E-02	9.0E-02	6.9E-02	1.3E-03	7.2E-02
	10	0/60	1.0E-02	1.0E-02 *			
Chlordene (MG/KG)	00	0/0		.			
	01	0/0		.			
	02	0/26	1.0E-02	1.0E-02 *			
	03	1/29	1.0E-02	1.0E-02	1.0E-02		
Cobalt-60 (PCI/G)	04	0/50	1.0E-02	1.0E-02 *			
	18	0/30	1.0E-02	1.0E-02 *			
	05	0/40	1.0E-02	1.0E-02 *			
	10	1/4	1.0E-02	2.2E-02 *	1.0E-02		
	00	0/5	1.6E-02	2.4E-02 *			
	01	0/3	1.5E-02	1.8E-02 *			
	02	0/8	2.1E-02	9.0E-02 *			
	03	0/7	1.6E-02	7.6E-02 *			
	04	0/8	3.2E-03	8.1E-02 *			
	18	0/0		.			
Copper (MG/KG)	05	0/5	1.5E-02	2.2E-02 *			
	10	0/15	2.3E-01	4.4E-01 *			
	00	0/5	2.9E-01	3.9E-01 *			
	01	0/3	2.8E-01	3.8E-01 *			
	02	2/21	1.6E-01	1.0E+00	8.3E-01	1.2E-02	8.5E-01
	03	0/16	1.8E-01	5.1E-01 *			
	04	11/28	1.9E-01	1.0E+01	1.1E+00	4.7E-01	1.9E+00
	18	0/0		.			
Lipids (PERCENT)	05	3/25	2.5E-01	8.0E-01	5.2E-01	1.5E-02	5.4E-01
	10	59/60	1.0E-01	4.2E+00	1.4E+00	1.2E-01	1.6E+00
	00	0/0		.			
	01	0/0		.			
	02	26/26	5.0E-01	3.9E+00	1.7E+00	2.0E-01	2.0E+00

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Lipids (PERCENT)	03	28/29	1.0E-01	2.4E+00	1.1E+00	1.0E-01	1.3E+00
	04	50/50	2.0E-01	9.0E+00	1.9E+00	1.8E-01	2.2E+00
	18	30/30	3.0E-01	9.1E+00	2.5E+00	4.0E-01	3.1E+00
	05	40/40	1.0E-01	4.0E+00	1.5E+00	1.5E-01	1.7E+00
	10	54/55	5.0E-02	8.5E-01	3.2E-01	2.0E-02	3.5E-01
Mercury (MG/KG)	00	5/5	5.5E-02	2.0E-01	1.2E-01	2.6E-02	1.8E-01
	01	3/3	3.1E-02	7.4E-02	5.3E-02	1.2E-02	9.0E-02
	02	26/34	1.5E-02	6.6E-01	2.4E-01	2.7E-02	2.9E-01
	03	36/36	8.6E-02	1.9E+00	6.2E-01	7.0E-02	7.3E-01
	04	40/48	6.8E-02	7.7E-01	2.9E-01	2.4E-02	3.3E-01
Oxychlordane (MG/KG)	18	20/20	1.5E-01	4.4E-01	2.7E-01	1.9E-02	3.0E-01
	05	24/25	1.2E-01	5.0E-01	2.4E-01	1.7E-02	2.7E-01
	10	0/46	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/0					
PCB-1254 (MG/KG)	02	1/11	6.0E-03	1.0E-02 *	6.0E-03		
	03	1/10	5.0E-03	1.0E-02 *	5.0E-03		
	04	0/11	1.0E-02	1.0E-02 *			
	18	0/7	1.0E-02	1.0E-02 *			
	05	0/20	1.0E-02	1.0E-02 *			
PCB-1260 (MG/KG)	10	9/60	5.0E-02	1.0E-01 *	5.0E-02	3.5E-04	5.1E-02
	00	0/0					
	01	0/0					
	02	16/26	1.0E-02	6.0E-01	1.4E-01	2.7E-02	1.8E-01
	03	27/29	5.0E-02	7.0E-01	3.1E-01	3.4E-02	3.7E-01
	04	49/50	5.0E-02	5.0E-01	2.0E-01	1.4E-02	2.2E-01
	18	30/30	4.0E-02	4.0E-01	1.9E-01	1.8E-02	2.2E-01
	05	39/40	3.0E-02	4.0E-01	1.6E-01	1.4E-02	1.8E-01
	10	22/60	2.0E-02	1.0E-01	4.2E-02	3.5E-03	4.8E-02
	00	0/0					
	01	0/0					

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
PCB-1260 (MG/KG)	02	16/26	1.0E-02	6.0E-01	1.4E-01	2.8E-02	1.9E-01
	03	27/29	1.0E-02	9.0E-01	2.9E-01	4.8E-02	3.8E-01
	04	48/50	6.0E-02	9.0E-01	2.1E-01	2.1E-02	2.4E-01
	18	29/30	1.0E-02	5.0E-01	2.0E-01	2.6E-02	2.5E-01
	05	38/40	2.0E-02	5.0E-01	1.4E-01	1.8E-02	1.8E-01
	10	48/55	1.8E-01	7.2E-01	4.5E-01	1.7E-02	4.8E-01
	00	5/5	5.0E-01	6.4E-01	5.6E-01	2.5E-02	6.1E-01
	01	2/3	8.3E-01	1.1E+00	9.6E-01	8.1E-02	1.2E+00
	02	31/34	2.0E-01	8.5E-01	4.0E-01	2.2E-02	4.3E-01
	03	22/36	1.0E-01	6.1E-01	2.7E-01	1.8E-02	3.0E-01
Selenium (MG/KG)	04	39/48	2.4E-02	9.1E-01	3.8E-01	2.4E-02	4.2E-01
	18	16/20	1.2E-02	3.0E-01	2.2E-01	1.0E-02	2.4E-01
	05	20/25	1.7E-01	5.1E-01 *	2.7E-01	1.5E-02	3.0E-01
	10	5/5	3.5E+00	6.6E+00	4.8E+00	5.7E-01	6.0E+00
	00	5/5	4.5E+00	5.2E+00	4.8E+00	1.2E-01	5.1E+00
	01	3/3	4.9E+00	6.1E+00	5.4E+00	3.7E-01	6.5E+00
	02	8/8	3.9E+00	8.9E+00	5.5E+00	5.4E-01	6.6E+00
	03	7/7	4.1E+00	7.6E+00	5.4E+00	4.7E-01	6.3E+00
	04	8/8	4.0E+00	5.2E+00	4.3E+00	1.4E-01	4.5E+00
	18	0/0					
alpha-Chlordane (MG/KG)	05	4/4	3.1E+00	4.2E+00	3.8E+00	2.4E-01	4.3E+00
	10	1/46	5.0E-03	1.0E-02 *	5.0E-03		
	00	0/0					
	01	0/0					
	02	0/11	1.0E-02	1.0E-02 *			
	03	0/10	1.0E-02	1.0E-02 *			
	04	1/6	1.0E-02	2.0E-02	2.0E-02		
	18	0/4	1.0E-02	1.0E-02 *			
	05	0/15	1.0E-02	1.0E-02 *			
	10	39/60	6.0E-03	1.0E-02 *	7.4E-03	1.4E-04	7.6E-03
cis-Nonachlor (MG/KG)	00	0/0					

Table D4. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
cis-Nonachlor (MG/KG)	01	0/0					
	02	13/26	7.0E-03	2.0E-02	9.3E-03	7.0E-04	1.0E-02
	03	23/29	6.0E-03	2.0E-02	1.0E-02	7.8E-04	1.2E-02
	04	41/50	5.0E-03	2.0E-02	9.6E-03	5.6E-04	1.0E-02
	18	20/30	7.0E-03	1.0E-02	8.8E-03	2.9E-04	9.3E-03
	05	19/40	5.0E-03	1.0E-02	6.8E-03	4.0E-04	7.5E-03
	10	24/60	5.0E-03	1.0E-02	5.6E-03	1.4E-04	5.8E-03
	00	0/0					
	01	0/0					
	02	12/26	5.0E-03	1.0E-02	7.0E-03	4.6E-04	7.7E-03
gamma-Chlordane (MG/KG)	03	26/29	5.0E-03	2.0E-02	8.7E-03	6.6E-04	9.8E-03
	04	31/50	5.0E-03	2.0E-02	9.2E-03	4.6E-04	1.0E-02
	18	26/30	6.0E-03	2.0E-02	1.0E-02	7.5E-04	1.2E-02
	05	29/40	6.0E-03	2.0E-02	9.3E-03	4.6E-04	1.0E-02
	10	41/60	4.0E-03	1.0E-02	7.1E-03	2.6E-04	7.5E-03
	00	0/0					
	01	0/0					
	02	17/26	5.0E-03	3.0E-02	1.1E-02	1.4E-03	1.4E-02
	03	25/29	6.0E-03	6.0E-02	1.7E-02	2.6E-03	2.1E-02
	04	48/50	5.0E-03	6.0E-02	1.6E-02	1.5E-03	1.9E-02
trans-Nonachlor (MG/KG)	18	27/30	3.0E-03	4.0E-02	1.6E-02	1.7E-03	1.9E-02
	05	25/40	5.0E-03	3.0E-02	1.1E-02	1.1E-03	1.3E-02

* Maximum value is a non-detect

Table D5. Summary statistics for contaminant concentrations in catfish filets

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,4',5 Heptachlorobiphenyl (MG/KG)	10	6/50	1.0E-02	6.0E-02	1.2E-02	1.4E-03	1.5E-02
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	14/20	1.0E-02	9.0E-02	3.0E-02	5.8E-03	3.9E-02
	22	0/4	1.0E-02	1.0E-02 *			
	13	0/0					
	03	9/33	1.0E-02	1.0E-01	3.1E-02	4.2E-03	3.8E-02
	04	13/64	1.0E-02	2.0E-01	1.9E-02	3.7E-03	2.6E-02
	06	0/3	1.0E-02	1.0E-02 *			
	18	4/20	1.0E-02	7.0E-02	1.5E-02	3.5E-03	2.1E-02
	05	4/30	1.0E-02	8.0E-02	2.3E-02	2.4E-03	2.7E-02
	10	2/50	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	00	0/0					
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (MG/KG)	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	9/20	9.0E-03	4.0E-02	1.3E-02	2.0E-03	1.7E-02
	22	4/4	2.0E-02	9.0E-02	5.5E-02	1.4E-02	8.9E-02
	13	0/0					
	03	11/33	7.0E-03	2.0E-02	9.2E-03	6.2E-04	1.0E-02
	04	14/64	1.0E-02	5.0E-02	1.3E-02	9.5E-04	1.4E-02
	06	2/3	1.0E-02	4.0E-02	3.3E-02	3.8E-03	4.5E-02
	18	0/20	1.0E-02	1.0E-02 *			
	05	10/30	1.0E-02	3.0E-02	1.5E-02	1.6E-03	1.7E-02
	10	8/50	1.0E-02	3.0E-02	1.1E-02	6.2E-04	1.2E-02
	00	0/0					
	01	2/3	1.0E-02	2.0E-02	1.3E-02	3.8E-03	2.5E-02
	02	13/20	1.0E-02	9.0E-02	2.9E-02	5.6E-03	3.9E-02
	22	4/4	3.0E-02	1.6E-01	8.3E-02	2.8E-02	1.5E-01
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (MG/KG)	13	0/0					
	03	20/33	8.0E-03	1.0E-01	2.3E-02	4.3E-03	3.0E-02
	04	29/64	1.0E-02	7.0E-02	1.8E-02	1.9E-03	2.1E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,4'-Hexachlorobiphenyl (MG/KG)	03	16/33	1.0E-02	6.0E-02	1.7E-02	2.1E-03	2.0E-02
	04	32/64	1.0E-02	8.0E-02	1.8E-02	2.0E-03	2.2E-02
	06	3/3	1.0E-02	3.0E-02	2.0E-02	5.8E-03	3.7E-02
	18	5/20	1.0E-02	2.0E-02	1.2E-02	8.9E-04	1.3E-02
	05	20/30	9.0E-03	4.0E-02	1.5E-02	1.7E-03	1.8E-02
	10	8/50	1.0E-02	4.0E-02	1.1E-02	7.2E-04	1.2E-02
	00	0/0					
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	14/20	1.0E-02	5.0E-02	2.1E-02	3.0E-03	2.6E-02
	22	4/4	2.0E-02	1.2E-01	6.3E-02	2.1E-02	1.1E-01
2,2',3,3',4,5,5',6'-Octachlorobiphenyl (MG/KG)	13	0/0					
	03	23/33	8.0E-03	7.0E-02	2.0E-02	3.4E-03	2.6E-02
	04	25/64	1.0E-02	1.0E-01	1.7E-02	1.9E-03	2.0E-02
	06	3/3	2.0E-02	4.0E-02	3.0E-02	5.8E-03	4.7E-02
	18	6/20	1.0E-02	6.0E-02	1.6E-02	3.2E-03	2.2E-02
	05	19/30	1.0E-02	6.0E-02	1.7E-02	2.3E-03	2.1E-02
	10	1/50	1.0E-02	1.0E-02	1.0E-02		
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	1/20	1.0E-02	1.0E-02	1.0E-02		
2,2',3,3',4,6'-Hexachlorobiphenyl (MG/KG)	22	1/4	1.0E-02	1.3E-01	1.3E-01		
	13	0/0					
	03	2/33	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	5/64	1.0E-02	2.0E-02	1.0E-02	1.7E-04	1.0E-02
	06	2/3	6.0E-03	1.0E-02	7.3E-03	1.5E-03	1.2E-02
	18	0/20	1.0E-02	1.0E-02 *			
	05	3/30	7.0E-03	1.0E-02	7.2E-03	1.7E-04	7.5E-03
	10	3/50	1.0E-02	2.0E-02	1.0E-02	2.4E-04	1.1E-02
	00	0/0					
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
2,2',3,4',5',6-Hexachlorobiphenyl (MG/KG)	02	19/20	1.0E-02	1.0E-01	4.1E-02	5.2E-03	4.9E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,4',5',6-Hexachlorobiphenyl (MG/KG)	22	1/4	1.0E-02	3.0E-02	3.0E-02		
	13	0/0					
	03	12/33	7.0E-03	1.2E-01	1.7E-02	4.2E-03	2.4E-02
	04	16/64	1.0E-02	1.1E-01	1.6E-02	2.2E-03	1.9E-02
	06	2/3	1.0E-02	4.0E-02	4.0E-02	0.0E+00	4.0E-02
	18	7/20	1.0E-02	6.0E-02	1.6E-02	3.0E-03	2.1E-02
	05	13/30	1.0E-02	7.0E-02	1.6E-02	2.4E-03	2.0E-02
	10	1/50	1.0E-02	1.0E-02	1.0E-02		
	00	0/0					
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
2,2',3,4',5,5'-Hexachlorobiphenyl (MG/KG)	02	13/20	1.0E-02	5.0E-02	2.3E-02	3.2E-03	2.9E-02
	22	4/4	7.0E-02	1.5E-01	1.2E-01	1.7E-02	1.6E-01
	13	0/0					
	03	24/33	6.0E-03	1.0E-01	2.3E-02	3.6E-03	2.9E-02
	04	30/64	1.0E-02	1.1E-01	2.1E-02	2.5E-03	2.6E-02
	06	2/3	1.0E-02	7.0E-02	5.0E-02	1.2E-02	8.4E-02
	18	7/20	1.0E-02	6.0E-02	1.6E-02	3.0E-03	2.1E-02
	05	20/30	1.0E-02	7.0E-02	2.7E-02	3.4E-03	3.3E-02
	10	5/50	1.0E-02	5.0E-02	1.1E-02	8.9E-04	1.2E-02
	00	0/0					
2,2',3,4,4',5',6-HeptaChlorobiphenyl (MG/KG)	01	3/3	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	02	0/20	1.0E-02	1.0E-02 *			
	22	4/4	5.0E-02	1.8E-01	1.1E-01	2.7E-02	1.7E-01
	13	0/0					
	03	24/33	9.0E-03	1.0E-01	2.5E-02	3.9E-03	3.2E-02
	04	33/64	1.0E-02	8.0E-02	2.1E-02	2.4E-03	2.5E-02
	06	3/3	7.0E-03	4.0E-02	2.2E-02	9.6E-03	5.0E-02
	18	9/20	1.0E-02	7.0E-02	2.7E-02	3.1E-03	3.2E-02
	05	21/30	1.0E-02	7.0E-02	2.9E-02	2.5E-03	3.4E-02
	10	11/50	1.0E-02	1.4E-01	1.5E-02	2.9E-03	2.0E-02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (MG/KG)	00	0/0					

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,4,4',5,5'-Heptachlorobiphenyl (MG/KG)	01	3/3	3.0E-02	5.0E-02	4.0E-02	5.8E-03	5.7E-02
	02	17/20	1.0E-02	1.2E-01	4.3E-02	7.4E-03	5.6E-02
	22	4/4	1.6E-01	6.2E-01	3.6E-01	9.6E-02	5.8E-01
	13	0/0					
	03	27/33	1.0E-02	2.9E-01	8.1E-02	1.2E-02	1.0E-01
	04	43/64	1.0E-02	2.2E-01	5.8E-02	7.5E-03	7.1E-02
	06	3/3	1.5E-01	2.5E-01	2.1E-01	3.2E-02	3.1E-01
	18	4/20	1.0E-02	9.0E-02	2.6E-02	4.3E-03	3.3E-02
	05	21/30	1.0E-02	1.9E-01	7.5E-02	1.0E-02	9.3E-02
	10	1/50	1.0E-02	1.0E-02	1.0E-02		
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	7/20	1.0E-02	8.0E-02	1.7E-02	3.8E-03	2.4E-02
2,2',3,4,5'-Pentachlorobiphenyl (MG/KG)	22	4/4	3.0E-02	2.2E-01	9.5E-02	4.3E-02	2.0E-01
	13	0/0					
	03	12/33	5.0E-03	8.0E-02	1.1E-02	2.5E-03	1.5E-02
	04	13/64	1.0E-02	2.1E-01	1.6E-02	3.5E-03	2.2E-02
	06	2/3	9.0E-03	1.0E-02	9.3E-03	3.8E-04	1.0E-02
	18	2/20	1.0E-02	3.0E-02	1.1E-02	1.4E-03	1.3E-02
	05	13/30	5.0E-03	4.0E-02	8.5E-03	1.4E-03	1.1E-02
	10	2/50	1.0E-02	4.0E-02	1.1E-02	8.4E-04	1.2E-02
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	6/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	22	4/4	7.0E-02	7.0E-01	2.6E-01	1.5E-01	6.1E-01
	13	0/0					
	03	16/33	1.0E-02	1.4E-01	1.9E-02	4.3E-03	2.7E-02
2,2',3,5',6-Pentachlorobiphenyl (MG/KG)	04	27/64	1.0E-02	1.0E-01	1.7E-02	2.1E-03	2.1E-02
	06	2/3	1.0E-02	2.0E-02	1.3E-02	3.8E-03	2.5E-02
	18	7/20	1.0E-02	4.2E-01	3.4E-02	2.2E-02	7.1E-02
	05	15/30	5.0E-03	6.0E-02	1.3E-02	2.3E-03	1.7E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,5'-Tetrachlorobiphenyl (MG/KG)	10	2/50	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	6/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	22	4/4	3.0E-02	8.0E-02	4.8E-02	1.2E-02	7.5E-02
	13	0/0					
	03	5/33	5.0E-03	3.0E-02	6.2E-03	8.6E-04	7.7E-03
	04	8/64	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	06	1/3	8.0E-03	1.0E-02 *	8.0E-03		
	18	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	3/30	8.0E-03	1.0E-02	8.1E-03	1.1E-04	8.3E-03
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
2,2',3,5,5',6-Hexachlorobiphenyl (MG/KG)	01	0/3	1.0E-02	1.0E-02 *			
	02	18/20	1.0E-02	9.0E-02	3.0E-02	5.1E-03	3.9E-02
	22	4/4	7.0E-02	2.4E-01	1.5E-01	3.6E-02	2.3E-01
	13	0/0					
	03	22/33	1.0E-02	7.0E-02	1.9E-02	2.5E-03	2.3E-02
	04	33/64	1.0E-02	9.0E-02	1.9E-02	2.0E-03	2.2E-02
	06	2/3	1.0E-02	4.0E-02	2.7E-02	7.7E-03	4.9E-02
	18	10/20	1.0E-02	4.0E-02	1.7E-02	2.3E-03	2.0E-02
	05	19/30	1.0E-02	8.0E-02	1.9E-02	2.8E-03	2.4E-02
	10	12/50	1.0E-02	1.0E-01	1.6E-02	2.5E-03	2.0E-02
	00	0/0					
	01	3/3	1.1E-01	1.2E-01	1.2E-01	3.3E-03	1.3E-01
	02	6/20	1.0E-02	2.4E-01	9.7E-02	9.4E-03	1.1E-01
2,2',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	22	4/4	2.4E-01	5.7E-01	4.3E-01	7.1E-02	5.9E-01
	13	0/0					
	03	18/33	1.0E-02	2.6E-01	7.1E-02	1.5E-02	9.6E-02
	04	32/64	1.0E-02	4.8E-01	7.8E-02	1.4E-02	1.0E-01
	06	2/3	1.0E-02	4.1E-01	3.0E-01	6.5E-02	4.9E-01

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	18	2/20	1.0E-02	1.2E-01	1.6E-02	7.6E-03	2.9E-02
	05	11/30	1.0E-02	4.1E-01	1.2E-01	2.6E-02	1.6E-01
	10	17/50	1.0E-02	6.0E-02	1.5E-02	1.5E-03	1.7E-02
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	1/20	1.0E-02	2.0E-02	2.0E-02		
	22	0/4	1.0E-02	1.0E-02 *			
	13	0/0					
	03	20/33	1.0E-02	2.5E-01	5.8E-02	1.2E-02	7.9E-02
	04	19/64	1.0E-02	4.5E-01	4.7E-02	9.9E-03	6.4E-02
2,2',4,4',5-Pentachlorobiphenyl (MG/KG)	06	3/3	8.0E-02	1.9E-01	1.4E-01	3.2E-02	2.3E-01
	18	10/20	1.0E-02	2.2E-01	6.5E-02	1.3E-02	8.6E-02
	05	18/30	1.0E-02	2.1E-01	5.7E-02	9.0E-03	7.2E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	10/20	1.0E-02	5.0E-02	1.7E-02	2.5E-03	2.1E-02
	22	4/4	8.0E-02	2.9E-01	1.6E-01	4.6E-02	2.7E-01
	13	0/0					
	03	11/33	7.0E-03	5.0E-02	1.1E-02	1.6E-03	1.3E-02
2,2',5,5',5'-Tetrachlorobiphenyl (MG/KG)	04	18/64	1.0E-02	3.0E-02	1.1E-02	5.6E-04	1.2E-02
	06	2/3	5.0E-03	1.0E-02 *	7.0E-03	2.0E-03	1.3E-02
	18	2/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	10/30	5.0E-03	3.0E-02	7.3E-03	1.0E-03	9.1E-03
	10	2/50	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	00	0/0					
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	15/20	1.0E-02	7.0E-02	2.6E-02	4.0E-03	3.2E-02
	22	4/4	8.0E-02	3.4E-01	1.7E-01	5.9E-02	3.1E-01
	13	0/0					
03	11/33		1.0E-02	7.0E-02	1.4E-02	2.1E-03	1.7E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3',4',5'-Tetrachlorobiphenyl (MG/KG)	13	0/0					
	03	1/33	5.0E-03	1.0E-02 *	5.0E-03		
	04	2/64	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/20	1.0E-02	1.0E-02 *			
	05	2/30	7.0E-03	1.0E-02 *	7.0E-03	0.0E+00	7.0E-03
	10	3/50	1.0E-02	2.0E-02	1.0E-02	2.4E-04	1.1E-02
	00	0/0					
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	19/20	1.0E-02	9.0E-02	3.7E-02	4.9E-03	4.5E-02
2,3',4,4',5'-Pentachlorobiphenyl (MG/KG)	22	1/4	1.0E-02	3.0E-02	3.0E-02		
	13	0/0					
	03	15/33	7.0E-03	1.8E-01	2.9E-02	6.9E-03	4.1E-02
	04	22/64	1.0E-02	2.0E-01	2.5E-02	4.2E-03	3.2E-02
	06	2/3	1.0E-02	4.0E-02	4.0E-02	0.0E+00	4.0E-02
	18	17/20	1.0E-02	1.1E-01	4.2E-02	6.5E-03	5.3E-02
	05	16/30	1.0E-02	1.2E-01	2.4E-02	4.6E-03	3.2E-02
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
2,3',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	02	6/20	1.0E-02	2.0E-02	1.1E-02	7.3E-04	1.2E-02
	22	0/4	1.0E-02	1.0E-02 *			
	13	0/0					
	03	4/33	1.0E-02	2.0E-02	1.0E-02	3.4E-04	1.1E-02
	04	4/64	1.0E-02	5.0E-02	1.1E-02	8.0E-04	1.2E-02
	06	2/3	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	4/20	1.0E-02	2.0E-02	1.1E-02	7.7E-04	1.2E-02
	05	10/30	5.0E-03	1.0E-02	7.8E-03	5.0E-04	8.7E-03
	10	2/50	1.0E-02	3.0E-02	1.0E-02	5.6E-04	1.1E-02
	00	0/0					
2,3',4,4',5-Pentachlorobiphenyl (MG/KG)	01	3/3	1.0E-02	2.0E-02	1.3E-02	3.3E-03	2.3E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3',4,4',5-Pentachlorobiphenyl (MG/KG)	02	19/20	1.0E-02	1.0E-01	4.1E-02	5.1E-03	5.0E-02
	22	4/4	2.2E-01	8.7E-01	4.6E-01	1.4E-01	7.9E-01
	13	0/0					
	03	29/33	1.0E-02	2.3E-01	5.8E-02	8.5E-03	7.2E-02
	04	45/64	1.0E-02	2.4E-01	4.7E-02	5.7E-03	5.7E-02
	06	1/3	1.0E-02	7.0E-02	7.0E-02		
	18	10/20	1.0E-02	1.3E-01	4.3E-02	7.5E-03	5.6E-02
	05	27/30	1.0E-02	1.9E-01	6.1E-02	8.2E-03	7.5E-02
	10	1/50	1.0E-02	2.0E-02	2.0E-02		
	00	0/0					
2,3',4,4'-Tetrachlorobiphenyl (MG/KG)	01	0/3	1.0E-02	1.0E-02 *			
	02	6/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	22	4/4	7.0E-02	7.0E-01	2.6E-01	1.5E-01	6.1E-01
	13	0/0					
	03	9/33	1.0E-02	3.0E-02	1.1E-02	7.0E-04	1.2E-02
	04	18/64	1.0E-02	3.0E-02	1.2E-02	6.2E-04	1.3E-02
	06	3/3	5.0E-03	1.0E-02	8.3E-03	1.7E-03	1.3E-02
	18	1/20	1.0E-02	1.0E-02	1.0E-02		
	05	13/30	5.0E-03	3.0E-02	8.8E-03	1.1E-03	1.1E-02
	10	0/50	1.0E-02	1.0E-02 *			
2,3,3',4',6-Pentachlorobiphenyl (MG/KG)	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	18/20	1.0E-02	1.1E-01	4.3E-02	6.0E-03	5.3E-02
	22	4/4	1.8E-01	5.3E-01	3.4E-01	7.5E-02	5.1E-01
	13	0/0					
	03	18/33	6.0E-03	1.6E-01	2.3E-02	5.2E-03	3.2E-02
	04	41/64	1.0E-02	1.7E-01	2.8E-02	3.5E-03	3.4E-02
	06	2/3	1.0E-02	4.0E-02	2.7E-02	7.7E-03	4.9E-02
	18	12/20	1.0E-02	7.0E-02	2.3E-02	3.9E-03	3.0E-02
	05	19/30	7.0E-03	1.0E-01	2.5E-02	4.3E-03	3.2E-02
2,3,3',4,4',5'-Hexachlorobiphenyl (MG/KG)	10	4/50	1.0E-02	5.0E-02	1.1E-02	9.1E-04	1.2E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3,3',4,4',5'-Hexachlorobiphenyl (MG/KG)	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	4/20	1.0E-02	2.0E-02	1.1E-02	5.6E-04	1.1E-02
	22	3/4	1.0E-02	5.0E-02	2.8E-02	8.0E-03	4.6E-02
	13	0/0					
	03	8/33	1.0E-02	2.0E-02	1.0E-02	3.2E-04	1.1E-02
	04	12/64	1.0E-02	2.0E-01	1.5E-02	3.2E-03	2.0E-02
	06	2/3	6.0E-03	1.0E-02 *	7.0E-03	1.0E-03	9.9E-03
	18	14/20	1.0E-02	2.0E-02	1.2E-02	9.3E-04	1.4E-02
	05	15/30	6.0E-03	2.0E-02	8.3E-03	6.1E-04	9.4E-03
	10	3/50	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
2,3,3',4,4',5-Hexachlorobiphenyl (MG/KG)	02	14/20	1.0E-02	4.0E-02	1.7E-02	2.0E-03	2.0E-02
	22	4/4	2.0E-02	5.0E-02	2.8E-02	7.5E-03	4.5E-02
	13	0/0					
	03	21/33	5.0E-03	9.0E-02	2.1E-02	3.7E-03	2.7E-02
	04	29/64	1.0E-02	9.0E-02	1.6E-02	1.8E-03	1.9E-02
	06	3/3	8.0E-03	2.0E-02	1.6E-02	4.0E-03	2.8E-02
	18	18/20	1.0E-02	7.0E-02	3.2E-02	4.3E-03	3.9E-02
	05	25/30	7.0E-03	7.0E-02	1.9E-02	2.6E-03	2.3E-02
	10	1/50	1.0E-02	2.0E-02	2.0E-02		
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	15/20	1.0E-02	4.0E-02	1.7E-02	2.0E-03	2.0E-02
	22	4/4	3.0E-02	1.3E-01	6.5E-02	2.2E-02	1.2E-01
2,3,3',4,4',6-Hexachlorobiphenyl (MG/KG)	13	0/0					
	03	19/33	5.0E-03	5.0E-02	1.3E-02	1.9E-03	1.7E-02
	04	23/64	1.0E-02	7.0E-02	1.4E-02	1.3E-03	1.6E-02
	06	1/3	1.0E-02	3.0E-02	3.0E-02		
	18	0/20	1.0E-02	1.0E-02 *			

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3,3',4,4',6-Hexachlorobiphenyl (MG/KG)	05	9/30	8.0E-03	2.0E-02	1.0E-02	8.7E-04	1.2E-02
	10	1/50	1.0E-02	1.0E-02	1.0E-02		
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	1/20	1.0E-02	1.0E-02	1.0E-02		
	22	1/4	1.0E-02	1.3E-01	1.3E-01		
	13	0/0					
	03	6/33	1.0E-02	5.0E-02	1.2E-02	1.6E-03	1.5E-02
	04	5/64	1.0E-02	4.0E-02	1.0E-02	5.2E-04	1.1E-02
	06	2/3	6.0E-03	1.0E-02	7.3E-03	1.5E-03	1.2E-02
2,3,4,2',4',5'-Hexachlorobiphenyl (MG/KG)	18	1/20	1.0E-02	1.1E-01	1.1E-01		
	05	6/30	7.0E-03	4.0E-02	8.5E-03	1.2E-03	1.1E-02
	10	22/50	1.0E-02	1.2E-01	1.6E-02	2.6E-03	2.1E-02
	00	0/0					
	01	1/3	1.0E-02	4.0E-02	4.0E-02		
	02	15/20	1.0E-02	9.0E-02	3.1E-02	5.4E-03	4.0E-02
	22	2/4	1.0E-02	6.0E-02	2.3E-02	1.5E-02	5.9E-02
	13	0/0					
	03	30/33	1.0E-02	5.1E-01	1.2E-01	2.1E-02	1.5E-01
	04	41/64	1.0E-02	5.8E-01	7.7E-02	1.2E-02	9.7E-02
2,3,4,4',5-Pentachlorobiphenyl (MG/KG)	06	3/3	4.0E-02	1.1E-01	6.7E-02	2.2E-02	1.3E-01
	18	10/20	1.0E-02	2.8E-01	1.1E-01	1.5E-02	1.4E-01
	05	23/30	1.0E-02	2.3E-01	5.7E-02	1.0E-02	7.5E-02
	10	23/50	1.0E-02	2.0E-02	1.1E-02	4.3E-04	1.2E-02
	00	0/0					
	01	2/3	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	02	6/20	1.0E-02	5.0E-02	2.3E-02	1.9E-03	2.6E-02
	22	4/4	6.0E-02	1.0E-01	7.8E-02	8.5E-03	9.8E-02
	13	0/0					
	03	23/33	7.0E-03	3.0E-02	1.5E-02	1.5E-03	1.8E-02
04	37/64		1.0E-02	1.2E-01	2.5E-02	3.1E-03	3.1E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Defects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3,4,4',5-Pentachlorobiphenyl (MG/KG)	06	3/3	9.0E-03	4.0E-02	2.3E-02	9.1E-03	4.9E-02
	18	18/20	1.0E-02	9.0E-02	2.7E-02	4.0E-03	3.4E-02
	05	27/30	6.0E-03	7.0E-02	2.3E-02	2.7E-03	2.8E-02
	10	11/50	1.0E-02	5.0E-02	1.1E-02	8.3E-04	1.2E-02
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	11/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	22	0/4	1.0E-02	1.0E-02 *			
	13	0/0					
	03	7/33	6.0E-03	1.0E-02	6.8E-03	3.4E-04	7.4E-03
2,4,4'-Trichlorobiphenyl (MG/KG)	04	9/64	1.0E-02	2.0E-02	1.0E-02	1.6E-04	1.0E-02
	06	3/3	5.0E-03	6.0E-03	5.7E-03	3.3E-04	6.6E-03
	18	6/20	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	22/30	5.0E-03	1.0E-02	8.4E-03	3.9E-04	9.1E-03
	10	0/50	1.0E-02	1.0E-02 *			
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/20	1.0E-02	1.0E-02 *			
	22	4/4	1.0E-02	2.0E-02	1.5E-02	2.9E-03	2.2E-02
	13	0/0					
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)	03	0/33	1.0E-02	1.0E-02 *			
	04	0/64	1.0E-02	1.0E-02 *			
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/20	1.0E-02	1.0E-02 *			
	05	0/30	1.0E-02	1.0E-02 *			
	10	1/50	1.0E-02	1.0E-02	1.0E-02		
	00	0/0					
	01	3/3	1.0E-02	2.0E-02	1.7E-02	3.3E-03	2.6E-02
	02	2/20	1.0E-02	5.0E-02	1.2E-02	2.8E-03	1.7E-02
	22	4/4	2.4E-01	9.6E-01	5.1E-01	1.6E-01	8.8E-01
	13	0/0					

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)	03	25/33	1.0E-02	1.9E-01	3.4E-02	6.0E-03	4.4E-02
	04	37/64	1.0E-02	1.5E-01	2.9E-02	3.3E-03	3.4E-02
	06	1/3	1.0E-02	2.0E-02	2.0E-02		
	18	6/20	1.0E-02	1.0E-01	1.8E-02	5.1E-03	2.7E-02
	05	22/30	1.0E-02	1.0E-01	3.0E-02	5.0E-03	3.9E-02
	10	3/50	1.0E-02	3.0E-02	1.0E-02	4.8E-04	1.1E-02
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	16/20	1.0E-02	7.0E-02	2.5E-02	4.2E-03	3.2E-02
	22	4/4	1.8E-01	5.3E-01	3.4E-01	7.5E-02	5.1E-01
3,3',4,4'-Tetrachlorobiphenyl (MG/KG)	13	0/0					
	03	25/33	6.0E-03	3.5E-01	4.3E-02	1.1E-02	6.3E-02
	04	41/64	1.0E-02	2.0E-01	3.5E-02	5.2E-03	4.3E-02
	06	2/3	1.0E-02	4.0E-02	2.7E-02	7.7E-03	4.9E-02
	18	10/20	1.0E-02	1.1E-01	2.8E-02	7.1E-03	4.0E-02
	05	28/30	7.0E-03	2.0E-01	4.7E-02	7.8E-03	6.1E-02
	10	1/50	1.0E-02	2.0E-02	2.0E-02		
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
	02	6/20	1.0E-02	3.0E-02	1.4E-02	1.6E-03	1.6E-02
3,4,4',5'-Tetrachlorobiphenyl (MG/KG)	22	4/4	3.0E-02	2.2E-01	9.5E-02	4.3E-02	2.0E-01
	13	0/0					
	03	19/33	5.0E-03	1.3E-01	1.8E-02	4.3E-03	2.6E-02
	04	21/64	1.0E-02	2.0E-01	1.9E-02	3.5E-03	2.5E-02
	06	2/3	9.0E-03	1.0E-02	9.3E-03	3.8E-04	1.0E-02
	18	12/20	1.0E-02	4.6E-01	4.2E-02	2.3E-02	8.1E-02
	05	20/30	5.0E-03	7.0E-02	1.4E-02	2.5E-03	1.8E-02
	10	1/50	1.0E-02	1.0E-02	1.0E-02		
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
3,4,4'-Trichlorobiphenyl (MG/KG)	01	0/3	1.0E-02	1.0E-02 *			
	02	1/20	1.0E-02	1.0E-02	1.0E-02		

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
3,4,4'-Trichlorobiphenyl (MG/KG)	22	3/4	1.0E-02	3.0E-02	1.8E-02	5.1E-03	2.9E-02
	13	0/0					
	03	4/33	6.0E-03	4.0E-02	7.3E-03	1.2E-03	9.3E-03
	04	6/64	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	06	1/3	1.0E-02	1.0E-02	1.0E-02		
	18	0/20	1.0E-02	1.0E-02 *			
	05	4/30	5.0E-03	1.0E-02	6.3E-03	7.9E-04	7.6E-03
	10	1/50	1.0E-02	1.0E-02	1.0E-02		
	00	0/0					
	01	0/3	1.0E-02	1.0E-02 *			
3,4,5,3',4'-Pentachlorobiphenyl (MG/KG)	02	13/20	1.0E-02	5.0E-02	1.8E-02	2.6E-03	2.3E-02
	22	3/4	1.0E-02	8.0E-02	2.8E-02	1.9E-02	7.1E-02
	13	0/0					
	03	9/33	1.0E-02	4.0E-02	1.3E-02	1.2E-03	1.5E-02
	04	16/64	1.0E-02	7.0E-02	1.4E-02	1.5E-03	1.7E-02
	06	3/3	8.0E-03	2.0E-02	1.6E-02	4.0E-03	2.8E-02
	18	4/20	1.0E-02	2.0E-02	1.2E-02	9.2E-04	1.3E-02
	05	9/30	7.0E-03	3.0E-02	9.5E-03	1.1E-03	1.1E-02
	10	7/8	3.8E-04	1.0E-02 *	7.8E-04	1.7E-04	1.1E-03
	00	5/7	2.1E-04	1.0E-01 *	1.9E-03	9.1E-04	3.6E-03
4,4'-DDD (MG/KG)	01	0/8	2.6E-03	2.0E-01 *			
	02	1/22	8.0E-03	1.0E-01 *	8.0E-03		
	22	0/0					
	13	0/4	1.0E-02	1.0E-02 *			
	03	2/34	3.0E-04	1.7E-02 *	3.0E-04	0.0E+00	3.0E-04
	04	4/18	2.7E-03	2.0E-01 *	5.3E-03	1.9E-03	8.6E-03
	06	0/0					
	18	0/0					
	05	12/17	3.4E-04	1.9E-02	2.9E-03	1.2E-03	4.9E-03
	10	2/8	2.4E-03	1.0E-02 *	2.6E-03	2.1E-04	3.0E-03
4,4'-DDE (MG/KG)	00	6/8	5.3E-04	2.7E-02	7.6E-03	3.4E-03	1.4E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
4,4'-DDE (MG/KG)	01	2/8	1.0E-02	2.0E-01 *	3.3E-02	2.8E-02	8.5E-02
	02	6/21	1.5E-03	1.0E-01 *	8.3E-03	2.8E-03	1.3E-02
	22	0/0					
	13	2/2	2.2E-03	6.8E-03	4.5E-03	2.3E-03	1.9E-02
	03	34/34	1.2E-04	4.3E-02	4.4E-03	1.5E-03	7.0E-03
	04	12/18	4.5E-03	2.0E-01 *	1.7E-02	5.2E-03	2.6E-02
	06	0/0					
	18	0/0					
	05	9/18	4.8E-03	3.0E-02	9.6E-03	1.6E-03	1.2E-02
	10	0/8	1.0E-02	1.0E-02 *			
	00	0/8	1.0E-02	1.0E-01 *			
	01	0/8	1.0E-02	2.0E-01 *			
	02	2/21	3.3E-04	1.0E-01 *	5.0E-04	1.7E-04	7.8E-04
	22	0/0					
	13	0/3	1.0E-02	1.0E-02 *			
	03	0/34	1.0E-02	1.7E-02 *			
	04	1/18	1.6E-03	2.0E-01 *	1.6E-03		
	06	0/0					
	18	0/0					
Aldrin (MG/KG)	05	5/18	4.2E-04	1.0E-02 *	8.0E-04	2.1E-04	1.2E-03
	10	0/8	1.0E-02	1.0E-02 *			
	00	0/8	1.0E-02	1.0E-01 *			
	01	0/8	1.0E-02	2.0E-01 *			
	02	2/22	1.1E-04	1.0E-01 *	1.3E-04	2.0E-05	1.6E-04
	22	0/0					
	13	2/3	8.7E-04	1.0E-02 *	9.7E-04	9.5E-05	1.2E-03
	03	0/34	7.7E-03	8.5E-03 *			
	04	2/14	6.5E-04	2.0E-01 *	8.8E-04	2.3E-04	1.3E-03
	06	0/0					
	18	0/0					
	05	2/18	1.3E-04	1.0E-01 *	1.3E-03	1.2E-03	3.3E-03

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Arsenic (MG/KG)	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
	22	0/0					
	13	0/0					
	03	0/0					
	04	6/25	6.0E-03	1.1E-01	2.6E-02	6.3E-03	3.7E-02
	06	0/0					
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
Beryllium (MG/KG)	01	0/0					
	02	0/0					
	22	0/0					
	13	0/0					
	03	0/0					
	04	4/25	8.0E-04	6.0E-03	2.3E-03	2.1E-04	2.7E-03
	06	0/0					
	18	0/0					
	05	0/0					
	10	0/0					
	00	0/0					
	01	0/6	6.8E-01	8.7E-01 *			
	02	0/16	5.4E-01	1.9E+00 *			
Bis(2-ethylhexyl)phthalate (MG/KG)	22	0/0					
	13	0/0					
	03	1/42	3.3E-02	4.1E-01 *	4.7E-02		
	04	0/6	6.6E-01	7.2E-01 *			
	06	0/0					

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
Bis(2-ethylhexyl)phthalate (MG/KG)							
	18	0/0					
	05	0/0					
Cesium-137 (PCI/G)	10	3/8	1.5E-02	1.5E-01 *	2.3E-02	6.7E-03	3.6E-02
	00	0/8	4.9E-02	1.3E-01 *			
	01	2/8	3.9E-02	1.0E-01 *	5.4E-02	1.4E-02	8.1E-02
	02	17/22	6.4E-02	4.0E+00	6.7E-01	2.4E-01	1.1E+00
	22	0/0					
	13	1/4	4.8E-02	1.3E-01 *	7.8E-02		
	03	11/36	1.8E-02	3.0E-01 *	5.5E-02	7.8E-03	6.8E-02
	04	9/18	3.6E-02	2.2E-01 *	5.5E-02	7.3E-03	6.8E-02
	06	0/0					
	18	0/0					
Chlordane, total (MG/KG)	05	11/19	2.5E-02	1.4E-01 *	6.4E-02	9.3E-03	8.0E-02
	10	59/68	1.3E-02	1.5E-01	6.9E-02	3.9E-03	7.6E-02
	00	7/8	1.0E-02	2.5E-01	1.0E-01	3.3E-02	1.7E-01
	01	7/11	2.2E-02	8.2E-01	2.0E-01	7.8E-02	3.4E-01
	02	37/42	2.0E-02	4.2E-01 *	1.8E-01	1.7E-02	2.1E-01
	22	4/4	1.7E-01	3.5E-01	2.6E-01	4.0E-02	3.5E-01
	13	2/4	2.0E-02	1.0E-01	9.7E-02	2.4E-03	1.0E-01
	03	67/67	3.8E-02	2.2E-01	8.7E-02	4.7E-03	9.4E-02
	04	91/92	4.1E-02	4.5E-01	1.2E-01	7.8E-03	1.3E-01
	06	3/3	1.0E-01	2.0E-01	1.4E-01	3.0E-02	2.3E-01
	18	26/30	6.0E-02	7.2E-01	1.5E-01	2.7E-02	2.0E-01
	05	63/68	5.3E-03	3.3E-01	1.1E-01	8.6E-03	1.2E-01
	10	1/68	1.5E-03	1.0E-02 *	1.5E-03		
	00	0/8	1.0E-02	1.0E-01 *			
	01	0/11	1.0E-02	2.0E-01 *	1.1E-03	1.1E-04	1.3E-03
	02	2/42	9.9E-04	1.0E-01 *			
Chlordene (MG/KG)	22	0/4	1.0E-02	1.0E-02 *			
	13	0/4	1.0E-02	1.0E-02 *			
	03	2/67	1.0E-02	1.5E-02	1.3E-02	4.2E-05	1.3E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Naphthalene (MG/KG)	02	0/16	5.4E-01	1.9E+00 *			
	22	0/0					
	13	0/0					
	03	3/44	2.8E-02	4.1E-01 *	2.9E-02	8.8E-04	3.1E-02
	04	0/6	6.6E-01	7.2E-01 *			
	06	0/0					
	18	0/0					
	05	0/1	5.7E-02	5.7E-02 *			
	10	7/20	2.7E-04	1.0E-02 *	7.9E-04	2.7E-04	1.2E-03
	00	7/7	6.4E-04	2.7E-02	8.9E-03	3.8E-03	1.6E-02
Oxychlordan (MG/KG)	01	2/8	3.0E-04	2.0E-01 *	3.2E-03	6.5E-04	4.4E-03
	02	14/19	2.1E-03	1.0E-01 *	5.5E-03	9.0E-04	7.1E-03
	22	3/4	5.0E-03	1.0E-02	6.6E-03	1.2E-03	9.5E-03
	13	2/2	5.1E-02	6.5E-02	5.8E-02	6.6E-03	1.0E-01
	03	24/34	5.2E-04	7.3E-02	6.1E-03	2.1E-03	9.7E-03
	04	10/23	4.7E-04	9.4E-02	1.6E-02	5.1E-03	2.4E-02
	06	0/0					
	18	0/6	1.0E-02	1.0E-02 *			
	05	6/36	3.2E-04	1.0E-01 *	1.3E-03	5.6E-04	2.3E-03
	10	0/60	1.0E-02	1.0E-01 *			
PCB-1016 (MG/KG)	00	0/0					
	01	0/3	1.0E-01	1.0E-01 *			
	02	0/20	1.0E-01	1.0E-01 *			
	22	0/4	1.0E-01	1.0E-01 *			
	13	0/0					
	03	1/33	1.0E-01	1.0E-01	1.0E-01		
	04	0/74	1.0E-01	1.0E-01 *			
	06	0/3	1.0E-01	1.0E-01 *			
	18	0/30	1.0E-01	1.0E-01 *			
	05	0/50	1.0E-01	1.0E-01 *			
PCB-1254 (MG/KG)	10	32/68	1.0E-02	3.0E-01	7.1E-02	4.7E-03	7.9E-02

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
PCB-1254 (MG/KG)	00	5/8	1.0E-02	3.8E-01	6.9E-02	4.7E-02	1.6E-01
	01	11/11	1.0E-02	1.6E-01	8.7E-02	1.4E-02	1.1E-01
	02	37/38	1.0E-02	1.5E+00	5.4E-01	5.9E-02	6.4E-01
	22	4/4	2.0E+00	4.8E+00	3.5E+00	6.1E-01	4.9E+00
	13	2/2	4.0E-02	1.9E-01	1.2E-01	7.5E-02	5.9E-01
	03	64/64	2.0E-02	2.0E+00	3.0E-01	3.8E-02	3.7E-01
	04	88/92	1.0E-02	2.0E+00	4.7E-01	4.2E-02	5.4E-01
	06	3/3	3.3E-01	6.8E-01	4.8E-01	1.0E-01	7.8E-01
	18	30/30	1.0E-01	1.5E+00	5.4E-01	5.2E-02	6.3E-01
	05	64/67	1.0E-02	1.3E+00	4.3E-01	4.0E-02	5.0E-01
	10	61/68	1.0E-02	1.2E+00	2.1E-01	2.4E-02	2.5E-01
	00	8/8	5.0E-02	2.6E+00	7.4E-01	3.3E-01	1.4E+00
	01	11/11	1.0E-01	5.4E-01	2.8E-01	4.5E-02	3.7E-01
	02	42/42	5.0E-02	2.4E+00	9.8E-01	9.1E-02	1.1E+00
	22	4/4	1.2E+00	3.4E+00	2.5E+00	4.6E-01	3.5E+00
	13	4/4	1.9E-01	3.9E-01	3.0E-01	4.1E-02	3.9E-01
	03	69/69	3.0E-02	3.0E+00	6.8E-01	6.6E-02	7.9E-01
	04	91/92	1.0E-02	3.6E+00	7.7E-01	6.5E-02	8.7E-01
	06	3/3	1.1E+00	1.8E+00	1.5E+00	2.1E-01	2.1E+00
	18	30/30	2.0E-01	1.9E+00	9.5E-01	8.2E-02	1.1E+00
	05	69/69	3.0E-02	2.2E+00	8.0E-01	5.9E-02	8.9E-01
Selenium (MG/KG)	10	0/0					
	00	0/0					
	01	0/0					
	02	0/0					
	22	0/0					
	13	0/0					
	03	0/0					
	04	12/24	1.2E-02	1.6E-01 *	4.6E-02	8.8E-03	6.1E-02
	06	0/0					
	18	0/0					

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Selenium (MG/KG)	05	0/0					
Strontium-90 (PCI/G)	10	7/7	-8.8E-02	2.7E-01	1.3E-01	3.3E-02	1.9E-01
	00	7/7	-8.8E-02	8.8E-02	5.1E-02	1.8E-02	8.5E-02
	01	0/0					
	02	6/6	1.8E-01	6.2E-01	4.0E-01	6.8E-02	5.4E-01
	22	0/0					
	13	3/3	8.9E-02	2.7E-01	1.8E-01	5.1E-02	3.3E-01
	03	22/22	-2.6E-01	7.1E-01	2.5E-01	3.8E-02	3.2E-01
	04	6/6	8.8E-02	3.5E-01	2.2E-01	3.8E-02	3.0E-01
	06	0/0					
	18	0/0					
alpha-Chlordane (MG/KG)	05	17/17	-8.8E-02	8.8E-01	2.1E-01	5.0E-02	2.9E-01
	10	9/13	9.9E-04	2.0E-02	5.0E-03	1.4E-03	7.6E-03
	00	7/7	2.5E-03	5.0E-02	2.0E-02	7.4E-03	3.5E-02
	01	3/8	3.0E-03	1.4E-02	6.2E-03	1.5E-03	9.0E-03
	02	17/18	1.8E-03	5.1E-02	2.0E-02	3.3E-03	2.5E-02
	22	0/4	1.0E-02	1.0E-02 *			
	13	2/2	5.1E-03	8.5E-03	6.8E-03	1.7E-03	1.7E-02
	03	34/34	1.6E-03	3.3E-02	1.1E-02	1.3E-03	1.3E-02
	04	17/19	1.2E-03	5.6E-02	1.6E-02	3.8E-03	2.3E-02
	06	0/0					
	18	2/2	4.0E-02	4.0E-02	4.0E-02	0.0E+00	4.0E-02
	05	18/19	6.2E-04	1.3E-01	1.3E-02	6.8E-03	2.5E-02
	10	7/68	2.2E-04	1.0E-02 *	1.4E-03	3.7E-04	2.0E-03
	00	3/7	1.2E-03	1.0E-01 *	1.7E-03	4.9E-04	2.7E-03
	01	3/11	4.9E-04	2.0E-01 *	4.8E-03	2.7E-03	9.6E-03
	02	5/41	1.2E-03	1.0E-01 *	3.7E-03	1.4E-03	6.2E-03
	22	0/4	1.0E-02	1.0E-02 *			
	13	0/4	1.0E-02	1.0E-02 *			
	03	2/67	1.9E-03	2.5E-02	6.4E-03	3.9E-04	7.0E-03
	04	8/92	9.1E-04	2.0E-01 *	3.3E-03	1.1E-03	5.1E-03
alpha-Chlordene (MG/KG)							

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
alpha-Chlordene (MG/KG)							
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/30	1.0E-02	1.0E-02 *			
cis-Nonachlor (MG/KG)	05	8/67	1.3E-04	1.0E-02 *	7.9E-04	3.0E-04	1.3E-03
	10	36/60	5.0E-03	3.0E-02	1.1E-02	6.8E-04	1.2E-02
	00	0/0					
	01	3/3	1.0E-02	2.0E-02	1.7E-02	3.3E-03	2.6E-02
	02	20/20	2.0E-02	9.0E-02	4.0E-02	4.9E-03	4.8E-02
gamma-Chlordane (MG/KG)	22	4/4	3.0E-02	1.6E-01	7.5E-02	2.9E-02	1.4E-01
	13	0/0					
	03	23/33	5.0E-03	3.0E-02	1.2E-02	1.2E-03	1.4E-02
	04	67/74	6.0E-03	1.1E-01	2.4E-02	2.2E-03	2.8E-02
	06	2/3	1.0E-02	6.0E-02	4.0E-02	1.2E-02	7.4E-02
	18	21/30	6.0E-03	2.1E-01	2.8E-02	8.1E-03	4.2E-02
	05	42/50	6.0E-03	6.0E-02	2.3E-02	2.2E-03	2.6E-02
	10	31/68	4.7E-04	2.0E-02	5.4E-03	6.9E-04	6.6E-03
	00	3/7	1.9E-03	4.1E-02 *	1.3E-02	2.4E-03	1.8E-02
	01	3/11	2.5E-03	2.0E-02	2.0E-02	0.0E+00	2.0E-02
	02	24/39	1.4E-03	5.0E-02	1.2E-02	2.0E-03	1.6E-02
	22	4/4	3.0E-02	8.0E-02	5.3E-02	1.1E-02	7.9E-02
	13	2/2	3.2E-03	5.1E-03	4.2E-03	9.6E-04	1.0E-02
	03	58/67	1.4E-03	8.0E-02	2.1E-02	2.1E-03	2.5E-02
	04	48/92	5.9E-04	3.1E-02	7.6E-03	6.4E-04	8.6E-03
gamma-Chlordene (MG/KG)	06	1/3	5.0E-03	1.0E-02 *	5.0E-03		
	18	9/29	8.0E-03	1.0E-01	1.3E-02	3.4E-03	1.9E-02
	05	30/68	4.5E-04	6.3E-02	6.1E-03	1.3E-03	8.2E-03
	10	7/68	2.8E-04	1.0E-02 *	2.2E-03	5.7E-04	3.1E-03
	00	6/7	3.7E-04	1.0E-02 *	2.7E-03	1.0E-03	4.7E-03
	01	2/11	1.3E-03	2.0E-01	1.9E-02	2.4E-02	6.4E-02
	02	6/42	2.3E-03	1.0E-01 *	6.4E-03	1.3E-03	8.6E-03
	22	0/4	1.0E-02	1.0E-02 *			
	13	0/3	1.0E-02	1.0E-02 *			

Table D5. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
gamma-Chlordene (MG/KG)	03	24/67	2.6E-03	4.2E-02	8.4E-03	1.1E-03	1.0E-02
	04	9/91	2.0E-03	1.5E-02	4.5E-03	7.6E-04	5.8E-03
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/30	1.0E-02	1.0E-02 *			
	05	9/68	2.6E-04	1.0E-02 *	1.4E-03	5.3E-04	2.3E-03
	10	49/60	6.0E-03	1.0E-01	2.5E-02	2.3E-03	2.8E-02
trans-Nonachlor (MG/KG)	00	0/0					
	01	3/3	3.0E-02	5.0E-02	4.0E-02	5.8E-03	5.7E-02
	02	20/20	3.0E-02	1.9E-01	8.2E-02	1.1E-02	1.0E-01
	22	4/4	6.0E-02	1.2E-01	8.3E-02	1.4E-02	1.2E-01
	13	0/0					
	03	32/33	7.0E-03	1.0E-01	3.5E-02	4.2E-03	4.2E-02
	04	73/74	7.0E-03	2.8E-01	5.8E-02	5.8E-03	6.7E-02
	06	3/3	3.0E-02	1.0E-01	7.0E-02	2.1E-02	1.3E-01
	18	23/30	1.0E-02	4.7E-01	7.2E-02	1.9E-02	1.0E-01
	05	45/50	8.0E-03	2.2E-01	5.8E-02	7.1E-03	6.9E-02

* Maximum value is a non-detect

Table D6. Summary statistics for contaminant concentrations in whole gizzard shad.

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,4',5 Heptachlorobiphenyl (MG/KG)	10	2/17	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	3/14	1.0E-02	2.0E-02	1.1E-02	8.4E-04	1.2E-02
	04	4/20	7.0E-03	1.0E-02	8.2E-03	7.5E-04	9.5E-03
	06	2/3	7.0E-03	1.0E-02 *	8.0E-03	1.0E-03	1.1E-02
	18	1/15	1.0E-02	1.0E-02	1.0E-02		
	05	1/5	1.0E-02	1.0E-02	1.0E-02		
	10	5/17	1.0E-02	1.0E-02	1.0E-02		
	01	0/3	1.0E-02	1.0E-02 *	1.0E-02	0.0E+00	1.0E-02
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (MG/KG)	02	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	5/14	5.0E-03	3.0E-02	7.9E-03	1.9E-03	1.1E-02
	04	5/20	5.0E-03	1.0E-02	6.7E-03	6.1E-04	7.8E-03
	06	1/3	9.0E-03	1.0E-02 *	9.0E-03		
	18	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	1/5	1.0E-02	1.0E-02	1.0E-02		
	10	4/17	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	4/14	9.0E-03	4.0E-02	1.2E-02	2.5E-03	1.7E-02
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (MG/KG)	04	5/20	6.0E-03	1.0E-02 *	7.0E-03	6.3E-04	8.1E-03
	06	0/3	1.0E-02	1.0E-02 *	1.0E-02		
	18	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	0/5	1.0E-02	1.0E-02 *	1.0E-02		
	10	5/17	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	01	0/3	1.0E-02	1.0E-02 *	1.0E-02		
	02	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	3/14	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	2/20	9.0E-03	1.0E-02	9.1E-03	6.9E-05	9.2E-03
	06	0/3	1.0E-02	1.0E-02 *	1.0E-02		

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,4',5,6-Octachlorobiphenyl (MG/KG)	18	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	1/5	1.0E-02	1.0E-02	1.0E-02		
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
2,2',3,3',4,4',6-Heptachlorobiphenyl (MG/KG)	02	1/15	1.0E-02	2.0E-02	2.0E-02		
	03	5/14	7.0E-03	2.0E-02	1.0E-02	1.6E-03	1.3E-02
	04	1/20	7.0E-03	1.0E-02 *	7.0E-03		
	06	2/3	5.0E-03	1.0E-02 *	5.0E-03	0.0E+00	5.0E-03
	18	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
2,2',3,3',4,4',5,6'-Hexachlorobiphenyl (MG/KG)	02	0/15	1.0E-02	1.0E-02 *			
	03	7/14	5.0E-03	2.0E-02	8.3E-03	1.2E-03	1.0E-02
	04	2/20	5.0E-03	1.0E-02 *	5.0E-03	0.0E+00	5.0E-03
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	2/15	1.0E-02	2.0E-02	1.1E-02	9.1E-04	1.2E-02
	03	4/14	5.0E-03	3.0E-02	7.5E-03	2.0E-03	1.1E-02
	04	2/20	6.0E-03	1.0E-02 *	6.0E-03	0.0E+00	6.0E-03
	06	0/3	1.0E-02	1.0E-02 *			
2,2',3,3',4,4',6'-Hexachlorobiphenyl (MG/KG)	18	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
	03	3/14	1.0E-02	1.0E-01	1.6E-02	7.6E-03	3.0E-02
	04	0/20	1.0E-02	1.0E-02 *			

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,6'-Hexachlorobiphenyl (MG/KG)	06	1/3	7.0E-03	1.0E-02 *	7.0E-03		
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	1/15	1.0E-02	4.0E-02	4.0E-02		
2,2',3,4',5',6'-Hexachlorobiphenyl (MG/KG)	03	4/14	5.0E-03	2.0E-02	7.6E-03	1.6E-03	1.0E-02
	04	5/20	6.0E-03	1.0E-02	6.8E-03	4.0E-04	7.5E-03
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
2,2',3,4',5,5'-Hexachlorobiphenyl (MG/KG)	01	0/3	1.0E-02	1.0E-02 *			
	02	1/15	1.0E-02	3.0E-02	3.0E-02		
	03	4/14	7.0E-03	5.0E-02	1.1E-02	3.4E-03	1.7E-02
	04	0/20	1.0E-02	1.0E-02 *			
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
2,2',3,4,4',5',6'-HeptaChlorobiphenyl (MG/KG)	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	5/14	7.0E-03	2.0E-02	8.8E-03	1.0E-03	1.1E-02
	04	2/20	7.0E-03	1.0E-02 *	7.0E-03	0.0E+00	7.0E-03
2,2',3,4,4',5,5'-Heptachlorobiphenyl (MG/KG)	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	3/17	1.0E-02	1.0E-02 *	1.0E-02	0.0E+00	1.0E-02
	01	0/3	1.0E-02	1.0E-02 *			
	02	5/15	1.0E-02	5.0E-02	1.5E-02	3.1E-03	2.1E-02
	03	5/14	1.0E-02	1.7E-01	3.4E-02	1.1E-02	5.4E-02

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,4,4',5,5'-Heptachlorobiphenyl (MG/KG)	04	4/20	1.0E-02	2.0E-02	1.1E-02	5.6E-04	1.1E-02
	06	0/3	1.0E-02	1.0E-02 *			
	18	1/15	1.0E-02	1.0E-02	1.0E-02		
2,2',3,4,5'-Pentachlorobiphenyl (MG/KG)	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
	03	4/14	5.0E-03	1.0E-02	6.6E-03	8.2E-04	8.0E-03
	04	0/20	1.0E-02	1.0E-02 *			
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
2,2',3,5',6-Pentachlorobiphenyl (MG/KG)	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
	03	7/14	6.0E-03	4.0E-02	1.3E-02	3.4E-03	2.0E-02
	04	5/20	5.0E-03	1.0E-02	7.9E-03	1.1E-03	9.8E-03
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
2,2',3,5',6-Tetrachlorobiphenyl (MG/KG)	05	0/5	1.0E-02	1.0E-02 *			
	10	1/17	1.0E-02	1.0E-02	1.0E-02		
	01	0/3	1.0E-02	1.0E-02 *			
	02	1/15	1.0E-02	1.0E-02	1.0E-02		
	03	2/14	7.0E-03	1.0E-02	7.2E-03	2.9E-04	7.7E-03
	04	1/20	6.0E-03	1.0E-02 *	6.0E-03		
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
2,2',3,5,5',6-Hexachlorobiphenyl (MG/KG)	05	1/5	1.0E-02	1.0E-02	1.0E-02		
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,5,5',6-Hexachlorobiphenyl (MG/KG)	03	5/14	1.0E-02	2.0E-02	1.3E-02	1.3E-03	1.5E-02
	04	1/20	6.0E-03	1.0E-02 *	6.0E-03		
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	2/3	1.0E-02	3.0E-02	2.3E-02	3.8E-03	3.5E-02
	02	3/15	1.0E-02	3.0E-02	2.1E-02	7.9E-04	2.2E-02
	03	13/14	1.0E-02	2.8E-01	6.6E-02	1.9E-02	1.0E-01
	04	10/20	1.0E-02	9.0E-02	2.8E-02	6.0E-03	3.8E-02
2,2',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	06	3/3	3.0E-02	5.0E-02	4.0E-02	5.8E-03	5.7E-02
	18	3/15	1.0E-02	3.0E-02	2.1E-02	7.9E-04	2.2E-02
	05	2/5	1.0E-02	6.0E-02	5.2E-02	2.5E-03	5.7E-02
	10	3/17	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	01	0/3	1.0E-02	1.0E-02 *			
	02	8/15	1.0E-02	4.0E-02	1.7E-02	2.6E-03	2.1E-02
	03	3/14	1.0E-02	1.0E-01	6.3E-02	3.4E-03	6.9E-02
	04	8/20	9.0E-03	5.0E-02	1.6E-02	3.1E-03	2.2E-02
	06	1/3	1.0E-02	3.0E-02	3.0E-02		
	18	4/15	1.0E-02	2.0E-02	1.1E-02	1.0E-03	1.3E-02
2,2',4,5',5-Tetrachlorobiphenyl (MG/KG)	05	1/5	1.0E-02	1.0E-02	1.0E-02		
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	7/14	5.0E-03	2.0E-02	8.3E-03	1.3E-03	1.1E-02
	04	8/20	6.0E-03	1.0E-02	8.1E-03	4.5E-04	8.8E-03
	06	2/3	5.0E-03	1.0E-02 *	7.0E-03	2.0E-03	1.3E-02
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
2,2',5,5'-Tetrachlorobiphenyl (MG/KG)	01	1/3	1.0E-02	1.0E-02	1.0E-02		

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',5,5'-Tetrachlorobiphenyl (MG/KG)	02	1/15	1.0E-02	1.0E-02	1.0E-02		
	03	5/14	9.0E-03	2.0E-02	1.0E-02	8.4E-04	1.1E-02
	04	7/20	7.0E-03	1.0E-02	8.1E-03	3.9E-04	8.8E-03
	06	2/3	6.0E-03	1.0E-02 *	6.5E-03	5.0E-04	8.0E-03
	18	0/15	1.0E-02	1.0E-02 *			
	05	1/5	1.0E-02	1.0E-02	1.0E-02		
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
	03	2/14	7.0E-03	1.0E-02	7.2E-03	2.9E-04	7.7E-03
2,3',4,4',5'-Pentachlorobiphenyl (MG/KG)	04	5/20	5.0E-03	1.0E-02 *	5.8E-03	3.7E-04	6.4E-03
	06	1/3	5.0E-03	1.0E-02 *	5.0E-03		
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	1/15	1.0E-02	5.0E-02	5.0E-02		
	03	5/14	5.0E-03	4.0E-02	1.0E-02	3.1E-03	1.6E-02
	04	5/20	6.0E-03	1.0E-02	6.8E-03	4.0E-04	7.5E-03
	06	0/3	1.0E-02	1.0E-02 *			
2,3',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	18	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	1/5	1.0E-02	1.0E-02	1.0E-02		
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
	03	2/14	1.0E-02	1.0E-02	1.0E-02		
	04	0/20	1.0E-02	1.0E-02 *		0.0E+00	1.0E-02
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
2,3',4,4',5'-Pentachlorobiphenyl (MG/KG)	10	0/17	1.0E-02	1.0E-02 *			

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
2,3',4,4',5-Pentachlorobiphenyl (MG/KG)	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	1/15	1.0E-02	2.0E-02	2.0E-02		
	03	9/14	5.0E-03	9.0E-02	1.8E-02	6.1E-03	2.9E-02
	04	6/20	5.0E-03	2.0E-02	7.4E-03	9.1E-04	9.0E-03
	06	3/3	6.0E-03	9.0E-03	7.7E-03	8.8E-04	1.0E-02
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	1/17	1.0E-02	1.0E-02	1.0E-02		
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
2,3',4,4',6-Tetrachlorobiphenyl (MG/KG)	03	6/14	6.0E-03	2.0E-02	8.5E-03	1.4E-03	1.1E-02
	04	6/20	5.0E-03	1.0E-02	8.2E-03	8.7E-04	9.7E-03
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	2/17	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	01	0/3	1.0E-02	1.0E-02 *			
	02	1/15	1.0E-02	1.0E-02	1.0E-02		
	03	8/14	6.0E-03	4.0E-02	1.3E-02	2.7E-03	1.8E-02
	04	5/20	7.0E-03	1.0E-02	8.5E-03	5.6E-04	9.5E-03
2,3,3',4,4',5'-Hexachlorobiphenyl (MG/KG)	06	0/3	1.0E-02	1.0E-02 *			
	18	1/15	1.0E-02	1.0E-02	1.0E-02		
	05	1/5	1.0E-02	1.0E-02	1.0E-02		
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	1/15	1.0E-02	1.0E-02	1.0E-02		
	03	1/14	5.0E-03	1.0E-02 *	5.0E-03		
	04	1/20	6.0E-03	1.0E-02 *	6.0E-03		
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3,4,2',4',5'-Hexachlorobiphenyl (MG/KG)	05	2/5	1.0E-02	3.0E-02	3.0E-02	0.0E+00	3.0E-02
2,3,4,4',5,6-Hexachlorobiphenyl (MG/KG)	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
	03	0/14	1.0E-02	1.0E-02 *			
	04	1/20	1.0E-02	6.0E-02	6.0E-02		
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
2,3,4,4',5-Pentachlorobiphenyl (MG/KG)	01	2/3	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	02	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	03	11/14	5.0E-03	3.0E-02	1.1E-02	1.9E-03	1.5E-02
	04	9/20	7.0E-03	1.0E-02	8.4E-03	3.9E-04	9.1E-03
	06	3/3	8.0E-03	1.0E-02	9.3E-03	6.7E-04	1.1E-02
	18	1/15	1.0E-02	1.0E-02	1.0E-02		
	05	0/5	1.0E-02	1.0E-02 *			
	10	5/17	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
2,3,4,5,3',4',5'-Heptachlorobiphenyl (MG/KG)	01	0/3	1.0E-02	1.0E-02 *			
	02	1/15	1.0E-02	1.0E-02	1.0E-02		
	03	2/14	7.0E-03	1.0E-02	7.2E-03	2.9E-04	7.7E-03
	04	1/20	5.0E-03	1.0E-02 *	5.0E-03		
	06	0/3	1.0E-02	1.0E-02 *			
	18	5/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	05	2/5	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	10	0/17	1.0E-02	1.0E-02 *			
	01	1/3	1.0E-02	1.0E-02	1.0E-02		
	02	0/15	1.0E-02	1.0E-02 *			
	03	10/14	5.0E-03	5.0E-02	1.7E-02	4.3E-03	2.5E-02
	04	8/20	6.0E-03	2.0E-02	8.0E-03	7.6E-04	9.3E-03
	06	2/3	6.0E-03	1.0E-02 *	6.5E-03	5.0E-04	8.0E-03
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)							

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	1/17	1.0E-02	1.0E-02	1.0E-02		
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
3,3',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	03	0/14	1.0E-02	1.0E-02 *			
	04	0/20	1.0E-02	1.0E-02 *			
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
3,3',4,4',5-Tetrachlorobiphenyl (MG/KG)	10	2/17	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	01	0/3	1.0E-02	1.0E-02 *			
	02	2/15	1.0E-02	4.0E-02	1.2E-02	2.7E-03	1.7E-02
	03	9/14	6.0E-03	7.0E-02	2.0E-02	6.3E-03	3.1E-02
	04	6/20	7.0E-03	1.0E-02	8.0E-03	3.3E-04	8.6E-03
3,4,4',5-Tetrachlorobiphenyl (MG/KG)	06	0/3	1.0E-02	1.0E-02 *			
	18	1/15	1.0E-02	1.0E-02	1.0E-02		
	05	0/5	1.0E-02	1.0E-02 *			
	10	2/17	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	01	0/3	1.0E-02	1.0E-02 *			
3,4,4',5-Trichlorobiphenyl (MG/KG)	02	0/15	1.0E-02	1.0E-02 *			
	03	4/14	5.0E-03	1.0E-02	6.6E-03	8.2E-04	8.0E-03
	04	0/20	1.0E-02	1.0E-02 *			
	06	0/3	1.0E-02	1.0E-02 *			
	18	0/15	1.0E-02	1.0E-02 *			
3,4,4',5-Trichlorobiphenyl (MG/KG)	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
	03	5/14	6.0E-03	1.0E-02	7.1E-03	6.3E-04	8.3E-03
04	9/20	5.0E-03	1.0E-02	6.7E-03	5.5E-04	7.7E-03	

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
3,4,4'-Trichlorobiphenyl (MG/KG)	06	1/3	9.0E-03	1.0E-02 *	9.0E-03		
	18	1/15	1.0E-02	1.0E-02	1.0E-02		
	05	0/5	1.0E-02	1.0E-02 *			
	10	0/17	1.0E-02	1.0E-02 *			
3,4,5,3',4'-Pentachlorobiphenyl (MG/KG)	01	0/3	1.0E-02	1.0E-02 *			
	02	0/15	1.0E-02	1.0E-02 *			
	03	2/14	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	04	0/20	1.0E-02	1.0E-02 *			
Chlordane, total (MG/KG)	06	1/3	6.0E-03	1.0E-02 *	6.0E-03		
	18	0/15	1.0E-02	1.0E-02 *			
	05	0/5	1.0E-02	1.0E-02 *			
	10	7/19	6.2E-02	8.0E-02	6.9E-02	2.0E-03	7.3E-02
Lipids (PERCENT)	01	3/3	6.8E-02	9.0E-02	7.5E-02	7.3E-03	9.7E-02
	02	13/15	4.9E-02	7.7E-02	6.3E-02	2.6E-03	6.8E-02
	03	13/14	5.1E-02	1.3E-01	6.9E-02	5.9E-03	7.9E-02
	04	30/34	5.0E-02	9.0E-02	6.4E-02	1.9E-03	6.7E-02
Mercury (MG/KG)	06	3/3	5.3E-02	5.8E-02	5.6E-02	1.5E-03	6.0E-02
	18	13/17	5.4E-02	8.0E-02 *	6.0E-02	1.7E-03	6.3E-02
	05	6/9	5.6E-02	7.0E-02 *	6.2E-02	1.8E-03	6.5E-02
	10	19/19	1.0E-01	1.4E+01	7.8E+00	7.8E-01	9.2E+00
	01	3/3	2.8E+00	4.4E+00	3.5E+00	4.8E-01	4.9E+00
	02	15/15	1.2E+00	3.3E+01	1.3E+01	3.1E+00	1.8E+01
	03	14/14	3.0E-01	8.6E+00	4.2E+00	6.2E-01	5.2E+00
	04	34/34	5.0E-01	2.1E+01	6.2E+00	8.2E-01	7.6E+00
	06	3/3	3.3E+00	5.1E+00	4.2E+00	5.2E-01	5.7E+00
	18	17/17	3.0E-01	1.7E+01	6.7E+00	1.4E+00	9.2E+00
	05	9/9	4.0E-01	2.5E+01	6.9E+00	2.4E+00	1.1E+01
	10	0/0					
	01	0/0					
	02	0/3	2.0E-02	4.6E-02 *			
	03	0/0					

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Mercury (MG/KG)	04	3/3	4.7E-02	5.4E-02	5.1E-02	2.0E-03	5.7E-02
	06	0/0					
	18	0/0					
	05	0/0					
PCB-1016 (MG/KG)	10	0/19	1.0E-01	1.0E-01 *			
	01	0/3	1.0E-01	1.0E-01 *			
	02	1/15	9.0E-03	1.0E-01 *	9.0E-03		
	03	0/14	1.0E-01	1.0E-01 *			
	04	0/34	1.0E-01	1.0E-01 *			
	06	0/3	1.0E-01	1.0E-01 *			
	18	0/17	1.0E-01	1.0E-01 *			
	05	0/9	1.0E-01	1.0E-01 *			
PCB-1254 (MG/KG)	10	2/19	5.0E-02	1.0E-01 *	5.1E-02	8.6E-04	5.2E-02
	01	3/3	6.0E-02	8.0E-02	7.0E-02	5.8E-03	8.7E-02
	02	11/15	5.0E-02	3.0E-01	1.1E-01	1.8E-02	1.5E-01
	03	13/14	7.0E-02	4.2E-01	2.0E-01	3.4E-02	2.6E-01
	04	33/34	5.0E-02	3.0E-01	1.2E-01	1.1E-02	1.4E-01
	06	3/3	1.4E-01	1.6E-01	1.5E-01	5.8E-03	1.7E-01
	18	14/17	5.0E-02	2.0E-01	1.2E-01	1.3E-02	1.4E-01
	05	9/9	1.0E-02	3.0E-01	1.2E-01	2.9E-02	1.8E-01
PCB-1260 (MG/KG)	10	0/19	5.0E-02	1.0E-01 *			
	01	3/3	7.0E-02	2.1E-01	1.4E-01	4.0E-02	2.6E-01
	02	10/15	5.0E-02	6.0E-01	1.5E-01	3.8E-02	2.2E-01
	03	9/14	8.0E-02	1.2E+00	2.7E-01	9.1E-02	4.4E-01
	04	28/34	7.0E-02	3.3E-01	1.5E-01	1.3E-02	1.7E-01
	06	2/3	1.0E-01	1.5E-01	1.2E-01	1.9E-02	1.7E-01
	18	12/17	5.0E-02	5.0E-01	1.8E-01	3.5E-02	2.4E-01
	05	7/9	6.0E-02	2.0E-01	1.1E-01	1.9E-02	1.4E-01
	10	3/17	7.0E-03	1.0E-02	8.1E-03	8.3E-04	9.6E-03
alpha-Chlordane (MG/KG)	01	0/0					
	02	0/4	1.0E-02	1.0E-02 *			

Table D6. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
alpha-Chlordane (MG/KG)	03	0/1	1.0E-02	1.0E-02 *			
	04	1/2	1.0E-02	1.0E-02	1.0E-02		
	06	0/0					
	18	0/2	1.0E-02	1.0E-02 *			
	05	0/0					
cis-Nonachlor (MG/KG)	10	2/19	5.0E-03	1.0E-02	5.3E-03	3.6E-04	5.9E-03
	01	3/3	8.0E-03	1.0E-02	8.7E-03	6.7E-04	1.1E-02
	02	3/15	6.0E-03	1.0E-02 *	7.0E-03	5.8E-04	8.0E-03
	03	8/14	6.0E-03	3.0E-02	9.4E-03	1.9E-03	1.3E-02
	04	23/34	5.0E-03	1.0E-02	7.3E-03	3.6E-04	7.9E-03
	06	3/3	7.0E-03	8.0E-03	7.3E-03	3.3E-04	8.3E-03
	18	3/17	8.0E-03	1.0E-02 *	8.7E-03	3.3E-04	9.2E-03
	05	5/9	5.0E-03	1.0E-02 *	6.8E-03	5.8E-04	7.9E-03
	10	3/19	5.0E-03	1.0E-02 *	5.3E-03	3.3E-04	5.9E-03
	01	3/3	1.0E-02	2.0E-02	1.3E-02	3.3E-03	2.3E-02
gamma-Chlordane (MG/KG)	02	11/15	5.0E-03	1.0E-02	7.0E-03	3.5E-04	7.6E-03
	03	13/14	5.0E-03	4.0E-02	1.1E-02	2.5E-03	1.5E-02
	04	20/34	5.0E-03	1.0E-02	8.0E-03	3.8E-04	8.6E-03
	06	1/3	6.0E-03	1.0E-02 *	6.0E-03		
	18	9/17	7.0E-03	2.0E-02	8.8E-03	7.9E-04	1.0E-02
	05	2/9	8.0E-03	1.0E-02 *	8.5E-03	5.0E-04	9.4E-03
	10	5/19	5.0E-03	1.0E-02	6.2E-03	5.8E-04	7.2E-03
	01	3/3	2.0E-02	3.0E-02	2.3E-02	3.3E-03	3.3E-02
	02	8/15	6.0E-03	2.0E-02	1.0E-02	1.5E-03	1.3E-02
	03	13/14	7.0E-03	6.0E-02	1.7E-02	3.6E-03	2.3E-02
trans-Nonachlor (MG/KG)	04	28/34	6.0E-03	3.0E-02	1.3E-02	1.1E-03	1.5E-02
	06	3/3	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	18	9/17	5.0E-03	1.0E-02	7.1E-03	4.5E-04	7.9E-03
	05	4/9	7.0E-03	2.0E-02	9.1E-03	1.6E-03	1.2E-02

* Maximum Value is a Non-Detect

Table D7. Summary statistics for contaminant concentrations in mayflies.

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,4',5 Heptachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,2',3,3',4,4',5,6-Octachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,2',3,3',4,4',6-Heptachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,2',3,3',4,4'-Hexachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,2',3,3',4,5,5',6'-Octachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,2',3,3',4,6'-Hexachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,2',3,4',5',6-Hexachlorobiphenyl (MG/KG)	03.03	2/3	5.0E-03	5.9E-03	5.5E-03	2.3E-04	6.2E-03
	04.04	3/3	6.5E-03	8.0E-03	7.2E-03	4.3E-04	8.5E-03
	18	3/3	7.6E-03	8.5E-03	7.9E-03	2.8E-04	8.8E-03
2,2',3,4',5,5'-Hexachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,2',3,4,4',5',6-HeptaChlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			

Table D7. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,4,4',5,5'-Heptachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 3/3 3/3	5.0E-03 5.3E-03 6.2E-03	5.0E-03 * 5.9E-03 6.9E-03	5.7E-03 6.5E-03	2.0E-04 2.2E-04	6.3E-03 7.1E-03
2,2',3,4,5'-Pentachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 1/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 5.0E-03	5.0E-03 8.1E-03	7.8E-04	1.0E-02 1.5E-02 1.4E-02
2,2',3,5',6-Pentachlorobiphenyl (MG/KG)	03.03 04.04 18	3/3 3/3 3/3	6.7E-03 1.0E-02 1.1E-02	9.4E-03 1.4E-02 1.3E-02	1.2E-02 1.2E-02	1.2E-03 5.8E-04	1.0E-02 1.5E-02 1.4E-02
2,2',3,5'-Tetrachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *	5.0E-03 5.0E-03		
2,2',3,5,5',6-Hexachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *	5.0E-03 5.0E-03		
2,2',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 2/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.7E-03 5.0E-03 *	5.4E-03 1.1E-02 1.4E-02 1.6E-02	1.9E-04 5.8E-04 8.8E-04 6.7E-04	5.9E-03 1.3E-02 1.7E-02 1.8E-02
2,2',4,4',5-Pentachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *	1.1E-02 1.4E-02 1.6E-02		
2,2',4,5'-Tetrachlorobiphenyl (MG/KG)	03.03 04.04 18	3/3 3/3 3/3	8.5E-03 1.3E-02 1.5E-02	1.3E-02 1.9E-02 1.7E-02	1.1E-02 1.5E-02 1.6E-02	1.3E-03 1.9E-03 6.7E-04	1.4E-02 2.1E-02 1.8E-02 1.5E-02 2.3E-02 2.0E-02
2,2',5,5'-Tetrachlorobiphenyl (MG/KG)	03.03 04.04 18	3/3 3/3 3/3	9.6E-03 1.5E-02 1.7E-02	1.4E-02 2.1E-02 1.9E-02	1.2E-02 1.7E-02 1.8E-02	1.3E-03 1.9E-03 6.7E-04	
2,2',5-Trichlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *	5.0E-03 5.0E-03		
2,3',4',5'-Tetrachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *	5.0E-03 5.0E-03		

Table D7. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3',4',5'-Tetrachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,3',4,4',5'-Pentachlorobiphenyl (MG/KG)	03.03	1/3	5.0E-03	5.2E-03	5.2E-03		
	04.04	3/3	5.7E-03	7.3E-03	6.4E-03	4.7E-04	7.8E-03
	18	3/3	6.4E-03	7.5E-03	6.8E-03	3.5E-04	7.8E-03
2,3',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,3',4,4',5-Pentachlorobiphenyl (MG/KG)	03.03	3/3	5.2E-03	6.6E-03	5.9E-03	4.0E-04	7.1E-03
	04.04	3/3	7.1E-03	9.2E-03	8.0E-03	6.2E-04	9.8E-03
	18	3/3	8.0E-03	9.3E-03	8.5E-03	4.2E-04	9.7E-03
2,3',4,4'-Tetrachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,3,3',4',6-Pentachlorobiphenyl (MG/KG)	03.03	3/3	6.2E-03	8.3E-03	7.2E-03	6.1E-04	9.0E-03
	04.04	3/3	9.4E-03	1.2E-02	1.0E-02	8.7E-04	1.3E-02
	18	3/3	1.1E-02	1.2E-02	1.1E-02	3.3E-04	1.2E-02
2,3,3',4,4',5'-Hexachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	3/3	5.6E-03	6.2E-03	6.0E-03	2.0E-04	6.6E-03
	18	3/3	6.6E-03	7.3E-03	6.9E-03	2.2E-04	7.5E-03
2,3,3',4,4',5-Hexachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,3,3',4,4',6-Hexachlorobiphenyl (MG/KG)	03.03	1/3	5.0E-03	5.7E-03	5.7E-03		
	04.04	3/3	6.9E-03	8.1E-03	7.5E-03	3.5E-04	8.5E-03
	18	3/3	6.1E-03	9.0E-03	7.1E-03	9.7E-04	9.9E-03
2,3,3',4,4'-Pentachlorobiphenyl (MG/KG)	03.03	0/3	5.0E-03	5.0E-03 *			
	04.04	0/3	5.0E-03	5.0E-03 *			
	18	0/3	5.0E-03	5.0E-03 *			
2,3,4,2',4',5'-Hexachlorobiphenyl (MG/KG)	03.03	2/3	5.0E-03	6.9E-03	6.3E-03	3.5E-04	7.3E-03
	04.04	3/3	8.4E-03	1.0E-02	9.2E-03	4.6E-04	1.1E-02
	18	3/3	7.4E-03	1.1E-02	8.6E-03	1.2E-03	1.2E-02

Table D7. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3,4,4',5,6-Hexachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			
2,3,4,4',5-Pentachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			
2,3,4,5,3',4',5'-Heptachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			
2,4',5-Trichlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			
2,4,4'-Trichlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			
3,3',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *	8.4E-03 1.2E-02 1.2E-02	4.9E-04 1.2E-03 3.3E-04	9.9E-03 1.5E-02 1.3E-02
3,3',4,4'-Tetrachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			
3,4,4',5-Tetrachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			
3,4,4'-Trichlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			
3,4,5,3',4'-Pentachlorobiphenyl (MG/KG)	03.03 04.04 18	0/3 0/3 0/3	5.0E-03 5.0E-03 5.0E-03	5.0E-03 * 5.0E-03 * 5.0E-03 *			

Table D7. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
4,4'-DDD (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
4,4'-DDE (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
4,4'-DDT (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Aldrin (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Arsenic (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Chlordane, total (MG/KG)	03.03	3/3	2.7E-02	4.9E-02	3.4E-02	7.3E-03	5.6E-02
	04.04	3/3	2.6E-02	4.5E-02	3.3E-02	6.1E-03	5.1E-02
	18	3/3	2.9E-02	4.4E-02	3.5E-02	4.6E-03	4.8E-02
Dieldrin (MG/KG)	03.03	0/3	8.0E-02	8.0E-02 *			
	04.04	0/3	8.0E-02	8.0E-02 *			
	18	0/3	8.0E-02	8.0E-02 *			
Endosulfan (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Endosulfan I (MG/KG)	03.03	0/3	8.0E-02	8.0E-02 *			
	04.04	0/3	8.0E-02	8.0E-02 *			
	18	0/3	8.0E-02	8.0E-02 *			
Endosulfan II (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Endosulfan sulfate (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			

Table D7. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Endrin (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Endrin aldehyde (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Endrin ketone (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Heptachlor (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Heptachlor epoxide (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Lead (MG/KG)	03.03	3/3	7.0E-02	2.0E-01	1.2E-01	4.1E-02	2.4E-01
	04.04	2/3	4.0E-02	1.4E-01	7.2E-02	3.7E-02	1.8E-01
	18	2/3	4.0E-02	5.4E-02	5.0E-02	2.4E-03	5.7E-02
Lindane (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Mercury (MG/KG)	03.03	3/3	2.5E-02	2.9E-02	2.8E-02	1.3E-03	3.1E-02
	04.04	3/3	1.9E-02	2.6E-02	2.3E-02	2.2E-03	2.9E-02
	18	3/3	1.9E-02	2.5E-02	2.1E-02	1.9E-03	2.7E-02
Methoxychlor (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
PCB-1016 (MG/KG)	03.03	0/3	8.0E-02	8.0E-02 *			
	04.04	0/3	8.0E-02	8.0E-02 *			
	18	0/3	8.0E-02	8.0E-02 *			
PCB-1221 (MG/KG)	03.03	0/3	8.0E-02	8.0E-02 *			
	04.04	0/3	8.0E-02	8.0E-02 *			
	18	0/3	8.0E-02	8.0E-02 *			

Table D7. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
PCB-1232 (MG/KG)	03.03	0/3	8.0E-02	8.0E-02 *			
	04.04	0/3	8.0E-02	8.0E-02 *			
	18	0/3	8.0E-02	8.0E-02 *			
PCB-1242 (MG/KG)	03.03	0/3	8.0E-02	8.0E-02 *			
	04.04	0/3	8.0E-02	8.0E-02 *			
	18	0/3	8.0E-02	8.0E-02 *			
PCB-1248 (MG/KG)	03.03	0/3	8.0E-02	8.0E-02 *			
	04.04	0/3	8.0E-02	8.0E-02 *			
	18	0/3	8.0E-02	8.0E-02 *			
PCB-1254 (MG/KG)	03.03	3/3	8.5E-02	1.0E-01	9.4E-02	4.6E-03	1.1E-01
	04.04	3/3	1.2E-01	1.4E-01	1.3E-01	5.8E-03	1.5E-01
	18	3/3	1.3E-01	1.6E-01	1.4E-01	1.0E-02	1.7E-01
PCB-1260 (MG/KG)	03.03	0/3	8.0E-02	8.0E-02 *			
	04.04	0/3	8.0E-02	8.0E-02 *			
	18	0/3	8.0E-02	8.0E-02 *			
Silver (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Toxaphene (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
Zinc (MG/KG)	03.03	3/3	5.8E+01	7.3E+01	6.3E+01	4.9E+00	7.8E+01
	04.04	3/3	6.7E+01	8.9E+01	7.8E+01	6.5E+00	9.7E+01
	18	3/3	7.7E+01	8.1E+01	7.9E+01	9.8E-01	8.2E+01
alpha-BHC (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
alpha-Chlordane (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
beta-BHC (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			

Table D7. (continued)

Analyte	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95 % UCB
delta-BHC (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			
gamma-Chlordane (MG/KG)	03.03	0/3	4.0E-02	4.0E-02 *			
	04.04	0/3	4.0E-02	4.0E-02 *			
	18	0/3	4.0E-02	4.0E-02 *			

* Maximum value is a non-detect

Table D8. Summary statistics for contaminant concentrations in selected fish species. Species are striped/hybrid bass (SHBASS), carp (COCARP - composite samples), and white crappie (WHCRAP).

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,4',5 Heptachlorobiphenyl (MG/KG)	COCARP SHBASS	04	0/1	1.0E-02	1.0E-02 *			
		10	9/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		02	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		04	0/15	1.0E-02	1.0E-02			
		05	2/15	1.0E-02	5.0E-02	5.0E-02	0.0E+00	5.0E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
		10	7/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		02	4/15	7.0E-03	1.0E-02	7.6E-03	3.6E-04	8.2E-03
		04	0/15	1.0E-02	1.0E-02			
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (MG/KG)	WHCRAP	05	1/15	1.0E-02	3.0E-02	3.0E-02		
		04	1/1	1.0E-02	1.0E-02	1.0E-02		
		04	0/1	1.0E-02	1.0E-02 *			
		10	1/15	1.0E-02	1.0E-02	1.0E-02		
		02	8/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	COCARP SHBASS	04	0/15	1.0E-02	1.0E-02			
		05	2/15	1.0E-02	5.0E-02	4.1E-02	9.1E-04	4.2E-02
		04	1/1	1.0E-02	1.0E-02	1.0E-02		
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
2,2',3,3',4,4',5,6-Octachlorobiphenyl (MG/KG)	WHCRAP	02	1/15	1.0E-02	1.0E-02	1.0E-02		
		04	0/15	1.0E-02	1.0E-02			
		05	1/15	1.0E-02	3.0E-02	3.0E-02		
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
	COCARP SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	1/15	1.0E-02	1.0E-02	1.0E-02		
		04	0/15	1.0E-02	1.0E-02			
		05	1/15	1.0E-02	3.0E-02	3.0E-02		
		04	0/1	1.0E-02	1.0E-02 *			
2,2',3,3',4,4',6-Heptachlorobiphenyl (MG/KG)	WHCRAP	04	0/1	1.0E-02	1.0E-02			
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	2/15	6.0E-03	1.0E-02	6.3E-03	3.6E-04	6.9E-03
		04	5/15	1.0E-02	3.0E-02	1.3E-02	1.7E-03	1.6E-02
	COCARP SHBASS	05	4/15	1.0E-02	2.0E-02	1.1E-02	1.0E-03	1.3E-02
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	2/15	6.0E-03	1.0E-02	6.3E-03	3.6E-04	6.9E-03
		04	5/15	1.0E-02	3.0E-02	1.3E-02	1.7E-03	1.6E-02

Table D8. (continued)

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,3',4,4',4'-Hexachlorobiphenyl (MG/KG)	COCARP SHBASS	04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	9/15	1.0E-02	2.0E-02	1.1E-02	6.8E-04	1.2E-02
		04	6/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		05	10/15	1.0E-02	3.0E-02	1.3E-02	1.9E-03	1.7E-02
2,2',3,3',4,5,5',6'-Octachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
		10	1/15	1.0E-02	1.0E-02	1.0E-02		
		02	2/15	7.0E-03	1.0E-02	7.2E-03	2.7E-04	7.7E-03
		04	1/15	1.0E-02	3.0E-02	3.0E-02		
2,2',3,3',4,6'-Hexachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	05	2/15	1.0E-02	3.0E-02	2.1E-02	9.1E-04	2.2E-02
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
2,2',3,4',5',6'-Hexachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	04	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		05	3/15	1.0E-02	2.0E-02	1.1E-02	7.9E-04	1.2E-02
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
2,2',3,4',5,5',6'-Hexachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	02	15/15	1.0E-02	4.0E-02	2.7E-02	2.3E-03	3.1E-02
		04	4/15	1.0E-02	2.0E-02	1.1E-02	7.4E-04	1.2E-02
		05	9/15	1.0E-02	5.0E-02	1.7E-02	3.3E-03	2.2E-02
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
2,2',3,4',5,5',6'-Hexachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		04	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		05	10/15	1.0E-02	4.0E-02	1.4E-02	2.2E-03	1.8E-02
		04	0/1	1.0E-02	1.0E-02 *			

Table D8. (continued)

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,4,4',5',6-HeptaChlorobiphenyl (MG/KG)	COCARP SHBASS	04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	5/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		04	4/15	1.0E-02	2.0E-02	1.1E-02	7.4E-04	1.2E-02
		05	9/15	1.0E-02	4.0E-02	1.3E-02	2.1E-03	1.6E-02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	1/15	1.0E-02	1.0E-02	1.0E-02		
		04	6/15	1.0E-02	3.0E-02	1.3E-02	1.7E-03	1.6E-02
2,2',3,4,5'-Pentachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	05	3/15	1.0E-02	5.0E-02	1.3E-02	3.2E-03	1.9E-02
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
2,2',3,5',6-Pentachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	04	4/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		05	11/15	1.0E-02	3.0E-02	1.1E-02	1.4E-03	1.4E-02
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
2,2',3,5'-Tetrachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	02	1/15	1.0E-02	1.0E-02	1.0E-02		
		04	11/15	1.0E-02	4.0E-02	2.8E-02	2.0E-03	3.2E-02
		05	15/15	2.0E-02	2.6E-01	5.0E-02	1.6E-02	7.8E-02
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
2,2',3,5',6-Hexachlorobiphenyl (MG/KG)	WHCRAP COCARP SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		04	5/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		05	7/15	1.0E-02	2.0E-02	1.1E-02	7.0E-04	1.2E-02
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			

Table D8. (continued)

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',3,5,5',6-Hexachlorobiphenyl (MG/KG)	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	14/15	1.0E-02	3.0E-02	1.8E-02	1.8E-03	2.1E-02
		04	6/15	1.0E-02	2.0E-02	1.3E-02	1.3E-03	1.5E-02
		05	15/15	1.0E-02	4.0E-02	1.7E-02	2.1E-03	2.0E-02
		04	0/1	1.0E-02	1.0E-02 *			
2,2',4,4',5,5'-Hexachlorobiphenyl (MG/KG)	SHBASS	04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	15/15	3.0E-02	9.0E-02	6.9E-02	4.8E-03	7.8E-02
		04	3/15	1.0E-02	2.0E-02	1.1E-02	7.9E-04	1.2E-02
2,2',4,4',5-Pentachlorobiphenyl (MG/KG)	SHBASS	05	6/15	1.0E-02	1.0E-01	2.3E-02	6.8E-03	3.5E-02
		04	0/1	1.0E-02	1.0E-02 *			
		04	1/1	1.0E-02	1.0E-02	1.0E-02		
		10	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		02	1/15	1.0E-02	1.0E-02	1.0E-02		
2,2',4,5'-Tetrachlorobiphenyl (MG/KG)	SHBASS	04	13/15	1.0E-02	1.4E-01	9.2E-02	8.6E-03	1.1E-01
		05	15/15	8.0E-02	3.0E-01	1.1E-01	1.4E-02	1.4E-01
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
2,2',5,5'-Tetrachlorobiphenyl (MG/KG)	SHBASS	02	15/15	2.0E-02	3.0E-02	2.8E-02	1.1E-03	3.0E-02
		04	8/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		05	7/15	1.0E-02	3.0E-02	1.2E-02	1.5E-03	1.5E-02
		04	0/1	1.0E-02	1.0E-02 *			
		04	0/1	1.0E-02	1.0E-02 *			
2,2',5-Trichlorobiphenyl (MG/KG)	SHBASS	10	1/15	1.0E-02	1.0E-02	1.0E-02		
		02	14/15	1.0E-02	3.0E-02	2.1E-02	1.5E-03	2.3E-02
		04	8/15	1.0E-02	2.0E-02	1.3E-02	1.2E-03	1.5E-02
		05	10/15	1.0E-02	6.0E-02	1.8E-02	4.1E-03	2.5E-02
		04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	14/15	1.0E-02	3.0E-02	2.1E-02	1.5E-03	2.3E-02
		04	8/15	1.0E-02	2.0E-02	1.3E-02	1.2E-03	1.5E-02
		05	10/15	1.0E-02	6.0E-02	1.8E-02	4.1E-03	2.5E-02

Table D8. (continued)

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,2',5-Trichlorobiphenyl (MG/KG)	SHBASS	02	0/15	1.0E-02	1.0E-02			
		04	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		05	0/15	1.0E-02	1.0E-02			
2,3',4',5'-Tetrachlorobiphenyl (MG/KG)	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	1/15	1.0E-02	1.0E-02	1.0E-02		
		04	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
2,3',4',5-Tetrachlorobiphenyl (MG/KG)		05	5/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	7/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
2,3',4,4',5'-Pentachlorobiphenyl (MG/KG)		04	0/15	1.0E-02	1.0E-02			
		05	0/15	1.0E-02	1.0E-02			
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
2,3',4,4',5,5'-Hexachlorobiphenyl (MG/KG)		02	15/15	1.0E-02	3.0E-02	1.6E-02	1.6E-03	1.9E-02
		04	13/15	1.0E-02	5.0E-02	3.6E-02	2.9E-03	4.1E-02
		05	11/15	1.0E-02	5.0E-02	3.1E-02	2.7E-03	3.5E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
2,3',4,4',5-Pentachlorobiphenyl (MG/KG)	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	0/15	1.0E-02	1.0E-02			
		04	0/15	1.0E-02	1.0E-02			
		05	1/15	1.0E-02	2.0E-02	2.0E-02		
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
2,3',4,4',5-Pentachlorobiphenyl (MG/KG)	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	0/15	1.0E-02	1.0E-02			
		04	0/15	1.0E-02	1.0E-02			
		05	1/15	1.0E-02	2.0E-02	2.0E-02		
2,3',4,4',5-Pentachlorobiphenyl (MG/KG)	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	14/15	1.0E-02	3.0E-02	1.6E-02	1.6E-03	1.9E-02
		04	14/15	1.0E-02	3.0E-02	1.6E-02	1.6E-03	1.9E-02

Table D8. (continued)

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3',4,4',5-Pentachlorobiphenyl (MG/KG)	SHBASS	04	10/15	1.0E-02	6.0E-02	3.5E-02	2.2E-03	3.9E-02
	WHCRAP	05	15/15	2.0E-02	1.0E-01	3.6E-02	5.0E-03	4.5E-02
2,3',4,4'-Tetrachlorobiphenyl (MG/KG)	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	1/15	1.0E-02	1.0E-02	1.0E-02		
2,3,3',4',6-Pentachlorobiphenyl (MG/KG)		04	0/15	1.0E-02	1.0E-02			
	WHCRAP	05	2/15	1.0E-02	4.0E-02	3.1E-02	9.1E-04	3.2E-02
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	04	0/1	1.0E-02	1.0E-02 *			
		10	0/15	1.0E-02	1.0E-02			
		02	14/15	1.0E-02	4.0E-02	3.0E-02	2.8E-03	3.5E-02
2,3,3',4,4',5'-Hexachlorobiphenyl (MG/KG)	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	5/15	1.0E-02	3.0E-02	1.4E-02	2.1E-03	1.8E-02
2,3,3',4,4',5-Hexachlorobiphenyl (MG/KG)		05	13/15	1.0E-02	7.0E-02	2.1E-02	4.5E-03	2.9E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	5/15	1.0E-02	2.0E-02	1.1E-02	7.2E-04	1.2E-02
		05	14/15	1.0E-02	5.0E-02	1.5E-02	3.1E-03	2.1E-02
2,3,3',4,4',5-Hexachlorobiphenyl (MG/KG)	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	2/15	6.0E-03	1.0E-02	6.3E-03	3.6E-04	6.9E-03
2,3,3',4,4',6-Hexachlorobiphenyl (MG/KG)		04	8/15	1.0E-02	3.0E-02	1.5E-02	1.7E-03	1.8E-02
		05	14/15	1.0E-02	5.0E-02	2.1E-02	2.8E-03	2.6E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	1/15	1.0E-02	1.0E-02	1.0E-02	2.1E-04	8.6E-03
		02	3/15	8.0E-03	1.0E-02	8.3E-03		

Table D8. (continued)

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,3,3',4,4',6-Hexachlorobiphenyl (MG/KG)	SHBASS	05	0/15	1.0E-02	1.0E-02			
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
2,3,3',4,4',5-Pentachlorobiphenyl (MG/KG)	COCARP	04	1/1	1.0E-02	1.0E-02	1.0E-02		
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	2/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		04	0/15	1.0E-02	1.0E-02			
		05	0/15	1.0E-02	1.0E-02			
2,3,4,2',4',5'-Hexachlorobiphenyl (MG/KG)	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	1/1	6.0E-02	6.0E-02	6.0E-02		
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	0/15	1.0E-02	1.0E-02			
		04	13/15	1.0E-02	1.1E-01	7.2E-02	7.0E-03	8.4E-02
2,3,4,4',5-Pentachlorobiphenyl (MG/KG)		05	15/15	5.0E-02	1.8E-01	8.3E-02	7.8E-03	9.6E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	1/15	1.0E-02	1.0E-02	1.0E-02		
		02	15/15	1.0E-02	3.0E-02	2.1E-02	1.2E-03	2.3E-02
2,3,4,5,3',4',5'-Heptachlorobiphenyl (MG/KG)		04	11/15	1.0E-02	3.0E-02	2.4E-02	1.3E-03	2.6E-02
		05	15/15	2.0E-02	3.0E-02	2.4E-02	1.3E-03	2.6E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	4/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)		02	10/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		04	5/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		05	8/15	1.0E-02	2.0E-02	1.1E-02	6.9E-04	1.2E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02	1.0E-02		
		02	0/15	1.0E-02	1.0E-02	1.0E-02		
		04	11/15	1.0E-02	4.0E-02	2.9E-02	2.3E-03	3.3E-02
		05	15/15	1.0E-02	1.0E-01	3.5E-02	5.2E-03	4.4E-02

Table D8. (continued)

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
2,4,5,2',5'-Pentachlorobiphenyl (MG/KG)	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	1/1	2.0E-02	2.0E-02	2.0E-02		
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	8/15	1.0E-02	2.0E-02	1.3E-02	1.2E-03	1.5E-02
		04	13/15	1.0E-02	1.1E-01	4.6E-02	8.4E-03	6.1E-02
3,3',4,4'-Tetrachlorobiphenyl (MG/KG)		05	13/15	1.0E-02	2.1E-01	6.2E-02	1.4E-02	8.6E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
3,4,4',5-Tetrachlorobiphenyl (MG/KG)		04	11/15	1.0E-02	3.0E-02	1.9E-02	2.3E-03	2.3E-02
		05	15/15	1.0E-02	6.0E-02	2.5E-02	2.9E-03	3.0E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	0/15	1.0E-02	1.0E-02			
3,4,4'-Trichlorobiphenyl (MG/KG)		02	1/15	1.0E-02	1.0E-02	1.0E-02		
		04	3/15	1.0E-02	1.0E-02	1.0E-02	0.0E+00	1.0E-02
		05	8/15	1.0E-02	2.0E-02	1.1E-02	6.9E-04	1.2E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
3,4,5,3',4'-Pentachlorobiphenyl (MG/KG)	SHBASS	10	0/15	1.0E-02	1.0E-02			
		02	0/15	1.0E-02	1.0E-02			
		04	0/15	1.0E-02	1.0E-02			
		05	2/15	1.0E-02	2.0E-02	1.1E-02	9.1E-04	1.2E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
Chlordane, total (MG/KG)	COCARP	04	1/1	6.0E-02	6.0E-02	6.0E-02		
	SHBASS	10	10/15	5.6E-02	8.0E-02	6.1E-02	1.8E-03	6.4E-02
		02	15/15	1.0E-01	1.7E-01	1.4E-01	4.2E-03	1.5E-01
		04	15/15	5.9E-02	1.2E-01	1.0E-01	4.4E-03	1.1E-01
		05	14/15	6.0E-02	2.1E-01	1.1E-01	7.7E-03	1.3E-01
	WHCRAP	04	1/1	5.9E-02	5.9E-02	5.9E-02		

Table D8. (continued)

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
Lipids (PERCENT)	COCARP	04	1/1	2.4E+01	2.4E+01	2.4E+01		
	SHBASS	10	13/15	1.0E-01	1.4E+01	8.6E+00	1.0E+00	1.0E+01
		02	15/15	7.5E+00	1.3E+01	1.0E+01	4.4E-01	1.1E+01
		04	15/15	2.6E+00	1.2E+01	8.4E+00	9.0E-01	1.0E+01
		05	15/15	2.5E+00	2.1E+01	1.0E+01	1.2E+00	1.3E+01
PCB-1254 (MG/KG)	WHCRAP	04	1/1	6.0E-01	6.0E-01	6.0E-01		
	COCARP	04	1/1	2.0E-01	2.0E-01	2.0E-01		
	SHBASS	10	4/15	5.0E-02	1.0E-01	5.7E-02	5.0E-03	6.6E-02
		02	15/15	4.0E-01	8.0E-01	5.6E-01	2.9E-02	6.1E-01
		04	15/15	3.0E-01	6.0E-01	4.5E-01	2.2E-02	4.9E-01
PCB-1260 (MG/KG)	WHCRAP	05	15/15	4.0E-01	1.0E+00	5.1E-01	3.8E-02	5.7E-01
		04	1/1	6.0E-02	6.0E-02	6.0E-02		
	COCARP	04	1/1	5.0E-01	5.0E-01	5.0E-01		
	SHBASS	10	3/15	5.0E-02	1.0E-01	5.7E-02	5.4E-03	6.6E-02
		02	15/15	2.0E-01	6.0E-01	3.9E-01	2.7E-02	4.3E-01
cis-Nonachlor (MG/KG)		04	15/15	4.0E-01	9.0E-01	6.9E-01	4.0E-02	7.6E-01
	WHCRAP	05	15/15	6.0E-01	1.4E+00	8.1E-01	4.8E-02	8.9E-01
		04	1/1	2.0E-01	2.0E-01	2.0E-01		
	COCARP	04	0/1	1.0E-02	1.0E-02 *			
	SHBASS	10	3/15	9.0E-03	1.0E-02	9.1E-03	1.1E-04	9.3E-03
gamma-Chlordane (MG/KG)		02	15/15	2.0E-02	4.0E-02	2.9E-02	1.2E-03	3.1E-02
		04	15/15	6.0E-03	2.0E-02	1.1E-02	9.9E-04	1.3E-02
		05	13/15	1.0E-02	4.0E-02	1.7E-02	2.1E-03	2.1E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			
	COCARP	04	1/1	1.0E-02	1.0E-02	1.0E-02		
trans-Nonachlor (MG/KG)	SHBASS	10	2/15	7.0E-03	1.0E-02	7.5E-03	5.0E-04	8.4E-03
		02	15/15	2.0E-02	4.0E-02	3.0E-02	9.8E-04	3.2E-02
		04	13/15	1.0E-02	3.0E-02	2.3E-02	1.2E-03	2.5E-02
		05	13/15	1.0E-02	4.0E-02	2.4E-02	1.6E-03	2.7E-02
	WHCRAP	04	1/1	9.0E-03	9.0E-03	9.0E-03		
	COCARP	04	1/1	1.0E-02	1.0E-02	1.0E-02		

Table D8. (continued)

Analyte	Species	Sub reach	Frequency of Detects	Minimum	Maximum	PLE Mean	Standard Error	95% UCB
trans-Nonachlor (MG/KG)	SHIBASS	10	10/15	1.0E-02	3.0E-02	1.3E-02	1.6E-03	1.5E-02
		02	15/15	3.0E-02	6.0E-02	4.9E-02	2.7E-03	5.4E-02
		04	15/15	9.0E-03	5.0E-02	3.7E-02	3.2E-03	4.3E-02
		05	14/15	1.0E-02	1.0E-01	4.4E-02	4.5E-03	5.2E-02
	WHCRAP	04	0/1	1.0E-02	1.0E-02 *			

* Maximum value is a non-detect