Chemical Constituents in Sediment in Lake Pontchartrain and in Street Mud and Canal Sediment in New Orleans, Louisiana, Following Hurricanes Katrina and Rita, 2005

By Peter C. Van Metre, Jennifer T. Wilson, Arthur J. Horowitz, Stanley C. Skrobialowski, William T. Foreman, Christopher C. Fuller, Mark R. Burkhardt, Kent A. Elrick, Barbara J. Mahler, James J. Smith, and Steven D. Zaugg

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Conversion Factors, Abbreviations, and Horizontal Datum

SI to Inch/Pound

Multiply	By	To obtain
	Length	
centimeter (cm)	0.3937	inch (in.)
kilometer (km)	0.6214	mile (mi)
meter (m)	1.094	yard (yd)
micrometer (µm)	3.937×10^{-5}	inch (in.)
millimeter (mm)	0.03937	inch (in.)
	Area	
square centimeter (cm^2)	0.1550	square inch (in^2)
square kilometer (km^2)	0.3861	square mile (mi^2)
square meter (m^2)	10.76	square foot (ft^2)
	Volume	
liter (L)	0.2642	gallon (gal)
milliliter (mL)	0.034	fluid ounce (fl oz)
	Mass	
gram (g)	0.03527	ounce avoidupois (oz advp)
milligram (mg)	3.527×10^{-5}	ounce avoidupois (oz advp)
	Pressure	
kilopascal (kPa)	0.1450	pound-force per square inch (lbf/in^2)

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = 1.8\ °C + 32$$

Abbreviations:

disintegrations per minute per gram, dpm/g

kiloelectronvolt, keV

milligram per kilogram, mg/kg

milligram per liter, mg/L

picocuries per gram, pCi/g

Datum

Horizontal coordinate information is referenced to the North American Datum of 1983 (NAD 83).

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Abstract

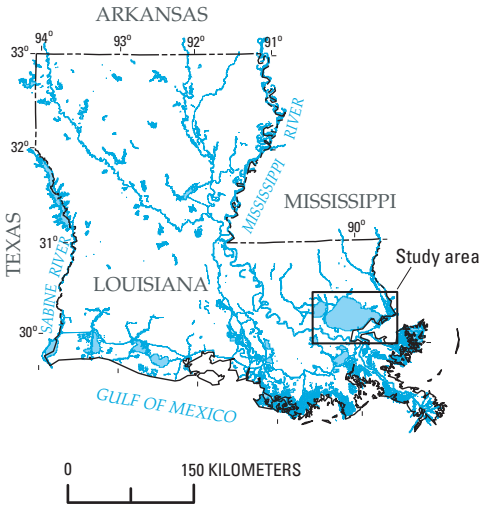
Samples of street mud, suspended and bottom sediment in canals discharging to Lake Ponchartrain, and suspended and bottom sediment in the lake were collected and analyzed for chemical constituents to help evaluate the effects of Hurricanes Katrina and Rita and the subsequent unwatering of New Orleans, Louisiana. The approach used for sampling and analysis of chemical data for the study is presented herein. Radionuclides, major and trace elements, and numerous organic compounds in sediment were analyzed. The organic compounds include organochlorine pesticides, polychlorinated biphenyls, polycyclic aromatic hydrocarbons, urban waste indicator compounds, and current-use pesticides. Methods for the analysis of urban waste indicator compounds and current-use pesticides in sediment were developed only recently.

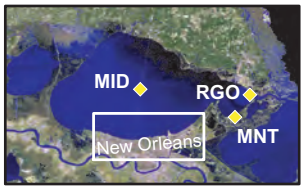
Introduction

Hurricane Katrina made landfall on the U.S. Gulf Coast near Buras, La. (about 75 kilometers southeast of New Orleans, La. [fig. 1]), early Monday, August 29, 2005. Sustained winds during landfall were estimated at 204 kilometers per hour, making the storm a strong Category 3 hurricane. The tidal surge at New Orleans was 3 to 3.5 meters (Graumann and others, 2005). The impact of Hurricane Katrina on New Orleans was exacerbated by the city's location on drained wetlands in the Mississippi Delta and by decades of subsidence. Levees protect the city to the north and south, and canals, aided by large pumping stations, help drain stormwater from the city. The tidal surge from Hurricane Katrina caused the failure of several levees along the canals, and floodwater covered about 75 percent of the city with a maximum volume of floodwater equivalent to about 7 percent of the volume of Lake Pontchartrain (U.S. Geological Survey, 2005). Water depths in some neighborhoods were as much as 3.5 meters, and sediment accompanying the floodwater left extensive mud deposits in some parts of the city. Sediment-laden floodwater was pumped out of the city, mostly into Lake Pontchartrain, during the weeks following Hurricane Katrina.

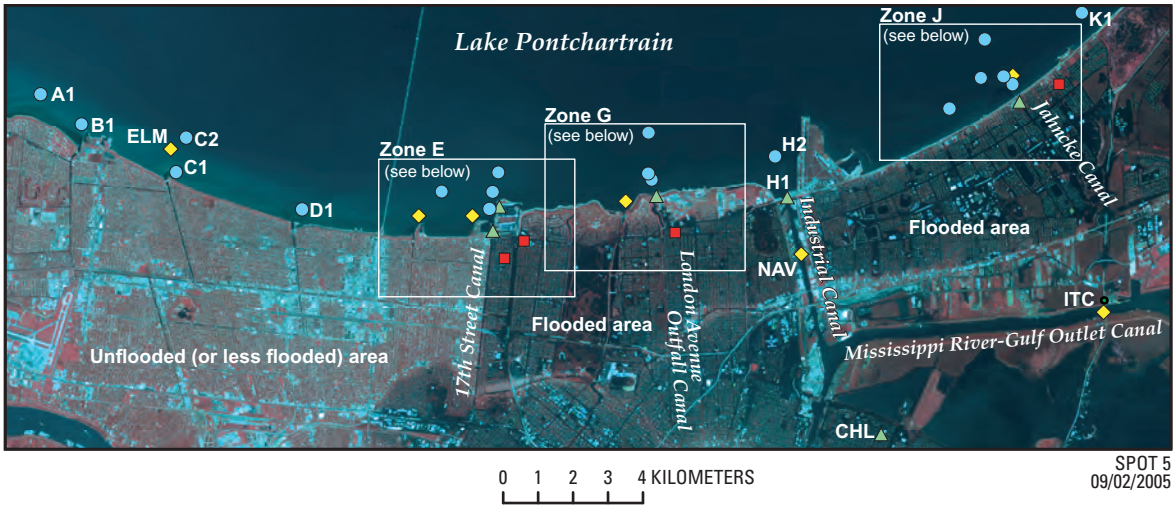
On September 24, 2005, rain and a tidal surge from Hurricane Rita reopened a levee breach on the Inner Harbor Navigation Canal (commonly known as the Industrial Canal), and parts of the city reflooded. Much of this additional floodwater was pumped out during the following week. Potential contamination associated with the inundation of numerous urban contaminant sources (for example, sewers, sewage-treatment facilities, gasoline stations, automobiles, industrial facilities, commercial buildings, and houses), as well as inundation of historically contaminated soils (Mielke and others, 2004), raised concerns for potential effects on human health in New Orleans and adverse effects on Lake Pontchartrain from floodwater pumped into the lake.

Lake Pontchartrain is a large, shallow estuary with a surface area of 1,630 square kilometers and an average depth of about 4 meters. It is connected to the Gulf of Mexico by open channels on the southeast side, and the water is brackish. Wind, waves, and tidal fluctuations can resuspend bottom sediment; subsequent sediment redistribution largely is controlled by wind strength and direction (Signell and others, 2002). Along the south side of the lake, adjacent to New Orleans, sediment transport predominantly is parallel to shore and often to the west, as shown by the plume discharging from the Jahncke Canal (fig. 1) on September 13, 2005. Because water depths are shallow and mixing of relatively fresh canal water and brackish lake water is infrequent (Penland and others, 2002), fine-grained sediment discharged from the canals could be distributed widely in the lake. Material remaining in suspension ultimately discharges to the Gulf of Mexico.

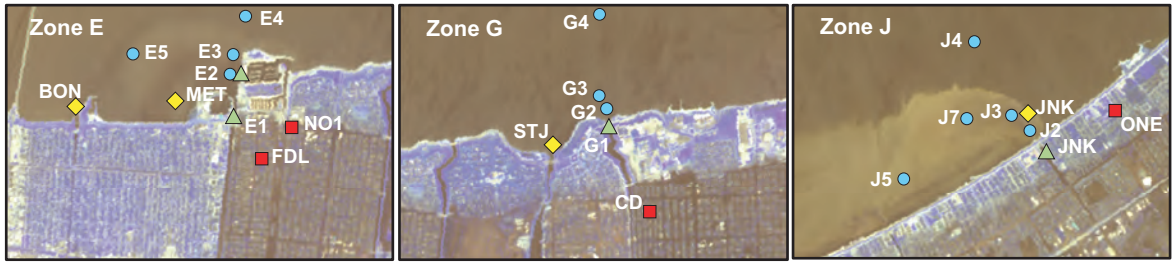




Louisiana Oil Spill Coordinator's Office (LOSCO), 1999



SPOT 5
09/02/2005



Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)
09/13/2005

EXPLANATION

Sample type and ID

- CD ■ Street mud
- JNK △ Suspended sediment
- A1 ○ Bottom sediment (core)
- BON ◇ Bottom sediment (grab)

Figure 1. Locations of sampling sites in Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita.

This report documents sampling and analytical methods used in the study and measured concentrations of radionuclides, major and trace elements, and numerous organic compounds in sediment from New Orleans and Lake Pontchartrain. Samples of street mud, suspended and bottom sediment in canals discharging to the lake, and suspended and bottom sediment in the lake were collected by the U.S. Geological Survey (USGS) and analyzed for numerous chemical constituents. Concentrations of selected chemical constituents are compared to sediment-quality guidelines (SQGs). Interpretations of data listed in this report are presented in Van Metre and others (2006).

Approach

The sampling design was based on models of Lake Pontchartain sediment transport and deposition (Signell and others, 2002), locations of major canals, locations of pumping stations, locations of levee breaches, and observations and satellite imagery of sediment plumes in the lake caused by canal discharge. Types of sampling sites were designed and locations selected (fig. 1; table 1, at end of report) to characterize the sources (street mud—four sites); transport (suspended sediment—four sites on canals, one site in the lake, and one site in a flooded neighborhood); and fate (bottom sediment—two sites on canals and 27 sites in the lake) of sediment-associated contaminants pumped with floodwater from the city. Site selection focused on three canals that discharged large amounts of floodwater to the lake (fig. 1, zones E, G, and J). Bottom sediment samples also were collected offshore from other canals, near the middle of the lake (MID), and at the outlet to the Gulf of Mexico (RGO and MNT). All samples were collected between September 20 and October 21, 2005, after Hurricane Katrina (August 29, 2005) and before and after Hurricane Rita (September 24, 2005).

Sampling Methods

Street-mud samples were collected from four sites (fig. 1; table 1). Sample NO1 (zone E) was a composite of two 125-milliliter grab samples collected 1 meter apart; the three other samples were composites of nine grab samples collected from areas of about 100 square meters.

Suspended-sediment samples (fig. 1; table 1) were collected from four canals, from offshore of the mouth of one canal and from a flooded street in the lower Ninth Ward. The samples were obtained by using a peristaltic pump to transfer water from about 0.3 meter below the water surface into precleaned polycarbonate containers. The suspended-sediment samples from the mouth of the Metairie Outfall Canal (commonly known as the 17th Street Canal) collected on September 20, 2005 (E1 and E2), were from a layer of less saline, low dissolved oxygen (about 1.0 milligram per liter) water that was assumed to be dominated by canal discharge. Sample volumes ranged from 50 to 140 liters. Sediment for elemental analysis was isolated by filtration using 0.45-micrometer Teflon filters held in a 140-millimeter diameter acrylic filter holder (Mahler and Van Metre, 2003) or, in two cases, by flow-through centrifugation (Horowitz and others, 2001). Sediment for organic-compound analyses was isolated by filtration using 0.45-micrometer Teflon filters held in a 293-millimeter-diameter stainless-steel filter holder (Mahler and Van Metre, 2003).

Bottom-sediment samples (fig. 1; table 1) were collected at 19 sites using a 14- by 14-centimeter, 20-centimeter-tall stainless-steel box corer with a polycarbonate liner and at 10 sites using a stainless-steel Ekman grab sampler. The surface layer (1 to 2 centimeters) was sliced off the top of the box cores using a stainless-steel plate or Teflon-coated spatula. Sediment was transferred to either a polycarbonate jar (inorganic analyses) or baked glass jar (organic analyses). At sites E4 and H2, deeper sediment was obtained from box cores by vertically extruding the core and slicing intervals with a stainless-steel plate; selected samples were analyzed for radionuclides and major and trace elements.

Analytical Methods

Chemical analyses included radionuclides, major and trace elements, and organic compounds. Quality-assurance samples were analyzed with each set of environmental samples for all constituents except radionuclides (table 2, at end of report), which used different quality-assurance methods. Each sample set number can be used to match the sample set with the corresponding quality-assurance results grouped at the bottom of tables 3–7 (at end of report). Descriptions of the analytical methods follow.

Radionuclides

Selected freeze-dried sediment samples were analyzed for radionuclides (table 2) at the USGS National Research Program laboratory in Menlo Park, Calif. Cesium-137 (^{137}Cs), lead-210 (^{210}Pb), and radium-226 (^{226}Ra) were measured to estimate sediment accumulation rates. The short-lived radionuclides beryllium-7 (^{7}Be) (53.3-day half-life) and thorium-234 (^{234}Th) (24.1-day half-life) were measured as indicators of sediment mixing and recent deposition. Activities of total ^{137}Cs, ^{210}Pb, ^{226}Ra, ^{7}Be, and ^{234}Th were measured simultaneously by gamma spectrometry on the basis of American Society of Testing and Materials standards C 1402-98 and E 181-98, similar to methodology described by Robbins and Edgington (1976), Baskaran and Naidu (1995), and Fuller and others (1999). Subsamples of freeze-dried sediment samples were counted using a high-resolution intrinsic germanium detector gamma spectrometer. Two spectrometers were used, each with different detector geometry: (1) well detector, in which

the sample is placed in a borehole in the detector; and (2) axial detector, in which the sample is place on top of the detector housing. Samples were sealed in 7-milliliter polyethylene scintillation vials or in 30- or 60-milliliter polypropylene wide-mouth jars. The supported ^{210}Pb activity, defined by the ^{226}Ra activity, was determined on each sample from the 352- and 609-kiloelectronvolt gamma emission lines of lead-214 (^{214}Pb) and bismuth-214 (^{214}Bi), respectively, short-lived daughters of ^{226}Ra. The supported activity of ^{234}Th, defined by its parent uranium-238 (^{238}U), was determined by reanalyzing samples after 5 half-lives or more have elapsed. Self-absorption of the gamma emission line for each isotope was accounted for using an attenuation factor for each counting container calculated from an empirical relation between self-absorption and bulk density developed for this geometry on the basis of the method of Cutshall and others (1983). Self-absorption of the ^{214}Pb, ^{214}Bi, and ^{7}Be and the 661.5-kiloelectronvolt gamma emission lines of ^{137}Cs was negligible for the well detector samples. Detector efficiency for each isotope except ^{7}Be was determined from National Institute of Standards and Technology (NIST) traceable standards. NIST and International Atomic Energy Agency (IAEA) reference materials were counted monthly to check detector calibration. Because of the short half-life of ^{7}Be, calibration standards are not readily available. Instead, the detector efficiency for the 477-kiloelectronvolt emission line of ^{7}Be was determined using the actinium-228 emission at 463 kiloelectronvolt from an IAEA thorium ore certified reference material. This approach assumes no substantial difference in detector efficiency over this narrow energy range. The reported uncertainty in the measured activity, calculated from the random counting error of samples and background spectra at 1 standard deviation, typically was within ±10 percent. The measured activities of replicate analysis of material from the same sample agreed to within ±15 percent. Measured activities of ^{7}Be were decay-corrected for the period between sample collection and analyses. Decay correction for unsupported ^{234}Th was not necessary because the samples had no measurable unsupported activity as determined by reanalysis of samples after 5 half-lives or more had lapsed.

Major and Trace Elements

Freeze-dried sediment samples were analyzed for a suite of major and trace elements, total carbon, total organic carbon, and total nitrogen (table 3). The analyses of all elements, except total carbon, total organic carbon, and total nitrogen, were done following modifications of the procedures of Horowitz and others (1989). For all elements except antimony, arsenic, mercury, and selenium, 250- or 500-milligram aliquots were digested with a combination of hydrofluoric acid/perchloric acid/aqua regia in Teflon beakers at 200 degrees Celsius (°C); the resulting salts were solubilized using 50 milliliters of 0.5-percent nitric acid. Cadmium, lead, and silver concentrations were determined by flame atomic absorption spectrometry (AAS) using a flame ionization tube, mixed salt standards, and background correction. All other elements were analyzed by simultaneous inductively coupled plasma-atomic emission spectroscopy (ICP–AES) with an axial torch, using inter-element correction factors. Aliquots from the same digestion solutions were used for the determination of antimony, arsenic, and selenium, but final solutions were made up in 50-percent hydrochloric acid. Selenium was determined on the digestate (in 50-percent hydrochloric acid); antimony and arsenic were determined after the addition of an oxalic acid/hydroxylamine solution with subsequent reduction. Determination of selenium was by hydride generation AAS, whereas antimony and arsenic were by hydride generation ICP–AES. Mercury was analyzed using separate 250- or 500-milligram aliquots digested with LeFort aqua regia at 100 °C with quantitation by cold vapor employing an AAS as the detector.

Total carbon and total nitrogen were determined on 100- to 200-milligram sample aliquots by the evolution (combustion) of both carbon dioxide and mixed nitrogen oxides using a carbon/nitrogen analyzer with a thermal conductivity detector. Total organic carbon was determined by analyzing sample aliquots pretreated with 10-percent hydrochloric acid to remove inorganic carbonates prior to the analysis, by the evolution (combustion) of carbon dioxide using a carbon/sulfur analyzer with an infrared detector.

Analytical precision and bias were monitored by the replicate analyses of 10 percent of the samples (precision) and by the concomitant digestion and analysis of various NIST and USGS reference materials (precision and bias), and found to be similar to those reported in Horowitz and Elrick (1985), Elrick and Horowitz (1985, 1987), and Horowitz and others (1989). Precision typically was ±10 percent or better; no bias was detected. However, when sediment-associated elemental concentrations approached the laboratory reporting levels, precision could be as low as ±100 percent.

Organic Compounds

Analyses included organochlorine pesticides, polychlorinated biphenyls (PCBs) (table 4), polycyclic aromatic hydrocarbons (PAHs) (table 5), urban waste indicator (UWI) compounds (table 6), and current-use pesticides (table 7). In some cases, compounds were quantified by more than one method.

Chlorinated Hydrocarbons and Polycyclic Aromatic Hydrocarbons

Organochlorine pesticides, PCBs, PAHs, and alkyl-substituted PAHs (alkyl-PAHs) were extracted, isolated, and analyzed using the procedures of Noriega and others (2003) and Olson and others (2003). Wet bottom sediment was extracted overnight with in a Soxhlet apparatus. Two aliquots of the sample extract were quantitatively injected into a

polystyrene-divinylbenzene gel permeation column (GPC) and eluted with dichloromethane to remove sulfur and partially isolate the target analytes. Eluent from the first aliquot was analyzed for PAHs and alkyl-PAHs by capillary-column gas chromatography (GC) with detection by full-scan mass spectrometry (MS) or by selected ion monitoring MS. Nineteen parent PAHs, 10 specific alkyl-PAHs, and the homologous series of alkyl-PAHs for 2- to 5-ringed PAH were determined. Total PAH refers to the summation used by MacDonald and others (2000) for the probable effect concentration (PEC), an SQG, and hereinafter is designated as ΣPAH_{SQG}. Eluent from the second GPC aliquot was split into two fractions by combined alumina/silica adsorption chromatography followed by Florisil adsorption chromatography for further cleanup of the second fraction. Both fractions were analyzed by dual capillary-column GC with electron capture detection for the determination of the organochlorine pesticides and PCBs. PCBs were quantified as individual Aroclor (1016/1242, 1254, or 1260) equivalents and as 27 specific congeners.

Quality assurance for organic-compound analyses by these methods was provided by analyzing an environmental duplicate sample split at the laboratory, laboratory reagent blanks, and spiked reagent samples with each set of 12 environmental samples, and by monitoring recovery of surrogate compounds in all samples. Although the methods were the same for street mud, suspended sediment, and bottom sediment, sample mass was much smaller for suspended-sediment samples, thus affecting laboratory reporting levels and precision and limiting the number of duplicates analyzed. Van Metre and others (2004) reported that the median relative percent difference (RPD) using these methods for sediment core samples for chlorinated hydrocarbons was 11.8 percent for 41 lab duplicate samples and for PAHs was 11.9 percent for 40 lab duplicate samples.

Urban Waste Indicator Compounds

The UWI analytical method measures a diverse suite of organic compounds that reflects urban non-point sources and wastewater inputs to surface waters (Kolpin and others, 2002); methods for analysis of UWI compounds in sediment were developed only recently (Burkhardt, ReVello, and others, 2005; Burkhardt, Zaugg, and others, 2006). The compounds measured by the UWI method fall into four groups: PAHs and related compounds, fecal and sewage indicator compounds, industrial chemicals, and pesticides and other household chemicals. Wet bottom sediment was extracted twice, using isopropanol/water mixtures on a commercially available accelerated solvent extraction (ASE) system. These extracts were then diluted and method compounds were extracted from the buffer solution using solid-phase extraction (SPE) cartridges. A mixture of dichloromethane/diethyl ether was used to elute the method compounds from the SPE cartridge and passed through a 1-gram Florisil SPE column. These SPE extracts were reduced in volume and fortified with internal injection standards. The sample extracts were analyzed for 61 compounds by capillary-column GC with detection by full-scan MS.

The UWI compounds were reported as individual compounds except for the nonylphenols and octylphenols, which were reported as estimated concentrations because the reference standards are from technical mixtures. The ASE is a more vigorous extraction technique than the dichloromethane-Soxhlet extraction used for the chlorinated hydrocarbons and PAHs. As a result, analytical results from the two methods are not comparable. Quality assurance was provided by analyzing an environmental duplicate sample split at the laboratory, laboratory reagent blanks, and spiked reagent samples, and by monitoring recovery of surrogate compounds in all samples. Burkhardt, ReVello, and others (2005) reported that the median precision using this method for PAHs on a standard reference material was 102 ±11.1 percent. Median recovery for spiked sand samples included with environmental samples for all UWI compounds was 76 percent for this study. Although the methods were the same for the street-mud, suspended-sediment, and bottom-sediment samples, small sample mass for suspended-sediment samples affected laboratory reporting levels and precision and limited the number of duplicates analyzed. Five environmental duplicate samples analyzed for UWI compounds for this study had a median RPD of 22 percent for the 19 analyte pairings detected. An acceptable range of RPDs for this method has not been established because this is a recently developed analytical method.

Current-Use Pesticides

Sediment samples were extracted with 25-percent acetone in dichloromethane in an ASE system at 100 °C under pressurized conditions (10,342 kilopascals). Resultant extracts were dried with sodium sulfate, reduced in volume, and exchanged to ethyl acetate using Kuderna-Danish distillation and nitrogen gas evaporation. The extract was introduced to a graphitized carbon SPE column and eluted with a 50-percent dichloromethane in ethyl acetate solution. The eluent was reduced and the analytes were further isolated from elemental sulfur by GPC using ethyl acetate mobile phase. The GPC fraction was reduced and a procedural internal standard solution of perdeuterated PAHs was added to the extract before final solvent reduction and exchange to toluene. Sixty-three analytes in the extract were determined by GC/MS operated in the selected-ion monitoring mode using procedures described in Zaugg and others (1995), Sandstrom and others (2001), and Madsen and others (2003); 62 of the analytes were determined by those filtered-water methods.

Quality assurance for current-use pesticide analyses by these methods was provided by analyzing an environmental duplicate sample split at the laboratory, laboratory reagent blanks, and spiked reagent samples with each set of 3 to 20 environmental samples, and by monitoring recovery of surrogate compounds in all samples. Thirty of the 63 method analytes exhibited acceptable performance (between 60 and 120 percent median recovery and no more than 25 percent relative

standard deviation) in 21 reagent spikes. Concentrations of the 33 other analytes, if detected, are reported as estimated because of greater bias or variability or recognized GC thermal instability (Foreman and others, 2005). Median recovery was 81 percent for all analytes in the five reagent spikes analyzed with environmental samples for this study. Four environmental duplicate samples analyzed for current-use pesticides for this study had a median RPD of 9 percent for the six analyte pairings detected.

Summary of Chemical Constituents in Sediment

Constituents from six major chemical groups were measured: radionuclides, major and trace elements, organochlorine pesticides and PCBs, PAHs, UWI compounds, and current-use pesticides. The results of the chemical analyses are presented in tables 2–7. Interpretations of data listed in this report are presented in Van Metre and others (2006). In general, concentrations were much higher in street mud and suspended sediment than in lake bottom sediment, and concentrations among the lake bottom-sediment samples were highest near the 17th Street Canal.

The consensus-based SQGs of MacDonald and others (2000) are listed for inorganic and organic constituents below the analytical results (tables 3, 4, and 5). Two SQGs are listed—the threshold effect concentration (TEC) and probable effect concentration (PEC). The TEC represents the concentration in freshwater sediment below which adverse effects to benthic biota occur rarely, and the PEC represents the concentration in freshwater sediment above which adverse effects are expected to occur frequently. The consensus-based SQGs are used as screening-level benchmarks and do not provide evidence for actual toxicity to aquatic organisms or humans as a result of exposure to the sediment samples collected for this study. Consensus-based SQGs are recommended for individual constituents and sums of organochlorine pesticides, PCBs, and PAHs. Total DDT is defined as the sum of *p,p'*-DDD, *p,p'*-DDE, and *p,p'*-DDT. Total PCB Aroclors is the sum of PCB Aroclors 1016/124, 1254, and 1260. Total PCB congeners is the sum of the 27 PCB congeners reported by the laboratory, ranging from PCB 8 to PCB 206. Total-SQG PAH (ΣPAH_{SQG}) is the sum of 13 PAHs: acenaphthene, acenaphthylene, anthracene, fluorene, 2-methylnaphthalene (substitute C1–128 isomers, methylated naphthalenes in our calculations), naphthalene, phenanthrene, benz(*a*)anthracene, dibenzo(*a,h*)anthracene, benzo(*a*)pyrene, chrysene, fluoranthene, and pyrene (Ingersoll and others, 2000; MacDonald and others, 2000). In all summations of the analytical results, nondetections were assigned a value of zero and estimated values were used at the concentration reported.

Field observations and radionuclide activities indicate sediment redistribution and deposition resulting from Hurricanes Katrina and Rita. Sediment that was recently in contact with the atmosphere was identified by the presence of ^{7}Be (table 2). ^{7}Be is a short-lived, naturally occurring radionuclide that is useful for dating sediment to about 1 year. The presence of ^{7}Be in a bottom-sediment core is an indication that the sediment was in contact with the atmosphere within the past year (Holmes, 1998). Activities of ^{7}Be greater than 3 disintegrations per minute per gram were detected in samples collected after Hurricane Katrina but before Hurricane Rita from sites E2 and E3 in front of the 17th Street Canal and from site H2 in front of the Industrial Canal. ^{7}Be was detected throughout the entire thickness of the core collected at site H2 after Hurricane Rita.

In general, trace element and nutrient concentrations were higher in street-mud samples and suspended-sediment and bottom-sediment samples from the 17th Street Canal area than from other locations (table 3). Lead and zinc concentrations exceed the PECs most often for the inorganic constituents with six and 10 concentrations higher than the PEC, respectively. In comparison to the mid-lake reference site (MID), some suspended-sediment samples (E1, E2, G1) had elevated concentrations of copper, lead, silver, and zinc. Among the bottom-sediment samples, only those collected near the 17th Street Canal (MET on September 29 and October 3; E2 on September 21 and October 9; E3 on October 9) had higher trace element concentrations (cadmium, copper, lead, mercury, and zinc) relative to MID, except for higher barium concentrations at H2.

The highest concentrations of organochlorine compounds, PCBs, PAHs, and current-use pesticides occurred near the 17th Street Canal (tables 4, 5, and 7). The most frequently detected chlorinated compounds were *p,p'*-DDD, *p,p'*-DDE, dieldrin, *cis*-chlordane, *trans*-chlordane, *trans*-nonachlor, and PCBs (table 4). Concentrations of *p,p'*-DDD exceed the PEC at sites E3 and CD, and concentrations of total PCB Aroclors exceed the PEC at sites MET and E3. The most frequently detected PAHs were the 3-, 4-, and 5-ring parent PAHs and 2,6-dimethylnaphthalene (table 5). Each of the PECs for individual PAHs and ΣPAH_{SQG} is exceeded in one or more samples. Sixteen of the 61 UWI compounds reported were detected in 50 percent or more of samples, including parent and methyl-substituted PAHs, anthraquinone, indole, 3-methyl-1H-indole, para-cresol, cholesterol, and *beta*-sitosterol and *beta*-stigmastanol (table 6). In most cases, suspended-sediment samples had higher concentrations of the UWI compounds than bottom-sediment and street-mud samples. UWI compound concentrations were not highest in the samples collected near the 17th Street Canal, as was the case for the inorganic and other organic constituents. Thirteen of the 63 current-use pesticides analyzed were detected at least once (table 7). Among these, chlorpyrifos and three fipronil degradates (fipronil sulfide, fipronil sulfone, and desulfinyl-fipronil) were detected in 40 percent or more of the samples. No consensus-based SQGs are recommended for most of the UWI compounds or current-use pesticides.

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Table 1. Description of sites sampled in Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005.

[ID, identifier; - -, not applicable; na, not available]

USGS station ID	Site ID	Sample type	GPS coordinates (NAD 83)		Water depth (meters)	Date(s) sampled
			Latitude	Longitude		
Zone E—17th Street Canal						
300113090064901	NO1	Street mud	30°01'13"	90°06'49"	- -	9/21/2005
300056090070301	FDL	Street mud	30°00'56"	90°07'03"	- -	10/03/2005
300125090071701	E1	Suspended sediment	30°01'25"	90°07'17"	2.7	9/20/2005, 10/03/2005
300136090072001	E2	Suspended sediment	30°01'36"	90°07'20"	3.0	9/20/2005
300125090074400	MET	Bed sediment (dredge)	30°01'25"	90°07'17"	3.5	9/29/2005, 10/03/2005
300136090072001	E2	Bed sediment (box core)	30°01'36"	90°07'20"	2.9	9/21/2005, 10/09/2005
300144090072001	E3	Bed sediment (box core)	30°01'44"	90°07'20"	3.7	9/21/2005, 10/09/2005
300202090071401	E4	Bed sediment (box core)	30°02'02"	90°07'14"	4.3	9/21/2005, 10/09/2005
300143090081401	E5	Bed sediment (box core)	30°01'43"	90°08'14"	3.7	10/09/2005
300114090083900	BON	Bed sediment (dredge)	30°01'14"	90°08'39"	1.8	9/29/2005
Zone G—London Avenue Canal						
300110090040401	CD	Street mud	30°01'10"	90°04'04"	- -	10/03/2005
300152090042701	G1	Suspended sediment	30°01'52"	90°04'27"	na	10/03/2005
300159090043001	G2	Bed sediment (box core)	30°01'59"	90°04'30"	3.4	10/10/2005
300205090043401	G3	Bed sediment (box core)	30°02'05"	90°04'34"	4.1	10/10/2005
300243090043501	G4	Bed sediment (box core)	30°02'43"	90°04'35"	4.3	10/10/2005
300142090045800	STJ	Bed sediment (dredge)	30°01'42"	90°04'58"	3.0	9/26/2005
Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	30°03'55"	89°57'18"	- -	10/04/2005
300330089575801	JNK	Suspended sediment	30°03'30"	89°57'58"	na	10/04/2005
300243090043501	J2	Bed sediment (box core)	30°02'43"	90°04'35"	4.3	10/10/2005
300344089581000	JNK	Bed sediment (dredge)	30°03'44"	89°58'10"	1.2	9/27/2005, 10/01/2005
300243090043501	J3	Bed sediment (box core)	30°02'43"	90°04'35"	4.3	10/10/2005
300342089584101	J7	Bed sediment (box core)	30°03'42"	89°58'41"	4.3	10/10/2005
300418089583801	J4	Bed sediment (box core)	30°04'18"	89°58'38"	4.3	10/10/2005
300313089591401	J5	Bed sediment (box core)	30°03'13"	89°59'14"	4.3	10/10/2005
Other suspended and bed sediment samples						
300158090020601	H1	Suspended sediment	30°01'58"	90°02'06"	18.3	9/21/2005
295808090001601	CHL	Suspended sediment	29°58'08"	90°00'16"	.1	10/04/2005
300018089562300	ITC	Bed sediment (dredge)	30°00'18"	89°56'23"	5.1	9/29/2005, 10/05/2005
300054090014600	NAV	Bed sediment (dredge)	30°00'54"	90°01'46"	10.7	10/05/2005
300243090043501	H2	Bed sediment (box core)	30°02'43"	90°04'35"	4.3	10/10/2005
300123090104301	D1	Bed sediment (box core)	30°01'23"	90°10'43"	.9	10/09/2005
300125090130801	C2	Bed sediment (box core)	30°01'25"	90°13'08"	3.7	10/09/2005
300202090125901	C1	Bed sediment (box core)	30°02'02"	90°12'59"	1.7	10/09/2005
300214090130300	ELM	Bed sediment (dredge)	30°02'14"	90°13'03"	3.0	9/26/2005, 9/30/2005
300236090144101	B1	Bed sediment (box core)	30°02'36"	90°14'41"	1.7	10/09/2005
300303090152601	A1	Bed sediment (box core)	30°03'03"	90°15'26"	2.5	10/09/2005
300445089565501	K1	Bed sediment (box core)	30°04'45"	89°56'55"	4.3	10/10/2005
Mid-lake reference site samples						
301151090075700	MID	Bed sediment (dredge)	30°11'51"	90°07'57"	5.5	9/28/2005, 10/04/2005, 10/20/2005
301001089442600	RGO	Bed sediment (dredge)	30°10'01"	89°44'26"	na	9/28/2005, 10/21/2005
300403089481300	MNT	Bed sediment (dredge)	30°04'03"	89°48'13"	na	9/28/2005, 10/21/2005

Table 2. Radionuclide activities in selected sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005.

[ID, identifier; cm, centimeters; pCi/g, picocuries per gram; std. dev., standard deviation; dpm/g, disintegrations per minute per gram; <, less than; - -, not applicable; dup, duplicate; na, not available]

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Cesium-137 (pCi/g)	Cesium-137 uncertainty, 1 std. dev.	Lead-210 (dpm/g)	Lead-210 uncertainty, 1 std. dev.	Radium-226 (dpm/g)	Radium-226 uncertainty, 1 std. dev.
			Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	0.06	0.02	5.08	0.31	2.16	0.06
300056090070301	FDL	Street mud	10/03/2005	.12	.01	2.28	.27	1.93	.12
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	.07	.01	4.80	.37	1.80	.11
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	.07	.02	3.14	.25	2.25	.07
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	.03	.01	5.35	.43	2.27	.13
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	.10	.03	5.67	.31	1.86	.06
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	.12	.02	7.22	.61	2.09	.18
300202090071401	E4 1–2	Bed sediment (box core)	9/21/2005	.12	.02	6.96	.58	2.09	.18
300202090071401	E4 2–3	Bed sediment (box core)	9/21/2005	.11	.01	7.12	.50	2.14	.13
300202090071401	E4 3–4	Bed sediment (box core)	9/21/2005	.11	.02	6.64	.50	2.35	.15
300202090071401	E4 4–6	Bed sediment (box core)	9/21/2005	.10	.01	4.72	.39	2.32	.13
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	.11	.03	5.63	.39	2.10	.09
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	<.01	- -	1.65	.32	1.32	.09
			Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	.17	.01	5.30	.38	2.02	.10
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	.02	.01	1.09	.13	.85	.05
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	.14	.04	5.84	.40	1.64	.08
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	.15	.04	4.85	.33	2.03	.07
			Zone J—Jahncke Canal						
300355089571801	ONE axial	Street mud	10/04/2005	.03	.01	3.07	.24	1.71	.08
300355089571801	ONE axial dup.	Street mud	10/04/2005	.02	.01	3.29	.25	1.64	.08
300355089571801	ONE well	Street mud	10/04/2005	.04	.02	2.89	.27	1.64	.07
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	<.01	- -	.83	.17	.83	.07
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	.02	.01	3.00	.31	2.05	.12
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	.06	.02	3.40	.23	1.21	.05
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	.09	.02	4.35	.29	1.73	.06
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	<.01	- -	1.74	.21	1.73	.09
			Other suspended and bed sediment samples						
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	.13	.03	4.86	.35	1.86	.08
300224090021901	H2 0.5–1	Bed sediment (box core)	9/21/2005	.11	.03	5.16	.37	1.86	.08
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	.11	.03	4.70	.31	1.83	.07
300224090021901	H2 2–3	Bed sediment (box core)	9/21/2005	.10	.02	4.18	.25	1.77	.05
300224090021901	H2 3–4	Bed sediment (box core)	9/21/2005	.08	.02	3.85	.27	1.88	.06
300224090021901	H2 4–5	Bed sediment (box core)	9/21/2005	.10	.03	4.40	.33	2.04	.08
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	.10	.03	4.62	.27	1.59	.05
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	.08	.01	3.80	.32	1.75	.11
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	.02	.01	2.04	.21	1.26	.08
300224090021901	H2 3–4	Bed sediment (box core)	10/03/2005	.05	.01	2.87	.30	1.37	.10
300224090021901	H2 4–5	Bed sediment (box core)	10/03/2005	.11	.03	4.05	.26	1.71	.05
300224090021901	H2 5–7	Bed sediment (box core)	10/03/2005	.13	.03	5.06	.32	1.79	.06
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	.11	.03	5.90	.29	1.90	.05
300224090021901	H2 9–11	Bed sediment (box core)	10/03/2005	.13	.01	6.00	.43	1.98	.10
300224090021901	H2 11–13	Bed sediment (box core)	10/03/2005	.14	.01	5.63	.40	1.99	.10
300224090021901	H2 13–15	Bed sediment (box core)	10/03/2005	.13	.03	5.55	.30	1.87	.05
300224090021901	H2 15–17	Bed sediment (box core)	10/03/2005	.12	.01	5.77	.39	1.98	.09
300224090021901	H2 17–19	Bed sediment (box core)	10/03/2005	.13	.03	5.80	.34	1.80	.06
300224090021901	H2 19–21 axial	Bed sediment (box core)	10/03/2005	.13	.03	5.92	.34	1.88	.06
300224090021901	H2 19–21 well	Bed sediment (box core)	10/03/2005	.12	.01	5.89	.41	2.02	.10
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	<.01	- -	1.51	.16	1.68	.08
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	.07	.01	3.85	.32	2.46	.12
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	.05	.01	2.91	.29	2.30	.13
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	.10	.03	4.04	.30	2.17	.07
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	.08	.02	2.83	.34	2.16	.15
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	.07	.02	3.29	.26	2.02	.07

Table 2. Radionuclide activities in selected sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005.

USGS station ID	Unsupported lead-210 (dpm/g)	Unsupported lead-210 uncertainty, 1 std. dev.	Beryllium-7 (dpm/g)	Beryllium-7 uncertainty, 1 std. dev.	Decay corrected beryllium-7, (dpm/g)	Decay corrected beryllium-7 uncertainty, 1 std. dev.	Total thorium-234 (dpm/g)	Total thorium-234 uncertainty, 1 std. dev.	Supported thorium-234 (dpm/g)	Supported thorium-234 uncertainty, 1 std. dev.
Zone E—17th Street Canal										
300113090064901	2.92	0.32	1.41	0.23	1.81	0.30	2.94	0.27	na	na
300056090070301	.35	.30	<.3	- -	<.3	- -	1.94	.27	na	na
300136090072001	3.00	.39	3.67	.22	4.69	.29	2.39	.25	2.33	0.30
300136090072001	.90	.26	.71	.27	1.18	.45	2.40	.26	2.91	.22
300144090072001	3.08	.45	2.66	.23	3.40	.30	3.18	.29	3.72	.36
300144090072001	3.81	.32	2.22	.31	3.64	.51	3.80	.26	3.64	.35
300202090071401	5.13	.64	1.70	.33	2.18	.43	3.03	.41	4.80	.46
300202090071401	4.87	.61	2.06	.31	2.64	.40	3.56	.44	4.41	.48
300202090071401	4.97	.52	2.05	.23	2.62	.30	4.22	.36	na	na
300202090071401	4.28	.52	1.38	.25	1.76	.32	3.29	.36	na	na
300202090071401	2.40	.41	1.13	.19	1.45	.24	2.38	.30	2.71	.22
300202090071401	3.52	.40	1.20	.39	2.00	.65	3.10	.36	3.47	.38
300143090081401	.33	.33	<.3	- -	<.3	- -	2.57	.39	na	na
Zone G—London Avenue Canal										
300110090040401	3.28	.40	1.77	.18	2.91	.30	3.21	.26	na	na
300159090043001	.24	.14	<.3	- -	<.3	- -	.95	.13	na	na
300205090043401	4.20	.41	2.22	.48	3.69	.80	3.76	.37	3.30	.32
300243090043501	2.83	.34	1.84	.43	3.05	.71	3.59	.32	3.33	.26
Zone J—Jahncke Canal										
300355089571801	1.36	.25	3.49	.18	5.72	.30	1.92	.18	na	na
300355089571801	1.65	.26	3.43	.20	5.62	.33	1.93	.18	na	na
300355089571801	1.25	.28	3.76	.48	6.17	.79	2.04	.28	na	na
300337089580701	.00	.18	.30	.16	.50	.27	.89	.18	na	na
300344089581701	.96	.33	.86	.27	1.43	.45	2.05	.27	2.56	.24
300342089584101	2.19	.23	1.24	.29	2.06	.48	2.48	.22	2.44	.24
300418089583801	2.61	.30	1.78	.36	2.96	.59	3.29	.29	3.38	.34
300313089591401	.01	.23	.76	.19	1.26	.32	2.09	.22	1.92	.21
Other suspended and bed sediment samples										
300224090021901	3.01	.36	2.60	.32	3.33	.41	4.38	.37	4.05	.36
300224090021901	3.30	.38	1.39	.30	1.79	.38	3.66	.37	2.97	.31
300224090021901	2.88	.32	.68	.23	.88	.30	2.61	.29	2.40	.23
300224090021901	2.41	.26	.57	.18	.73	.23	2.74	.23	2.41	.22
300224090021901	1.96	.27	<.3	- -	<.3	- -	2.40	.26	na	na
300224090021901	2.36	.34	<.3	- -	<.3	- -	2.54	.32	na	na
300224090021901	3.03	.28	1.78	.24	2.70	.36	2.95	.25	2.77	.25
300224090021901	2.05	.33	2.36	.22	3.57	.33	2.45	.27	2.62	.32
300224090021901	.79	.22	.84	.13	1.27	.19	1.62	.19	1.31	.19
300224090021901	1.50	.32	1.05	.20	1.59	.30	2.41	.32	na	na
300224090021901	2.33	.26	.99	.18	1.50	.28	2.83	.25	2.34	.24
300224090021901	3.27	.32	1.37	.25	2.07	.38	3.39	.29	na	na
300224090021901	4.00	.29	1.10	.19	1.67	.29	3.19	.21	na	na
300224090021901	4.01	.44	1.27	.18	1.93	.27	3.33	.25	3.08	.23
300224090021901	3.64	.41	1.09	.16	1.65	.25	3.17	.24	3.06	.24
300224090021901	3.67	.30	.91	.20	1.39	.31	3.33	.23	na	na
300224090021901	3.80	.40	1.07	.14	1.63	.22	3.15	.22	na	na
300224090021901	4.00	.35	.98	.29	1.48	.44	3.43	.29	na	na
300224090021901	4.04	.35	1.32	.29	2.01	.44	3.24	.28	3.55	.30
300224090021901	3.86	.42	1.12	.19	1.71	.28	2.64	.22	na	na
300123090104301	-.18	.18	.39	.13	.64	.22	1.93	.17	na	na
300125090130801	1.39	.34	.75	.22	1.23	.36	2.66	.26	2.82	.22
300202090125901	.61	.32	.90	.23	1.48	.38	2.34	.27	2.59	.09
300236090144101	1.87	.31	1.54	.38	2.53	.62	3.38	.31	2.80	.26
300303090152601	.67	.37	<.3	- -	<.3	- -	2.46	.33	na	na
300445089565501	1.27	.27	1.64	.31	2.72	.52	2.75	.27	2.98	.35

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005.

[All concentrations in micrograms per gram except where indicated. Concentration in bold exceeds probable effect concentration (MacDonald and others, 2000). ID, identifier; dup., duplicate; <, less than or nondetection at indicated value; µm, microns; is, insufficient sediment; - -, not applicable; na, not available; nd, nondetection with no reporting limit provided]

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Total carbon (percent)	Total organic carbon (percent)	Total nitrogen (percent)	Aluminum (percent)	Iron (percent)	Titanium (percent)
Zone E—17th Street Canal											
300113090064901	NO1	Street mud	Bulk	9/21/2005	Set A	5.0	4.1	0.35	6.7	3.1	0.35
300113090064901	NO1 dup.	Street mud	Bulk	9/21/2005	Set A	5.1	4.2	.35	6.5	3.0	.34
300056090070301	FDL	Street mud	Bulk	10/03/2005	Set B	2.4	2.1	.12	4.9	2.0	.24
300125090071701	E1	Suspended sediment	Bulk	9/20/2005	Set B	7.6	7.0	1.1	2.1	4.9	.10
300125090071701	E1	Suspended sediment	Bulk	10/03/2005	Set B	5.8	is	.71	4.8	3.4	.22
300136090072001	E2	Suspended sediment	Bulk	9/20/2005	Set B	7.1	6.6	1.0	2.3	3.1	.11
300125090074400	MET	Bed sediment (dredge)	Bulk	9/29/2005	Set B	1.2	.9	.08	4.2	1.2	.23
300125090074400	MET	Bed sediment (dredge)	Sieved (<63 µm)	9/29/2005	Set B	1.4	1.2	.10	4.4	1.5	.31
300125090074400	MET	Bed sediment (dredge)	Bulk	10/03/2005	Set B	8.0	7.0	.45	5.8	3.1	.33
300125090074400	MET	Bed sediment (dredge)	Sieved (<63 µm)	10/03/2005	Set B	6.3	6.1	.44	6.2	3.4	.36
300136090072001	E2 0–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	4.3	3.4	.25	4.6	2.0	.27
300136090072001	E2 0–1	Bed sediment (box core)	Bulk	10/09/2005	Set B	2.2	1.8	.13	4.7	1.8	.31
300144090072001	E3 0–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	10	8.5	.63	5.4	2.7	.29
300144090072001	E3 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	4.9	4.3	.35	6.6	3.2	.35
300144090072001	E3 0–2 dup.	Bed sediment (box core)	Bulk	10/09/2005	Set B	5.0	4.3	.36	6.5	3.2	.36
300202090071401	E4 0–1	Bed sediment (box core)	Bulk	9/21/2005	Set A	5.2	4.3	.39	7.5	3.7	.39
300202090071401	E4 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	5.9	4.8	.41	6.8	3.5	.37
300202090071401	E4 2–3	Bed sediment (box core)	Bulk	9/21/2005	Set A	5.4	4.6	.38	6.7	3.4	.37
300202090071401	E4 3–4	Bed sediment (box core)	Bulk	9/21/2005	Set A	4.9	4.1	.35	6.6	3.2	.37
300202090071401	E4 4–6	Bed sediment (box core)	Bulk	9/21/2005	Set A	2.3	1.8	.17	6.4	2.8	.37
300202090071401	E4 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	3.2	3.0	.23	6.7	3.1	.38
300143090081401	E5 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	12	10	.70	5.1	2.6	.29
300114090083900	BON	Bed sediment (dredge)	Bulk	9/29/2005	Set B	.6	.3	.03	4.0	1.1	.21
300114090083900	BON dup.	Bed sediment (dredge)	Bulk	9/29/2005	Set B	.6	.4	.04	4.0	1.0	.20
Zone G—London Avenue Canal											
300110090040401	CD	Street mud	Bulk	10/03/2005	Set B	3.8	3.6	.27	7.2	3.5	.39
300152090042701	G1	Suspended sediment	Bulk	10/03/2005	Set B	12	9.5	1.4	4.8	5.7	.20

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Total carbon (percent)	Total organic carbon (percent)	Total nitrogen (percent)	Aluminum (percent)	Iron (percent)	Titanium (percent)
Zone G—London Avenue Canal—Continued											
300159090043001	G2 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	0.3	0.3	0.03	2.0	0.65	0.17
300205090043401	G3 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	3.1	2.6	.27	8.1	4.0	.41
300205090043401	G3 0–1 dup.	Bed sediment (box core)	Bulk	10/10/2005	Set B	3.0	2.7	.28	7.9	3.9	.40
300243090043501	G4 0–2	Bed sediment (box core)	Bulk	10/10/2005	Set B	2.2	1.9	.21	8.1	3.8	.44
300142090045800	STJ	Bed sediment (dredge)	Bulk	9/26/2005	Set B	.5	.4	.04	3.6	1.0	.29
300142090045800	STJ	Bed sediment (dredge)	Sieved (<63 μm)	9/26/2005	Set B	.5	.5	.05	4.2	1.2	.42
Zone J—Jahncke Canal											
300355089571801	ONE	Street mud	Bulk	10/04/2005	Set B	1.8	1.5	.15	4.4	1.4	.26
300330089575801	JNK	Suspended sediment	Bulk	10/04/2005	Set B	2.7	2.5	.34	.3	.62	<.01
300337089580701	J2 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	.1	<.1	<.01	1.9	.37	.14
300344089581000	JNK	Bed sediment (dredge)	Bulk	9/27/2005	Set B	.4	.4	.04	3.7	.8	.23
300344089581000	JNK dup.	Bed sediment (dredge)	Bulk	9/27/2005	Set B	.6	.4	.06	3.8	.8	.22
300344089581000	JNK	Bed sediment (dredge)	Sieved (<63 μm)	9/27/2005	Set B	1.2	1.2	.13	5.2	1.9	.53
300344089581000	JNK	Bed sediment (dredge)	Bulk	10/01/2005	Set B	1.4	.7	.08	3.7	1.5	.21
300344089581000	JNK	Bed sediment (dredge)	Sieved (<63 μm)	10/01/2005	Set B	2.2	1.7	.20	5.8	2.7	.35
300344089581701	J3 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	1.2	.9	.11	4.7	1.6	.28
300342089584101	J7 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	1.7	1.3	.17	4.8	2.2	.26
300418089583801	J4 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	2.1	1.6	.20	7.7	3.6	.39
300313089591401	J5 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	.5	.4	.04	4.0	1.1	.25
Other suspended and bed sediment samples											
300158090020601	H1	Suspended sediment	Bulk	9/21/2005	Set B	is	is	is	.9	.73	.05
295808090001601	CHL	Suspended sediment	Bulk	10/04/2005	Set B	4.7	4.4	.63	2.6	1.6	.12
300018089562300	ITC	Bed sediment (dredge)	Bulk	9/29/2005	Set B	3.8	3.8	.30	6.5	2.8	.36
300018089562300	ITC	Bed sediment (dredge)	Bulk	10/05/2005	Set B	.9	.6	.05	4.2	1.5	.26
300018089562300	ITC	Bed sediment (dredge)	Sieved (<63 μm)	10/05/2005	Set B	1.2	.8	.08	5.9	2.2	.36
300018089562300	ITC	Bed sediment (dredge)	Bulk	10/20/2005	Set B	8.3	8.0	.29	6.3	3.4	.32
300018089562300	ITC dup.	Bed sediment (dredge)	Bulk	10/20/2005	Set B	8.2	8.1	.28	6.4	3.5	.32
300054090014600	NAV	Bed sediment (dredge)	Bulk	10/05/2005	Set B	1.0	.5	.06	2.4	.93	.18
300224090021901	H2 0–0.5	Bed sediment (box core)	Bulk	9/21/2005	Set A	3.3	2.5	.33	7.0	3.5	.35

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Total carbon (percent)	Total organic carbon (percent)	Total nitrogen (percent)	Aluminum (percent)	Iron (percent)	Titanium (percent)
Other suspended and bed sediment samples—Continued											
300224090021901	H2 0.5–1	Bed sediment (box core)	Bulk	9/21/2005	Set A	2.6	2.1	0.23	6.8	3.2	0.36
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	2.2	1.8	.18	6.5	3.0	.35
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	2.2	1.8	.18	6.6	3.0	.36
300224090021901	H2 1–2 dup.	Bed sediment (box core)	Bulk	9/21/2005	Set A	2.3	1.8	.19	6.3	3.0	.35
300224090021901	H2 2–3	Bed sediment (box core)	Bulk	9/21/2005	Set A	2.0	1.8	.16	6.3	2.8	.34
300224090021901	H2 3–4	Bed sediment (box core)	Bulk	9/21/2005	Set A	2.0	1.6	.16	5.8	2.7	.32
300224090021901	H2 4–5	Bed sediment (box core)	Bulk	9/21/2005	Set A	2.2	1.8	.18	6.1	3.0	.35
300224090021901	H2 0–1	Bed sediment (box core)	Bulk	10/03/2005	Set B	2.4	1.9	.21	7.2	3.3	.37
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	10/03/2005	Set B	2.2	1.7	.20	6.5	2.9	.33
300224090021901	H2 2–3	Bed sediment (box core)	Bulk	10/03/2005	Set B	.5	.5	.04	3.7	1.2	.20
300224090021901	H2 2–3 dup.	Bed sediment (box core)	Bulk	10/03/2005	Set B	.5	.4	.04	3.7	1.2	.21
300224090021901	H2 7–9	Bed sediment (box core)	Bulk	10/03/2005	Set B	2.6	2.3	.23	8.1	3.8	.42
300123090104301	D1 0–0.5	Bed sediment (box core)	Bulk	10/09/2005	Set B	1.1	.9	.07	3.0	.83	.27
300125090130801	C2 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	1.6	1.3	.13	6.5	2.9	.40
300202090125901	C1 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	3.3	2.8	.21	5.1	1.9	.32
300214090130300	ELM	Bed sediment (dredge)	Bulk	9/26/2005	Set B	1.2	.9	.09	4.7	1.5	.33
300214090130300	ELM	Bed sediment (dredge)	Sieved (<63 μm)	9/26/2005	Set B	.9	.8	.07	4.9	1.6	.36
300214090130300	ELM dup.	Bed sediment (dredge)	Sieved (<63 μm)	9/26/2005	Set B	.9	.8	.07	5.0	1.6	.38
300214090130300	ELM	Bed sediment (dredge)	Bulk	9/30/2005	Set B	1.2	1.0	.07	4.3	1.3	.31
300214090130300	ELM dup.	Bed sediment (dredge)	Bulk	9/30/2005	Set B	1.3	1.2	.08	4.8	1.7	.33
300214090130300	ELM	Bed sediment (dredge)	Sieved (<63 μm)	9/30/2005	Set B	1.1	.9	.08	4.8	1.6	.43
300214090130300	ELM dup.	Bed sediment (dredge)	Sieved (<63 μm)	9/30/2005	Set B	1.8	1.7	.12	5.2	2.0	.39
300236090144101	B1 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	6.5	5.6	.43	6.4	2.9	.37
300303090152601	A1 0–1	Bed sediment (box core)	Bulk	10/09/2005	Set B	2.1	1.8	.14	5.7	2.2	.35
300445089565501	K1 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	2.1	1.6	.19	5.7	2.5	.32
Mid-lake reference site samples											
301151090075700	MID	Bed sediment (dredge)	Bulk	9/28/2005	Set B	1.4	1.9	.16	8.2	4.1	.42
301151090075700	MID	Bed sediment (dredge)	Bulk	10/04/2005	Set B	1.7	1.8	.21	8.9	4.3	.44
301151090075700	MID	Bed sediment (dredge)	Bulk	10/20/2005	Set B	1.6	1.6	.20	8.7	4.4	.42

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Total carbon (percent)	Total organic carbon (percent)	Total nitrogen (percent)	Aluminum (percent)	Iron (percent)	Titanium (percent)
Mid-lake reference site samples—Continued											
301001089442600	RGO	Bed sediment (dredge)	Bulk	9/28/2005	Set B	<.1	<0.1	<0.01	0.3	0.19	0.19
301001089442600	RGO	Bed sediment (dredge)	Bulk	10/21/2005	Set B	<.1	<.1	<.01	.1	<.1	.02
300403089481300	MNT	Bed sediment (dredge)	Bulk	9/28/2005	Set B	<.1	<.1	<.01	1.2	.22	.05
300403089481300	MNT	Bed sediment (dredge)	Bulk	10/21/2005	Set B	<.1	<.1	<.01	1.4	.31	.06
Sediment-quality guidelines											
	Threshold effect concentration (TEC)		- -	- -	- -	na	na	na	na	na	na
	Probable effect concentration (PEC)		- -	- -	- -	na	na	na	na	na	na
Quality-assurance samples											
	NIST 2709		- -	- -	Set A	1.2	na	na	7.50±.06	3.5±.11	.342±.024
	NIST 2709 Found		- -	- -	*Set A*	*1.2*	*1.1*	*.11*	*7.4*	*3.4*	*.32*
	NIST 2711 MT. Soil		- -	- -	Set A	2.0	na	na	6.53±.09	2.89±.06	.306±.023
	NIST 2711 MT. Soil Found		- -	- -	*Set A*	*2.0*	*1.8*	*.12*	*6.5*	*2.8*	*.29*
	NIST 1646a		- -	- -	Set A	na	na	na	2.30±.02	2.00±.04	.46±.02
	NIST 1646a Found		- -	- -	*Set A*	*.6*	*.6*	*.06*	*2.3*	*1.9*	*.44*
	USGS SDO-1		- -	- -	Set A	9.95±.44	na	.35±.04	6.49±.14	6.53±.15	.426±.019
	USGS SDO-1 Found		- -	- -	*Set A*	*1.0*	*9.8*	*.37*	*6.4*	*6.4*	*.41*
	NIST 2709		- -	- -	Set B	1.2	na	na	7.50±.06	3.5±.11	.342±.024
	NIST 2709 Found		- -	- -	Set B	1.2	1.1	.11	7.4	3.4	.32
	NIST 2709 Found		- -	- -	Set B	1.0	1.0	.11	7.5	3.4	.35
	NIST 2709 Found		- -	- -	Set B	1.0	1.1	.09	7.4	3.5	.34
	NIST 2709 Found			- -	Set B	1.0	1.1	.11	7.5	3.4	.36
	NIST 2709 Found (average)			- -	*Set B*	*1.1*	*1.1*	*.10*	*7.5*	*3.4*	*.34*

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Total carbon (percent)	Total organic carbon (percent)	Total nitrogen (percent)	Aluminum (percent)	Iron (percent)	Titanium (percent)
	NIST 2711 MT. Soil		- -	- -	Set B	2.0	na	na	6.53±0.09	2.89±0.06	0.306±0.023
	NIST 2711 MT. Soil Found		- -	- -	Set B	2.0	1.8	.12	6.5	2.8	.29
	NIST 2711 MT. Soil Found		- -	- -	Set B	1.8	1.7	.13	6.6	2.8	.31
	NIST 2711 MT. Soil Found		- -	- -	Set B	1.7	1.7	.12	6.6	2.9	.32
	NIST 2711 MT. Soil Found		- -	- -	Set B	1.7	1.7	.13	6.7	2.8	.32
	NIST 2711 MT. Soil Found (average)		- -	- -	*Set B*	*1.8*	*1.7*	*.13*	*6.6*	*2.8*	*.31*
	NIST 1646a		- -	- -	Set B	na	na	na	2.30±.02	2.00±.04	.46±.02
	NIST 1646a Found		- -	- -	Set B	.6	.6	.06	2.3	1.9	.44
	NIST 1646a Found		- -	- -	Set B	.6	.5	.06	2.3	2.0	.45
	NIST 1646a Found		- -	- -	Set B	.5	.5	.05	2.2	2.0	.44
	NIST 1646a Found		- -	- -	Set B	.5	.6	.07	2.3	1.9	.48
	NIST 1646a Found (average)		- -	- -	*Set B*	*.6*	*.6*	*.06*	*2.3*	*2.0*	*.45*
	USGS SDO-1		- -	- -	Set B	9.95±.44	na	.35±.04	6.49±.14	6.53±.15	.426±.019
	USGS SDO-1 Found		- -	- -	Set B	10	9.8	.37	6.4	6.4	.41
	USGS SDO-1 Found		- -	- -	Set B	10	9.7	.36	6.3	6.3	.40
	USGS SDO-1 Found		- -	- -	Set B	9.7	9.7	.38	6.4	6.4	.42
	USGS SDO-1 Found (average)		- -	- -	*Set B*	*9.9*	*9.7*	*.37*	*6.4*	*6.4*	*.41*
	USGS MAG-1		- -	- -	Set B	2.15±.40	na	na	8.66±.16	4.75±.21	.450±.040
	USGS MAG-1 Found		- -	- -	Set B	2.3	2.2	.27	8.6	4.9	.42
	USGS MAG-1 Found		- -	- -	Set B	2.2	2.2	.28	8.5	4.8	.43
	USGS MAG-1 Found		- -	- -	Set B	2.2	2.3	.28	8.8	4.8	.46
	USGS MAG-1 Found (average)		- -	- -	*Set B*	*2.2*	*2.2*	*.28*	*8.6*	*4.8*	*.44*
	USGS STM-1		- -	- -	Set B	0	na	na	9.73±.12	3.65±.07	.081±.007
	USGS STM-1 Found		- -	- -	Set B	<.1	<.1	<.01	9.8	3.6	.08
	USGS STM-1 Found		- -	- -	Set B	<.1	<.1	<.01	9.7	3.6	.08

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Total carbon (percent)	Total organic carbon (percent)	Total nitrogen (percent)	Aluminum (percent)	Iron (percent)	Titanium (percent)
	USGS STM-1 Found	- -	- -		Set B	<0.1	<0.1	<0.01	9.9	3.6	0.09
	USGS STM-1 Found (average)	- -	- -		*Set B*	*<.1*	*<.1*	*<.01*	*9.8*	*3.6*	*.08*
	USGS SGR-1	- -	- -		Set B	28	24.8	na	3.45±.11	2.12±.10	.152±.015
	USGS SGR-1 Found	- -	- -		Set B	28	27	.85	3.5	2.1	.15
	USGS SGR-1 Found	- -	- -		Set B	27	26	.90	3.3	2.1	.14
	USGS SGR-1 Found	- -	- -		Set B	28	27	.88	3.6	2.0	.15
	USGS SGR-1 Found (average)	- -	- -		*Set B*	*28*	*27*	*.88*	*3.5*	*2.1*	*.15*
	USGS SCO-1	- -	- -		Set B	.81±.12	na	na	7.23±.11	3.59±.13	.376±.039
	USGS SCO-1 Found	- -	- -		Set B	1.0	.9	.05	7.1	3.5	.35
	USGS SCO-1 Found	- -	- -		Set B	.9	1.0	.05	7.2	3.6	.34
	USGS SCO-1 Found	- -	- -		Set B	.9	.9	.06	7.2	3.5	.36
	USGS SCO-1 Found (average)	- -	- -		*Set B*	*.9*	*.9*	*.05*	*7.2*	*3.5*	*.35*
	USGS QLO-1	- -	- -		Set B	<.01	na	na	8.56±.10	3.04±.10	.374±.020
	USGS QLO-1 Found	- -	- -		Set B	<.1	<.1	<.01	8.8	3.0	.38
	USGS QLO-1 Found	- -	- -		Set B	<.1	<.1	<.01	8.5	3.0	.38
	USGS QLO-1 Found	- -	- -		Set B	<.1	<.1	<.01	8.7	2.9	.39
	USGS QLO-1 Found (average)	- -	- -		*Set B*	*<.1*	*<.1*	*<.01*	*8.7*	*3.0*	*.38*
	USGS GSP-2	- -	- -		Set B	na	na	na	7.88±.11	3.43±.11	.40±.01
	USGS GSP-2 Found	- -	- -		Set B	.1	.1	<.01	8.0	3.4	.40
	USGS GSP-2 Found	- -	- -		Set B	.2	<.1	<.01	7.9	3.4	.41
	USGS GSP-2 Found	- -	- -		Set B	<.1	.1	<.01	7.9	3.4	.41
	USGS GSP-2 Found (average)	- -	- -		*Set B*	*.1*	*.1*	*<.01*	*7.9*	*3.4*	*.41*

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Antmony	Arsenic	Barium	Beryllium	Cadmium	Chromium
				Zone E—17th Street Canal							
300113090064901	NO1	Street mud	Bulk	9/21/2005	Set A	1.5	16	650	2.0	1.0	70
300113090064901	NO1 dup.	Street mud	Bulk	9/21/2005	Set A	.8	11	630	1.9	.7	69
300056090070301	FDL	Street mud	Bulk	10/03/2005	Set B	1.9	14	600	1.3	.4	44
300125090071701	E1	Suspended sediment	Bulk	9/20/2005	Set B	3.6	**42**	260	1.2	4.6	34
300125090071701	E1	Suspended sediment	Bulk	10/03/2005	Set B	.9	23	390	1.5	**5.0**	62
300136090072001	E2	Suspended sediment	Bulk	9/20/2005	Set B	3.4	26	220	.9	2.1	33
300125090074400	MET	Bed sediment (dredge)	Bulk	9/29/2005	Set B	.7	6.3	670	1.1	.9	30
300125090074400	MET	Bed sediment (dredge)	Sieved (<63 µm)	9/29/2005	Set B	.9	8.3	640	1.1	1.3	37
300125090074400	MET	Bed sediment (dredge)	Bulk	10/03/2005	Set B	1.9	21	530	1.7	2.7	70
300125090074400	MET	Bed sediment (dredge)	Sieved (<63 µm)	10/03/2005	Set B	2.1	23	590	1.8	2.7	78
300136090072001	E2 0–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	1.6	18	660	1.3	3.0	50
300136090072001	E2 0–1	Bed sediment (box core)	Bulk	10/09/2005	Set B	.8	9.0	680	1.3	.9	49
300144090072001	E3 0–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	1.0	15	580	1.7	1.5	58
300144090072001	E3 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	1.1	16	620	2.0	1.4	70
300144090072001	E3 0–2 dup.	Bed sediment (box core)	Bulk	10/09/2005	Set B	1.0	16	600	1.9	1.5	71
300202090071401	E4 0–1	Bed sediment (box core)	Bulk	9/21/2005	Set A	.9	14	650	2.3	1.1	80
300202090071401	E4 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	.8	12	620	2.2	1.0	75
300202090071401	E4 2–3	Bed sediment (box core)	Bulk	9/21/2005	Set A	.9	14	610	2.1	1.0	73
300202090071401	E4 3–4	Bed sediment (box core)	Bulk	9/21/2005	Set A	.8	12	630	2.0	1.1	70
300202090071401	E4 4–6	Bed sediment (box core)	Bulk	9/21/2005	Set A	.6	9.1	720	1.8	.9	64
300202090071401	E4 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	.8	12	660	1.9	.6	69
300143090081401	E5 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	.8	12	210	1.6	.5	50
300114090083900	BON	Bed sediment (dredge)	Bulk	9/29/2005	Set B	.4	3.5	660	1.0	.2	25
300114090083900	BON dup.	Bed sediment (dredge)	Bulk	9/29/2005	Set B	.4	3.4	670	1.0	.1	23
				Zone G—London Avenue Canal							
300110090040401	CD	Street mud	Bulk	10/03/2005	Set B	1.5	16	360	2.1	1.9	88
300152090042701	G1	Suspended sediment	Bulk	10/03/2005	Set B	.9	30	360	3.7	**5.5**	56

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Antmony	Arsenic	Barium	Beryllium	Cadmium	Chromium
				Zone G—London Avenue Canal—Continued							
300159090043001	G2 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	0.5	2.6	370	0.5	0.2	20
300205090043401	G3 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	.9	15	610	2.3	.8	85
300205090043401	G3 0–1 dup.	Bed sediment (box core)	Bulk	10/10/2005	Set B	.8	14	600	2.3	.7	85
300243090043501	G4 0–2	Bed sediment (box core)	Bulk	10/10/2005	Set B	.8	13	750	2.3	.3	83
300142090045800	STJ	Bed sediment (dredge)	Bulk	9/26/2005	Set B	.4	3.5	580	.9	.2	28
300142090045800	STJ	Bed sediment (dredge)	Sieved (<63 µm)	9/26/2005	Set B	.5	3.4	670	1.1	.2	34
				Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	Bulk	10/04/2005	Set B	.5	5.1	630	1.1	.5	36
300330089575801	JNK	Suspended sediment	Bulk	10/04/2005	Set B	.1	3.5	98	.2	<.1	4.2
300337089580701	J2 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	.1	1.4	390	.5	.1	11
300344089581000	JNK	Bed sediment (dredge)	Bulk	9/27/2005	Set B	.3	2.3	610	.9	.3	21
300344089581000	JNK dup.	Bed sediment (dredge)	Bulk	9/27/2005	Set B	.3	2.4	600	.9	.2	21
300344089581000	JNK	Bed sediment (dredge)	Sieved (<63 µm)	9/27/2005	Set B	.6	5.8	660	1.4	.4	47
300344089581000	JNK	Bed sediment (dredge)	Bulk	10/01/2005	Set B	.8	4.1	520	.9	.8	34
300344089581000	JNK	Bed sediment (dredge)	Sieved (<63 µm)	10/01/2005	Set B	1.5	8.3	2,100	1.6	.7	69
300344089581701	J3 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	.4	4.9	610	1.2	.3	39
300342089584101	J7 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	.5	8.3	430	1.4	.2	49
300418089583801	J4 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	.7	13	650	2.2	.3	77
300313089591401	J5 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	.3	3.4	610	1.0	.2	31
				Other suspended and bed sediment samples							
300158090020601	H1	Suspended sediment	Bulk	9/21/2005	Set B	.8	6.7	130	.3	.6	35
295808090001601	CHL	Suspended sediment	Bulk	10/04/2005	Set B	.3	11	310	.7	.6	32
300018089562300	ITC	Bed sediment (dredge)	Bulk	9/29/2005	Set B	.6	9.2	270	1.8	.2	59
300018089562300	ITC	Bed sediment (dredge)	Bulk	10/05/2005	Set B	.5	5.1	590	1.1	.2	36
300018089562300	ITC	Bed sediment (dredge)	Sieved (<63 µm)	10/05/2005	Set B	.7	6.9	740	1.6	.2	51
300018089562300	ITC	Bed sediment (dredge)	Bulk	10/20/2005	Set B	1.0	18	270	1.8	.3	64
300018089562300	ITC dup.	Bed sediment (dredge)	Bulk	10/20/2005	Set B	1.0	18	260	1.9	.4	68
300054090014600	NAV	Bed sediment (dredge)	Bulk	10/05/2005	Set B	.4	3.7	680	.6	.6	20
300224090021901	H2 0–0.5	Bed sediment (box core)	Bulk	9/21/2005	Set A	1.0	15	1,300	2.2	1.7	80

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Antmony	Arsenic	Barium	Beryllium	Cadmium	Chromium
Other suspended and bed sediment samples—Continued											
300224090021901	H2 0.5–1	Bed sediment (box core)	Bulk	9/21/2005	Set A	0.6	10	1,100	2.0	0.5	70
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	.7	9.8	2,000	1.9	.5	67
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	.7	9.3	1,900	1.9	.5	68
300224090021901	H2 1–2 dup.	Bed sediment (box core)	Bulk	9/21/2005	Set A	.6	10	2,000	1.9	.4	66
300224090021901	H2 2–3	Bed sediment (box core)	Bulk	9/21/2005	Set A	.7	8.3	3,200	1.9	.5	65
300224090021901	H2 3–4	Bed sediment (box core)	Bulk	9/21/2005	Set A	.9	8.4	2,700	1.8	.5	66
300224090021901	H2 4–5	Bed sediment (box core)	Bulk	9/21/2005	Set A	.9	8.7	2,000	1.9	.6	68
300224090021901	H2 0–1	Bed sediment (box core)	Bulk	10/03/2005	Set B	.7	11	1,100	2.0	.4	73
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	10/03/2005	Set B	.7	9.8	1,100	1.8	.5	66
300224090021901	H2 2–3	Bed sediment (box core)	Bulk	10/03/2005	Set B	.3	4.0	1,400	1.0	.1	29
300224090021901	H2 2–3 dup.	Bed sediment (box core)	Bulk	10/03/2005	Set B	.3	4.0	1,500	1.0	.1	30
300224090021901	H2 7–9	Bed sediment (box core)	Bulk	10/03/2005	Set B	.8	13	800	2.3	.3	85
300123090104301	D1 0–0.5	Bed sediment (box core)	Bulk	10/09/2005	Set B	.3	3.0	570	.7	<.1	23
300125090130801	C2 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	.7	10	890	1.8	.2	66
300202090125901	C1 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	.6	6.9	740	1.4	.3	46
300214090130300	ELM	Bed sediment (dredge)	Bulk	9/26/2005	Set B	.5	5.4	730	1.2	.3	37
300214090130300	ELM	Bed sediment (dredge)	Sieved (<63 μm)	9/26/2005	Set B	.5	5.2	850	1.2	.3	39
300214090130300	ELM dup.	Bed sediment (dredge)	Sieved (<63 μm)	9/26/2005	Set B	.6	5.3	920	1.2	.3	41
300214090130300	ELM	Bed sediment (dredge)	Bulk	9/30/2005	Set B	.5	5.0	820	1.1	.3	34
300214090130300	ELM dup.	Bed sediment (dredge)	Bulk	9/30/2005	Set B	.6	7.6	730	1.2	.4	41
300214090130300	ELM	Bed sediment (dredge)	Sieved (<63 μm)	9/30/2005	Set B	.6	6.5	780	1.2	.2	43
300214090130300	ELM dup.	Bed sediment (dredge)	Sieved (<63 μm)	9/30/2005	Set B	.6	8.7	540	1.4	.4	48
300236090144101	B1 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	.8	11	660	1.8	.4	64
300303090152601	A1 0–1	Bed sediment (box core)	Bulk	10/09/2005	Set B	.7	7.2	1,000	1.5	.4	54
300445089565501	K1 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	.6	9.0	550	1.6	<.2	57
Mid-lake reference site samples											
301151090075700	MID	Bed sediment (dredge)	Bulk	9/28/2005	Set B	.6	14	470	2.3	.3	79
301151090075700	MID	Bed sediment (dredge)	Bulk	10/04/2005	Set B	.7	13	490	2.5	.3	87
301151090075700	MID	Bed sediment (dredge)	Bulk	10/20/2005	Set B	.9	14	490	2.5	.3	84

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Antmony	Arsenic	Barium	Beryllium	Cadmium	Chromium
Mid-lake reference site samples—Continued											
301001089442600	RGO	Bed sediment (dredge)	Bulk	9/28/2005	Set B	<0.2	0.7	54	0.2	<0.2	5.7
301001089442600	RGO	Bed sediment (dredge)	Bulk	10/21/2005	Set B	.1	.1	17	<.1	<.1	<1
300403089481300	MNT	Bed sediment (dredge)	Bulk	9/28/2005	Set B	.1	1.1	260	.3	<.1	4.5
300403089481300	MNT	Bed sediment (dredge)	Bulk	10/21/2005	Set B	.2	1.4	290	.3	<.2	6.4
Sediment-quality guidelines											
	Threshold effect concentration (TEC)		- -	- -	- -	na	9.79	na	na	1.0	43.4
	Probable effect concentration (PEC)		- -	- -	- -	na	**33**	na	na	**4.98**	**111**
Quality-assurance samples											
	NIST 2709		- -	- -	Set A	7.9±.6	17.7±.8	968±40	nd	.4	130±4
	NIST 2709 Found		- -	- -	*Set A*	*7.8*	*19*	*950*	*5.4*	*.4*	*120*
	NIST 2711 MT. Soil		- -	- -	Set A	19.4±1.8	105±8	726±38	nd	41.70±.25	47
	NIST 2711 MT. Soil Found		- -	- -	*Set A*	*18.0*	*110*	*760*	*2.4*	*41*	*45*
	NIST 1646a		- -	- -	Set A	.3	6.23±.21	210	<1	.2	41±2
	NIST 1646a Found		- -	- -	*Set A*	*.1*	*6.4*	*220*	*1.1*	*.1*	*39*
	USGS SDO-1		- -	- -	Set A	4.1–4.8	68.5±8.6	397±38	3.3±.6	nd	66.4±7.6
	USGS SDO-1 Found		- -	- -	*Set A*	*3.9*	*72*	*340*	*3.2*	*.1*	*67*
	NIST 2709		- -	- -	Set B	7.9±.6	17.7±.8	968±40	nd	.4	130±4
	NIST 2709 Found		- -	- -	Set B	7.8	19	950	5.4	.4	120
	NIST 2709 Found		- -	- -	Set B	7.5	19	1,000	5.4	.3	120
	NIST 2709 Found		- -	- -	Set B	7.5	18	960	5.6	.3	120
	NIST 2709 Found		- -	- -	Set B	7.7	19	990	5.4	.3	110
	NIST 2709 Found (average)		- -	- -	*Set B*	*7.6*	*19*	*975*	*5.5*	*.3*	*118*

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Antmony	Arsenic	Barium	Beryllium	Cadmium	Chromium
	NIST 2711 MT. Soil	- -	- -	- -	Set B	19.4±1.8	105±8	726±38	nd	41.70±0.25	47
	NIST 2711 MT. Soil Found	- -	- -	- -	Set B	18	110	760	2.4	41	45
	NIST 2711 MT. Soil Found	- -	- -	- -	Set B	18	110	770	2.3	41	45
	NIST 2711 MT. Soil Found	- -	- -	- -	Set B	20	110	760	2.3	42	46
	NIST 2711 MT. Soil Found	- -	- -	- -	Set B	18	110	760	2.3	41	45
	NIST 2711 MT. Soil Found (average)	- -	- -	- -	*Set B*	*19*	*110*	*763*	*2.3*	*41*	*45*
	NIST 1646a	- -	- -	- -	Set B	.3	6.23±.21	210	<1	.2	41±2
	NIST 1646a Found	- -	- -	- -	Set B	.1	6.4	220	1.1	.1	39
	NIST 1646a Found	- -	- -	- -	Set B	.2	6.4	220	.9	.1	40
	NIST 1646a Found	- -	- -	- -	Set B	.4	6.4	210	.9	.1	39
	NIST 1646a Found	- -	- -	- -	Set B	.2	6.5	220	.9	.1	38
	NIST 1646a Found (average)	- -	- -	- -	*Set B*	*.2*	*6.4*	*218*	*1.0*	*.1*	*39*
	USGS SDO-1	- -	- -	- -	Set B	4.1–4.8	68.5±8.6	397±38	3.3±.6	nd	66.4±7.6
	USGS SDO-1 Found	- -	- -	- -	Set B	3.9	72	340	3.2	.1	67
	USGS SDO-1 Found	- -	- -	- -	Set B	3.9	73	250	3.1	<.1	69
	USGS SDO-1 Found	- -	- -	- -	Set B	4.1	70	180	3.1	<.1	64
	USGS SDO-1 Found (average)	- -	- -	- -	*Set B*	*4.0*	*72*	*257*	*3.1*	*.1*	*67*
	USGS MAG-1	- -	- -	- -	Set B	.96±.10	9.2±1.2	479±41	3.2±.4	.2±.1	97±8
	USGS MAG-1 Found	- -	- -	- -	Set B	.8	10	510	3.1	<.1	110
	USGS MAG-1 Found	- -	- -	- -	Set B	1.1	9.6	500	3.1	.1	100
	USGS MAG-1 Found	- -	- -	- -	Set B	.9	11	520	3.2	.1	100
	USGS MAG-1 Found (average)	- -	- -	- -	*Set B*	*.9*	*10*	*510*	*3.1*	*.1*	*103*
	USGS STM-1	- -	- -	- -	Set B	1.66±.15	4.6±.6	560±60	9.6±.6	.27±.05	4.3±2.6
	USGS STM-1 Found	- -	- -	- -	Set B	1.4	5.3	610	9.9	.2	4
	USGS STM-1 Found	- -	- -	- -	Set B	1.8	4.9	610	9.7	.2	3

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Antmony	Arsenic	Barium	Beryllium	Cadmium	Chromium
	USGS STM-1 Found	- -	- -		Set B	1.4	5.0	610	9.8	0.2	3
	USGS STM-1 Found (average)	- -	- -		*Set B*	*1.5*	*5.1*	*610*	*9.8*	*.2*	*4*
	USGS SGR-1	- -	- -		Set B	3.4±.5	67±5	290±40	1.06±.16	.93±.05	30±3
	USGS SGR-1 Found	- -	- -		Set B	2.8	71	290	1.1	.9	34
	USGS SGR-1 Found	- -	- -		Set B	3.2	71	290	1.0	1.0	30
	USGS SGR-1 Found	- -	- -		Set B	3.0	69	330	1.1	1.0	32
	USGS SGR-1 Found (average)	- -	- -		*Set B*	*3.0*	*70*	*303*	*1.1*	*1.0*	*32*
	USGS SCO-1	- -	- -		Set B	2.5±.1	12.4±1.4	570±30	1.84±.20	.1	68±5
	USGS SCO-1 Found	- -	- -		Set B	2.3	14	600	1.8	.1	69
	USGS SCO-1 Found	- -	- -		Set B	2.6	14	600	1.8	.1	70
	USGS SCO-1 Found	- -	- -		Set B	2.4	13	610	1.8	.1	69
	USGS SCO-1 Found (average)	- -	- -		*Set B*	*2.4*	*14*	*603*	*1.8*	*.1*	*69*
	USGS QLO-1	- -	- -		Set B	2.1±.4	3.5±1.8	1,370±80	1.89±.17	.05?	3.2±1.7
	USGS QLO-1 Found	- -	- -		Set B	1.8	1.7	1,500	2.0	<.1	5
	USGS QLO-1 Found	- -	- -		Set B	2.0	1.4	1,400	1.9	<.1	2
	USGS QLO-1 Found	- -	- -		Set B	1.6	1.9	1,500	1.9	<.1	3
	USGS QLO-1 Found (average)	- -	- -		*Set B*	*1.8*	*1.7*	*1,467*	*1.9*	*<.1*	*3*
	USGS GSP-2	- -	- -		Set B	nd	nd	1,340±44	1.5±.2	nd	20±6
	USGS GSP-2 Found	- -	- -		Set B	.3	1.4	1,400	1.6	<.1	21
	USGS GSP-2 Found	- -	- -		Set B	.4	1.4	1,400	1.6	.1	18
	USGS GSP-2 Found	- -	- -		Set B	.4	1.4	1,400	1.6	<.1	21
	USGS GSP-2 Found (average)	- -	- -		*Set B*	*.4*	*1.4*	*1,400*	*1.6*	*<.1*	*20*

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Cobalt	Copper	Lead	Lithium	Manga-nese	Mercury
				Zone E—17th Street Canal							
300113090064901	NO1	Street mud	Bulk	9/21/2005	Set A	12	36	61	38	770	0.13
300113090064901	NO1 dup.	Street mud	Bulk	9/21/2005	Set A	12	36	60	37	750	.09
300056090070301	FDL	Street mud	Bulk	10/03/2005	Set B	7.2	47	**170**	20	280	.15
300125090071701	E1	Suspended sediment	Bulk	9/20/2005	Set B	17	**170**	**170**	13	420	.19
300125090071701	E1	Suspended sediment	Bulk	10/03/2005	Set B	26	48	75	29	2,000	.17
300136090072001	E2	Suspended sediment	Bulk	9/20/2005	Set B	9.8	110	120	15	1,100	.15
300125090074400	MET	Bed sediment (dredge)	Bulk	9/29/2005	Set B	6.0	32	120	15	260	.14
300125090074400	MET	Bed sediment (dredge)	Sieved (<63 µm)	9/29/2005	Set B	6.3	32	120	17	320	.15
300125090074400	MET	Bed sediment (dredge)	Bulk	10/03/2005	Set B	12	92	**210**	32	640	.32
300125090074400	MET	Bed sediment (dredge)	Sieved (<63 µm)	10/03/2005	Set B	13	110	**230**	34	690	.41
300136090072001	E2 0–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	9.6	87	**200**	21	360	.28
300136090072001	E2 0–1	Bed sediment (box core)	Bulk	10/09/2005	Set B	7.7	28	70	20	390	.11
300144090072001	E3 0–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	13	47	71	29	1,200	.15
300144090072001	E3 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	13	54	86	36	830	.23
300144090072001	E3 0–2 dup.	Bed sediment (box core)	Bulk	10/09/2005	Set B	12	53	86	36	830	.19
300202090071401	E4 0–1	Bed sediment (box core)	Bulk	9/21/2005	Set A	15	40	53	47	930	.09
300202090071401	E4 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	15	39	52	42	1,100	.09
300202090071401	E4 2–3	Bed sediment (box core)	Bulk	9/21/2005	Set A	15	36	49	41	1,000	.10
300202090071401	E4 3–4	Bed sediment (box core)	Bulk	9/21/2005	Set A	13	34	47	39	940	.11
300202090071401	E4 4–6	Bed sediment (box core)	Bulk	9/21/2005	Set A	12	22	32	35	630	.07
300202090071401	E4 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	13	29	38	37	1,000	.09
300143090081401	E5 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	10	18	14	24	410	<.02
300114090083900	BON	Bed sediment (dredge)	Bulk	9/29/2005	Set B	5.5	6.8	25	12	220	.03
300114090083900	BON dup.	Bed sediment (dredge)	Bulk	9/29/2005	Set B	5.4	7.4	26	12	220	.03
				Zone G—London Avenue Canal							
300110090040401	CD	Street mud	Bulk	10/03/2005	Set B	13	68	**220**	42	450	.36
300152090042701	G1	Suspended sediment	Bulk	10/03/2005	Set B	27	52	110	29	1,400	.17

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Cobalt	Copper	Lead	Lithium	Manga-nese	Mercury
				Zone G—London Avenue Canal—Continued							
300159090043001	G2 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	3.5	5.4	17	8.7	210	0.02
300205090043401	G3 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	16	36	50	48	2,000	.09
300205090043401	G3 0–1 dup.	Bed sediment (box core)	Bulk	10/10/2005	Set B	16	37	52	47	2,000	.07
300243090043501	G4 0–2	Bed sediment (box core)	Bulk	10/10/2005	Set B	15	27	35	47	1,400	.08
300142090045800	STJ	Bed sediment (dredge)	Bulk	9/26/2005	Set B	4.7	11	24	13	230	.03
300142090045800	STJ	Bed sediment (dredge)	Sieved (<63 µm)	9/26/2005	Set B	5.1	10	26	15	280	.03
				Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	Bulk	10/04/2005	Set B	6.6	14	22	17	170	.02
300330089575801	JNK	Suspended sediment	Bulk	10/04/2005	Set B	1.3	<1	1.7	5.8	340	.02
300337089580701	J2 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	2.5	1.7	7.8	5.5	75	<.01
300344089581000	JNK	Bed sediment (dredge)	Bulk	9/27/2005	Set B	4.8	4.5	11	11	160	<.02
300344089581000	JNK dup.	Bed sediment (dredge)	Bulk	9/27/2005	Set B	4.3	4.4	12	11	160	.01
300344089581000	JNK	Bed sediment (dredge)	Sieved (<63 µm)	9/27/2005	Set B	7.7	15	17	19	410	.10
300344089581000	JNK	Bed sediment (dredge)	Bulk	10/01/2005	Set B	5.7	30	22	19	380	.05
300344089581000	JNK	Bed sediment (dredge)	Sieved (<63 µm)	10/01/2005	Set B	9.7	60	38	33	700	.16
300344089581701	J3 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	7.0	11	16	20	450	.03
300342089584101	J7 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	9.2	15	18	28	1,100	.05
300418089583801	J4 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	14	23	28	45	1,500	.19
300313089591401	J5 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	5.2	6.1	12	15	420	.12
				Other suspended and bed sediment samples							
300158090020601	H1	Suspended sediment	Bulk	9/21/2005	Set B	6.4	7.8	17	7.6	6,300	is
295808090001601	CHL	Suspended sediment	Bulk	10/04/2005	Set B	4.2	14	17	17	1,300	.04
300018089562300	ITC	Bed sediment (dredge)	Bulk	9/29/2005	Set B	10	17	18	36	790	<.01
300018089562300	ITC	Bed sediment (dredge)	Bulk	10/05/2005	Set B	6.9	10	12	18	360	.01
300018089562300	ITC	Bed sediment (dredge)	Sieved (<63 µm)	10/05/2005	Set B	9.3	16	17	27	530	.06
300018089562300	ITC	Bed sediment (dredge)	Bulk	10/20/2005	Set B	11	26	16	41	910	.04
300018089562300	ITC dup.	Bed sediment (dredge)	Bulk	10/20/2005	Set B	11	28	15	41	940	.02
300054090014600	NAV	Bed sediment (dredge)	Bulk	10/05/2005	Set B	3.5	16	23	11	200	.06
300224090021901	H2 0–0.5	Bed sediment (box core)	Bulk	9/21/2005	Set A	14	38	46	47	800	.10

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Cobalt	Copper	Lead	Lithium	Manga-nese	Mercury
Other suspended and bed sediment samples—Continued											
300224090021901	H2 0.5–1	Bed sediment (box core)	Bulk	9/21/2005	Set A	13	27	38	42	790	.07
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	12	27	40	39	710	.07
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	12	26	39	39	730	.08
300224090021901	H2 1–2 dup.	Bed sediment (box core)	Bulk	9/21/2005	Set A	12	27	40	39	690	.07
300224090021901	H2 2–3	Bed sediment (box core)	Bulk	9/21/2005	Set A	11	30	42	36	690	.10
300224090021901	H2 3–4	Bed sediment (box core)	Bulk	9/21/2005	Set A	11	34	38	36	670	.11
300224090021901	H2 4–5	Bed sediment (box core)	Bulk	9/21/2005	Set A	12	37	39	39	710	.09
300224090021901	H2 0–1	Bed sediment (box core)	Bulk	10/03/2005	Set B	13	26	37	41	1,300	.06
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	10/03/2005	Set B	11	23	33	37	1,100	.05
300224090021901	H2 2–3	Bed sediment (box core)	Bulk	10/03/2005	Set B	5.2	8.4	19	15	400	.02
300224090021901	H2 2–3 dup.	Bed sediment (box core)	Bulk	10/03/2005	Set B	5.1	8.3	16	15	390	.03
300224090021901	H2 7–9	Bed sediment (box core)	Bulk	10/03/2005	Set B	15	30	41	48	1,000	.06
300123090104301	D1 0–0.5	Bed sediment (box core)	Bulk	10/09/2005	Set B	4.1	5.3	12	10	280	<.01
300125090130801	C2 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	12	19	22	35	740	.07
300202090125901	C1 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	7.4	16	27	23	490	.04
300214090130300	ELM	Bed sediment (dredge)	Bulk	9/26/2005	Set B	6.1	11	23	18	350	.07
300214090130300	ELM	Bed sediment (dredge)	Sieved (<63 µm)	9/26/2005	Set B	6.1	12	24	19	360	.09
300214090130300	ELM dup.	Bed sediment (dredge)	Sieved (<63 µm)	9/26/2005	Set B	6.1	12	25	19	360	.07
300214090130300	ELM	Bed sediment (dredge)	Bulk	9/30/2005	Set B	6.0	10	24	16	310	.05
300214090130300	ELM dup.	Bed sediment (dredge)	Bulk	9/30/2005	Set B	6.9	16	33	20	420	.04
300214090130300	ELM	Bed sediment (dredge)	Sieved (<63 µm)	9/30/2005	Set B	6.2	12	25	18	380	.06
300214090130300	ELM dup.	Bed sediment (dredge)	Sieved (<63 µm)	9/30/2005	Set B	7.7	19	32	22	480	.09
300236090144101	B1 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	11	24	29	35	830	.05
300303090152601	A1 0–1	Bed sediment (box core)	Bulk	10/09/2005	Set B	9.1	17	26	28	580	.06
300445089565501	K1 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	11	19	22	32	2,100	.04
Mid-lake reference site samples											
301151090075700	MID	Bed sediment (dredge)	Bulk	9/28/2005	Set B	14	24	27	50	1,500	.05
301151090075700	MID	Bed sediment (dredge)	Bulk	10/04/2005	Set B	16	25	28	54	1,700	.06
301151090075700	MID	Bed sediment (dredge)	Bulk	10/20/2005	Set B	16	25	28	58	1,600	.06

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Cobalt	Copper	Lead	Lithium	Manga-nese	Mercury
				Mid-lake reference site samples—Continued							
301001089442600	RGO	Bed sediment (dredge)	Bulk	9/28/2005	Set B	<2	<2	3.0	2.2	48	<0.01
301001089442600	RGO	Bed sediment (dredge)	Bulk	10/21/2005	Set B	<1	<1	1.4	2.0	8.1	<.02
300403089481300	MNT	Bed sediment (dredge)	Bulk	9/28/2005	Set B	<1	<1	4.6	3.2	38	<.01
300403089481300	MNT	Bed sediment (dredge)	Bulk	10/21/2005	Set B	2.5	1.2	6.0	5.3	65	.02
Sediment-quality guidelines											
	Threshold effect concentration (TEC)		- -	- -	- -	na	31.6	35.8	na	na	.18
	Probable effect concentration (PEC)		- -	- -	- -	na	**149**	**128**	na	na	**1.06**
Quality-assurance samples											
	NIST 2709		- -	- -	Set A	13.4±.7	34.6±.7	18.9±.5	nd	538±17	1.40±.08
	NIST 2709 Found		- -	- -	*Set A*	*14*	*33*	*20*	*53*	*550*	*1.5*
	NIST 2711 MT. Soil		- -	- -	Set A	10	114±2	1,162±31	nd	638±28	6.25±.19
	NIST 2711 MT. Soil Found		- -	- -	*Set A*	*11*	*110*	*1,100*	*28*	*640*	*6.1*
	NIST 1646a		- -	- -	Set A	5	10±.34	12±1	17	234±3	.04
	NIST 1646a Found		- -	- -	*Set A*	*5.3*	*10*	*11*	*18*	*230*	*.05*
	USGS SDO-1		- -	- -	Set A	46.8±6.3	60.2±9.6	27.9±5.2	28.6±5.5	325±39	.19±.08
	USGS SDO-1 Found		- -	- -	*Set A*	*50*	*56*	*25*	*33*	*310*	*.17*
	NIST 2709		- -	- -	Set B	13.4±.7	34.6±.7	18.9±.5	nd	538±17	1.40±.08
	NIST 2709 Found		- -	- -	Set B	14	33	20	53	550	1.5
	NIST 2709 Found		- -	- -	Set B	14	33	18	52	520	1.4
	NIST 2709 Found		- -	- -	Set B	14	32	19	54	530	1.40
	NIST 2709 Found		- -	- -	Set B	13	33	20	51	530	1.4
	NIST 2709 Found (average)		- -	- -	*Set B*	*14*	*33*	*19*	*53*	*533*	*1.4*

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Cobalt	Copper	Lead	Lithium	Manga-nese	Mercury
	NIST 2711 MT. Soil		- -	- -	Set B	10	114±2	1,162±31	nd	638±28	6.25±0.19
	NIST 2711 MT. Soil Found		- -	- -	Set B	11	110	1,100	28	640	6.1
	NIST 2711 MT. Soil Found		- -	- -	Set B	11	120	1,200	27	630	6.1
	NIST 2711 MT. Soil Found		- -	- -	Set B	11	110	1,200	29	630	6.1
	NIST 2711 MT. Soil Found		- -	- -	Set B	10	110	1,200	27	620	6.2
	NIST 2711 MT. Soil Found (average)		- -	- -	*Set B*	*11*	*113*	*1,175*	*28*	*630*	*6.1*
	NIST 1646a		- -	- -	Set B	5.0	10±.34	12±1	17	234±3	.04
	NIST 1646a Found		- -	- -	Set B	5.3	10	11	18	230	.05
	NIST 1646a Found		- -	- -	Set B	5.0	10	12	17	230	.04
	NIST 1646a Found		- -	- -	Set B	4.9	10	11	18	230	.04
	NIST 1646a Found		- -	- -	Set B	4.4	10	10	17	230	.04
	NIST 1646a Found (average)		- -	- -	*Set B*	*4.9*	*10*	*11*	*18*	*230*	*.04*
	USGS SDO-1		- -	- -	Set B	46.8±6.3	60.2±9.6	27.9±5.2	28.6±5.5	325±39	.19±.08
	USGS SDO-1 Found		- -	- -	Set B	50	56	25	33	310	.17
	USGS SDO-1 Found		- -	- -	Set B	48	57	24	31	310	.20
	USGS SDO-1 Found		- -	- -	Set B	46	53	22	30	290	.16
	USGS SDO-1 Found (average)		- -	- -	*Set B*	*48*	*55*	*24*	*31*	*303*	*.18*
	USGS MAG-1		- -	- -	Set B	20.4±1.6	30±3	24±3	79±4	760±70	.02
	USGS MAG-1 Found		- -	- -	Set B	22	27	26	80	690	.06
	USGS MAG-1 Found		- -	- -	Set B	23	26	26	80	710	.05
	USGS MAG-1 Found		- -	- -	Set B	22	26	25	78	730	.03
	USGS MAG-1 Found (average)		- -	- -	*Set B*	*22*	*26*	*26*	*79*	*710*	*.05*
	USGS STM-1		- -	- -	Set B	.90±.15	4.6±2.0	17.7±1.8	32±8	1,700±120	.02
	USGS STM-1 Found		- -	- -	Set B	<1	2.3	17	38	1,600	.02
	USGS STM-1 Found		- -	- -	Set B	<1	3.0	16	40	1,600	.07

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Cobalt	Copper	Lead	Lithium	Manga-nese	Mercury
	USGS STM-1 Found	- -	- -		Set B	<1	1.7	16	38	1,600	0.01
	USGS STM-1 Found (average)	- -	- -		*Set B*	*<1*	*2.3*	*16*	*39*	*1,600*	*.03*
	USGS SGR-1	- -	- -		Set B	11.8±1.5	66±9	38±4	147±26	267±34	.31
	USGS SGR-1 Found	- -	- -		Set B	12	65	42	140	240	.19
	USGS SGR-1 Found	- -	- -		Set B	11	57	37	130	230	.21
	USGS SGR-1 Found	- -	- -		Set B	11	59	40	130	230	.25
	USGS SGR-1 Found (average)	- -	- -		*Set B*	*11*	*60*	*40*	*133*	*233*	*.22*
	USGS SCO-1	- -	- -		Set B	10.5±.8	28.7±1.9	31±3	45±3	408±30	.05
	USGS SCO-1 Found	- -	- -		Set B	12	26	30	44	380	.08
	USGS SCO-1 Found	- -	- -		Set B	12	27	31	47	380	.09
	USGS SCO-1 Found	- -	- -		Set B	11	26	31	43	370	.06
	USGS SCO-1 Found (average)	- -	- -		*Set B*	*12*	*26*	*31*	*45*	*377*	*.08*
	USGS QLO-1	- -	- -		Set B	7.2±.5	29±3	20.4±.8	25±2	721±49	.01
	USGS QLO-1 Found	- -	- -		Set B	8.0	26	22	27	730	.02
	USGS QLO-1 Found	- -	- -		Set B	8.2	26	20	28	680	.02
	USGS QLO-1 Found	- -	- -		Set B	7.4	26	18	25	680	<.01
	USGS QLO-1 Found (average)	- -	- -		*Set B*	*7.9*	*26*	*20*	*27*	*697*	*.02*
	USGS GSP-2	- -	- -		Set B	7±1	43±4	42±3	36±1	320±20	nd
	USGS GSP-2 Found	- -	- -		Set B	8.0	47	42	37	320	.02
	USGS GSP-2 Found	- -	- -		Set B	7.7	45	40	38	300	.04
	USGS GSP-2 Found	- -	- -		Set B	7.3	46	43	36	320	.02
	USGS GSP-2 Found (average)	- -	- -		*Set B*	*7.7*	*46*	*42*	*37*	*313*	*.03*

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Molybdenum	Nickel	Phosphorus	Selenium	Silver	Strontium	Vanadium	Zinc
					Zone E—17th Street Canal								
300113090064901	NO1	Street mud	Bulk	9/21/2005	Set A	<2.0	31	790	1.3	2.1	140	110	250
300113090064901	NO1 dup.	Street mud	Bulk	9/21/2005	Set A	<2.0	31	780	1.1	<1.0	140	110	240
300056090070301	FDL	Street mud	Bulk	10/03/2005	Set B	<2.0	20	1,000	.9	<1.0	190	69	180
300125090071701	E1	Suspended sediment	Bulk	9/20/2005	Set B	2.7	24	5,700	2.3	2.7	200	51	**2,000**
300125090071701	E1	Suspended sediment	Bulk	10/03/2005	Set B	<3.0	27	2,400	1.4	20	170	86	**640**
300136090072001	E2	Suspended sediment	Bulk	9/20/2005	Set B	<2.0	18	3,600	1.9	1.1	180	51	**840**
300125090074400	MET	Bed sediment (dredge)	Bulk	9/29/2005	Set B	<2.0	12	590	.3	<1.0	200	38	340
300125090074400	MET	Bed sediment (dredge)	Sieved (<63 μm)	9/29/2005	Set B	<2.0	15	730	.4	1.0	190	47	**470**
300125090074400	MET	Bed sediment (dredge)	Bulk	10/03/2005	Set B	1.7	31	1,100	1.4	1.1	170	92	**1,800**
300125090074400	MET	Bed sediment (dredge)	Sieved (<63 μm)	10/03/2005	Set B	1.8	**54**	1,200	1.4	<1.0	160	100	**2,000**
300136090072001	E2 0–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	1.5	23	970	1.0	1.9	170	62	**1,200**
300136090072001	E2 0–1	Bed sediment (box core)	Bulk	10/09/2005	Set B	<2.0	16	630	.3	<1.0	190	59	380
300144090072001	E3 0–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	34	840	1.8	2.2	150	87	290
300144090072001	E3 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	.73	30	960	1.3	<1.0	170	110	**640**
300144090072001	E3 0–2 dup.	Bed sediment (box core)	Bulk	10/09/2005	Set B	.76	30	950	1.2	<1.0	170	110	**650**
300202090071401	E4 0–1	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	37	940	1.2	<1.0	130	130	230
300202090071401	E4 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	37	860	1.3	1.6	140	120	170
300202090071401	E4 2–3	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	35	850	1.2	<1.0	140	120	160
300202090071401	E4 3–4	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	33	830	1.1	1.1	140	110	140
300202090071401	E4 4–6	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	27	720	.7	<1.0	150	95	110
300202090071401	E4 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	<2.0	29	790	1.2	1.3	160	110	150
300143090081401	E5 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	1.9	26	550	1.6	1.4	170	87	96
300114090083900	BON	Bed sediment (dredge)	Bulk	9/29/2005	Set B	<2.0	12	470	.2	<1.0	200	32	83
300114090083900	BON dup.	Bed sediment (dredge)	Bulk	9/29/2005	Set B	<1.0	12	460	.1	<.5	200	32	81
					Zone G—London Avenue Canal								
300110090040401	CD	Street mud	Bulk	10/03/2005	Set B	1.6	34	820	1.1	<1.0	140	120	**840**
300152090042701	G1	Suspended sediment	Bulk	10/03/2005	Set B	<2.0	**51**	3,200	2.1	11	160	90	**1,000**

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Moly-bdenum	Nickel	Phos-phorus	Selenium	Silver	Stron-tium	Vana-dium	Zinc
Zone G—London Avenue Canal—Contiued													
300159090043001	G2 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	<2.0	4.5	220	0.2	<1.0	88	22	52
300205090043401	G3 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	<2.0	35	1,000	.8	<1.0	150	140	290
300205090043401	G3 0–1 dup.	Bed sediment (box core)	Bulk	10/10/2005	Set B	<2.0	35	990	.9	<1.0	140	140	280
300243090043501	G4 0–2	Bed sediment (box core)	Bulk	10/10/2005	Set B	<2.0	33	860	.5	1.0	150	140	170
300142090045800	STJ	Bed sediment (dredge)	Bulk	9/26/2005	Set B	<2.0	8.4	470	.2	<1.0	160	33	62
300142090045800	STJ	Bed sediment (dredge)	Sieved (<63 µm)	9/26/2005	Set B	<1.0	10	620	.2	<.5	190	43	72
Zone J—Jahncke Canal													
300355089571801	ONE	Street mud	Bulk	10/04/2005	Set B	<1.0	12	580	.2	.5	190	47	180
300330089575801	JNK	Suspended sediment	Bulk	10/04/2005	Set B	<1.0	3.2	1,000	.2	<.5	250	4.8	50
300337089580701	J2 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	<1.0	1.5	150	<.1	<.5	100	12	18
300344089581000	JNK	Bed sediment (dredge)	Bulk	9/27/2005	Set B	<1.0	7.3	360	.1	<.5	180	29	54
300344089581000	JNK dup.	Bed sediment (dredge)	Bulk	9/27/2005	Set B	<2.0	7.3	350	<.2	<1.0	180	28	55
300344089581000	JNK	Bed sediment (dredge)	Sieved (<63 µm)	9/27/2005	Set B	<3.0	15	850	.4	<1.5	210	64	160
300344089581000	JNK	Bed sediment (dredge)	Bulk	10/01/2005	Set B	<2.0	12	380	.4	<1.0	220	42	150
300344089581000	JNK	Bed sediment (dredge)	Sieved (<63 µm)	10/01/2005	Set B	2.9	24	700	.7	<1.0	260	82	230
300344089581701	J3 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	<1.0	13	600	.1	.7	180	57	99
300342089584101	J7 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	<2.0	19	560	.6	<1.0	100	80	100
300418089583801	J4 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	<2.0	31	840	.3	<1.0	140	130	150
300313089591401	J5 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	<1.0	9.0	490	<.1	1.0	180	41	46
Other suspended and bed sediment samples													
300158090020601	H1	Suspended sediment	Bulk	9/21/2005	Set B	<2.0	12	1,700	3.5	<1.0	180	22	110
295808090001601	CHL	Suspended sediment	Bulk	10/04/2005	Set B	<2.0	13	1,800	.8	<.5	210	44	320
300018089562300	ITC	Bed sediment (dredge)	Bulk	9/29/2005	Set B	1.1	24	660	.8	.6	150	95	88
300018089562300	ITC	Bed sediment (dredge)	Bulk	10/05/2005	Set B	<2.0	17	450	.3	<1.0	140	54	65
300018089562300	ITC	Bed sediment (dredge)	Sieved (<63 µm)	10/05/2005	Set B	<2.0	23	650	.5	<1.0	180	80	97
300018089562300	ITC	Bed sediment (dredge)	Bulk	10/20/2005	Set B	3.0	28	710	.8	<1.0	140	110	120
300018089562300	ITC dup.	Bed sediment (dredge)	Bulk	10/20/2005	Set B	3.1	29	740	.8	<1.0	140	110	120
300054090014600	NAV	Bed sediment (dredge)	Bulk	10/05/2005	Set B	<2.0	7.4	220	.2	<1.0	220	27	84
300224090021901	H2 0–0.5	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	33	810	1.4	<1.0	130	130	**900**

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Molybdenum	Nickel	Phosphorus	Selenium	Silver	Strontium	Vanadium	Zinc
Other suspended and bed sediment samples—Continued													
300224090021901	H2 0.5–1	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	30	850	0.9	<1.0	140	110	220
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	28	870	.6	<1.0	150	100	140
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	28	890	.7	<1.0	150	100	140
300224090021901	H2 1–2 dup.	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	27	840	.5	<1.0	150	100	140
300224090021901	H2 2–3	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	27	810	.6	<1.0	170	97	150
300224090021901	H2 3–4	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	26	690	.4	<1.0	180	96	170
300224090021901	H2 4–5	Bed sediment (box core)	Bulk	9/21/2005	Set A	<2.0	29	770	.7	<1.0	190	100	170
300224090021901	H2 0–1	Bed sediment (box core)	Bulk	10/03/2005	Set B	<2.0	29	770	.7	.7	140	120	170
300224090021901	H2 1–2	Bed sediment (box core)	Bulk	10/03/2005	Set B	<2.0	25	720	.6	<1.0	140	100	180
300224090021901	H2 2–3	Bed sediment (box core)	Bulk	10/03/2005	Set B	<1.0	10	310	.2	<.5	140	43	69
300224090021901	H2 2–3 dup.	Bed sediment (box core)	Bulk	10/03/2005	Set B	<1.0	10	300	.1	<.5	140	43	75
300224090021901	H2 7–9	Bed sediment (box core)	Bulk	10/03/2005	Set B	<2.0	34	810	.7	<1.0	140	140	150
300123090104301	D1 0–0.5	Bed sediment (box core)	Bulk	10/09/2005	Set B	<1.0	5.8	400	.2	<.5	160	27	38
300125090130801	C2 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	<2.0	25	740	.5	<1.0	170	100	100
300202090125901	C1 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	<2.0	17	660	.6	<1.0	190	67	93
300214090130300	ELM	Bed sediment (dredge)	Bulk	9/26/2005	Set B	<1.0	14	590	.3	<.5	200	50	99
300214090130300	ELM	Bed sediment (dredge)	Sieved (<63 µm)	9/26/2005	Set B	<1.0	14	640	.3	<.5	190	54	100
300214090130300	ELM dup.	Bed sediment (dredge)	Sieved (<63 µm)	9/26/2005	Set B	<1.0	14	650	.3	<.5	200	54	97
300214090130300	ELM	Bed sediment (dredge)	Bulk	9/30/2005	Set B	<1.0	13	560	.3	<.5	190	44	90
300214090130300	ELM dup.	Bed sediment (dredge)	Bulk	9/30/2005	Set B	.84	16	600	.4	1.2	180	58	140
300214090130300	ELM	Bed sediment (dredge)	Sieved (<63 µm)	9/30/2005	Set B	<2.0	15	740	.3	<1.0	200	55	110
300214090130300	ELM dup.	Bed sediment (dredge)	Sieved (<63 µm)	9/30/2005	Set B	<2.0	18	690	.5	<1.0	190	65	160
300236090144101	B1 0–2	Bed sediment (box core)	Bulk	10/09/2005	Set B	<2.0	27	780	1.1	<1.0	160	100	140
300303090152601	A1 0–1	Bed sediment (box core)	Bulk	10/09/2005	Set B	<1.0	20	570	.7	<.5	190	78	92
300445089565501	K1 0–1	Bed sediment (box core)	Bulk	10/10/2005	Set B	<2.0	22	660	.5	<1.0	140	91	95
Mid-lake reference site samples													
301151090075700	MID	Bed sediment (dredge)	Bulk	9/28/2005	Set B	.9	34	660	.7	<.5	110	140	130
301151090075700	MID	Bed sediment (dredge)	Bulk	10/04/2005	Set B	<2.0	37	700	.7	<1.0	110	150	140
301151090075700	MID	Bed sediment (dredge)	Bulk	10/20/2005	Set B	3.4	37	740	.6	<.5	120	150	140

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Moly-bdenum	Nickel	Phos-phorus	Selenium	Silver	Stron-tium	Vana-dium	Zinc
Mid-lake reference site samples—Continued													
301001089442600	RGO	Bed sediment (dredge)	Bulk	9/28/2005	Set B	<2.0	<2	48	<0.2	<1.0	16	7.9	5.9
301001089442600	RGO	Bed sediment (dredge)	Bulk	10/21/2005	Set B	<1.0	1.1	16	<.1	.5	3.4	<1	1.6
300403089481300	MNT	Bed sediment (dredge)	Bulk	9/28/2005	Set B	<1.0	2.1	85	<.1	.6	56	6.0	6.0
300403089481300	MNT	Bed sediment (dredge)	Bulk	10/21/2005	Set B	<2.0	4.9	100	<.2	<1.0	77	9.1	10
Sediment-quality guidelines													
	Threshold effect concentration (TEC)	- -	- -	- -		na	22.7	na	na	na	na	na	121
	Probable effect concentration (PEC)	- -	- -	- -		na	**48.6**	na	na	na	na	na	**459**
Quality-assurance samples													
	NIST 2709	- -	- -		Set A	2.0	88±5	620±50	1.57±.08	.41±.03	231±2	112±5	106±3
	NIST 2709 Found	- -	- -		*Set A*	*2.0*	*85*	*620*	*1.6*	*<.5*	*230*	*110*	*110*
	NIST 2711 MT. Soil	- -	- -		Set A	1.6	20.6±1.1	860±70	1.52±.14	4.63±.39	245.3±.7	81.6±2.9	350.4±4.8
	NIST 2711 MT. Soil Found	- -	- -		*Set A*	*1.4*	*20*	*820*	*1.4*	*4.8*	*240*	*80*	*360*
	NIST 1646a	- -	- -		Set A	1.8	23	270±10	.19±.03	<.3	68	45±1	49±2
	NIST 1646a Found	- -	- -		*Set A*	*1.4*	*22*	*270*	*.2*	*<.5*	*70*	*43*	*48*
	USGS SDO-1	- -	- -		Set A	134±21	99.5±9.9	480±31	1.9–6.8	.1–.2	75.1±11	160±21	64.1±6.9
	USGS SDO-1 Found	- -	- -		*Set A*	*150*	*92*	*490*	*1.9*	*<.5*	*80*	*160*	*60*
	NIST 2709	- -	- -		Set B	2.0	88±5	620±50	1.57±.08	.41±.03	231±2	112±5	106±3
	NIST 2709 Found	- -	- -		Set B	2.0	85	620	1.6	<.5	230	110	110
	NIST 2709 Found	- -	- -		Set B	1.4	85	600	1.6	<.5	240	110	110
	NIST 2709 Found	- -	- -		Set B	3.0	89	630	1.6	<.5	240	110	110
	NIST 2709 Found	- -	- -		Set B	1.9	88	620	1.6	<.5	240	110	110
	NIST 2709 Found (average)	- -	- -		*Set B*	*2.1*	*87*	*618*	*1.6*	*<.5*	*238*	*110*	*110*

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Moly-bdenum	Nickel	Phos-phorus	Selenium	Silver	Stron-tium	Vana-dium	Zinc
	NIST 2711 MT. Soil		- -	- -	Set B	1.6	20.6±1.1	860±70	1.52±0.14	4.63±0.39	245.3±0.7	81.6±2.9	350.4±4.8
	NIST 2711 MT. Soil Found		- -	- -	Set B	1.4	20	820	1.4	4.8	240	80	360
	NIST 2711 MT. Soil Found		- -	- -	Set B	1.0	19	810	1.4	4.3	250	80	350
	NIST 2711 MT. Soil Found		- -	- -	Set B	2.0	20	860	1.4	4.9	250	83	360
	NIST 2711 MT. Soil Found		- -	- -	Set B	1.6	19	800	1.4	4.2	250	79	350
	NIST 2711 MT. Soil Found (average)		- -	- -	*Set B*	*1.5*	*20*	*823*	*1.4*	*4.6*	*248*	*81*	*355*
	NIST 1646a		- -	- -	Set B	1.8	23	270±10	.19±.03	<.3	68	45±1	49±2
	NIST 1646a Found		- -	- -	Set B	1.4	22	270	.2	<.5	70	43	48
	NIST 1646a Found		- -	- -	Set B	1.2	21	260	.1	<.5	73	44	48
	NIST 1646a Found		- -	- -	Set B	1.8	21	290	.2	<.5	70	44	50
	NIST 1646a Found		- -	- -	Set B	1.8	21	260	.2	<.5	70	43	47
	NIST 1646a Found (average)		- -	- -	*Set B*	*1.6*	*21*	*270*	*.2*	*<.5*	*71*	*44*	*48*
	USGS SDO-1		- -	- -	Set B	134±21	99.5±9.9	480±31	1.9–6.8	.1–.2	75.1±11	160±21	64.1±6.9
	USGS SDO-1 Found		- -	- -	Set B	150	92	490	1.9	<.5	80	160	60
	USGS SDO-1 Found		- -	- -	Set B	150	91	480	2.0	<.5	85	160	71
	USGS SDO-1 Found		- -	- -	Set B	140	91	460	1.9	<.5	80	150	67
	USGS SDO-1 Found (average)		- -	- -	*Set B*	*147*	*91*	*477*	*1.9*	*<.5*	*82*	*157*	*66*
	USGS MAG-1		- -	- -	Set B	1.6±.6	53±8	710±90	1.16±.12	.1	146±15	140±6	130±6
	USGS MAG-1 Found		- -	- -	Set B	<1.0	47	700	1.3	<.5	150	140	140
	USGS MAG-1 Found		- -	- -	Set B	2.0	47	750	1.2	<.5	150	140	140
	USGS MAG-1 Found		- -	- -	Set B	1.0	48	710	1.3	<.5	150	140	140
	USGS MAG-1 Found (average)		- -	- -	*Set B*	*1.5*	*47*	*720*	*1.3*	*<.5*	*150*	*140*	*140*
	USGS STM-1		- -	- -	Set B	5.2±.9	3.0±1.6	690±60	.008±.002	.1	700±30	8.7±5.2	235±22
	USGS STM-1 Found		- -	- -	Set B	4.9	<1	690	<.1	<.5	700	1.2	260
	USGS STM-1 Found		- -	- -	Set B	6.0	2.1	730	<.1	<.5	700	3.0	260

Table 3. Major and trace element concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sediment analyzed	Sample date	Sample set number	Moly-bdenum	Nickel	Phos-phorus	Selenium	Silver	Stron-tium	Vana-dium	Zinc
	USGS STM-1 Found	- -	- -		Set B	5.0	1.7	700	<0.1	<0.5	680	3.0	250
	USGS STM-1 Found (average)	- -	- -		*Set B*	*5.3*	*1.9*	*707*	*<.1*	*<.5*	*693*	*2.4*	*257*
	USGS SGR-1	- -	- -		Set B	35.1±.9	29±5	1,430±290	3.5±.28	.01–.20	420±30	128±6	74±9
	USGS SGR-1 Found	- -	- -		Set B	33	27	1,200	3.8	<.5	410	130	80
	USGS SGR-1 Found	- -	- -		Set B	32	26	1,200	3.2	<.5	390	120	79
	USGS SGR-1 Found	- -	- -		Set B	33	27	1,200	3.7	<.5	390	120	75
	USGS SGR-1 Found (average)	- -	- -		*Set B*	*33*	*27*	*1,200*	*3.6*	*<.5*	*397*	*123*	*78*
	USGS SCO-1	- -	- -		Set B	1.37±.16	27±4	900±90	.89±.06	.1	174±16	131±13	103±8
	USGS SCO-1 Found	- -	- -		Set B	<1	23	890	.8	.5	180	130	110
	USGS SCO-1 Found	- -	- -		Set B	2.0	24	930	.9	<.5	180	130	110
	USGS SCO-1 Found	- -	- -		Set B	1.2	24	870	1.0	<.5	180	130	100
	USGS SCO-1 Found (average)	- -	- -		*Set B*	*1.6*	*24*	*897*	*.9*	*<.5*	*180*	*130*	*107*
	USGS QLO-1	- -	- -		Set B	2.6±.3	5.8±3.6	1,110±70	.009±.002	.1	336±12	54±6	61±3
	USGS QLO-1 Found	- -	- -		Set B	2.4	<1	1,200	<.1	<.5	350	51	65
	USGS QLO-1 Found	- -	- -		Set B	3.0	3.0	1,200	<.1	<.5	340	49	65
	USGS QLO-1 Found	- -	- -		Set B	3.1	3.0	1,100	<.1	<.5	330	48	63
	USGS QLO-1 Found (average)	- -	- -		*Set B*	*2.8*	*3.0*	*1,167*	*<.1*	*<.5*	*340*	*49*	*64*
	USGS GSP-2	- -	- -		Set B	2.1±.6	17±2	1,300±100	nd	nd	240±10	52±4	120±10
	USGS GSP-2 Found	- -	- -		Set B	1.6	15	1,300	<.1	<.5	250	55	130
	USGS GSP-2 Found	- -	- -		Set B	3.0	15	1,300	<.1	<.5	250	53	130
	USGS GSP-2 Found	- -	- -		Set B	2.4	16	1,300	.1	<.5	260	54	120
	USGS GSP-2 Found (average)	- -	- -		*Set B*	*2.3*	*15*	*1,300*	*<.1*	*<.5*	*253*	*54*	*127*

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005.

[All concentrations in micrograms per kilogram except where indicated. Concentration in bold exceeds probable effect concentration (MacDonald and others, 2000). ID, identifier; cm, centimeters; <, nondetection at indicated value; E, estimated value; dup., duplicate; - -, not applicable; na, not available; nr, not reported by lab; nd, not detected]

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	beta-HCH	alpha-HCH	Aldrin	Lindane	*p,p'*-DDD	*p,p'*-DDE
				Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	200527104	<1.0	<3.0	<4.0	<1.0	6.8	4.1
300056090070301	FDL	Street mud	10/03/2005	200528605	<.5	<1.5	E1.5	<.5	27	13
300125090071701	E1	Suspended sediment	9/20/2005	200527104	<95	<290	<380	<95	<480	<290
300136090072001	E2	Suspended sediment	9/20/2005	200527104	<69	<210	<280	<69	<350	<210
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532509	<.5	<1.5	<2.0	<.5	E5.1	18
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527104	<1.0	<3.0	<4.0	<1.0	E24	E9.3
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	200529704	<.5	<1.5	<2.0	<.5	13	5.5
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<9.0	<28	<38	<9.0	**95**	**52**
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.0	<3.0	<4.0	<1.0	14	5.8
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	200527104	<1.0	<3.0	<4.0	<1.0	4.4	3.3
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.0	<3.0	<4.0	<1.0	<5.0	<3.0
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.0	<3.0	<4.0	<1.0	<5.0	<3.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532509	<.5	<1.5	<2.0	<.5	E1.4	E1.0
				Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	200528605	<.5	<1.5	<2.0	<.5	**44**	20
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529903	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.5	<4.5	<6.0	<1.5	<7.5	<4.5
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529903	<1.5	<4.5	<6.0	<1.5	<7.5	<4.5
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532509	<.5	<1.5	<2.0	<.5	E1.6	1.6
				Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	200528605	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300330089575801	JNK	Suspended sediment	10/04/2005	200528605	<63	<189	<252	<63	<315	<189
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529903	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532509	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532604	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529903	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.5	<4.5	<6.0	<1.5	<7.5	<4.5

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	beta-HCH	alpha-HCH	Aldrin	Lindane	*p,p'*-DDD	*p,p'*-DDE
				Zone G—Jahncke Canal—Continued						
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<3.0	<4.0	<1.0	<5.0	<3.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529903	<.5	<1.5	<2.0	<.5	<2.5	<1.5
				Other suspended and bed sediment samples						
300158090020601	H1	Suspended sediment	9/21/2005	200527104	<130	<380	<500	<130	<630	<380
295808090001601	CHL	Suspended sediment	10/04/2005	200528605	<8.0	<20	<26	<8.0	<32	<20
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532509	<1.0	<3.0	<4.0	<1.0	<5.0	<3.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532604	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532604	<1.0	<3.0	<4.0	<1.0	<5.0	<3.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532604	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	200527104	<4.0	<12	<16	<4.0	<20	<12
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	200527104	<.5	<1.5	<2.0	<.5	<2.5	E.85
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	200529704	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.0	<3.0	<4.0	<1.0	<5.0	<3.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529704	<.5	<1.5	<2.0	<.5	3.2	E1.5
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532509	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532509	<.5	<1.5	<2.0	<.5	3.3	5.3
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532509	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.5	<4.6	<6.0	<1.5	<7.5	<4.5
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529704	<.5	<1.5	<2.0	<.5	E1.9	E1.0
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.5	<4.5	<6.0	<1.5	<7.5	<4.5
				Mid-lake reference site samples						
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532509	<1.0	<3.0	<4.0	<1.0	<5.0	<3.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532604	<1.0	<3.0	<4.0	<1.0	<5.0	<3.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532604	<1.0	<3.0	<4.0	<1.0	<5.0	<3.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532604	<.5	<1.5	<2.0	<.5	<2.5	<1.5
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532604	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532509	<.5	<1.5	<2.0	<.5	<2.5	<1.5
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532604	<.5	<1.5	<2.0	<.5	<2.5	<1.5

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	beta-HCH	alpha-HCH	Aldrin	Lindane	*p,p'*-DDD	*p,p'*-DDE
Sediment-quality guidelines										
		Threshold effect concentration (TEC)	- -	- -	na	na	na	2.37	4.88	3.16
		Probable effect concentration (PEC)	- -	- -	na	na	na	**4.99**	**28**	**31.3**
Quality-assurance samples										
		Blank	- -	200527104	<0.50	<1.5	<2.0	<.50	<2.5	<1.5
		Spike, in percent recovered (acceptable range)	- -	200527104	84 (45–85)	72 (35–77)	86 (32–101)	72 (29–81)	na	88 (51–120)
		Blank	- -	200528605	<.50	<1.5	<2.0	<.50	<2.5	<1.5
		Spike, in percent recovered (acceptable range)	- -	200528605	1.4 (47–87)	1.1 (39–79)	1.6 (33–99)	1.2 (30–84)	1.2 (22–110)	1.5 (49–121)
		Blank	- -	200529704	<.50	<1.5	<2.0	<.50	<2.5	<1.5
		Spike, in percent recovered (acceptable range)	- -	200529704	70 (47–87)	60 (39–79)	95 (33–99)	70 (30–84)	50 (22–110)	70 (49–121)
		Blank	- -	200529903	<.50	<1.5	<2.0	<.50	<2.5	<1.5
		Spike, in percent recovered (acceptable range)	- -	200529903	70 (47–87)	54 (39–79)	75 (33–99)	54 (30–84)	80 (22–110)	64 (49–121)
		Blank	- -	200532509	<.50	<1.5	<2.0	<.50	<2.5	<1.5
		Spike, in percent recovered (acceptable range)	- -	200532509	77 (47–87)	74 (39–79)	80 (33–99)	78 (30–84)	78 (22–110)	87 (49–121)
		Blank	- -	200532604	<.50	<1.5	<2.0	<.50	<2.5	<1.5
		Spike, in percent recovered (acceptable range)	- -	200532604	79 (47–87)	74 (39–79)	45 (33–99)	71 (30–84)	86 (22–110)	60 (49–121)

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	*p,p'*-DDT	Dieldrin	alpha-Endosulfan	Endrin	Toxaphene
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	22	6.9	<1.0	<2.0	<400
300056090070301	FDL	Street mud	10/03/2005	200528605	6.0	27	<.5	<1.0	<200
300125090071701	E1	Suspended sediment	9/20/2005	200527104	<190	<95	<95	<190	<38,000
300136090072001	E2	Suspended sediment	9/20/2005	200527104	<140	<69	<69	<140	<28,000
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532509	<1.0	2.7	<.5	<1.0	<200
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527104	E2.5	E15	<1.0	<2.0	<400
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	200529704	<7.2	4.7	<.5	<1.0	<200
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	E12	51	<9.0	<19	<3,800
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	200529704	<11	6.2	<1.0	<2.0	<400
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	200527104	<1.0	1.8	<1.0	<2.0	<400
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	200529704	<7.6	1.1	<1.0	<2.0	<400
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	E.71	<1.0	<2.0	<400
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532509	<1.0	.82	<.5	<1.0	<200
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200528605	2.6	12	<.5	<1.0	<200
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	1.8	<.5	<1.0	<200
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	E1.5	<1.5	<3.0	<600
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529903	<3.0	<1.5	<1.5	<3.0	<600
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532509	<1.0	1.5	<.5	<1.0	<200
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200528605	E.59	E.36	<.5	<1.0	<200
300330089575801	JNK	Suspended sediment	10/04/2005	200528605	<126	<63	<63	<126	<25,200
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<.5	<.5	<1.0	<200
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532509	<1.0	<.5	<.5	<1.0	<200
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532604	<1.0	<.5	<.5	<1.0	<200
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529903	<2.3	<.5	<.5	<1.0	<200
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<1.5	<1.5	<3.0	<600

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	*p,p'*-DDT	Dieldrin	alpha-Endosulfan	Endrin	Toxaphene
				Zone J—Jahncke Canal—Continued					
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529903	<2.0	<1.0	<1.0	<2.0	<400
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<.5	<.5	<1.0	<200
				Other suspended and bed sediment samples					
300158090020601	H1	Suspended sediment	9/21/2005	200527104	<250	<130	<130	<250	<50,000
295808090001601	CHL	Suspended sediment	10/04/2005	200528605	<13	14	<8.0	<13	<2,600
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532509	<2.0	<1.0	<1.0	<2.0	<400
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532604	<1.0	<.5	<.5	<1.0	<200
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<1.0	<1.0	<2.0	<400
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532604	<1.0	<.5	<.5	<1.0	<200
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	200527104	<8.0	<4.0	<4.0	<8.0	<1,600
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	200527104	<1.0	<.5	<.5	<1.0	<200
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	200529704	<4.5	<.5	<.5	<1.0	<200
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529704	<7.3	<1.0	<1.0	<2.0	<400
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529704	<7.2	3.0	<.5	<1.0	<200
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<.5	<.5	<1.0	<200
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532509	<1.0	.51	<.5	<1.0	<200
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532509	<1.0	E.33	<.5	<1.0	<200
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	200529704	<18	1.7	<1.5	<3.0	<600
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529704	<5.4	<.5	<.5	<1.0	<200
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<1.5	<1.5	<3.0	<600
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532509	<2.0	<1.0	<1.0	<2.0	<400
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532604	<2.0	<1.0	<1.0	<2.0	<400
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<1.0	<1.0	<2.0	<400
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532604	<1.0	<.5	<.5	<1.0	<200
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<.5	<.5	<1.0	<200
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532509	<1.0	<.5	<.5	<1.0	<200
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<.5	<.5	<1.0	<200

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	*p,p'*-DDT	Dieldrin	alpha-Endosulfan	Endrin	Toxaphene
Sediment-quality guidelines									
	Threshold effect concentration (TEC)		- -	- -	4.16	1.9	na	2.22	na
	Probable effect concentration (PEC)		- -	- -	**62.9**	**61.8**	na	**207**	na
Quality-assurance samples									
	Blank		- -	200527104	<1.0	<.50	<.50	<1.0	<200
	Spike, in percent recovered (acceptable range)		- -	200527104	104 (32–101)	74 (35–101)	71 (32–86)	80 (39–105)	<200 (not spiked)
	Blank		- -	200528605	<1.0	<.50	<.50	<1.0	<200
	Spike, in percent recovered (acceptable range)		- -	200528605	1.4 (37–99)	1.3 (40–98)	1.3 (39–83)	1.3 (39–111)	<200 (not spiked)
	Blank		- -	200529704	3.6	<.50	<.50	<1.0	<200
	Spike, in percent recovered (acceptable range)		- -	200529704	0 (37–99)	75 (40–98)	75 (39–83)	80 (39–111)	<200 (not spiked)
	Blank		- -	200529903	<1.0	<.50	<.50	<1.0	<200
	Spike, in percent recovered (acceptable range)		- -	200529903	81 (37–99)	73 (40–98)	74 (39–83)	72 (39–111)	<200 (not spiked)
	Blank		- -	200532509	<1.0	<.50	<.50	<1.0	<200
	Spike, in percent recovered (acceptable range)		- -	200532509	80 (37–99)	68 (40–98)	64 (39–83)	36 (39–111)	<200 (not spiked)
	Blank		- -	200532604	<1.0	<.50	<.50	<1.0	<200
	Spike, in percent recovered (acceptable range)		- -	200532604	63 (37–99)	100 (40–98)	73 (39–83)	98 (39–111)	<200 (not spiked)

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	Heptachlor	Heptachlor epoxide	*p,p'*-Methoxychlor	PCB Aroclor 1254	PCB Aroclor 1260
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<2.0	<3.0	<7.0	16	23
300056090070301	FDL	Street mud	10/03/2005	200528605	E.53	E.82	<3.5	29	55
300125090071701	E1	Suspended sediment	9/20/2005	200527104	<190	<290	<670	<950	<950
300136090072001	E2	Suspended sediment	9/20/2005	200527104	<140	<210	<490	<700	<700
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532509	<1.0	<5.0	<4.0	59	E580
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527104	<2.0	E2.2	<7.0	E29	E49
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.5	<3.5	22	33
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<19	<28	<66	200	320
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<3.0	<7.0	18	30
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	200527104	<2.0	<3.0	<7.0	13	23
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<3.0	<7.0	<17	E6.7
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<3.0	<7.0	<10	<10
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532509	<1.0	<1.5	<4.0	E5.0	E3.0
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200528605	<1.0	<1.5	<3.5	78	47
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.5	<3.5	<5.0	E6.6
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<4.5	<11	E8.9	24
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529903	<3.0	<4.5	<11	<15	<15
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532509	<1.0	<1.5	<4.0	E7.0	9.0
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200528605	<1.0	<1.5	<3.5	E5.3	<5.0
300330089575801	JNK	Suspended sediment	10/04/2005	200528605	<126	<189	<441	<630	<630
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.5	<3.5	<5.0	<5.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532509	<1.0	<1.5	<4.0	<5.0	<5.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532604	<1.0	<1.5	<3.5	67	27
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.5	<3.5	E3.5	E2.3
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<4.5	<11	<15	<15

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	Heptachlor	Heptachlor epoxide	*p,p'*-Methoxychlor	PCB Aroclor 1254	PCB Aroclor 1260
			Zone J—Jahncke Canal—Continued						
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529903	<2.0	<3.0	<7.0	<10	<10
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.5	<3.5	<5.0	<5.0
			Other suspended and bed sediment samples						
300158090020601	H1	Suspended sediment	9/21/2005	200527104	<250	<380	<880	<1,300	<1,300
295808090001601	CHL	Suspended sediment	10/04/2005	200528605	<13	<20	<46	<65	<65
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532509	<2.0	<3.0	<7.0	E13	23
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532604	<1.0	<1.5	<3.5	42	15
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<3.0	<7.0	E5.0	E5.9
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532604	<1.0	<1.5	<3.5	11	E4.8
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	200527104	<8.0	<12	<28	<40	<40
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	200527104	<1.0	<1.5	<3.5	9.6	8.2
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.5	<3.5	<5.0	<5.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<3.0	<7.0	<10	<10
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.5	<3.5	<5.0	<5.0
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.5	<3.5	<5.0	<5.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532509	<1.0	<1.5	<4.0	E25	22
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.5	<4.0	<5.0	<5.0
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	200529704	<3.0	<4.5	<11	<15	<15
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.5	<3.5	<5.0	<5.0
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<4.5	<11	<15	<15
			Mid-lake reference site samples						
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532509	<2.0	<2.0	<7.0	<10	<10
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532604	<2.0	<3.0	<7.0	<10	<10
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<3.0	<7.0	<10	<10
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532604	<1.0	<1.5	<3.5	<5.0	<5.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.5	<3.5	<5.0	<5.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532509	<1.0	<1.5	<4.0	<5.0	<5.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.5	<3.5	<5.0	<5.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	Heptachlor	Heptachlor epoxide	*p,p'*-Methoxychlor	PCB Aroclor 1254	PCB Aroclor 1260
Sediment-quality guidelines									
		Threshold effect concentration (TEC)	- -	- -	na	2.47	na	na	na
		Probable effect concentration (PEC)	- -	- -	na	**16.0**	na	na	na
Quality-assurance samples									
		Blank	- -	200527104	<1.0	<1.5	<3.5	<5.0	<5.0
		Spike, in percent recovered (acceptable range)	- -	200527104	52 (24–91)	93 (35–93)	84 (27–118)	97 (45–127)	93 (47–125)
		Blank	- -	200528605	<1.0	<1.5	<3.5	<5.0	<5.0
		Spike, in percent recovered (acceptable range)	- -	200528605	1.2 (21–98)	1.4 (43–88)	.9 (7–135)	9.5 (43–131)	9.7 (50–122)
		Blank	- -	200529704	<1.0	<1.5	<3.5	<5.0	<5.0
		Spike, in percent recovered (acceptable range)	- -	200529704	65 (21–98)	80 (43–88)	60 (7–135)	108 (43–131)	82 (50–122)
		Blank	- -	200529903	<1.0	<1.5	<3.5	<5.0	<5.0
		Spike, in percent recovered (acceptable range)	- -	200529903	10 (21–98)	72 (43–88)	81 (7–135)	130 (43–131)	110 (50–122)
		Blank	- -	200532509	<1.0	<1.5	<3.5	<5.0	<5.0
		Spike, in percent recovered (acceptable range)	- -	200532509	64 (21–98)	64 (43–88)	18 (7–135)	112 (43–131)	90 (50–122)
		Blank	- -	200532604	<1.0	<1.5	<3.5	<5.0	<5.0
		Spike, in percent recovered (acceptable range)	- -	200532604	41 (21–98)	81 (43–88)	108 (7–135)	92 (43–131)	72 (50–122)

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	Hexa-chloro-benzene	Mirex	PCB Aroclor 1016/1242	*cis*-Chlordane	*trans*-Chlordane	*trans*-Nonachlor
				Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	200527104	<6.0	<3.0	16	7.9	11	5.1
300056090070301	FDL	Street mud	10/03/2005	200528605	<3.0	<1.5	<16	26	43	15
300125090071701	E1	Suspended sediment	9/20/2005	200527104	<570	<290	<950	<190	<95	<190
300136090072001	E2	Suspended sediment	9/20/2005	200527104	<420	<210	<700	<140	<69	<140
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532509	<3.0	<1.5	44	19	E52	9.9
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527104	<6.0	<3.0	E30	E21	E33	E13
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	200529704	<3.0	<1.5	<47	10	16	6.1
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	E43	<280	190	76	130	60
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	200529704	<6.0	<3.0	<22	12	19	9.4
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	200527104	<6.0	<3.0	16	3.5	6.5	3.0
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	200529704	<6.0	<3.0	<10	E1.6	2.8	E1.4
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	200529704	<6.0	<3.0	<10	<2.0	<1.0	<2.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532509	<3.0	<1.5	<5.0	1.6	3.4	1.6
				Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	200528605	E1.3	<1.5	54	38	54	12
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<1.5	<5	E.60	.85	<1.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529903	<9.0	<4.5	<15	E2.1	3.2	<3.0
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529903	<9.0	<4.5	<15	<3.0	<1.5	<3.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532509	<3.0	<1.5	E3.1	2.8	4.2	2.4
				Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	200528605	<3.0	<1.5	<5.0	<1.0	E.46	<1.0
300330089575801	JNK	Suspended sediment	10/04/2005	200528605	<378	<189	<630	<126	<63	<126
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<1.5	<5.0	<1.0	<.5	<1.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532509	<3.0	<1.5	<5.0	<1.0	<.5	<1.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532604	<3.0	<1.5	15	<1.0	1.1	E.76
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<1.5	<5.0	<1.0	E.32	<1.0
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529903	<9.0	<4.5	<15	<3.0	<1.5	<3.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	Hexa-chloro-benzene	Mirex	PCB Aroclor 1016/1242	*cis*-Chlordane	*trans*-Chlordane	*trans*-Nonachlor
Zone J—Jahncke Canal—Continued										
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529903	<6.0	<3.0	<10	<2.0	<1.0	<2.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<1.5	<5.0	<1.0	<.5	<1.0
Other suspended and bed sediment samples										
300158090020601	H1	Suspended sediment	9/21/2005	200527104	<750	<380	<1,300	<250	<130	<250
295808090001601	CHL	Suspended sediment	10/04/2005	200528605	<39	<20	<65	15	16	E9.4
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532509	<6.0	<3.0	E5.9	<2.0	1.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532604	<3.0	<1.5	E7.1	<1.0	<.5	<1.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532604	<6.0	<3.0	<10	<2.0	<1.0	<2.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532604	<3.0	<1.5	E3.8	<1.0	<.5	<1.0
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	200527104	<24	<12	<40	<8.0	<4.0	<8.0
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	200527104	<3.0	<1.5	7.0	E.49	.57	<1.0
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	200529704	<3.0	<1.5	<5.0	<1.0	<.5	<1.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529704	<6.0	<3.0	<10	<2.0	<1.0	<2.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.5	<1.5	<25	5.6	8.7	3.5
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532509	<3.0	<1.5	<5.0	<1.0	<.5	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532509	<3.0	<1.5	E20	1.3	1.7	E.51
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532509	<3.0	<1.5	<5.0	E.50	1.1	<1.0
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	200529704	<9.0	<4.5	<15	<3.0	2.5	<3.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529704	<3.0	<1.5	<5.0	<1.0	<.5	<1.0
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529903	<9.0	<4.5	<15	<3.0	<1.5	<3.0
Mid-lake reference site samples										
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532509	<6.0	<3.0	<10	<2.0	<1.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532604	<6.0	<3.0	<10	<2.0	<1.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532604	<6.0	<3.0	<10	<2.0	<1.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532604	<3.0	<1.5	<5.0	<1.0	<.5	<1.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532604	<3.0	<1.5	<5.0	<1.0	<.5	<1.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532509	<3.0	<1.5	<5.0	<1.0	<.5	<1.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532604	<3.0	<1.5	<5.0	<1.0	<.5	<1.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	Hexa-chloro-benzene	Mirex	PCB Aroclor 1016/1242	*cis*-Chlordane	*trans*-Chlordane	*trans*-Nonachlor
Sediment-quality guidelines										
		Threshold effect concentration (TEC)	- -	- -	na	na	na	na	na	na
		Probable effect concentration (PEC)	- -	- -	na	na	na	na	na	na
Quality-assurance samples										
		Blank	- -	200527104	<3.0	<1.5	<5.0	<1.0	<.50	<1.0
		Spike, in percent recovered (acceptable range)	- -	200527104	60 (28–84)	95 (46–93)	72 (30–110)	80 (0–100)	85 (0–100)	70 (50–82)
		Blank	- -	200528605	<3.0	<1.5	<5.0	<1.0	<.50	<1.0
		Spike, in percent recovered (acceptable range)	- -	200528605	1.6 (29–83)	1.7 (46–98)	8.6 (29–109)	1.4 (43–87)	1.4 (48–84)	1.2 (46–90)
		Blank	- -	200529704	3.5	<1.5	<5.0	<1.0	<.50	<1.0
		Spike, in percent recovered (acceptable range)	- -	200529704	95 (29–83)	65 (46–98)	65 (29–109)	80 (43–87)	80 (48–84)	80 (46–90)
		Blank	- -	200529903	<3.0	<1.5	<5.0	<1.0	<.50	<1.0
		Spike, in percent recovered (acceptable range)	- -	200529903	63 (29–83)	100 (46–98)	<5.0 (29–109)	79 (43–87)	74 (48–84)	80 (46–90)
		Blank	- -	200532509	<3.0	<1.5	<5.0	<1.0	<.50	<1.0
		Spike, in percent recovered (acceptable range)	- -	200532509	81 (29–83)	83 (46–98)	84 (29–109)	82 (43–87)	82 (48–84)	82 (46–90)
		Blank	- -	200532604	<3.0	<1.5	<5.0	<1.0	<.50	<1.0
		Spike, in percent recovered (acceptable range)	- -	200532604	50 (29–83)	69 (46–98)	103 (29–109)	82 (43–87)	81 (48–84)	45 (46–90)

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 8	PCB 18	PCB 22	PCB 26	PCB 28	PCB 31	PCB 33
				Zone E—17th Street Canal							
300113090064901	NO1	Street mud	9/21/2005	200527104	2.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300056090070301	FDL	Street mud	10/03/2005	200528605	1.9	2.3	E.84	1.5	2.3	2.3	1.6
300125090071701	E1	Suspended sediment	9/20/2005	200527104	<190	<190	<190	<190	<190	<190	<190
300136090072001	E2	Suspended sediment	9/20/2005	200527104	<140	<140	<140	<140	<140	<140	<140
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532509	2.7	2.7	1.6	1.5	4.2	2.7	3.6
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527104	E5.4	E2.2	E.98	E1.2	E2.9	E2.5	E2.4
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	200529704	<8.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	26	<19	<19	<19	<19	<19	<19
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	200529704	<6.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	200527104	<2.0	<2.0	4.2	<2.0	<2.0	<2.0	<2.0
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
				Zone G—London Avenue Canal							
300110090040401	CD	Street mud	10/03/2005	200528605	5.6	4.8	1.6	2.7	4.6	4.9	2.8
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
				Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	10/04/2005	200528605	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300330089575801	JNK	Suspended sediment	10/04/2005	200528605	<126	<126	<126	<126	<126	<126	<126
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532604	<1.0	<1.0	<1.0	<1.0	E.56	<1.0	<1.0
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 8	PCB 18	PCB 22	PCB 26	PCB 28	PCB 31	PCB 33
				Zone J—Jahncke Canal—Continued							
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529903	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
				Other suspended and bed sediment samples							
300158090020601	H1	Suspended sediment	9/21/2005	200527104	<250	<250	<250	<250	<250	<250	<250
295808090001601	CHL	Suspended sediment	10/04/2005	200528605	<13	<13	<13	<13	<13	<13	<13
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532509	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532604	<1.0	<1.0	<1.0	<1.0	E.69	<1.0	E.83
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	200527104	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	200527104	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532509	2.0	2.0	<1.0	E.61	3.0	1.5	1.6
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	200529704	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
				Mid-lake reference site samples							
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532509	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 8	PCB 18	PCB 22	PCB 26	PCB 28	PCB 31	PCB 33
Sediment-quality guidelines											
	Threshold effect concentration (TEC)		- -	- -	na	na	na	na	na	na	na
	Probable effect concentration (PEC)		- -	- -	na	na	na	na	na	na	na
Quality-assurance samples											
	Blank		- -	200527104	na	na	na	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	200527104	na	na	na	na	na	na	na
	Blank		- -	200528605	na	na	na	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	200528605	na	na	na	na	na	na	na
	Blank		- -	200529704	na	na	na	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	200529704	na	na	na	na	na	na	na
	Blank		- -	200529903	na	na	na	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	200529903	na	na	na	na	na	na	na
	Blank		- -	200532509	na	na	na	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	200532509	na	na	na	na	na	na	na
	Blank		- -	200532604	na	na	na	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	200532604	na	na	na	na	na	na	na

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 44	PCB 49	PCB 52	PCB 70	PCB 95	PCB 101
				Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	200527104	<2.0	2.3	E1.1	<2.0	E1.7	2.0
300056090070301	FDL	Street mud	10/03/2005	200528605	2.1	3.3	3.0	2.3	4.1	3.0
300125090071701	E1	Suspended sediment	9/20/2005	200527104	<190	<190	<190	<190	<190	<190
300136090072001	E2	Suspended sediment	9/20/2005	200527104	<140	<140	<140	<140	<140	<140
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532509	2.3	6.0	4.6	3.3	6.8	6.7
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527104	E2.3	E3.2	E2.8	E2.3	E4.7	E5.5
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	200529704	1.1	1.0	1.3	1.3	2.4	1.8
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	E9.5	E14	19	E11	26	28
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	E1.1	<2.0	2.2	E1.9
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	200527104	<2.0	<2.0	<2.0	<2.0	E1.7	<2.0
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
				Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	200528605	4.1	3.5	4.5	5.2	7.8	7.3
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532509	<1.0	<1.0	<1.0	<1.0	E.80	E.95
				Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	200528605	<1.0	<1.0	<1.0	<1.0	<1.0	E.76
300330089575801	JNK	Suspended sediment	10/04/2005	200528605	<126	<126	<126	<126	<126	<126
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532604	2.1	1.4	4.1	2.8	5.9	6.8
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 44	PCB 49	PCB 52	PCB 70	PCB 95	PCB 101
Zone J—Jahncke Canal—Continued										
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529903	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Other suspended and bed sediment samples										
300158090020601	H1	Suspended sediment	9/21/2005	200527104	<250	<250	<250	<250	<250	<250
295808090001601	CHL	Suspended sediment	10/04/2005	200528605	<13	<13	<13	<13	<13	<13
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532509	<2.0	<2.0	<2.0	<2.0	E1.8	E1.9
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532604	1.3	E1.7	2.6	1.5	4.0	4.5
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532604	<1.0	E.85	1.0	<1.0	1.4	1.3
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	200527104	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	200527104	<1.0	<1.0	<1.0	<1.0	<1.0	1.4
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532509	2.5	3.1	3.3	2.4	4.4	3.9
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	200529704	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Mid-lake reference site samples										
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532509	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 44	PCB 49	PCB 52	PCB 70	PCB 95	PCB 101
Sediment-quality guidelines										
		Threshold effect concentration (TEC)	- -	- -	na	na	na	na	na	na
		Probable effect concentration (PEC)	- -	- -	na	na	na	na	na	na
Quality-assurance samples										
		Blank	- -	200527104	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200527104	na	na	na	na	na	na
		Blank	- -	200528605	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200528605	na	na	na	na	na	na
		Blank	- -	200529704	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200529704	na	na	na	na	na	na
		Blank	- -	200529903	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200529903	na	na	na	na	na	na
		Blank	- -	200532509	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200532509	na	na	na	na	na	na
		Blank	- -	200532604	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200532604	na	na	na	na	na	na

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 110	PCB 118	PCB 138	PCB 146	PCB 149	PCB 151	PCB 170
				Zone E—17th Street Canal							
300113090064901	NO1	Street mud	9/21/2005	200527104	2.3	E1.3	3.5	<2.0	3.1	<2.0	E1.9
300056090070301	FDL	Street mud	10/03/2005	200528605	3.7	2.8	5.8	2.2	4.9	2.0	3.3
300125090071701	E1	Suspended sediment	9/20/2005	200527104	<190	<190	<190	<190	<190	<190	<190
300136090072001	E2	Suspended sediment	9/20/2005	200527104	<140	<140	<140	<140	<140	<140	<140
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532509	6.6	4.8	E32	5.7	E26	7.5	E29
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527104	E4.7	E2.9	E6.5	E1.8	E5.9	E2.0	E4.1
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	200529704	2.5	1.9	3.2	E.63	2.9	E.85	1.3
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	30	21	50	E10	45	<19	24
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	200529704	2.4	E1.4	3.6	<2.0	3.1	E1.3	E1.6
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	200527104	E1.9	E1.1	3.9	<2.0	3.6	<2.0	E1.4
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
				Zone G—London Avenue Canal							
300110090040401	CD	Street mud	10/03/2005	200528605	7.9	6.4	11	3.7	8.5	4.1	4.0
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	E.89	<1.0	E.81	<1.0	<1.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	E2.6	<3.0	E2.2	<3.0	<3.0
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532509	E.83	E.68	1.8	<1.0	1.4	<1.0	E.64
				Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	10/04/2005	200528605	E.85	E.65	E.91	<1.0	<1.0	<1.0	<1.0
300330089575801	JNK	Suspended sediment	10/04/2005	200528605	<126	<126	<126	<126	<126	<126	<126
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532604	7.2	6.5	8.0	1.6	5.5	1.7	2.4
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	E.55	<1.0	<1.0	<1.0	<1.0
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 110	PCB 118	PCB 138	PCB 146	PCB 149	PCB 151	PCB 170
				Zone J—Jahncke Canal—Continued							
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529903	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
				Other suspended and bed sediment samples							
300158090020601	H1	Suspended sediment	9/21/2005	200527104	<250	<250	<250	<250	<250	<250	<250
295808090001601	CHL	Suspended sediment	10/04/2005	200528605	<13	<13	<13	<13	<13	<13	<13
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532509	E1.1	<2.0	3.7	<2.0	3.4	<2.0	E1.9
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532604	4.5	4.1	4.9	1.3	3.6	1.1	1.3
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532604	1.5	1.3	1.3	<1.0	1.1	<1.0	<1.0
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	200527104	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	200527104	1.3	E.61	1.7	<1.0	1.3	<1.0	<1.0
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532509	3.9	3.4	4.2	E.73	3.6	E.90	1.9
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	200529704	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
				Mid-lake reference site samples							
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532509	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 110	PCB 118	PCB 138	PCB 146	PCB 149	PCB 151	PCB 170
Sediment-quality guidelines											
		Threshold effect concentration (TEC)	- -	- -	na	na	na	na	na	na	na
		Probable effect concentration (PEC)	- -	- -	na	na	na	na	na	na	na
Quality-assurance samples											
		Blank	- -	200527104	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200527104	na	na	na	na	na	na	na
		Blank	- -	200528605	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200528605	na	na	na	na	na	na	na
		Blank	- -	200529704	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200529704	na	na	na	na	na	na	na
		Blank	- -	200529903	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200529903	na	na	na	na	na	na	na
		Blank	- -	200532509	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200532509	na	na	na	na	na	na	na
		Blank	- -	200532604	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200532604	na	na	na	na	na	na	na

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 174	PCB 177	PCB 180	PCB 183	PCB 187	PCB 194	PCB 206
				Zone E—17th Street Canal							
300113090064901	NO1	Street mud	9/21/2005	200527104	E1.2	<2.0	3.2	<2.0	E1.8	<2.0	<2.0
300056090070301	FDL	Street mud	10/03/2005	200528605	2.8	2.2	5.4	2.1	3.5	2.2	1.6
300125090071701	E1	Suspended sediment	9/20/2005	200527104	<190	<190	<190	<190	<190	<190	<190
300136090072001	E2	Suspended sediment	9/20/2005	200527104	<140	<140	<140	<140	<140	<140	<140
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532509	E20	E15	E51	E14	E26	E17	4.6
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527104	E3.0	E2.2	E6.1	E2.4	E4.1	E2.1	E1.1
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	200529704	1.6	E.95	3.3	E.70	1.7	E.74	<1.0
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	19	E15	44	E13	27	E12	<19
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	200529704	E1.5	<2.0	3.0	<2.0	<2.0	<2.0	<2.0
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	200527104	<2.0	<2.0	3.0	<2.0	E1.7	<2.0	<2.0
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
				Zone G—London Avenue Canal							
300110090040401	CD	Street mud	10/03/2005	200528605	5.7	4.7	9.9	4.1	6.8	4.3	2.8
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	E.76	<1.0	<1.0	<1.0	<1.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	3.2	<3.0	E1.5	<3.0	<3.0
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532509	<1.0	<1.0	1.4	<1.0	E.70	<1.0	<1.0
				Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	10/04/2005	200528605	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300330089575801	JNK	Suspended sediment	10/04/2005	200528605	<126	<126	<126	<126	<126	<126	<126
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532604	1.6	1.0	3.5	1.0	1.9	E.59	<1.0
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 174	PCB 177	PCB 180	PCB 183	PCB 187	PCB 194	PCB 206
Zone J—Jahncke Canal—Continued											
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529903	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529903	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Other suspended and bed sediment samples											
300158090020601	H1	Suspended sediment	9/21/2005	200527104	<250	<250	<250	<250	<250	<250	<250
295808090001601	CHL	Suspended sediment	10/04/2005	200528605	<13	<13	<13	<13	<13	<13	<13
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532509	E1.3	<2.0	3.7	<2.0	E1.8	<2.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532604	E.97	E.66	2.0	E.71	1.3	<1.0	<1.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532604	<1.0	<1.0	E.59	<1.0	<1.0	<1.0	E.67
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	200527104	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	200527104	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529704	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532509	1.4	E.88	3.3	E.90	2.0	E.92	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	200529704	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529704	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529903	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Mid-lake reference site samples											
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532509	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532604	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532509	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532604	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	PCB 174	PCB 177	PCB 180	PCB 183	PCB 187	PCB 194	PCB 206
Sediment-quality guidelines											
		Threshold effect concentration (TEC)	- -	- -	na	na	na	na	na	na	na
		Probable effect concentration (PEC)	- -	- -	na	na	na	na	na	na	na
Quality-assurance samples											
		Blank	- -	200527104	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200527104	na	na	na	na	na	na	na
		Blank	- -	200528605	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200528605	na	na	na	na	na	na	na
		Blank	- -	200529704	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200529704	na	na	na	na	na	na	na
		Blank	- -	200529903	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200529903	na	na	na	na	na	na	na
		Blank	- -	200532509	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200532509	na	na	na	na	na	na	na
		Blank	- -	200532604	na	na	na	na	na	na	na
		Spike, in percent recovered (acceptable range)	- -	200532604	na	na	na	na	na	na	na

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	Sample mass (grams)	Surrogates, in percent recovery (acceptable range)			Calculated values		
						Isodrin (42-94)	alpha-HCH-d6 (19-125)	Nonachloro-biphenyl (21-140)	Total DDT	Total PCB Aroclors	Total PCB con-geners
Zone E—17th Street Canal											
300113090064901	NO1	Street mud	9/21/2005	200527104	11.6	nr	75.7	62.9	33	55	E28
300056090070301	FDL	Street mud	10/03/2005	200528605	21.7	85.0	69.3	91.4	46	E84	E75
300125090071701	E1	Suspended sediment	9/20/2005	200527104	.13	nr	84.3	69.7	nd	nd	nd
300136090072001	E2	Suspended sediment	9/20/2005	200527104	.18	nr	93.4	73.5	nd	nd	nd
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532509	22.0	81.1	53.4	78.2	E23	**E683**	E308
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527104	11.3	nr	47.7	36.2	E36	E108	E87
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	200529704	15.6	62.9	84.3	67.3	E18	E55	E31
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	1.3	nr	81.6	63.2	E159	**710**	E444
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	200529704	8.5	5.3	73.9	58.9	E20	E48	E23
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	200527104	8.4	nr	79.5	73.1	E7.7	52	E22
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	200529704	9.8	64.4	86.0	63.2	nd	E6.7	nd
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	200529704	8.7	83.6	80.7	81.7	nd	nd	nd
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532509	23.3	80.5	89.7	85.0	E2.4	E8.0	nd
Zone G—London Avenue Canal											
300110090040401	CD	Street mud	10/03/2005	200528605	20.4	48.2	54.5	69.2	67	179	143
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529903	22.8	78.7	75.9	86.5	nd	E6.6	E2.5
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529903	6.6	62.5	88.2	65.5	nd	E33	E9.5
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529903	8.2	76.1	90.0	83.2	nd	nd	nd
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532509	22.3	83.5	95.5	89.7	E3.2	E19	E9.2
Zone J—Jahncke Canal											
300355089571801	ONE	Street mud	10/04/2005	200528605	27.6	59.8	68.9	76.0	E.59	E5.3	E3.2
300330089575801	JNK	Suspended sediment	10/04/2005	200528605	.20	49.9	84.2	126	nd	nd	nd
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529903	24.2	83.6	84.9	93.3	nd	nd	nd
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532509	22.3	67.0	68.8	69.4	nd	nd	nd
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532604	16.7	51.3	87.3	65.9	nd	109	E66
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529903	15.8	51.0	92.7	63.5	nd	E5.8	E.55
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529903	8.3	63.2	98.8	75.5	nd	nd	nd

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	Sample mass (grams)	Surrogates, in percent recovery (acceptable range)			Calculated values		
						Isodrin (42-94)	alpha-HCH-d6 (19-125)	Nonachloro-biphenyl (21-140)	Total DDT	Total PCB Aroclors	Total PCB con-geners
Zone J—Jahncke Canal—Continued											
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529903	8.6	74.9	97.6	85.9	nd	nd	nd
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529903	19.3	72.3	87.8	82.7	nd	nd	nd
Other suspended and bed sediment samples											
300158090020601	H1	Suspended sediment	9/21/2005	200527104	.05	nr	88.2	67.0	nd	nd	nd
295808090001601	CHL	Suspended sediment	10/04/2005	200528605	1.8	32.4	65.2	87.5	nd	nd	nd
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532509	10.3	51.1	86.4	77.8	nd	E42	E21
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532604	23.1	56.0	103	70.6	nd	E64	E44
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532604	10.6	34.3	103	76.1	nd	E11	nd
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532604	21.3	58.4	108	80.6	nd	E20	E11
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	200527104	3.0	nr	80.9	72.0	nd	nd	nd
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	200527104	15.7	nr	68.1	50.0	E.85	E25	E7.5
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	200529704	21.3	75.1	83.0	75.8	nd	nd	nd
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529704	10.7	96.7	93.3	91.7	nd	nd	nd
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529704	13.9	64.0	87.7	71.6	E4.7	nd	nd
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532509	21.9	70.8	79.0	72.5	nd	nd	nd
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532509	17.6	63.7	79.5	80.2	E8.6	E67	E58
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532509	19.8	65.0	77.8	72.5	nd	nd	nd
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	200529704	7.3	44.9	77.6	78.9	nd	nd	nd
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529704	16.3	71.2	87.1	73.8	E2.9	nd	nd
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529903	8.2	64.0	86.1	76.4	nd	nd	nd
Mid-lake reference site samples											
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532509	11.4	87.7	94.8	89.9	nd	nd	nd
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532604	12.5	78.0	100	91.0	nd	nd	nd
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532604	30.0	81.3	118	86.7	nd	nd	nd
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532604	25.0	86.9	112	96.2	nd	nd	nd
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532604	25.0	77.5	101	86.5	nd	nd	nd
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532509	23.4	91.6	81.1	94.9	nd	nd	nd
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532604	24.5	95.6	104	117	nd	nd	nd

Table 4. Chlorinated hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm) where shown	Sample type	Sample date	Set number	Sample mass (grams)	Surrogates, in percent recovery (acceptable range)			Calculated values		
						Isodrin (42-94)	alpha-HCH-d6 (19-125)	Nonachloro-biphenyl (21-140)	Total DDT	Total PCB Aroclors	Total PCB con-geners
Sediment-quality guidelines											
		Threshold effect concentration (TEC)	- -	- -	- -	- -	- -	- -	5.28	59.8	59.8
		Probable effect concentration (PEC)	- -	- -	- -	- -	- -	- -	**572**	**676**	**676**
Quality-assurance samples											
		Blank	- -	200527104	- -	na	78.4	82	- -	- -	- -
		Spike, in percent recovered (acceptable range)	- -	200527104	- -	na	69.1	73.1	- -	- -	- -
		Blank	- -	200528605	- -	101	74.2	122	- -	- -	- -
		Spike, in percent recovered (acceptable range)	- -	200528605	- -	86.8	73.3	101.5	- -	- -	- -
		Blank	- -	200529704	- -	81.8	52.2	88.7	- -	- -	- -
		Spike, in percent recovered (acceptable range)	- -	200529704	- -	105.6	72.6	101.9	- -	- -	- -
		Blank	- -	200529903	- -	72.2	63.5	105.0	- -	- -	- -
		Spike, in percent recovered (acceptable range)	- -	200529903	- -	82.4	61.2	102.8	- -	- -	- -
		Blank	- -	200532509	- -	77.9	70.9	90.3	- -	- -	- -
		Spike, in percent recovered (acceptable range)	- -	200532509	- -	86.9	77.6	95.9	- -	- -	- -
		Blank	- -	200532604	- -	77.5	91	92.1	- -	- -	- -
		Spike, in percent recovered (acceptable range)	- -	200532604	- -	55.5	97.2	73.9	- -	- -	- -

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005.

[All concentrations in micrograms per kilogram except where indicated. Concentration in bold exceeds probable effect concentration (MacDonald and others, 2000). ID, identifier; cm, centimeters; E, estimated value; dup., duplicate; <, nondetection at indicated value; na, not available; - -, not applicable; ΣPAH_{SQG}, total polycyclic aromatic hydrocarbons used for consensus-based sediment-quality guidelines]

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Naphthalene	C1-128 Isomers, methylated naphthalenes	2-Ethyl-naphthalene	2,6-Dimethyl-naphthalene
			Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	29	E66	E14	180
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	30	E76	E17	180
300056090070301	FDL	Street mud	10/03/2005	2505R05285	160	E280	24	79
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	<1,900	E1,800	<1,900	5,800
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	<1,400	E1,700	<1,400	4,100
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	**600**	na	140	360
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	110	E190	32	310
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	34	E84	E11	110
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	29	E88	E14	140
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E26	E91	<30	100
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	<30	E130	<30	210
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	E45	<25	42
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E21	E29	<30	<30
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	E5.2	na	<10	E9.8
			Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	74	E290	32	120
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	E4.3	E8.4	E3.1	E8.7
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	<40	E27	<40	E31
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	<30	E25	<30	E34
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	20	na	10	40
			Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	E4.7	E23	<9.0	32
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	E4.4	E18	<14	30
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	<1,300	E1,100	<1,300	3,500
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	E1.9	<10	E4.5
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	E1.6	<10	E5.1
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	E9.6	na	<10	20
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	20	na	20	70
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	<16	E20	<16	30

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Naphthalene	C1-128 Isomers, methylated naphthalenes	2-Ethyl-naphthalene	2,6-Dimethyl-naphthalene
			Zone J—Jahncke Canal—Continued					
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	E25	<30	37
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	E25	<30	E26
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	<13	E7.8	<13	E9.4
			Other suspended and bed sediment samples					
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	E4,100	<5,500	10,000
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	<140	E760	<140	2,200
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	E10	na	<20	70
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	10	na	E8.3	20
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	<20	na	<20	50
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	E4.1	na	<10	E9.9
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	<85	E130	<85	220
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	E9.8	E34	<16	82
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	<12	E3.7	<12	<12
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	<12	E2.2	<12	<12
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	E30	<25	30
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<18	E25	<18	27
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	20	na	E10	50
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	E4.3	na	<10	20
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	<11	na	<11	E9.9
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<35	E48	<35	44
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<15	E27	<15	31
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	E24	<30	E27
			Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	<20	na	<20	40
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	<20	na	<20	30
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	<30	na	<30	30
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	<10	na	<10	<10
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	<10	na	<10	<10
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	<10	na	<10	<10
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	<10	na	<10	<10

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Naphthalene	C1-128 Isomers, methylated naphthalenes	2-Ethyl-naphthalene	2,6-Dimethyl-naphthalene
Sediment-quality guidelines								
		Threshold effect concentration (TEC)	- -	- -	176	na	na	na
		Probable effect concentration (PEC)	- -	- -	**561**	na	na	na
Quality-assurance samples								
		Blank	- -	2505R05270	<10	na	<10	<10
		Spike, in percent recovered (acceptable range)	- -	2505R05270	73.98 (49–94)	na	77.26 (36–92)	77.43 (33–94)
		Blank	- -	2505R05285	<10	na	<10	<10
		Spike, in percent recovered (acceptable range)	- -	2505R05285	81.65 (49–94)	na	81.56 (36–92)	81.40 (33–94)
		Blank	- -	2505R05291	<10	na	<10	<10
		Spike, in percent recovered (acceptable range)	- -	2505R05291	81.54 (49–94)	na	80.37 (36–92)	79.11 (33–94)
		Blank	- -	200529904	<10	na	<10	<10
		Spike, in percent recovered (acceptable range)	- -	200529904	62.33 (49–94)	na	65.55 (36–92)	65.79 (33–94)
		Blank	- -	200532510	<10	na	<10	<10
		Spike, in percent recovered (acceptable range)	- -	200532510	85.1 (49–94)	na	84.6 (36–92)	86.3 (33–94)
		Blank	- -	200532603	<10	na	<10	<10
		Spike, in percent recovered (acceptable range)	- -	200532603	79 (49–94)	na	78.8 (36–92)	79.1 (33–94)

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	1,6-Dimethyl-naphthalene	C2-128 Isomers, C2-alkyated naphtha-lenes	Acenaph-thylene	1,2-Dimethyl-naphthalene	Acenaph-thene	C3-128 Isomers, C3-alkylated naphthalenes
				Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	2505R05270	49	E290	81	<22	79	E290
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	54	E300	83	27	80	E310
300056090070301	FDL	Street mud	10/03/2005	2505R05285	53	E320	480	33	370	E930
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	E1,400	E7,100	<1,900	<1,900	E160	E2,000
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	E980	E4,900	<1,400	<1,400	<1,400	<1,400
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	200	na	450	120	1,100	220
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	85	E580	260	60	260	E760
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	30	E210	91	18	69	E340
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	46	E240	91	<20	45	E200
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E28	E180	85	<30	48	E300
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	50	E290	42	<30	E12	E98
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	E74	29	<25	E8.3	E53
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<30	<50	<30	<30	<30	<80
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	E6.3	na	20	<10	20	na
				Zone G—London Avenue Canal						
300110090400401	CD	Street mud	10/03/2005	2505R05285	66	E550	160	<12	82	E3,200
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	E3.8	E14	E6.5	<11	E3.5	E18
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	<40	E50	E20	<40	E11	E40
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	E11	E49	E12	<30	<30	E29
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	20	na	30	<10	30	10
				Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	2505R05285	10	E57	37	<9.0	E5.5	E49
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	E12	E54	41	<14	E5.7	E57
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	E790	E4,300	E590	<1,300	<1,300	<1,500
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	E5.0	<10	<10	<10	<10
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	E6.0	<10	<10	<10	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	E8.0	na	20	<10	E6.2	na
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	20	na	50	<20	70	na
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	E6.0	E38	E8.9	<16	<16	E13

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	1,6-Dimethyl-naphthalene	C2-128 Isomers, C2-alkyated naphtha-lenes	Acenaph-thylene	1,2-Dimethyl-naphthalene	Acenaph-thene	C3-128 Isomers, C3-alkylated naphthalenes
Zone J—Jahncke Canal—Continued										
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	E9.8	E48	E11	<30	<30	E23
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	E9.6	E36	E11	<30	<30	<35
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	<13	E13	E5.0	<13	<13	E8.7
Other suspended and bed sediment samples										
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	E12,000	<5,500	<5,500	<5,500	<5,500
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	E100	E2,400	<140	<140	<140	<690
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	E20	na	E20	<20	E10	E20
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	E9.0	na	40	<10	40	na
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	E10	na	E10	<20	<20	<20
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	E6.9	na	E9.8	<10	E4.7	na
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	E72	E290	E45	<85	<85	E210
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	21	E110	26	<16	E8.3	E63
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	<12	<13	<12	<12	<12	<14
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	<12	<17	<12	<12	<12	<16
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E12	E49	E13	<25	<25	<55
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E11	E52	20	<18	E12	E46
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	20	na	30	<10	20	20
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	E7.3	na	E10	<10	E3.7	<10
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	E5.5	na	E8.9	<11	<11	na
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E17	E75	E23	<35	<35	E49
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	E8.7	E56	E12	<15	<15	E33
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	E10	E40	E24	<30	<30	E30
Mid-lake reference site samples										
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	E10	na	E20	<20	<20	na
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	<20	na	E10	<20	<20	na
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	E20	na	E20	<30	<30	na
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	<10	na	<10	<10	<10	na
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	<10	na	<10	<10	<10	na
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	<10	na	<10	<10	<10	na
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	<10	na	<10	<10	E2.6	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	1,6-Dimethyl-naphthalene	C2-128 Isomers, C2-alkyated naphtha-lenes	Acenaph-thylene	1,2-Dimethyl-naphthalene	Acenaph-thene	C3-128 Isomers, C3-alkylated naphthalenes
Sediment-quality guidelines										
	Threshold effect concentration (TEC)	- -	- -		na	na	na	na	na	na
	Probable effect concentration (PEC)	- -	- -		na	na	na	na	na	na
Quality-assurance samples										
	Blank	- -		2505R05270	<10	na	<10	<10	<10	na
	Spike, in percent recovered (acceptable range)	- -		2505R05270	77.58 (37–89)	na	77.08 (33–84)	76.57 (44–89)	77.58 (49–81)	na
	Blank	- -		2505R05285	<10	na	<10	<10	<10	na
	Spike, in percent recovered (acceptable range)	- -		2505R05285	81.56 (37–89)	na	80.97 (33–84)	82.59 (44–89)	83.63 (49–81)	na
	Blank	- -		2505R05291	<10	na	<10	<10	<10	na
	Spike, in percent recovered (acceptable range)	- -		2505R05291	80.63 (37–89)	na	79.88 (33–84)	80.44 (44–89)	81.58 (49–81)	na
	Blank	- -		200529904	<10	na	<10	<10	<10	na
	Spike, in percent recovered (acceptable range)	- -		200529904	65.94 (37–89)	na	67.13 (33–84)	66.43 (44–89)	67.70 (49–81)	na
	Blank	- -		200532510	<10	na	<10	<10	<10	na
	Spike, in percent recovered (acceptable range)	- -		200532510	85.6 (37–89)	na	84.4 (33–84)	86.3 (44–89)	85.5 (49–81)	na
	Blank	- -		200532603	<10	na	<10	<10	<10	na
	Spike, in percent recovered (acceptable range)	- -		200532603	79.2 (37–89)	na	77.3 (33–84)	79.6 (44–89)	79.1 (49–81)	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	2,3,6-Trimethyl-naphthalene	9H-Fluorene	C4-128 Isomers, C4-alkylated naphthalenes	1-methyl-9H-Fluorene	Phenan-threne
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	34	100	E260	36	430
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	40	110	E260	38	430
300056090070301	FDL	Street mud	10/03/2005	2505R05285	57	440	E420	69	**2,800**
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	<1,900	**E600**	<2,400	<1,900	E850
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	<1,400	E380	<1,800	<1,400	E490
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	1,200	na	na	190	**8,200**
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	83	320	E710	92	**1,200**
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	21	83	E340	28	490
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	29	62	E180	31	360
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E24	71	E340	30	330
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	E24	E25	<110	E22	85
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	E18	<90	E15	70
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<30	E20	<90	<30	79
301414090083900	BON	Bed sediment (dredge)	09/29/2005	200532510	E6.0	20	na	E6.4	270
				Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	200	82	E2,700	58	360
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	<11	E5.9	<17	E3.9	37
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	<40	E22	<70	E14	79
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	<30	E14	<50	<30	E25
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	30	na	na	E10	280
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	<9.0	E7.7	<30	<9.0	83
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	<14	E7.7	<40	<14	74
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	<1,300	<1,300	<1,700	<1,300	E260
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	E5.6	<10	na	<10	50
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	20	70	na	20	360
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	<16	E8.2	<25	<16	39

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	2,3,6-Trimethyl-naphthalene	9H-Fluorene	C4-128 Isomers, C4-alkylated naphthalenes	1-methyl-9H-Fluorene	Phenan-threne
				Zone J—Jahncke Canal—Continued					
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	E12	<30	<30	E20
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	E12	<40	<30	E18
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	<13	E5.5	<16	<13	E12
				Other suspended and bed sediment samples					
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	<5,500	<6,000	<5,500	E1,000
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	<140	<140	<500	<140	<140
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	E20	na	na	E20	60
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	E8.5	30	na	E10	270
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	<20	na	na	<20	20
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	E7.4	<10	na	<10	20
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	E61	<85	<200	<85	E85
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	E14	E13	<50	E11	74
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	<12	<12	<13	<12	16
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	<12	<12	<16	<12	16
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	<25	<40	<25	E19
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<18	19	<55	E12	80
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	30	na	na	30	130
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	E10	na	na	E6.6	40
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	<11	E6.5	na	<11	29
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<35	E19	<70	E21	67
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<15	E5.9	<60	E10	17
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	E19	<45	<30	94
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	E8.6	<20	na	<20	E20
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	<20	<20	na	<20	E10
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	<30	<30	na	<30	<30
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	<10	<10	na	<10	<10
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	<10	<10	na	<10	<10
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	<10	<10	na	<10	<10
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	<10	E6.4	na	<10	E3.4

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	2,3,6-Trimethyl-naphthalene	9H-Fluorene	C4-128 Isomers, C4-alkylated naphthalenes	1-methyl-9H-Fluorene	Phenan-threne
Sediment-quality guidelines									
	Threshold effect concentration (TEC)		- -	- -	na	77.4	na	na	204
	Probable effect concentration (PEC)		- -	- -	na	**536**	na	na	**1,170**
Quality-assurance samples									
	Blank		- -	2505R05270	<10	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	2505R05270	76.18 (38–95)	77.09 (31–96)	na	78.17 (37–97)	78.65 (52–90)
	Blank		- -	2505R05285	<10	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	2505R05285	82.57 (38–95)	84.00 (31–96)	na	85.35 (37–97)	83.28 (52–90)
	Blank		- -	2505R05291	<10	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	2505R05291	80.75 (38–95)	82.07 (31–96)	na	82.91 (37–97)	84.81 (52–90)
	Blank		- -	200529904	<10	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	200529904	68.57 (38–95)	69.35 (31–96)	na	70.49 (37–97)	74.37 (52–90)
	Blank		- -	200532510	<10	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	200532510	86.0 (38–95)	86.4 (31–96)	na	87.2 (37–97)	89.5 (52–90)
	Blank		- -	200532603	<10	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	200532603	79.5 (38–95)	80.0 (31–96)	na	81.1 (37–97)	83.4 (52–90)

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Anthracene	C5-128 Isomers, C5-alkylated naphthalenes	2-Methyl-anthracene	4,5-Methylene-phenanthrene	C1-178 Isomers, methylated phenanthrene/anthracenes
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	180	<60	56	120	E290
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	170	<60	56	120	E310
300056090070301	FDL	Street mud	10/03/2005	2505R05285	**1,000**	<60	320	540	E1,400
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	**E1,400**	<1,900	<1,900	<1,900	E2,100
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	**E910**	<1,400	<1,400	<1,400	E1,400
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	**1,800**	na	460	900	na
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	550	<130	140	320	E1,000
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	200	E51	56	100	E360
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	180	<60	55	94	E270
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	170	E58	54	96	E300
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	72	<40	<30	43	E110
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	47	<25	E21	E20	E72
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E25	<30	<30	E19	E64
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	60	na	<20	40	na
				Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	280	<210	180	210	E670
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	12	<11	E3.2	E3.5	E24
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	E36	<40	<40	<40	E69
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	E19	<30	<30	<30	E33
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	80	na	<20	40	na
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	77	<25	17	15	E83
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	67	<30	19	18	E78
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	E650	<2,400	<1,300	<1,300	<7,200
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	30	na	<10	10	na
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	230	na	60	90	na
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	E14	<16	<16	<16	E23

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Anthracene	C5-128 Isomers, C5-alkylated naphthalenes	2-Methyl-anthracene	4,5-Methylene-phenanthrene	C1-178 Isomers, methylated phenanthrene/anthracenes
				Zone J—Jahncke Canal—Continued					
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	E16	<30	<30	<30	E30
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	E16	<30	<30	<30	E26
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	E8.2	<13	<13	<13	E12
				Other suspended and bed sediment samples					
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	<5,500	<5,500	<5,500	<5,500
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	<140	<3,900	<140	<140	<3,000
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	40	na	<20	E20	na
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	130	na	30	60	na
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	20	na	<20	E20	na
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	20	na	<10	<10	na
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	91	<85	<85	E64	E170
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	49	<19	21	24	E64
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	E7.8	<12	<12	E3.2	E15
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	E8.5	<12	<12	E3.1	E16
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E17	<25	E14	<25	E34
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	40	<18	E16	21	E59
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	100	na	<40	70	na
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	20	na	<10	10	na
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	15	na	<11	E8.4	na
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	49	<20	E21	E19	E68
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	17	<15	E10	E12	E34
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	54	<30	<30	<30	E57
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	30	na	<20	E10	na
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	E20	na	<20	<20	na
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	<30	na	<30	<30	na
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	<10	na	<10	<10	na
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	<10	na	<10	<10	na
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	<10	na	<10	<10	na
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	E6.3	na	<10	<10	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Anthracene	C5-128 Isomers, C5-alkylated naphthalenes	2-Methyl-anthracene	4,5-Methylene-phenanthrene	C1-178 Isomers, methylated phenanthrene/ anthracenes
Sediment-quality guidelines									
	Threshold effect concentration (TEC)		- -	- -	57.2	na	na	na	na
	Probable effect concentration (PEC)		- -	- -	**845**	na	na	na	na
Quality-assurance samples									
	Blank		- -	2505R05270	<10	na	<10	<10	na
	Spike, in percent recovered (acceptable range)		- -	2505R05270	76.03 (44–77)	na	75.33 (27–93)	78.97 (53–90)	na
	Blank		- -	2505R05285	<10	na	<10	<10	na
	Spike, in percent recovered (acceptable range)		- -	2505R05285	79.46 (44–77)	na	76.88 (27–93)	83.54 (53–90)	na
	Blank		- -	2505R05291	<10	na	<10	<10	na
	Spike, in percent recovered (acceptable range)		- -	2505R05291	80.10 (44–77)	na	80.06 (27–93)	86.83 (53–90)	na
	Blank		- -	200529904	<10	na	<10	<10	na
	Spike, in percent recovered (acceptable range)		- -	200529904	72.63 (44–77)	na	70.73 (27–93)	73.70 (53–90)	na
	Blank		- -	200532510	<10	na	<10	<10	na
	Spike, in percent recovered (acceptable range)		- -	200532510	85.0 (44–77)	na	84.1 (27–93)	93.1 (53–90)	na
	Blank		- -	200532603	<10	na	<10	<10	na
	Spike, in percent recovered (acceptable range)		- -	200532603	79.2 (44–77)	na	81.0 (27–93)	85.9 (53–90)	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	1-Methyl-phenan-threne	C2-178 Isomers, C2-alkylated phenanthrene/ anthracenes	Fluoranthene	Pyrene
			Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	53	E310	1,000	770
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	58	E290	980	750
300056090070301	FDL	Street mud	10/03/2005	2505R05285	250	E970	**5,500**	**4,400**
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	<1,900	<2,200	**2,800**	**2,500**
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	<1,400	<1,400	1,700	1,500
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	480	na	**11,000**	**7,600**
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	140	E930	**3,100**	**2,300**
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	52	E330	1,200	910
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	51	E250	1,000	820
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	46	E350	1,000	820
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	<30	E120	320	290
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E14	E68	230	200
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E13	<45	110	93
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	20	na	780	620
			Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	140	E1,000	1,400	1,300
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	<11	E20	130	110
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	<40	E66	260	230
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	<30	E34	86	84
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	30	na	550	450
			Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	14	E69	300	220
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	16	E72	310	220
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	<1,300	<1,500	<1,300	<1,300
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	<10	E3.5	E2.2
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	<10	E4.5	E2.9
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	E8.3	na	150	120
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	40	na	1,100	860
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	<16	E22	96	72

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	1-Methyl-phenan-threne	C2-178 Isomers, C2-alkylated phenanthrene/ anthracenes	Fluoranthene	Pyrene
				Zone J—Jahncke Canal—Continued				
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	E29	65	55
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	E25	62	57
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	<13	E12	38	30
				Other suspended and bed sediment samples				
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	<5,500	**E4,400**	**E4,300**
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	<140	<1,300	280	250
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	E20	na	140	120
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	30	na	770	770
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	<20	na	100	90
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	<10	na	50	60
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	<85	E190	290	270
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	<16	E59	210	210
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	E4.6	<12	36	26
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	E5.4	<13	38	26
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	E34	53	49
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E11	E60	190	160
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	<20	na	840	710
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	E6.2	na	140	110
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	<11	na	87	69
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E15	E72	180	150
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	E6.5	E42	60	62
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	E46	280	220
				Mid-lake reference site samples				
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	<20	na	130	120
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	<20	na	30	30
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	<30	na	30	30
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	<10	na	<10	<10
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	<10	na	<10	<10
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	<10	na	E7.1	E6.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	<10	na	E7.9	E7.6

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	1-Methyl-phenan-threne	C2-178 Isomers, C2-alkylated phenanthrene/ anthracenes	Fluoranthene	Pyrene
Sediment-quality guidelines								
	Threshold effect concentration (TEC)		- -	- -	na	na	423	195
	Probable effect concentration (PEC)		- -	- -	na	na	**2,230**	**1,520**
Quality-assurance samples								
	Blank		- -	2505R05270	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	2505R05270	79.69 (57–87)	na	80.60 (65–92)	80.99 (64–94)
	Blank		- -	2505R05285	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	2505R05285	82.49 (57–87)	na	82.60 (65–92)	83.10 (64–94)
	Blank		- -	2505R05291	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	2505R05291	86.91 (57–87)	na	88.20 (65–92)	89.32 (64–94)
	Blank		- -	200529904	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	200529904	76.74 (57–87)	na	77.48 (65–92)	77.02 (64–94)
	Blank		- -	200532510	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	200532510	91.6 (57–87)	na	90.5 (65–92)	89.7 (64–94)
	Blank		- -	200532603	<10	na	<10	<10
	Spike, in percent recovered (acceptable range)		- -	200532603	86.3 (57–87)	na	88.2 (65–92)	87.6 (64–94)

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C3-178 Isomers, C3-alkylated phenanthrene/ anthracenes	C4-178 Isomers, C4-alkylated phenanthrene/ anthracenes	1-Methyl-pyrene	C1-202 Isomers, methylated fluoranthene/ pyrenes	C2-202 Isomers, C2-alkylated fluoranthene /pyrenes
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	E150	<100	55	E520	<350
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	E150	<110	55	E510	<330
300056090070301	FDL	Street mud	10/03/2005	2505R05285	E450	<270	310	E3,200	<1,800
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	<2,100	<2,100	<1,900	E2,500	<2,400
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	<1,400	<1,400	<1,400	E1,600	<1,500
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	na	na	380	na	na
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	E410	<270	280	E1,700	E950
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	E180	<100	55	E710	E320
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	E130	<100	56	E540	<400
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	E200	<130	55	E660	E290
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	E70	<65	37	E220	<190
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<45	<40	E20	E160	<80
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<30	<30	<30	E94	<45
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	na	na	30	na	na
				Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	E910	<550	220	E1,300	E890
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	<11	<11	E7.6	E66	<35
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	<40	<40	E20	E160	<85
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<30	E71	<45
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	na	na	30	na	na
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	<75	<25	<9.0	E160	<160
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	<75	<35	<14	E150	<180
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	<3,100	<1,300	<1,300	<1,300	<1,400
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	na	na	10	na	na
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	na	na	50	na	na
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	<16	<16	<16	E51	<35

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C3-178 Isomers, C3-alkylated phenanthrene/ anthracenes	C4-178 Isomers, C4-alkylated phenanthrene/ anthracenes	1-Methyl-pyrene	C1-202 Isomers, methylated fluoranthene/ pyrenes	C2-202 Isomers, C2-alkylated fluoranthene /pyrenes
Zone J—Jahncke Canal—Continued									
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<30	E54	<30
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<30	E51	<30
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	<13	<13	<13	E23	<13
Other suspended and bed sediment samples									
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	<5,500	<5,500	<5,500	<5,500
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	<3,100	<1,300	<140	E300	<220
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	na	na	E20	na	na
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	na	na	50	na	na
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	na	na	<20	na	na
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	na	na	<20	na	na
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	E130	<95	E74	E220	<180
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	<35	<30	24	E140	<110
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	<12	<12	<12	E21	<13
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	<12	<12	<12	E23	<14
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	<25	<25	E57	<35
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<35	<35	E14	E110	<60
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	na	na	50	na	na
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	na	na	<10	na	na
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	na	na	<11	na	na
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<45	<40	E19	E120	<60
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	E30	<25	E10	E66	<40
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<30	E120	<60
Mid-lake reference site samples									
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	na	na	E20	na	na
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	na	na	<20	na	na
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	na	na	<30	na	na
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	na	na	<10	na	na
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	na	na	<10	na	na
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	na	na	<10	na	na
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	na	na	<10	na	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C3-178 Isomers, C3-alkylated phenanthrene/ anthracenes	C4-178 Isomers, C4-alkylated phenanthrene/ anthracenes	1-Methyl-pyrene	C1-202 Isomers, methylated fluoranthene/ pyrenes	C2-202 Isomers, C2-alkylated fluoranthene /pyrenes
Sediment-quality guidelines									
	Threshold effect concentration (TEC)		- -	- -	na	na	na	na	na
	Probable effect concentration (PEC)		- -	- -	na	na	na	na	na
Quality-assurance samples									
	Blank		- -	2505R05270	na	na	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05270	na	na	82.70 (57–103)	na	na
	Blank		- -	2505R05285	na	na	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05285	na	na	84.23 (57–103)	na	na
	Blank		- -	2505R05291	na	na	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05291	na	na	89.28 (57–103)	na	na
	Blank		- -	200529904	na	na	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	200529904	na	na	76.06 (57–103)	na	na
	Blank		- -	200532510	na	na	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	200532510	na	na	90.6 (57–103)	na	na
	Blank		- -	200532603	na	na	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	200532603	na	na	88.7 (57–103)	na	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C5-178 Isomers, C5-alkylated phenanthrene/ anthracenes	Benz(*a*)-anthracene	Chrysene	C3-202 Isomers, C3-alkylated fluoranthene/ pyrenes	C1-228 Isomers, methylated benz(*a*)-anthracene/ chrysenes
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	<95	350	410	<100	<240
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	<95	340	390	<100	<200
300056090070301	FDL	Street mud	10/03/2005	2505R05285	<380	**2,600**	**2,700**	<890	<1,500
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	<1,900	**E1,700**	**E1,400**	<1,900	<1,900
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	<1,400	E990	E820	<1,400	<1,400
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	na	**3,800**	**4,200**	na	na
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	<230	**1,200**	**1,300**	<230	<630
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<100	470	570	<75	<280
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	<100	400	480	<130	<240
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<100	380	470	<70	<250
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	<60	140	160	<75	<110
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<35	97	120	<25	<75
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<30	E30	38	<30	<30
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	na	330	450	na	na
				Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	<350	640	730	<420	<650
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	<12	66	83	<11	<50
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	<40	110	130	<50	<100
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	<30	46	43	<30	<50
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	na	240	290	na	na
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	<50	110	230	<80	<80
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	<50	100	180	<100	<80
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	<1,300	<1,300	<1,300	<1,400	<1,300
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	na	50	80	na	na
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	na	470	610	na	na
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	<16	31	46	<16	<30

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C5-178 Isomers, C5-alkylated phenanthrene/ anthracenes	Benz(*a*)-anthracene	Chrysene	C3-202 Isomers, C3-alkylated fluoranthene/ pyrenes	C1-228 Isomers, methylated benz(*a*)-anthracene/ chrysenes
				Zone J—Jahncke Canal—Continued					
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	34	31	<30	<40
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	32	E28	<30	<40
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	<13	16	14	<13	<15
				Other suspended and bed sediment samples					
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	<5,500	<5,500	<5,500	<5,500
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	<170	150	E120	<190	<190
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	na	50	50	na	na
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	na	370	400	na	na
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	na	40	40	na	na
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	na	40	30	na	na
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	<95	130	140	<100	<120
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	<35	110	120	<45	<70
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	<12	14	16	<12	<12
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	<12	15	17	<12	<12
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	28	28	<25	<30
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<30	70	97	<25	<50
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	na	270	340	na	na
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	na	60	80	na	na
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	na	42	50	na	na
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<35	71	91	<30	<45
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<17	25	31	<15	<30
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	84	96	<30	<30
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	na	80	70	na	na
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	na	<20	<20	na	na
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	na	<30	<30	na	na
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	na	<10	<10	na	na
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	na	<10	<10	na	na
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	na	<10	<10	na	na
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	na	<10	<10	na	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C5-178 Isomers, C5-alkylated phenanthrene/ anthracenes	Benz(*a*)-anthracene	Chrysene	C3-202 Isomers, C3-alkylated fluoranthene/ pyrenes	C1-228 Isomers, methylated benz(*a*)-anthracene/ chrysenes
Sediment-quality guidelines									
	Threshold effect concentration (TEC)		- -	- -	na	108	166	na	na
	Probable effect concentration (PEC)		- -	- -	na	**1,050**	**1,290**	na	na
Quality-assurance samples									
	Blank		- -	2505R05270	na	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05270	na	83.12 (40–115)	83.79 (61–94)	na	na
	Blank		- -	2505R05285	na	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05285	na	86.11 (40–115)	87.09 (61–94)	na	na
	Blank		- -	2505R05291	na	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05291	na	88.70 (40–115)	93.08 (61–94)	na	na
	Blank		- -	200529904	na	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	200529904	na	78.33 (40–115)	79.67 (61–94)	na	na
	Blank		- -	200532510	na	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	200532510	na	89.8 (40–115)	92.6 (61–94)	na	na
	Blank		- -	200532603	na	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	200532603	na	89.9 (40–115)	93.8 (61–94)	na	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C4-202 Isomers, C4-alkylated fluoranthene/ pyrenes	C5-202 Isomers, C5-alkylated fluoranthene/ pyrenes	C2-228 Isomers, C2-alkylated benz(*a*)-anthracene/ chrysenes	Benzo(*b*)-fluoranthene	Benzo(*k*)-fluoranthene
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	<75	<60	<100	390	360
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	<75	<55	<95	400	310
300056090070301	FDL	Street mud	10/03/2005	2505R05285	<210	<130	<460	2,500	2,200
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	<1,900	<1,900	<1,900	2,200	E1,900
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	<1,400	<1,400	<1,400	E1,400	E1,100
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	na	na	na	4,900	2,000
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	<180	<95	<280	1,100	1,000
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<30	<55	<130	480	470
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	<85	<60	<120	470	390
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<40	<65	<120	450	340
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	<65	<55	<65	190	150
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	<40	<40	150	100
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<30	<55	<30	48	34
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	na	na	na	580	240
				Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	<160	<75	<420	840	650
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	<12	<11	<17	89	74
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	<40	<40	<50	150	110
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<35	71	50
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	na	na	na	380	150
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	<50	<30	<40	160	130
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	<55	<35	<45	160	130
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	<1,300	<1,300	<1,300	<1,300	<1,300
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	na	na	na	90	30
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	na	na	na	600	250
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	<16	<16	<16	54	38

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C4-202 Isomers, C4-alkylated fluoranthene/ pyrenes	C5-202 Isomers, C5-alkylated fluoranthene/ pyrenes	C2-228 Isomers, C2-alkylated benz(*a*)-anthracene/ chrysenes	Benzo(*b*)-fluoranthene	Benzo(*k*)-fluoranthene
Zone J—Jahncke Canal—Continued									
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<30	50	36
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<30	50	37
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	<13	<13	<13	21	16
Other suspended and bed sediment samples									
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	<5,500	<5,500	<5,500	<5,500
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	<170	<170	<220	<140	<140
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	na	na	na	80	30
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	na	na	na	590	220
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	na	na	na	60	20
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	na	na	na	60	30
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	<90	<100	<85	190	140
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	<35	<30	<40	150	120
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	<12	<12	<12	18	16
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	<12	<13	<12	20	18
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	<30	<25	39	31
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<18	<30	<35	100	82
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	na	na	na	530	210
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	na	na	na	110	50
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	na	na	na	79	32
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	<40	<35	99	79
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<15	<20	<25	38	30
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<60	98	72
Mid-lake reference site samples									
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	na	na	na	90	30
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	na	na	na	<20	<20
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	na	na	na	30	E10
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	na	na	na	<10	<10
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	na	na	na	<10	<10
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	na	na	na	<10	<10
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	na	na	na	<10	<10

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C4-202 Isomers, C4-alkylated fluoranthene/ pyrenes	C5-202 Isomers, C5-alkylated fluoranthene/ pyrenes	C2-228 Isomers, C2-alkylated benz(*a*)-anthracene/ chrysenes	Benzo(*b*)-fluoranthene	Benzo(*k*)-fluoranthene
Sediment-quality guidelines									
	Threshold effect concentration (TEC)	- -	- -		na	na	na	na	na
	Probable effect concentration (PEC)	- -	- -		na	na	na	na	na
Quality-assurance samples									
	Blank	- -		2505R05270	na	na	na	<10	<10
	Spike, in percent recovered (acceptable range)	- -		2505R05270	na	na	na	80.47 (49–104)	83.61 (40–101)
	Blank	- -		2505R05285	na	na	na	<10	<10
	Spike, in percent recovered (acceptable range)	- -		2505R05285	na	na	na	86.69 (49–104)	88.73 (40–101)
	Blank	- -		2505R05291	na	na	na	<10	<10
	Spike, in percent recovered (acceptable range)	- -		2505R05291	na	na	na	91.69 (49–104)	92.95 (40–101)
	Blank	- -		200529904	na	na	na	<10	<10
	Spike, in percent recovered (acceptable range)	- -		200529904	na	na	na	82.62 (49–104)	83.73 (40–101)
	Blank	- -		200532510	na	na	na	<10	<10
	Spike, in percent recovered (acceptable range)	- -		200532510	na	na	na	90.2 (49–104)	94 (40–101)
	Blank	- -		200532603	na	na	na	<10	<10
	Spike, in percent recovered (acceptable range)	- -		200532603	na	na	na	92.1 (49–104)	93.1 (40–101)

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Benzo(*e*)-pyrene	Benzo(*a*)-pyrene	Perylene	C1-252 Isomers, C1-methylated benzopyrene/ perylenes	C3-228 Isomers, C3-benz(*a*)-anthracene/ chrysenes
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	280	320	340	E320	<30
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	270	310	300	E300	<25
300056090070301	FDL	Street mud	10/03/2005	2505R05285	1,800	**2,400**	750	E2,000	<120
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	E1,300	**2,200**	E1,100	<2,400	<1,900
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	E810	1,400	E740	<1,700	<1,400
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	2,500	**3,400**	1,000	na	na
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	800	1,000	400	E930	<35
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	360	460	230	E430	<65
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	340	390	290	E370	<35
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	310	350	300	E360	<60
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	140	140	270	E190	<30
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	100	110	220	E120	<25
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	31	E26	300	<55	<30
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	310	390	140	na	na
				Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	630	700	360	E830	<220
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	62	79	42	<70	<11
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	100	120	170	<170	<40
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	47	58	150	<110	<30
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	200	250	100	na	na
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	100	85	43	E100	<16
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	100	88	46	E100	<25
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	<1,300	E1,100	E450	<1,300	<1,300
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<18	<10
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	40	50	30	na	na
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	300	380	170	na	na
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	34	39	40	<60	<16

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Benzo(*e*)-pyrene	Benzo(*a*)-pyrene	Perylene	C1-252 Isomers, C1-methylated benzopyrene/ perylenes	C3-228 Isomers, C3-benz(*a*)-anthracene/ chrysenes
				Zone J—Jahncke Canal—Continued					
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	32	44	110	<95	<30
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	33	43	130	<90	<30
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	13	19	32	<40	<13
				Other suspended and bed sediment samples					
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	<5,500	<5,500	<5,500	<5,500
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	E130	180	220	<270	<140
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	40	50	170	na	na
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	270	400	120	na	na
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	30	40	160	na	na
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	30	50	160	na	na
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	130	160	270	<170	<85
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	100	120	130	E120	<17
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	13	15	15	<17	<12
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	14	17	15	<17	<12
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	30	32	230	<55	<25
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	75	78	180	E90	<25
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	260	290	340	na	na
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	60	70	100	na	na
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	38	51	58	na	na
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	74	78	270	E86	<25
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	29	30	500	E52	<15
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	60	73	130	<120	<30
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	40	60	170	na	na
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	E10	20	110	na	na
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	E10	30	120	na	na
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	<10	<10	<10	na	na
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	<10	<10	<10	na	na
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	<10	<10	<10	na	na
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	<10	<10	E7.1	na	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Benzo(*e*)-pyrene	Benzo(*a*)-pyrene	Perylene	C1-252 Isomers, C1-methylated benzopyrene/ perylenes	C3-228 Isomers, C3-benz(*a*)-anthracene/ chrysenes
Sediment-quality guidelines									
	Threshold effect concentration (TEC)		- -	- -	na	150	na	na	na
	Probable effect concentration (PEC)		- -	- -	na	**1,450**	na	na	na
Quality-assurance samples									
	Blank		- -	2505R05270	<10	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05270	81.79 (35–81)	77.58 (26–101)	78.94 (53–94)	na	na
	Blank		- -	2505R05285	<10	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05285	87.23 (35–81)	83.05 (26–101)	84.73 (53–94)	na	na
	Blank		- -	2505R05291	<10	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05291	91.25 (35–81)	83.59 (26–101)	86.50 (53–94)	na	na
	Blank		- -	200529904	<10	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	200529904	76.29 (35–81)	76.66 (26–101)	71.95 (53–94)	na	na
	Blank		- -	200532510	<10	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	200532510	92.7 (35–81)	87.2 (26–101)	87.0 (53–94)	na	na
	Blank		- -	200532603	<10	<10	<10	na	na
	Spike, in percent recovered (acceptable range)		- -	200532603	91.9 (35–81)	86.5 (26–101)	87.2 (53–94)	na	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C2-252 Isomers, C2-alkylated benzo-pyrene/ perylenes	C4-228 Isomers, C4-benz(*a*)-anthracene/ chrysenes	Benzo(*g,h,i*)-perylene	Indeno (1,2,3-*c,d*)-pyrene	Dibenzo(*a,h*)-anthracene
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	E160	<65	260	260	77
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	E150	<60	220	240	80
300056090070301	FDL	Street mud	10/03/2005	2505R05285	<730	<280	1,500	1,700	470
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	<2,200	<1,900	2,200	2,400	<1,900
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	<1,500	<1,400	1,400	1,600	<1,400
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	na	na	2,200	2,100	<600
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	<350	<140	840	870	380
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<200	<65	320	360	96
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	<210	<80	280	310	82
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<220	<55	260	270	77
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	<100	<45	130	130	56
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<70	<25	92	100	33
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<35	<30	<30	<30	<30
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	na	na	E280	270	<90
				Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	<460	<240	620	630	200
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	<12	60	70	23
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	<65	<40	95	110	52
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	<45	<30	47	58	36
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	na	na	190	180	<60
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	<70	<30	E61	73	24
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	<70	<30	E52	65	<14
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	<1,400	<2,100	<1,300	<1,300	<1,300
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10	<10
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<20	<10	<10	<10	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	na	na	40	40	<20
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	na	na	250	220	<80
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	<25	<16	32	39	20

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C2-252 Isomers, C2-alkylated benzo-pyrene/ perylenes	C4-228 Isomers, C4-benz(*a*)-anthracene/ chrysenes	Benzo(*g,h,i*)-perylene	Indeno (1,2,3-*c,d*)-pyrene	Dibenzo(*a,h*)-anthracene
				Zone J—Jahncke Canal—Continued					
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	<35	<30	34	<30	32
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	<40	<30	35	<30	32
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	<15	<13	15	<13	14
				Other suspended and bed sediment samples					
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,600	<5,500	<5,500	<5,500	<5,500
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	<210	<390	<140	<140	<140
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	na	na	E50	50	<30
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	na	na	210	190	<60
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	na	na	40	30	<20
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	na	na	40	30	<20
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	<120	<85	150	160	110
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	<65	<35	100	110	39
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	<13	<12	12	<12	<12
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	<14	<12	E12	<12	<12
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<35	<25	28	38	E21
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<55	<18	71	77	23
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	na	na	230	210	<70
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	na	na	E50	50	<20
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	na	na	E40	40	<19
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<55	<20	68	80	E31
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<30	<15	26	32	<15
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	<45	<30	49	<30	39
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	na	na	40	50	<30
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	na	na	<30	<20	<20
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	na	na	<30	<30	<30
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	na	na	<10	<10	<10
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	na	na	<10	<10	<10
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	na	na	<10	<10	<10
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	na	na	<10	<10	<10

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C2-252 Isomers, C2-alkylated benzo-pyrene/ perylenes	C4-228 Isomers, C4-benz(*a*)-anthracene/ chrysenes	Benzo(*g,h,i*)-perylene	Indeno (1,2,3-*c,d*)-pyrene	Dibenzo(*a,h*)-anthracene
Sediment-quality guidelines									
	Threshold effect concentration (TEC)		- -	- -	na	na	na	na	33
	Probable effect concentration (PEC)		- -	- -	na	na	na	na	na
Quality-assurance samples									
	Blank		- -	2505R05270	na	na	<10	<10	<10
	Spike, in percent recovered (acceptable range)		- -	2505R05270	na	na	76.47 (37–100)	78.05 (31–107)	78.87 (21–123)
	Blank		- -	2505R05285	na	na	<10	<10	<10
	Spike, in percent recovered (acceptable range)		- -	2505R05285	na	na	80.85 (37–100)	82.11 (31–107)	82.70 (21–123)
	Blank		- -	2505R05291	na	na	<10	<10	<10
	Spike, in percent recovered (acceptable range)		- -	2505R05291	na	na	85.32 (37–100)	85.20 (31–107)	87.19 (21–123)
	Blank		- -	200529904	na	na	<10	<10	<10
	Spike, in percent recovered (acceptable range)		- -	200529904	na	na	73.32 (37–100)	79.44 (31–107)	81.24 (21–123)
	Blank		- -	200532510	na	na	<10	<10	<10
	Spike, in percent recovered (acceptable range)		- -	200532510	na	na	82.9 (37–100)	86.5 (31–107)	87.8 (21–123)
	Blank		- -	200532603	na	na	<10	<10	<10
	Spike, in percent recovered (acceptable range)		- -	200532603	na	na	82.4 (37–100)	86.6 (31–107)	87.2 (21–123)

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C3-252 Isomers, C3-alkylated benzopyrene/ perylenes	C4-252 Isomers, C4-alkylated benzopyrene/ perylenes	C5-228 Isomers, C5-benz(*a*)-anthracene/ chrysenes	C5-252 Isomers, C5-alkylated benzopyrene/ perylenes
				Zone E—17th Street Canal				
300113090064901	NO1	Street mud	9/21/2005	2505R05270	<75	<40	<55	<100
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	<80	<45	<65	<90
300056090070301	FDL	Street mud	10/03/2005	2505R05285	<250	<40	<130	<340
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	<2,100	<1,900	<1,900	<2,100
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	<1,400	<1,400	<1,400	<1,500
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	na	na	na	na
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	<190	<70	<110	<230
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<90	<50	<65	<120
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	<110	<50	<60	<120
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<90	<60	<60	<100
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	<70	<45	<65	<75
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<40	<30	<30	<40
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<30	<30	<30	<80
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	na	na	na	na
				Zone G—London Avenue Canal				
300110090400401	CD	Street mud	10/03/2005	2505R05285	<250	<30	<200	<85
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	<14	<11	<11	<19
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	<45	<40	<40	<50
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	<35	<30	<30	<35
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	na	na	na	na
				Zone J—Jahncke Canal				
300355089571801	ONE	Street mud	10/04/2005	2505R05285	<35	<17	<30	<25
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	<40	<19	<35	<25
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	<1,300	<1,300	<1,300	<1,300
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	<10	<10	<10	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	na	na	na	na
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	na	na	na	na
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	<17	<16	<16	<19

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C3-252 Isomers, C3-alkylated benzopyrene/ perylenes	C4-252 Isomers, C4-alkylated benzopyrene/ perylenes	C5-228 Isomers, C5-benz(*a*)-anthracene/ chrysenes	C5-252 Isomers, C5-alkylated benzopyrene/ perylenes
			Zone J—Jahncke Canal—Continued					
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<30	<30
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	<30	<30	<30	<30
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	<13	<13	<13	<13
			Other suspended and bed sediment samples					
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	<5,500	<5,500	<5,500	<5,500
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	<170	<150	<310	<180
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	na	na	na	na
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	na	na	na	na
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	na	na	na	na
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	na	na	na	na
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	<100	<85	<100	<110
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	<45	<25	<30	<45
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	<12	<12	<12	<12
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	<12	<12	<12	<12
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<25	<25	<25	<25
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<35	<25	<30	<35
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	na	na	na	na
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	na	na	na	na
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	na	na	na	na
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	<35	<35	<30	<45
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	<19	<17	<15	<18
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	<35	<30	<30	<35
			Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	na	na	na	na
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	na	na	na	na
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	na	na	na	na
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	na	na	na	na
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	na	na	na	na
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	na	na	na	na
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	na	na	na	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	C3-252 Isomers, C3-alkylated benzopyrene/ perylenes	C4-252 Isomers, C4-alkylated benzopyrene/ perylenes	C5-228 Isomers, C5-benz(*a*)-anthracene/ chrysenes	C5-252 Isomers, C5-alkylated benzopyrene/ perylenes
Sediment-quality guidelines								
	Threshold effect concentration (TEC)		- -	- -	na	na	na	na
	Probable effect concentration (PEC)		- -	- -	na	na	na	na
Quality-assurance samples								
	Blank		- -	2505R05270	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05270	na	na	na	na
	Blank		- -	2505R05285	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05285	na	na	na	na
	Blank		- -	2505R05291	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	2505R05291	na	na	na	na
	Blank		- -	200529904	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	200529904	na	na	na	na
	Blank		- -	200532510	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	200532510	na	na	na	na
	Blank		- -	200532603	na	na	na	na
	Spike, in percent recovered (acceptable range)		- -	200532603	na	na	na	na

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Sample mass (grams)	Calculated value	Surrogates, in percent recovery (acceptable range)		
						ΣPAH_{SQG}	2-Fluorobiphenyl (0-130)	Nitrobenzene-d5 (0-130)	p-Terphenyl-d14 (0-105)
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	2505R05270	11.6	3,900	78.0	81.6	90.1
300113090064901	NO1 dup.	Street mud	9/21/2005	2505R05270	11.6	3,800	80.4	79.1	85.4
300056090070301	FDL	Street mud	10/03/2005	2505R05285	21.7	**24,000**	77.6	77.5	87.2
300125090071701	E1	Suspended sediment	9/20/2005	2505R05270	0.13	15,000	78.1	72.4	95.2
300136090072001	E2	Suspended sediment	9/20/2005	2505R05270	0.18	10,000	75.7	77.5	88.9
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200532510	22.0	**42,000**	72.8	72.7	85.2
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	2505R05270	11.3	12,000	51.5	57.5	54.7
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	2505R05291	15.6	4,700	67.3	68.3	83.9
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	2505R05270	12.5	4,000	74.9	74.6	84.1
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	2505R05291	8.5	4,000	65.5	68.4	87.2
300202090071401	E4 0–1	Bed sediment (box core)	9/21/2005	2505R05270	8.4	1,500	76.9	76.5	85.9
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	2505R05291	9.8	1,000	68.6	69.7	84.6
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	2505R05291	8.7	470	85.1	83.3	94.8
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200532510	23.3	3,000	74.1	67.5	84.6
				Zone G—London Avenue Canal					
300110090400401	CD	Street mud	10/03/2005	2505R05285	20.4	6,400	82.2	82.7	77.9
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529904	22.8	570	63.8	59.2	85.5
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200529904	6.6	1,100	65.8	60.5	80.3
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	200529904	8.2	450	64.8	59.6	87.5
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200532510	22.3	2,200	85.4	72.8	98.5
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	2505R05285	27.6	1,200	80.3	83.4	83.0
300355089571801	ONE dup.	Street mud	10/04/2005	2505R05285	18.4	1,100	78.2	81.3	83.3
300330089575801	JNK	Suspended sediment	10/04/2005	2505R05285	0.20	2,600	79.8	70.8	87.2
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529904	24.2	6	57.2	54.0	77.8
300337089580701	J2 0–1 dup.	Bed sediment (box core)	10/10/2005	200529904	24.1	7	61.0	60.7	89.9
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200532510	22.3	690	84.7	83.0	92.1
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200532603	16.7	5,100	67.5	57.1	84.4
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	200529904	15.8	440	52.3	45.9	65.0

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Sample mass (grams)	Calculated value	Surrogates, in percent recovery (acceptable range)		
						ΣPAH_{SQG}	2-Fluorobiphenyl (0-130)	Nitrobenzene-d5 (0-130)	p-Terphenyl-d14 (0-105)
Zone J—Jahncke Canal—Continued									
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	200529904	8.3	370	61.9	58.0	83.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529904	8.6	370	62.9	54.1	87.1
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529904	19.3	190	59.3	57.0	83.8
Other suspended and bed sediment samples									
300158090020601	H1	Suspended sediment	9/21/2005	2505R05270	0.05	14,000	66.9	67.5	86.2
295808090001601	CHL	Suspended sediment	10/04/2005	2505R05285	1.8	980	81.2	102	89.4
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200532510	10.3	660	89.4	86.8	93.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200532603	23.1	4,000	63.3	56.5	82.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200532603	10.6	440	54.0	47.2	67.7
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200532603	21.3	290	64.0	54.1	82.4
300224090021901	H2 0–0.5	Bed sediment (box core)	9/21/2005	2505R05270	3.0	1,400	72.0	58.6	86.0
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	2505R05270	15.7	1,000	55.9	53.0	66.5
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	2505R05291	21.3	130	67.2	61.9	83.1
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	2505R05291	21.0	140	84.1	77.5	102
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	2505R05291	10.7	290	84.1	78.3	103
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	13.9	810	66.3	60.6	84.3
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200532510	17.6	2,800	89.1	83.0	100
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200532510	19.8	540	78.3	76.5	87.7
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200532510	21.9	360	83.0	78.0	92.0
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	2505R05291	7.3	810	64.1	64.9	82.3
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	2505R05291	16.3	280	69.6	66.4	88.8
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	200529904	8.2	1,100	58.1	54.5	85.4
Mid-lake reference site samples									
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200532510	11.4	650	88.4	85.5	100
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200532603	12.5	120	62.1	57.3	83.3
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200532603	9.5	150	66.4	56.9	89.2
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200532603	25.0	0	74.8	69.3	84.6
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200532603	25.0	0	66.7	64.2	83.2
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200532510	23.4	13	80.9	75.3	89.7
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200532603	24.5	34	69.0	58.4	90.0

Table 5. Polycyclic aromatic hydrocarbon compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Sample mass (grams)	Calculated value	Surrogates, in percent recovery (acceptable range)		
						ΣPAH_{SQG}	2-Fluorobiphenyl (0-130)	Nitrobenzene-d5 (0-130)	p-Terphenyl-d14 (0-105)
Sediment-quality guidelines									
	Threshold effect concentration (TEC)		- -	- -	- -	1,610	- -	- -	- -
	Probable effect concentration (PEC)		- -	- -	- -	**22,800**	- -	- -	- -
Quality-assurance samples									
	Blank		- -	2505R05270	- -	- -	73.40	63.36	80.72
	Spike, in percent recovered (acceptable range)		- -	2505R05270	- -	- -	74.17	66.51	78.26
	Blank		- -	2505R05285	- -	- -	73.55	63.15	77.48
	Spike, in percent recovered (acceptable range)		- -	2505R05285	- -	- -	80.17	78.92	82.57
	Blank		- -	2505R05291	- -	- -	64.13	66.65	73.82
	Spike, in percent recovered (acceptable range)		- -	2505R05291	- -	- -	73.96	75.8	85.1
	Blank		- -	200529904	- -	- -	60	50	71
	Spike, in percent recovered (acceptable range)		- -	200529904	- -	- -	65.0	52.1	75.1
	Blank		- -	200532510	- -	- -	86	72	93
	Spike, in percent recovered (acceptable range)		- -	200532510	- -	- -	85.6	75.3	92.4
	Blank		- -	200532603	- -	- -	65	52	76
	Spike, in percent recovered (acceptable range)		- -	200532603	- -	- -	79.4	68.1	88.0

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005.

[All concentrations in micrograms per kilogram except where indicated. ID, identifier; <, nondetection at indicated value; cm, centimeters; E, estimated value; dup., duplicate; na, not available; - -, not applicable; nd, not detected; nr, not reported by lab]

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Isopropyl-benzene (cumene)	Phenol	1,4-Dichloro-benzene	d-Limo-nene	para-Cresol	Aceto-phe-none	Iso-pho-rone
				Zone E—17th Street Canal							
300113090064901	NO1	Street mud	9/21/2005	1	<100	E3,100	<50	<50	<250	<100	<50
300056090070301	FDL	Street mud	10/03/2005	2	<100	E1,300	E32	E190	300	E220	<50
300125090071701	E1	Suspended sediment	10/03/2005	2	<100	E1,000	<50	<50	430	<100	<50
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	E19	E200	200	<50	620	<100	<50
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	<100	E4,400	<50	<50	24,000	<100	<50
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	<100	<50	<50	<50	<250	<100	<50
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	<100	E8,100	<50	<50	<250	<100	<50
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	<100	<50	<50	<50	490	<100	<50
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	<100	<50	<50	<50	<250	<100	<50
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	<100	E12,000	<50	<50	1,200	<100	<50
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	<100	E130	<50	<50	E43	<100	<50
				Zone G—London Avenue Canal							
300110090040401	CD	Street mud	10/03/2005	2	<100	E710	E47	E420	340	E190	<50
300152090042701	G1	Suspended sediment	10/03/2005	2	<100	<50	<50	<50	690	E790	<50
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	<100	<50	<50	<50	<250	<100	<50
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	<100	<50	<50	<50	<250	<100	E34
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	<100	<50	<50	<50	<250	<100	<50
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	<100	<50	<50	<50	E100	<100	<50
				Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	10/04/2005	2	<100	<50	<50	<50	E160	<100	<50
300355089571801	ONE dup.	Street mud	10/04/2005	2	<100	<50	<50	<50	E110	<100	<50
300330089575801	JNK	Suspended sediment	10/04/2005	2	<100	<50	<50	E2,500	530	E1,200	<50
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<100	<50	<50	<50	<250	<100	<50
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	<100	<50	<50	<50	<250	<100	<50
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	<100	E480	<50	<50	E140	<100	<50
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	<100	<50	<50	<50	<250	<100	<50
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	<100	<50	<50	<50	<250	<100	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Isopropyl-benzene (cumene)	Phenol	1,4-Dichloro-benzene	d-Limo-nene	para-Cresol	Aceto-phe-none	Iso-pho-rone
			Zone J—Jahncke Canal—Continued								
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	<100	<50	<50	<50	<250	<100	<50
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	<100	<50	<50	<50	<250	<100	<50
			Other suspended and bed sediment samples								
295808090001601	CHL	Suspended sediment	10/04/2005	2	<100	<50	<50	<50	2100	E1,400	<50
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	<100	E2,500	<50	<50	400	<100	<50
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	<100	<50	<50	<50	<250	<100	<50
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	<100	E2,100	<50	<50	300	<100	<50
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	<100	E290	<50	<50	<250	<100	<50
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	<100	E290	<50	<50	<250	<100	<50
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	<100	<50	<50	<50	<250	<100	E49
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	<100	E800	<50	<50	E160	E140	<50
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	<100	E680	<50	<50	E140	<100	<50
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	<100	<50	<50	<50	E67	E65	<50
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	<100	E700	<50	<50	E160	E150	<50
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	<100	E490	<50	<50	E100	<100	<50
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	<100	<50	<50	<50	<250	<100	<50
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	<100	E110	<50	<50	<250	<100	<50
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	<100	<50	<50	<50	<250	<100	<50
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	<100	<50	<50	<50	<250	<100	<50
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	<100	E1,400	E21	<50	280	<100	<50
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	<100	E520	<50	<50	E71	<100	<50
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	<100	<50	<50	<50	E30	<100	<50
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	<100	E5,100	<50	<50	730	<100	<50
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	<100	<50	<50	<50	<250	<100	<50
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	<100	<50	<50	<50	<250	<100	<50
			Mid-lake reference site samples								
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	<100	E610	<50	<50	330	<100	<50
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	<100	E310	<50	<50	E150	E120	<50
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	<100	<50	<50	<50	E130	<100	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Isopropyl-benzene (cumene)	Phenol	1,4-Dichloro-benzene	d-Limo-nene	para-Cresol	Aceto-phe-none	Iso-pho-rone
Mid-lake reference site samples—Continued											
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<100	<50	<50	<50	<250	<100	<50
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<100	<50	<50	<50	<250	<100	<50
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	<100	<50	<50	<50	<250	<100	<50
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<100	<50	<50	<50	<250	<100	<50
Quality-assurance samples											
	Blank	nr	- -	1	<100	58	<50	<50	<250	<100	<50
	Spike, in percent recovered	nr	- -	1	50	90	70	55	80	26	11
	Blank	Sediment	- -	2	<100	49	<50	<50	<250	<100	<50
	Spike, in percent recovered	Sediment	- -	2	34	60	55	43	65	36	46
	Blank	Water	- -	2	<100	<50	<50	<50	<250	<100	<50
	Spike, in percent recovered	Water	- -	2	41	60	50	46	70	49	50
	Blank	Water	- -	3	<100	<50	<50	<50	<250	<100	<50
	Spike, in percent recovered	Water	- -	3	85	60	85	100	95	49	22
	Blank	Sediment	- -	5	<100	36	<50	<50	<250	36	<50
	Spike, in percent recovered	Sediment	- -	5	55	70	75	65	75	50	18
	Blank	Water	- -	5	<100	<50	<50	<50	<250	<100	<50
	Spike, in percent recovered	Water	- -	5	49	65	70	65	90	65	43
	Blank	Sediment	- -	6	<100	<50	<50	<50	<250	<100	<50
	Spike, in percent recovered	Sediment	- -	6	38	69	63	44	108	108	48
	Blank	Water	- -	6	<100	<50	<50	<50	<250	<100	<50
	Spike, in percent recovered	Water	- -	6	67	69	73	73	90	82	60

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Cam-phor	Iso-borneol	Men-thol	Naph-thalene	Methyl salicylate	Isoquino-line	Indole
			Zone E—17th Street Canal								
300113090064901	NO1	Street mud	9/21/2005	1	<50	<50	<50	340	<50	<100	440
300056090070301	FDL	Street mud	10/03/2005	2	<50	<50	<50	760	<50	<100	810
300125090071701	E1	Suspended sediment	10/03/2005	2	<50	<50	<50	<50	<50	<100	2,900
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	<50	<50	<50	3,500	<50	<100	700
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	<50	<50	280	890	<50	<100	1,700
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	240	<50	<100	540
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	<50	<50	<50	500	<50	<100	350
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	130	<50	<50	220	<50	<100	580
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	100	<50	<100	720
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	530	<50	<100	1,600
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	<50	<50	<50	E29	<50	<100	96
			Zone G—London Avenue Canal								
300110090040401	CD	Street mud	10/03/2005	2	<50	<50	<50	500	<50	<100	800
300152090042701	G1	Suspended sediment	10/03/2005	2	<50	<50	<50	120	<50	<100	2,700
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<50	<50	<100	<50
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	82	<50	<100	640
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	53	<50	<100	700
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	<50	<50	<50	92	<50	<100	280
			Zone J—Jahncke Canal								
300355089571801	ONE	Street mud	10/04/2005	2	<50	<50	<50	<50	<50	<100	840
300355089571801	ONE dup.	Street mud	10/04/2005	2	<50	<50	<50	<50	<50	<100	790
300330089575801	JNK	Suspended sediment	10/04/2005	2	<50	<50	<50	<50	<50	<100	10,000
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<50	<50	<100	77
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	<50	<50	<50	E36	<50	<100	190
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	<50	<50	<50	<50	<50	<100	E33
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	<50	E20	<50	E33	<50	<100	300
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<50	<50	<100	1,400

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Cam-phor	Iso-borneol	Men-thol	Naph-thalene	Methyl salicylate	Isoquino-line	Indole
			Zone J—Jahncke Canal—Continued								
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	54	<50	<100	710
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	E12	<50	<100	E18
			Other suspended and bed sediment samples								
295808090001601	CHL	Suspended sediment	10/04/2005	2	<50	<50	<50	<50	<50	<100	4,800
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	<50	<50	<50	250	<50	<100	1,200
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	<50	<50	<50	85	<50	<100	98
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	<50	<50	<50	130	<50	<100	1,100
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	<50	<50	<50	E31	<50	<100	E19
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	<50	<50	<50	E35	<50	<100	57
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	<50	<50	<50	110	<50	<100	600
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	<50	<50	<50	67	<50	<100	510
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	<50	<50	<50	<50	<50	<100	560
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	<50	<50	<50	62	<50	<100	440
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	<50	<50	<50	<50	<50	<100	860
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	<50	<50	<50	<50	<50	<100	250
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	E18	<50	<100	E16
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	<50	<50	<50	E18	<50	<100	E16
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	E30	<50	<100	100
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	60	<50	<100	230
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	<50	<50	<50	120	<50	<100	320
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	<50	<50	<50	E45	<50	<100	340
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	<50	<50	<50	E12	<50	<100	66
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	150	<50	<100	730
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	E20	<50	<100	170
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	54	<50	<100	680
			Mid-lake reference site samples								
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	<50	<50	<50	46	<50	<100	970
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	<50	<50	<50	49	<50	<100	470
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	<50	<50	<50	55	<50	<100	190

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Camphor	Isoborneol	Menthol	Naphthalene	Methyl salicylate	Isoquinoline	Indole
Mid-lake reference site samples—Continued											
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<50	<50	<50	<50	<50	<100	<50
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<50	<50	<50	<50	<50	<100	<50
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	<50	<50	<50	<50	<50	<100	E33
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<50	<50	<50	<50	<50	<100	<50
Quality-assurance samples											
	Blank	nr	- -	1	<50	<50	<50	<50	<50	<100	<50
	Spike, in percent recovered	nr	- -	1	45	85	100	80	12	39	80
	Blank	Sediment	- -	2	<50	<50	<50	<50	<50	<100	<50
	Spike, in percent recovered	Sediment	- -	2	55	75	105	75	37	53	49
	Blank	Water	- -	2	<50	<50	<50	<50	<50	<100	<50
	Spike, in percent recovered	Water	- -	2	65	90	75	60	22	42	50
	Blank	Water	- -	3	<50	<50	<50	<50	<50	<100	<50
	Spike, in percent recovered	Water	- -	3	75	72	25	100	32	38	65
	Blank	Sediment	- -	5	<50	<50	<50	<50	<50	<100	<50
	Spike, in percent recovered	Sediment	- -	5	65	75	100	85	24	38	55
	Blank	Water	- -	5	<50	<50	<50	<50	<50	<100	<50
	Spike, in percent recovered	Water	- -	5	80	80	105	80	15	43	60
	Blank	Sediment	- -	6	<50	<50	<50	<50	<50	<100	<50
	Spike, in percent recovered	Sediment	- -	6	91	94	113	84	2.3	89	81
	Blank	Water	- -	6	<50	<50	<50	18	<50	<100	<50
	Spike, in percent recovered	Water	- -	6	91	88	95	89	5.6	74	75

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	2-Methyl-naph-thalene	1-Methyl-naph-thalene	3-Methyl-1H-indole (skatole)	2,6-Dimethyl-naphthalene	3-tert-Butyl-4-hydroxy-anisole (BHA)
			Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	1	94	100	220	200	<100
300056090070301	FDL	Street mud	10/03/2005	2	330	270	140	240	<100
300125090071701	E1	Suspended sediment	10/03/2005	2	140	130	2,000	1,000	<100
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	2,100	1,600	<50	1,600	<100
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	300	160	610	460	<100
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	130	110	120	180	<100
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	110	71	150	190	<100
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	120	69	190	260	<100
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	E43	E46	170	110	<100
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	140	<50	<50	<50	<100
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	E20	E18	52	E15	<100
			Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	2	280	150	300	320	<100
300152090042701	G1	Suspended sediment	10/03/2005	2	110	130	2,200	2,800	<100
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	E5.9	<100
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	E45	E38	120	100	<100
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	E32	E22	160	96	<100
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	62	61	61	66	<100
			Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	2	E23	E19	140	E38	<100
300355089571801	ONE dup.	Street mud	10/04/2005	2	E19	E16	220	E44	<100
300330089575801	JNK	Suspended sediment	10/04/2005	2	<50	<50	1,600	<50	<100
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	E3.3	<100
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	<50	<50	64	E36	<100
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	E45	E45	95	66	<100
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	E13	E35	190	93	<100
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	160	130	<100

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	2-Methyl-naph-thalene	1-Methyl-naph-thalene	3-Methyl-1H-indole (skatole)	2,6-Dimethyl-naphthalene	3-tert-Butyl-4-hydroxy-anisole (BHA)
			Zone J—Jahncke Canal—Continued						
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	E28	E27	140	78	<100
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	E7.3	E6.6	E45	E22	<100
			Other suspended and bed sediment samples						
295808090001601	CHL	Suspended sediment	10/04/2005	2	<50	<50	6,400	4,800	<100
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	53	E37	240	150	<100
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	E37	E26	E43	E43	<100
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	E38	E49	260	170	<100
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	E17	E11	E48	E30	<100
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	E20	E13	73	E32	<100
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	70	130	130	120	<100
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	E42	E37	140	130	<100
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	E38	E31	150	170	<100
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	E33	E27	120	120	<100
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	52	57	190	130	<100
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	E46	E27	230	98	<100
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	<50	<50	E14	<50	<100
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	<50	<50	76	<50	<100
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	E16	E15	84	E31	<100
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	E28	E22	140	51	<100
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	120	<50	110	110	<100
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	E20	E18	61	50	<100
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	E11	<50	E27	E22	<100
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	80	58	190	160	<100
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	E12	E10	E22	E24	<100
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	130	E47	<100
			Mid-lake reference site samples						
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	E21	E14	240	64	<100
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	E29	E20	280	80	<100
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	E28	E20	330	59	<100

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	2-Methyl-naph-thalene	1-Methyl-naph-thalene	3-Methyl-1H-indole (skatole)	2,6-Dimethyl-naphthalene	3-tert-Butyl-4-hydroxy-anisole (BHA)
Mid-lake reference site samples—Continued									
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<50	<50	E17	<50	<100
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<50	<50	E10	<50	<100
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	<50	<50	E14	<50	<100
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<50	<50	E17	<50	<100
Quality-assurance samples									
	Blank	nr	- -	1	<50	<50	<50	<50	<100
	Spike, in percent recovered	nr	- -	1	80	85	90	85	55
	Blank	Sediment	- -	2	<50	<50	<50	<50	<100
	Spike, in percent recovered	Sediment	- -	2	75	75	70	75	39
	Blank	Water	- -	2	<50	<50	<50	<50	<100
	Spike, in percent recovered	Water	- -	2	60	60	65	60	40
	Blank	Water	- -	3	<50	<50	<50	<50	<100
	Spike, in percent recovered	Water	- -	3	100	100	90	95	81
	Blank	Sediment	- -	5	<50	<50	<50	<50	<100
	Spike, in percent recovered	Sediment	- -	5	90	90	60	90	61
	Blank	Water	- -	5	<50	<50	<50	<50	<100
	Spike, in percent recovered	Water	- -	5	85	85	70	80	33
	Blank	Sediment	- -	6	<50	<50	<50	<50	<100
	Spike, in percent recovered	Sediment	- -	6	86	87	90	88	43
	Blank	Water	- -	6	10	<50	<50	<50	<100
	Spike, in percent recovered	Water	- -	6	91	92	82	92	34

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	N,N-Diethyl-meta-toluamide (DEET)	Diethyl phthalate	4-tert-Octylphenol	Tributyl phosphate	Benzophenone	Prometon
			Zone E—17th Street Canal							
300113090064901	NO1	Street mud	9/21/2005	1	<50	<100	<50	<50	<50	<50
300056090070301	FDL	Street mud	10/03/2005	2	<50	<100	<50	<50	<50	<50
300125090071701	E1	Suspended sediment	10/03/2005	2	<50	<100	<50	<50	<50	<50
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	<50	<100	<50	<50	<50	<50
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	E58	<100	270	<50	<50	<50
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	<50	<100	<50	<50	<50	<50
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	<50	<100	<50	<50	<50	<50
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	<50	<100	<50	<50	<50	<50
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	<50	<100	<50	<50	<50	<50
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	<50	<100	<50	<50	<50	<50
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	<50	<100	<50	<50	<50	<50
			Zone G—London Avenue Canal							
300110090040401	CD	Street mud	10/03/2005	2	<50	<100	240	<50	<50	<50
300152090042701	G1	Suspended sediment	10/03/2005	2	E220	<100	<50	<50	<50	<50
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<100	<50	<50	<50	<50
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	<50	<100	<50	<50	<50	<50
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	<50	<100	<50	<50	<50	<50
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	<50	<100	<50	<50	<50	<50
			Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	10/04/2005	2	<50	<100	<50	<50	<50	<50
300355089571801	ONE dup.	Street mud	10/04/2005	2	<50	<100	<50	<50	<50	<50
300330089575801	JNK	Suspended sediment	10/04/2005	2	<50	<100	<50	<50	<50	<50
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<100	<50	<50	<50	<50
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	<50	<100	<50	<50	<50	<50
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	<50	<100	<50	<50	<50	<50
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	<50	<100	<50	<50	<50	<50
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	<50	<100	<50	<50	<50	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	N,N-Diethyl-meta-toluamide (DEET)	Diethyl phtha-late	4-tert-Octyl-phenol	Tributyl phos-phate	Benzo-phenone	Pro-meton
			Zone J—Jahncke Canal—Continued							
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	<50	<100	<50	<50	<50	<50
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	<50	<100	<50	<50	<50	<50
			Other suspended and bed sediment samples							
295808090001601	CHL	Suspended sediment	10/04/2005	2	E190	<100	<50	<50	<50	<50
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	<50	<100	<50	<50	<50	<50
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	<50	<100	<50	<50	<50	<50
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	<50	<100	<50	<50	<50	<50
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	<50	<100	<50	<50	<50	<50
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	<50	<100	<50	<50	<50	<50
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	<50	<100	<50	<50	<50	<50
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	<50	<100	<50	<50	<50	<50
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	<50	<100	<50	<50	<50	<50
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	<50	<100	<50	<50	<50	<50
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	<50	<100	<50	<50	<50	<50
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	<50	<100	<50	<50	<50	<50
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	<50	<100	<50	<50	<50	<50
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	<50	<100	<50	<50	<50	<50
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	<50	<100	<50	<50	<50	<50
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<100	<50	<50	<50	<50
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	<50	<100	280	<50	<50	<50
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	<50	<100	<50	<50	<50	<50
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	<50	<100	<50	<50	<50	<50
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<100	<50	<50	<50	<50
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	<50	<100	<50	<50	<50	<50
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	<50	<100	<50	<50	<50	<50
			Mid-lake reference site samples							
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	<50	<100	<50	<50	<50	<50
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	<50	<100	<50	<50	<50	<50
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	<50	<100	<50	<50	<50	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	N,N-Diethyl-meta-toluamide (DEET)	Diethyl phthalate	4-tert-Octylphenol	Tributyl phosphate	Benzophenone	Prometon
Mid-lake reference site samples—Continued										
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<50	<100	<50	<50	<50	<50
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<50	<100	<50	<50	<50	<50
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	<50	<100	<50	<50	<50	<50
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<50	<100	<50	<50	<50	<50
Quality-assurance samples										
	Blank	nr	- -	1	<50	<100	<50	<50	<50	<50
	Spike, in percent recovered	nr	- -	1	28	65	95	120	90	90
	Blank	Sediment	- -	2	<50	<100	<50	<50	<50	<50
	Spike, in percent recovered	Sediment	- -	2	41	55	90	90	80	60
	Blank	Water	- -	2	<50	<100	<50	<50	<50	<50
	Spike, in percent recovered	Water	- -	2	60	46	95	70	75	90
	Blank	Water	- -	3	<50	<100	<50	<50	<50	<50
	Spike, in percent recovered	Water	- -	3	42	65	115	80	105	55
	Blank	Sediment	- -	5	<50	<100	<50	<50	<50	<50
	Spike, in percent recovered	Sediment	- -	5	44	39	75	70	90	42
	Blank	Water	- -	5	<50	<100	<50	<50	<50	<50
	Spike, in percent recovered	Water	- -	5	75	48	80	70	85	71
	Blank	Sediment	- -	6	<50	<100	<50	<50	<50	<50
	Spike, in percent recovered	Sediment	- -	6	92	52	97	96	98	97
	Blank	Water	- -	6	<50	<100	<50	<50	<50	<50
	Spike, in percent recovered	Water	- -	6	91	87	104	89	91	90

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Atrazine	para-Nonylphenol (total)	Tris(2-chloroethyl) phosphate	4-n-Octyl-phenol	Penta-chloro-phenol	Diazi-non
			Zone E—17th Street Canal							
300113090064901	NO1	Street mud	9/21/2005	1	<100	<500	<100	<50	<500	<50
300056090070301	FDL	Street mud	10/03/2005	2	<100	<500	<100	<50	<500	<50
300125090071701	E1	Suspended sediment	10/03/2005	2	<100	<500	<100	<50	<500	<50
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	<100	E5,000	<100	<50	<500	<50
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	<100	E2,900	<100	<50	<500	<50
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	<100	E2,300	<100	<50	<500	<50
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	<100	<500	<100	<50	<500	<50
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	<100	E2,700	<100	<50	<500	<50
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	<100	<500	<100	<50	<500	<50
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	<100	<500	<100	<50	<500	<50
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	<100	<500	<100	<50	<500	<50
			Zone G—London Avenue Canal							
300110090040401	CD	Street mud	10/03/2005	2	<100	E12,000	<100	<50	<500	<50
300152090042701	G1	Suspended sediment	10/03/2005	2	<100	<500	<100	<50	<500	<50
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	<100	<500	<100	<50	<500	<50
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	<100	<500	<100	<50	<500	<50
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	<100	<500	<100	<50	<500	<50
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	<100	<500	<100	<50	<500	<50
			Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	10/04/2005	2	<100	<500	<100	<50	<500	<50
300355089571801	ONE dup.	Street mud	10/04/2005	2	<100	<500	<100	<50	<500	<50
300330089575801	JNK	Suspended sediment	10/04/2005	2	<100	<500	<100	<50	<500	<50
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<100	<500	<100	<50	<500	<50
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	<100	<500	<100	<50	<500	<50
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	<100	<500	<100	<50	<500	<50
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	<100	<500	<100	<50	<500	<50
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	<100	<500	<100	<50	<500	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Atrazine	para-Nonylphenol (total)	Tris(2-chloroethyl) phosphate	4-n-Octylphenol	Pentachlorophenol	Diazinon
Zone J—Jahncke Canal—Continued										
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	<100	<500	<100	<50	<500	<50
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	<100	<500	<100	<50	<500	<50
Other suspended and bed sediment samples										
295808090001601	CHL	Suspended sediment	10/04/2005	2	<100	<500	<100	<50	<500	<50
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	<100	<500	<100	<50	<500	<50
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	<100	<500	<100	<50	<500	<50
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	<100	<500	<100	<50	<500	<50
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	<100	<500	<100	<50	<500	<50
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	<100	<500	<100	<50	<500	<50
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	<100	<500	<100	<50	<500	<50
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	<100	<500	<100	<50	<500	<50
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	<100	<500	<100	<50	<500	<50
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	<100	<500	<100	<50	<500	<50
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	<100	<500	<100	<50	<500	<50
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	<100	<500	<100	<50	<500	<50
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	<100	<500	<100	<50	<500	<50
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	<100	<500	<100	<50	<500	<50
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	<100	<500	<100	<50	<500	<50
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	<100	<500	<100	<50	<500	<50
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	<100	E15,000	<100	<50	<500	<50
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	<100	<500	<100	<50	<500	<50
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	<100	<500	<100	<50	<500	<50
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	<100	<500	<100	<50	<500	<50
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	<100	E900	<100	<50	<500	<50
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	<100	<500	<100	<50	<500	<50
Mid-lake reference site samples										
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	<100	<500	<100	<50	<500	<50
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	<100	<500	<100	<50	<500	<50
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	<100	<500	<100	<50	<500	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Atrazine	para-Nonylphenol (total)	Tris(2-chloroethyl) phosphate	4-n-Octyl-phenol	Penta-chloro-phenol	Diazi-non
			Mid-lake reference site samples—Continued							
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<100	<500	<100	<50	<500	<50
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<100	<500	<100	<50	<500	<50
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	<100	<500	<100	<50	<500	<50
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<100	<500	<100	<50	<500	<50
Quality-assurance samples										
	Blank	nr	- -	1	<100	<500	<100	<50	<500	<50
	Spike, in percent recovered	nr	- -	1	100	60	36	95	55	110
	Blank	Sediment	- -	2	<100	<500	<100	<50	<500	<50
	Spike, in percent recovered	Sediment	- -	2	90	E72	46	90	35	75
	Blank	Water	- -	2	<100	<500	<100	<50	<500	<50
	Spike, in percent recovered	Water	- -	2	85	E67	38	65	30	70
	Blank	Water	- -	3	<100	<500	<100	<50	<500	<50
	Spike, in percent recovered	Water	- -	3	75	108	24	115	21	65
	Blank	Sediment	- -	5	<100	<500	<100	<50	<500	<50
	Spike, in percent recovered	Sediment	- -	5	65	E82	30	65	58	70
	Blank	Water	- -	5	<100	<500	<100	<50	<500	<50
	Spike, in percent recovered	Water	- -	5	65	E82	48	80	70	70
	Blank	Sediment	- -	6	<100	<500	<100	<50	<500	<50
	Spike, in percent recovered	Sediment	- -	6	100	96	65	93	0	82
	Blank	Water	- -	6	<100	<500	<100	<50	<500	<50
	Spike, in percent recovered	Water	- -	6	97	87	73	88	13	99

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Phenanthrene	Anthracene	Carbazole	Octylphenol, monoethoxy (OPEO1)	Acetyl hexamethyl tetrahydronaphthalene (AHTN)
			Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	1	1,000	340	nd	<250	<50
300056090070301	FDL	Street mud	10/03/2005	2	6,700	2,200	600	<250	<50
300125090071701	E1	Suspended sediment	10/03/2005	2	900	470	130	<250	<50
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	46,000	10,000	5,500	<250	E26
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	720	320	71	E340	13
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	1,400	490	150	<250	<50
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	930	370	130	<250	<50
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	940	370	110	<250	<50
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	270	120	<50	<250	<50
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	820	200	200	<250	<50
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	650	140	<50	<250	<50
			Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	2	1,000	690	180	<250	<50
300152090042701	G1	Suspended sediment	10/03/2005	2	500	270	140	<250	1,600
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	57	E18	<50	<250	<50
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	230	100	<50	<250	<50
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	100	54	<50	<250	<50
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	920	180	<50	<250	<50
			Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	2	260	120	70	<250	<50
300355089571801	ONE dup.	Street mud	10/04/2005	2	220	110	63	<250	<50
300330089575801	JNK	Suspended sediment	10/04/2005	2	<50	<50	<50	<250	<50
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	11	E4.2	<50	<250	<50
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	110	50	<50	<250	<50
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	240	160	<50	<250	<50
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	74	52	<50	<250	<50
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	92	E42	<50	<250	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Phenanthrene	Anthracene	Carbazole	Octylphenol, monoethoxy (OPEO1)	Acetyl hexamethyl tetrahydronaphthalene (AHTN)
			Zone J—Jahncke Canal—Continued						
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	89	E30	<50	<250	<50
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	E39	E24	<50	<250	<50
			Other suspended and bed sediment samples						
295808090001601	CHL	Suspended sediment	10/04/2005	2	<50	<50	170	<250	<50
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	220	86	E44	<250	<50
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	1,400	380	180	<250	<50
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	160	100	E38	<250	<50
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	E47	E37	<50	<250	<50
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	58	E42	<50	<250	<50
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	370	170	nd	<250	<50
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	200	89	E23	<250	<50
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	190	67	E28	<250	<50
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	210	66	E23	<250	<50
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	200	64	E22	<250	<50
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	110	94	E18	<250	<50
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	56	<50	<50	<250	<50
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	59	E9.2	<50	<250	<50
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	E22	E17	<50	<250	<50
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	210	89	<50	E2,500	<50
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	340	190	52	<250	E16
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	140	E43	<50	<250	<50
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	51	E14	<50	<250	<50
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	320	110	<50	<250	<50
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	E40	E14	<50	<250	<50
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	340	240	<50	<250	<50
			Mid-lake reference site samples						
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	81	E29	<50	<250	<50
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	130	E29	<50	<250	<50
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	83	E27	<50	<250	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Phenanthrene	Anthracene	Carbazole	Octylphenol, monoethoxy (OPEO1)	Acetyl hexamethyl tetrahydronaphthalene (AHTN)
Mid-lake reference site samples—Continued									
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<50	<50	<50	<250	<50
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<50	<50	<50	<250	<50
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	E5.2	E1.6	<50	<250	<50
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	E9.3	E2.4	<50	<250	<50
Quality-assurance samples									
	Blank	nr	- -	1	<50	<50	<50	<250	<50
	Spike, in percent recovered	nr	- -	1	95	90	105	113	120
	Blank	Sediment	- -	2	<50	<50	<50	<250	<50
	Spike, in percent recovered	Sediment	- -	2	90	80	105	E80	100
	Blank	Water	- -	2	<50	<50	<50	<250	<50
	Spike, in percent recovered	Water	- -	2	70	70	75	E71	70
	Blank	Water	- -	3	<50	<50	<50	<250	<50
	Spike, in percent recovered	Water	- -	3	100	100	105	750	95
	Blank	Sediment	- -	5	<50	<50	<50	<250	<50
	Spike, in percent recovered	Sediment	- -	5	90	80	90	E75	90
	Blank	Water	- -	5	<50	<50	<50	<250	<50
	Spike, in percent recovered	Water	- -	5	85	80	85	E75	90
	Blank	Sediment	- -	6	<50	<50	<50	<250	<50
	Spike, in percent recovered	Sediment	- -	6	100	99	99	96	107
	Blank	Water	- -	6	<50	<50	<50	<250	<50
	Spike, in percent recovered	Water	- -	6	101	94	97	98	101

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	4-Cumyl-phenol	Hexahydrohexamethyl-cyclopentabenzopyran (HHCB)	Metalaxyl	Bro-macil	Metola-chlor
			Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	1	<50	<50	<50	<500	<50
300056090070301	FDL	Street mud	10/03/2005	2	<50	<50	<50	<500	<50
300125090071701	E1	Suspended sediment	10/03/2005	2	<50	<50	<50	<500	<50
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	<50	E30	<50	<500	<50
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	10	10	<50	<500	<50
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	<500	<50
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	<50	<50	<50	<500	<50
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	<500	<50
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	<500	<50
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	<500	<50
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	<50	<50	<50	<500	<50
			Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	2	<50	<50	<50	<500	<50
300152090042701	G1	Suspended sediment	10/03/2005	2	<50	440	<50	<500	<50
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<500	<50
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<500	<50
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<500	<50
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	<50	<50	<50	<500	<50
			Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	2	<50	<50	<50	<500	<50
300355089571801	ONE dup.	Street mud	10/04/2005	2	<50	<50	<50	<500	<50
300330089575801	JNK	Suspended sediment	10/04/2005	2	<50	<50	<50	<500	<50
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<500	<50
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	<50	<50	<50	<500	<50
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	<50	<50	<50	<500	<50
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<500	<50
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<500	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	4-Cumyl-phenol	Hexahydrohexamethyl-cyclopentabenzopyran (HHCB)	Metalaxyl	Bro-macil	Metola-chlor
Zone J—Jahncke Canal—Continued									
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<500	<50
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<500	<50
Other suspended and bed sediment samples									
295808090001601	CHL	Suspended sediment	10/04/2005	2	<50	<50	<50	<500	<50
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	<50	<50	<50	<500	<50
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	<50	<50	<50	<500	<50
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	<50	<50	<50	<500	<50
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	<50	<50	<50	<500	<50
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	<50	<50	<50	<500	<50
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	<50	<50	<50	<500	<50
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	<50	<50	<50	<500	<50
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	<50	<50	<50	<500	<50
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	<50	<50	<50	<500	<50
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	<50	<50	<50	<500	<50
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	<50	<50	<50	<500	<50
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	<500	<50
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	<50	<50	<50	<500	<50
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	<500	<50
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	<500	<50
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	<50	E13	<50	<500	<50
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	<50	<50	<50	<500	<50
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	<50	<50	<50	<500	<50
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	<500	<50
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	<50	<50	<50	<500	<50
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<50	<500	<50
Mid-lake reference site samples									
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	<50	<50	<50	<500	<50
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	<50	<50	<50	<500	<50
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	<50	<50	<50	<500	<50

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	4-Cumyl-phenol	Hexahydrohexamethyl-cyclopentabenzopyran (HHCB)	Metalaxyl	Bro-macil	Metola-chlor
			Mid-lake reference site samples—Continued						
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<50	<50	<50	<500	<50
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<50	<50	<50	<500	<50
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	<50	<50	<50	<500	<50
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<50	<50	<50	<500	<50
Quality-assurance samples									
	Blank	nr	- -	1	<50	<50	<50	<500	<50
	Spike, in percent recovered	nr	- -	1	95	100	30	42	100
	Blank	Sediment	- -	2	<50	<50	<50	<500	<50
	Spike, in percent recovered	Sediment	- -	2	95	70	46	58	95
	Blank	Water	- -	2	<50	<50	<50	<500	<50
	Spike, in percent recovered	Water	- -	2	65	60	42	63	70
	Blank	Water	- -	3	<50	<50	<50	<500	<50
	Spike, in percent recovered	Water	- -	3	90	75	16	70	105
	Blank	Sediment	- -	5	<50	<50	<50	<500	<50
	Spike, in percent recovered	Sediment	- -	5	75	75	38	54	90
	Blank	Water	- -	5	<50	<50	<50	<500	<50
	Spike, in percent recovered	Water	- -	5	80	70	50	63	85
	Blank	Sediment	- -	6	<50	<50	<50	<500	<50
	Spike, in percent recovered	Sediment	- -	6	94	90	50	82	100
	Blank	Water	- -	6	<50	<50	<50	<500	<50
	Spike, in percent recovered	Water	- -	6	88	86	93	89	93

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Chlor-pyrifos	Anthra-quinone	Nonylphenol, monoethoxy (total, NPEO1)	Fluoran-thene	Triclo-san	Pyrene
			Zone E—17th Street Canal							
300113090064901	NO1	Street mud	9/21/2005	1	<50	180	<500	2,100	<50	1,600
300056090070301	FDL	Street mud	10/03/2005	2	<50	1,000	<500	10,000	<50	9,400
300125090071701	E1	Suspended sediment	10/03/2005	2	<50	<50	<500	1,900	<50	2,000
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	<50	5,100	<500	42,000	<50	32,000
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	<50	94	E590	1,400	<50	1,300
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	<50	290	E760	3,100	<50	2,600
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	<110	270	<500	2,500	<50	2,100
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	<50	300	E760	2,300	<50	1,900
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	<50	140	<500	620	<50	550
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<500	520	<50	400
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	<50	260	<500	1,500	<50	1,300
			Zone G—London Avenue Canal							
300110090040401	CD	Street mud	10/03/2005	2	<50	450	<500	3,200	<50	2,800
300152090042701	G1	Suspended sediment	10/03/2005	2	<50	720	<500	900	<50	1,100
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	<50	E23	<500	150	<50	130
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	<50	140	<500	590	<50	510
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	<50	72	<500	250	<50	240
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	<50	150	<500	1,300	<50	1,100
			Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	10/04/2005	2	<50	220	<500	810	<50	640
300355089571801	ONE dup.	Street mud	10/04/2005	2	<50	220	<500	700	<50	540
300330089575801	JNK	Suspended sediment	10/04/2005	2	<50	1,100	<500	<50	<50	<50
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<500	E23	<50	E17
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	<50	E38	<500	280	<50	230
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	<50	66	<500	790	<50	670
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	<50	58	<500	240	<50	190
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	<50	69	<500	220	<50	180

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Chlor-pyrifos	Anthra-quinone	Nonylphenol, monoethoxy (total, NPEO1)	Fluoran-thene	Triclo-san	Pyrene
			Zone J—Jahncke Canal—Continued							
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	<50	65	<500	210	<50	190
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	<50	E20	<500	96	<50	78
			Other suspended and bed sediment samples							
295808090001601	CHL	Suspended sediment	10/04/2005	2	<50	1,600	<500	880	<50	890
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	<50	94	<500	350	<50	280
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	<50	290	<500	2,600	<50	2,400
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	<50	68	<500	370	<50	350
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	<50	E23	<500	110	<50	170
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	<50	E26	<500	180	<50	240
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	<50	100	<500	1,200	<50	1,200
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	<50	98	<500	390	<50	360
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	<50	67	<500	360	<50	350
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	<50	68	<500	360	<50	360
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	<50	83	<500	410	<50	390
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	<50	72	<500	370	<50	340
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	<50	E22	<500	81	<50	56
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	<50	E22	<500	76	<50	54
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	<50	E29	<500	93	<50	87
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	<50	84	<500	390	<50	330
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	<50	160	<500	1,400	<50	1,200
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	<50	82	<500	280	<50	230
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	<50	E27	<500	120	<50	100
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	<50	170	<500	420	<50	350
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	<50	E35	<500	100	<50	110
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	<50	100	<500	660	<50	520
			Mid-lake reference site samples							
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	<50	E44	<500	95	<50	110
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	<50	82	<500	130	<50	120
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	<50	56	<500	96	<50	92

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Chlor-pyrifos	Anthra-quinone	Nonylphenol, monoethoxy (total, NPEO1)	Fluoran-thene	Triclo-san	Pyrene
Mid-lake reference site samples—Continued										
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<50	<50	<500	<50	<50	<50
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<50	<50	<500	E3.9	<50	E3.4
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	<50	<50	<500	E13	<50	E10
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<50	<50	<500	E13	<50	E11
Quality-assurance samples										
	Blank	nr	- -	1	<50	<50	<500	<50	<50	<50
	Spike, in percent recovered	nr	- -	1	90	85	62	100	120	95
	Blank	Sediment	- -	2	<50	<50	<500	<50	<50	<50
	Spike, in percent recovered	Sediment	- -	2	55	75	E61	95	95	95
	Blank	Water	- -	2	<50	<50	<500	<50	<50	<50
	Spike, in percent recovered	Water	- -	2	40	65	E58	75	65	75
	Blank	Water	- -	3	<50	<50	<500	<50	<50	<50
	Spike, in percent recovered	Water	- -	3	44	90	67	95	70	95
	Blank	Sediment	- -	5	<50	<50	<500	2.4	<50	2.3
	Spike, in percent recovered	Sediment	- -	5	44	80	E54	90	90	90
	Blank	Water	- -	5	<50	<50	<500	<50	<50	<50
	Spike, in percent recovered	Water	- -	5	50	80	E54	85	90	85
	Blank	Sediment	- -	6	<50	<50	<500	<50	<50	<50
	Spike, in percent recovered	Sediment	- -	6	64	99	94	104	103	104
	Blank	Water	- -	6	<50	<50	<500	<50	<50	<50
	Spike, in percent recovered	Water	- -	6	70	67	100	100	99	97

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Octylphenol, diethoxy (OPEO2)	Bisphenol A	Nonylphenol, diethoxy (total, NPEO2)	Tris(dichloro-isopropyl) phosphate	Tris-(2-butoxyethyl) phosphate
			Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	1	E150	E140	<1,000	<100	<100
300056090070301	FDL	Street mud	10/03/2005	2	<50	<50	<1,000	<100	<100
300125090071701	E1	Suspended sediment	10/03/2005	2	<50	E660	<1,000	<100	<100
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	<50	<50	<1,000	<100	<100
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	<50	E150	E550	24	170
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	<50	E110	<1,000	<100	<100
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	E130	<50	<1,000	<100	<100
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	<50	E22	<1,000	<100	<100
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<1,000	<100	<100
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<1,000	<100	<100
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	<50	<50	<1,000	<100	<100
			Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	2	<50	<50	<1,000	<100	<100
300152090042701	G1	Suspended sediment	10/03/2005	2	<50	<50	<1,000	<100	<100
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<1,000	<100	<100
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<1,000	<100	<100
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	<50	E150	<1,000	<100	<100
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	<50	<50	<1,000	<100	<100
			Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	2	<50	<50	<1,000	E39	<100
300355089571801	ONE dup.	Street mud	10/04/2005	2	<50	<50	<1,000	<100	<100
300330089575801	JNK	Suspended sediment	10/04/2005	2	<50	E2,500	<1,000	<100	<100
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<1,000	<100	<100
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	<50	<50	<1,000	<100	<100
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	<50	E110	<1,000	<100	<100
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<1,000	<100	<100
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<1,000	<100	<100

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Octylphenol, diethoxy (OPEO2)	Bisphenol A	Nonylphenol, diethoxy (total, NPEO2)	Tris(dichloro-isopropyl) phosphate	Tris-(2-butoxyethyl) phosphate
Zone J—Jahncke Canal—Continued									
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<1,000	<100	<100
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<1,000	<100	<100
Other suspended and bed sediment samples									
295808090001601	CHL	Suspended sediment	10/04/2005	2	<50	E7,000	<1,000	<100	<100
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	<50	<50	<1,000	<100	<100
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	<50	E35	<1,000	<100	<100
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	<50	<50	<1,000	<100	<100
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	<50	<50	<1,000	<100	<100
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	<50	<50	<1,000	<100	<100
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	<50	E180	<1,000	<100	<100
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	<50	<50	<1,000	<100	<100
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	<50	E51	<1,000	<100	<100
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	<50	E28	<1,000	<100	<100
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	<50	<50	<1,000	<100	<100
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	<50	<50	<1,000	<100	<100
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	<50	<50	<1,000	<100	<100
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	<50	<50	<1,000	<100	<100
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<1,000	<100	<100
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<1,000	<100	<100
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	<50	E51	<1,000	<100	<100
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	<50	<50	<1,000	<100	<100
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	<50	<50	<1,000	<100	<100
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<50	<1,000	<100	<100
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	<50	<50	<1,000	<100	<100
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	<50	<50	<1,000	<100	<100
Mid-lake reference site samples									
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	<50	<50	<1,000	<100	<100
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	<50	<50	<1,000	<100	<100
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	<50	<50	<1,000	<100	<100

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Octylphenol, diethoxy (OPEO2)	Bisphenol A	Nonylphenol, diethoxy (total, NPEO2)	Tris(dichloro-isopropyl) phosphate	Tris-(2-butoxyethyl) phosphate
			Mid-lake reference site samples—Continued						
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<50	<50	<1,000	<100	<100
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<50	<50	<1,000	<100	<100
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	<50	E4.1	<1,000	<100	<100
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<50	<50	<1,000	<100	<100
Quality-assurance samples									
	Blank	nr	- -	1	<50	<50	<1,000	<100	<100
	Spike, in percent recovered	nr	- -	1	78	85	70	60	135
	Blank	Sediment	- -	2	<50	<50	<1,000	<100	<100
	Spike, in percent recovered	Sediment	- -	2	E85	30	E77	32	80
	Blank	Water	- -	2	<50	<50	<1,000	<100	<100
	Spike, in percent recovered	Water	- -	2	E60	30	E69	38	51
	Blank	Water	- -	3	<50	<50	<1,000	<100	<100
	Spike, in percent recovered	Water	- -	3	90	55	48	28	75
	Blank	Sediment	- -	5	<50	<50	<1,000	<100	<100
	Spike, in percent recovered	Sediment	- -	5	E65	37	E93	31	75
	Blank	Water	- -	5	<50	<50	<1,000	<100	<100
	Spike, in percent recovered	Water	- -	5	E60	34	E86	31	80
	Blank	Sediment	- -	6	<50	<50	<1,000	<100	<100
	Spike, in percent recovered	Sediment	- -	6	103	13	100	34	84
	Blank	Water	- -	6	<50	<50	<1,000	<100	<100
	Spike, in percent recovered	Water	- -	6	109	20	107	41	104

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Triphenyl phosphate	Diethyl-hexyl phthalate	Tetrabromo-diphenyl ether	Benzo[*a*]-pyrene	3-beta-Copro-stanol	Choles-terol
			Zone E—17th Street Canal							
300113090064901	NO1	Street mud	9/21/2005	1	<50	650	<50	530	630	1,800
300056090070301	FDL	Street mud	10/03/2005	2	<50	830	<50	3,900	540	E2,300
300125090071701	E1	Suspended sediment	10/03/2005	2	<50	nr	<50	940	8,800	E74,000
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	<50	3,500	<50	8,600	<500	700
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	E10	3,400	<50	2,000	2,600	4,000
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	<50	870	<50	1,000	1,600	E4,800
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	<50	17,000	<50	740	750	4,000
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	<50	860	<50	610	2,000	E7,300
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	<50	<250	<50	240	<500	E3,900
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	<50	<250	<50	<50	<500	E10,000
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	<50	E230	<50	810	<500	790
			Zone G—London Avenue Canal							
300110090040401	CD	Street mud	10/03/2005	2	<50	5,000	<50	1,500	3,200	E7,900
300152090042701	G1	Suspended sediment	10/03/2005	2	<50	nr	<50	580	13,000	E150,000
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<250	<50	73	E110	E850
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	<50	<250	<50	230	620	E5,600
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	<50	<250	<50	110	<500	E4,200
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	<50	440	<50	640	<500	1,600
			Zone J—Jahncke Canal							
300355089571801	ONE	Street mud	10/04/2005	2	<50	400	<50	200	<500	E2,200
300355089571801	ONE dup.	Street mud	10/04/2005	2	<50	390	<50	160	<500	E3,400
300330089575801	JNK	Suspended sediment	10/04/2005	2	E200	nr	<50	<50	<500	E26,000
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<50	<250	<50	E5.9	<500	<250
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	<50	1,900	<50	100	<500	970
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	<50	390	<50	280	<500	2,100
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	<50	<250	<50	94	530	E6,600
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	<50	<250	<50	78	<500	E5,800

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Triphenyl phosphate	Diethyl-hexyl phthalate	Tetrabromo-diphenyl ether	Benzo[*a*]-pyrene	3-beta-Copro-stanol	Choles-terol
			Zone J—Jahncke Canal—Continued							
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	<50	<250	<50	75	<500	E5,300
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	<50	<250	<50	E24	<500	E2,100
			Other suspended and bed sediment samples							
295808090001601	CHL	Suspended sediment	10/04/2005	2	<50	nr	<50	<50	<500	E320,000
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	<50	<250	<50	84	<500	1,400
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	<50	<250	<50	1,000	<500	800
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	<50	<250	<50	120	<500	1,200
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	<50	<250	<50	130	<500	710
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	<50	<250	<50	180	<500	710
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	<50	14,000	<50	690	<500	3,300
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	<50	E180	<50	140	E380	E4,800
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	<50	E140	<50	150	720	E5,000
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	<50	E110	<50	130	560	E4,900
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	<50	E140	<50	160	<500	E3,100
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	<50	E195	<50	160	<500	3,100
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	<50	<250	<50	E26	<500	E490
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	<50	<250	<50	E35	<500	750
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	<50	<250	<50	E33	<500	E1,400
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<250	<50	130	<500	E2,000
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	<50	420	<50	420	<500	530
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	<50	800	<50	110	<500	1,000
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	<50	<250	<50	57	<500	960
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	<50	<250	<50	110	<500	E2,300
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	<50	<250	<50	E49	E120	E1,000
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	<50	<250	<50	120	<500	E5,300
			Mid-lake reference site samples							
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	<50	3300	<50	51	610	2,700
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	<50	<250	<50	60	870	3,000
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	<50	<250	<50	62	810	3,500

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Triphenyl phosphate	Diethyl-hexyl phthalate	Tetrabromo-diphenyl ether	Benzo[*a*]-pyrene	3-beta-Copro-stanol	Choles-terol
Mid-lake reference site samples—Continued										
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<50	<250	<50	<50	<500	<250
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<50	<250	<50	<50	<500	<250
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	<50	<250	<50	E3.4	<500	E140
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<50	<250	<50	<50	<500	<250
Quality-assurance samples										
	Blank	nr	- -	1	<50	430	<50	<50	<500	<250
	Spike, in percent recovered	nr	- -	1	55	130	120	105	138	138
	Blank	Sediment	- -	2	<50	38	<50	<50	<500	<250
	Spike, in percent recovered	Sediment	- -	2	54	130	90	90	65	E59
	Blank	Water	- -	2	<50	37	<50	<50	<500	<250
	Spike, in percent recovered	Water	- -	2	42	80	70	70	90	E128
	Blank	Water	- -	3	<50	<250	<50	<50	<500	<250
	Spike, in percent recovered	Water	- -	3	34	135	85	100	105	79
	Blank	Sediment	- -	5	<50	63	<50	<50	<500	<250
	Spike, in percent recovered	Sediment	- -	5	27	95	85	90	61	E85
	Blank	Water	- -	5	<50	74	<50	<50	<500	<250
	Spike, in percent recovered	Water	- -	5	34	135	80	80	63	E81
	Blank	Sediment	- -	6	<50	<250	<50	<50	<500	<250
	Spike, in percent recovered	Sediment	- -	6	46	102	119	103	127	93
	Blank	Water	- -	6	<50	91	<50	<50	<500	<250
	Spike, in percent recovered	Water	- -	6	54	122	115	99	141	95

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	beta-Sitosterol	beta-Stigmastanol	3,4-Dichlorophenyl isocyanate	Surrogates (percent recovery)		
								Decafluorobiphenyl	Fluoranthene-d10	Bisphenol A-d3
Zone E—17th Street Canal										
300113090064901	NO1	Street mud	9/21/2005	1	2,900	1,700	na	26.8	60.8	54.6
300056090070301	FDL	Street mud	10/03/2005	2	E8,100	E3,500	na	38.0	94.4	74.8
300125090071701	E1	Suspended sediment	10/03/2005	2	E40,000	<500	na	41.5	82.8	63.0
300125090074400	MET	Bed sediment (dredge)	9/29/2005	6	2,700	940	<100	37.6	100	125
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	1	5,500	1,700	na	26.3	42.1	43.5
300136090072001	E2 0–1	Bed sediment (box core)	10/09/2005	5	E5,900	E2,400	na	30.9	89.6	50.8
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	1	4,200	2,100	na	19.0	64.1	61.5
300144090072001	E3 0–2	Bed sediment (box core)	10/09/2005	5	E6700	E3,100	na	18.8	84.0	45.6
300202090071401	E4 0–2	Bed sediment (box core)	10/09/2005	5	E6,000	E3,300	na	22.7	77.5	38.4
300143090081401	E5 0–2	Bed sediment (box core)	10/09/2005	5	E5,700	E5,100	na	25.9	80.7	44.8
301414090083900	BON	Bed sediment (dredge)	9/29/2005	6	670	<500	<100	59.3	114	11.4
Zone G—London Avenue Canal										
300110090040401	CD	Street mud	10/03/2005	2	E9,900	E4,400	na	39.7	88.7	73.2
300152090042701	G1	Suspended sediment	10/03/2005	2	E38,000	<500	na	35.6	93.9	59.8
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	5	E1,000	E420	na	15.8	63.2	19.7
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	5	E5,300	E2,900	na	27.6	80.4	29.2
300243090043501	G4 0–2	Bed sediment (box core)	10/10/2005	5	E3,600	E2,200	na	26.7	82.0	33.2
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	6	4,000	<500	<100	61.9	107	13.5
Zone J—Jahncke Canal										
300355089571801	ONE	Street mud	10/04/2005	2	E4,600	E1,300	na	29.1	92.8	42.4
300355089571801	ONE dup.	Street mud	10/04/2005	2	E6,800	E1,700	na	47.1	82.7	67.7
300330089575801	JNK	Suspended sediment	10/04/2005	2	E29,000	<500	na	39.4	86.0	46.7
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	5	<500	<500	na	15.9	78.8	10.6
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	6	1,400	<500	<100	46.6	115	18.8
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	6	2,000	860	<100	56.3	70.8	24.1
300344089581701	J3 0–1	Bed sediment (box core)	10/10/2005	5	E5,600	E2,700	na	16.1	77.5	31.0
300342089584101	J7 0–1	Bed sediment (box core)	10/10/2005	5	E4,400	E2,600	na	23.0	80.6	33.9

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	beta-Sitos-terol	beta-Stig-masta-nol	3,4-Dichloro-phenyl isocyanate	Surrogates (percent recovery)		
								Decafluoro-biphenyl	Fluoran-thene-d10	Bisphenol A-d3
Zone J—Jahncke Canal—Continued										
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	5	E4,000	E2,400	na	26.1	88.1	20.9
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	5	E1,400	E830	na	22.3	77.8	6.4
Other suspended and bed sediment samples										
295808090001601	CHL	Suspended sediment	10/04/2005	2	E260,000	<500	na	43.9	93.3	30.2
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	6	2,400	1,500	<100	52.7	117	13.4
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	6	880	<500	<100	52.2	128	46.2
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	6	3,600	2,600	<100	12.2	101	23.7
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	6	1,600	960	<100	54.9	108	21.7
300054090014600	NAV dup.	Bed sediment (dredge)	10/05/2005	6	1,800	1,000	<100	52.1	109	23.6
300224090021901	H2 1–2	Bed sediment (box core)	9/21/2005	1	3,600	<500	na	31.2	62.4	50.6
300224090021901	H2 0–1	Bed sediment (box core)	10/03/2005	2	E3,500	E2,800	na	36.3	86.2	31.4
300224090021901	H2 1–2	Bed sediment (box core)	10/03/2005	2	E3,900	E2,400	na	52.4	76.7	39.5
300224090021901	H2 2–3	Bed sediment (box core)	10/03/2005	2	E3,600	E2,600	na	36.2	89.4	40.0
300224090021901	H2 7–9	Bed sediment (box core)	10/03/2005	2	E3,200	E2,500	na	41.1	81.4	73.0
300224090021901	H2 7–9 dup.	Bed sediment (box core)	10/03/2005	3	3,000	2,000	na	38.4	68.3	29.9
300123090104301	D1 0–0.5	Bed sediment (box core)	10/09/2005	5	E1,000	E780	na	22.3	74.4	12.2
300123090104301	D1 0–0.5 dup.	Bed sediment (box core)	10/09/2005	3	750	600	na	32.9	57.0	20.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	5	E1,400	<500	na	20.7	71.3	26.1
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	5	E3,800	E2,300	na	32.9	68.5	30.3
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	6	1,400	<500	<100	49.1	115	33.2
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	6	1,300	<500	<100	44.9	116	24.9
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	6	700	<500	<100	87.9	117	18.0
300236090144101	B1 0–2	Bed sediment (box core)	10/09/2005	5	E4,800	E3,400	na	26.2	85.0	42.4
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	5	E1,400	E1,100	na	18.0	70.7	24.4
300445089565501	K1 0–1	Bed sediment (box core)	10/10/2005	5	E4,700	E2,600	na	25.6	84.8	13.0
Mid-lake reference site samples										
301151090075700	MID	Bed sediment (dredge)	9/28/2005	6	1,900	1,200	<100	45.3	122	21.6
301151090075700	MID	Bed sediment (dredge)	10/04/2005	6	2,100	1,400	<100	62.0	119	30.1
301151090075700	MID	Bed sediment (dredge)	10/20/2005	6	2,900	2,500	<100	65.9	121	27.1

Table 6. Urban waste indicator compound concentrations in sediment samples from Lake Pontchartrain and New Orleans, Louisiana, following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	beta-Sitosterol	beta-Stigmastanol	3,4-Dichlorophenyl isocyanate	Surrogates (percent recovery)		
								Decafluorobiphenyl	Fluoranthene-d10	Bisphenol A-d3
			Mid-lake reference site samples—Continued							
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	6	<500	<500	<100	11.1	121	14.4
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	6	<500	<500	<100	23.4	126	15.1
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	6	E80	<500	<100	35.6	126	13.4
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	6	<500	<500	<100	17.0	118	16.2
Quality-assurance samples										
	Blank	nr	- -	1	<500	<500	na	29.3	62.4	36.9
	Spike, in percent recovered	nr	- -	1	125	125	na	45.5	61.8	55.2
	Blank	Sediment	- -	2	<500	<500	na	42.4	77.9	30.2
	Spike, in percent recovered	Sediment	- -	2	E53	E41	na	32.6	75.8	18.0
	Blank	Water	- -	2	<500	<500	na	32.9	84.2	18.0
	Spike, in percent recovered	Water	- -	2	E101	E95	na	46.0	61.1	67.2
	Blank	Water	- -	3	<500	<500	na	44.9	73.8	21.3
	Spike, in percent recovered	Water	- -	3	53	47	na	42.2	77.9	24.3
	Blank	Sediment	- -	5	<500	<500	na	34.9	80.1	20.0
	Spike, in percent recovered	Sediment	- -	5	E63	E80	na	32.5	75.1	21.4
	Blank	Water	- -	5	<500	<500	na	31.8	70.1	19.2
	Spike, in percent recovered	Water	- -	5	E77	E78	na	39.2	75.7	19.6
	Blank	Sediment	- -	6	<500	<500	<100	64.1	134	18.9
	Spike, in percent recovered	Sediment	- -	6	127	128	12	66.1	127	13.4
	Blank	Water	- -	6	<500	<500	<100	22.9	80.7	16.0
	Spike, in percent recovered	Water	- -	6	125	132	54	102	116	13.2

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005.

[All concentrations in micrograms per kilogram except where indicated. ID, identifier; cm, centimeters; E, estimated value; <, nondetection at indicated value; dup., duplicate; - -, not applicable]

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	1-Naphthol	2,6-Diethyl-aniline	2-Chloro-2,6-diethyl-acetanilide	2-Ethyl-6-methyl-aniline	3,4-Di-chloro-aniline
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	E2.9	<30	<1.0	<30	<75
300056090070301	FDL	Street mud	10/03/2005	200529105	<10	<30	<17	<30	<75
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<10	<30	<49.3	<30	E41
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	E10	<30	<1.0	<30	<75
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	E11	<30	<1.0	<30	<75
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<10	<30	<1.0	<30	<75
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<10	<30	<1.0	<30	<75
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<10	<30	<8.1	<30	<75
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<10	<30	<22	<30	<75
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<30	<1.0	<30	E.93
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<10	<30	<1.0	<30	<75
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<10	<30	<1.0	<30	<75
				Zone J— Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<10	<30	<1.0	<30	<75
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<30	<1.0	<30	<75
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<10	<30	<1.0	<30	<75
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<10	<30	<1.0	<30	<75
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<10	<30	<1.0	<30	<75
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<10	<30	<1.0	<30	<75
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<30	<1.0	<30	<75
				Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<10	<30	<1.0	<30	<75
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<10	<30	<1.0	<30	<75
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<10	<30	<1.0	<30	<75
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<10	<30	<1.0	<30	<75
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<10	<30	<1.0	<30	<75
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<10	<30	<1.9	<30	E2.8

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	1-Naphthol	2,6-Diethyl-aniline	2-Chloro-2,6-diethyl-acetanilide	2-Ethyl-6-methyl-aniline	3,4-Di-chloro-aniline
Other bed sediment samples—Continued									
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<10	<30	<1.0	<30	<75
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<10	<30	<1.8	<30	E6.3
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<10	<30	<1.0	<30	E1.3
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<10	<30	<1.4	<30	E8.2
Mid-lake reference site samples									
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<10	<30	<1.0	<30	<75
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<10	<30	<1.0	<30	<75
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<10	<30	<1.0	<30	<75
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<10	<30	<1.0	<30	<75
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<10	<30	<1.0	<30	<75
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<10	<30	<1.1	<30	<75
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<10	<30	<1.0	<30	<75
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<10	<30	<1.0	<30	<75
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E18.6 (0–150)	E49.3 (0–150)	82.8 (60–140)	E52.8 (0–150)	E47.4 (0–150)
	Blank		- -	200529105	<10	<30	<1.0	<30	<75
	Spike, in percent recovered (acceptable range)		- -	200529105	15.8 (0–150)	43.8 (0–150)	88.1 (60–140)	50.4 (0–150)	46.7 (0–150)
	Blank		- -	200529804	<10	<30	<1.0	<30	<75
	Spike, in percent recovered (acceptable range)		- -	200529804	12.4 (0–150)	39.8 (0–150)	80.3 (60–140)	45.4 (0–150)	37.9 (0–150)
	Blank		- -	200531803	<10	<30	<1.0	<30	E.13
	Spike, in percent recovered (acceptable range)		- -	200531803	13.5 (0–150)	60.0 (0–150)	91.8 (60–140)	58.8 (0–150)	50.8 (0–150)
	Blank		- -	200533304	<10	<30	<1.0	<30	E.11
	Spike, in percent recovered (acceptable range)		- -	200533304	10.7 (0–150)	42.0 (0–150)	83.4 (60–140)	40.1 (0–150)	24.0 (0–150)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	4-Chloro-2-methyl-phenol	Acetochlor	Alachlor	Atrazine	Azinphos-methyl
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<10	<1.0	<1.0	<1.0	<5.0
300056090070301	FDL	Street mud	10/03/2005	200529105	<10	<1.0	<1.0	<1.0	<5.0
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<10	<1.0	<1.0	<1.0	<5.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<10	<1.0	<22	<1.0	<5.0
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<10	<1.0	<23	<1.0	<5.0
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<10	<1.0	<1.0	<1.0	<5.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<10	<1.0	<1.0	<1.0	<5.0
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<10	<9.2	<1.0	<8.7	<5.0
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<10	<9.0	<1.0	<8.9	<5.0
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<1.0	<1.0	<1.0	<5.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<10	<1.0	<1.0	<3.5	<5.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<10	<1.0	<1.0	<1.0	<5.0
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<10	<1.0	<1.0	<1.0	<5.0
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<1.0	<1.0	<1.0	<5.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<10	<1.0	<2.6	2.6	<5.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<1.0	<1.0	<1.0	<5.0
				Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<10	<1.0	<1.4	1.3	<5.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<10	<1.0	<1.0	<1.4	<5.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<10	<1.0	<1.0	<1.0	<5.0

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	4-Chloro-2-methyl-phenol	Acetochlor	Alachlor	Atrazine	Azinphos-methyl
			Other bed sediment samples—Continued						
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<10	<1.0	<1.0	E.24	<5.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<10	<1.0	<1.0	<1.0	<5.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<10	<1.0	<1.0	<1.0	<5.0
			Mid-lake reference site samples						
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<10	<1.0	<1.0	<1.0	<5.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<10	<1.0	<1.4	1.6	<5.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<10	<1.0	<1.0	<1.0	<5.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<10	<1.0	<1.0	<1.0	<5.0
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<10	<1.0	<1.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E61.9 (0–150)	80.0 (50–140)	76.3 (50–140)	76.8 (55–140)	E72.0 (0–250)
	Blank		- -	200529105	<10	<1.0	<1.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200529105	38.1 (0–150)	87.3 (50–140)	84.3 (50–140)	84.2 (55–140)	83.9 (0–250)
	Blank		- -	200529804	<10	<1.0	<1.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200529804	28.0 (0–150)	80.6 (50–140)	77.8 (50–140)	81.0 (55–140)	67.5 (0–250)
	Blank		- -	200531803	<10	<1.0	<1.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200531803	53.3 (0–150)	90.8 (50–140)	85.1 (50–140)	87.2 (55–140)	80.4 (0–250)
	Blank		- -	200533304	<10	<1.0	<1.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200533304	52.2 (0–150)	81.0 (50–140)	77.1 (50–140)	78.8 (55–140)	95.8 (0–250)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Azinphos-methyl-oxon	Benfluralin	Carbaryl	Chlorpyrifos	Chlorpyrifos oxygen analog
			Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	200527104	<30	<1.0	E2.8	6.0	<30
300056090070301	FDL	Street mud	10/03/2005	200529105	<30	<1.0	<2.0	4.9	<30
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<30	<1.0	<2.0	<1.0	<30
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<30	<1.0	<2.0	31	<30
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<30	<1.0	<2.0	32	<30
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<30	<1.0	<2.0	5.6	<30
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<30	<1.0	<2.0	E.56	<30
			Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	200529105	<30	<1.0	<2.0	35	<30
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<30	<1.0	<2.0	41	<30
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<30	<1.0	<2.0	E.81	<30
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<30	<1.0	<2.0	2.8	<30
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<30	<1.0	<2.0	E.35	<30
			Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	200529105	<30	<1.0	<2.0	2.9	<30
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<30	<1.0	<2.0	<1.0	<30
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<30	<1.0	<2.0	E.41	<30
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<30	<1.0	E.97	<1.0	<30
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<30	<1.0	<2.0	<1.0	<30
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<30	<1.0	<2.0	<1.0	<30
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<30	<1.0	<2.0	1.4	<30
			Other bed sediment samples						
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<30	<1.0	<2.0	<1.0	<30
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<30	<1.0	<2.0	<1.0	<30
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<30	<1.0	<2.0	<1.0	<30
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<30	<1.0	<2.0	<1.0	<30
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<30	<1.0	<2.0	<1.0	<30
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<30	<1.0	<2.0	2.2	<30

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Azinphos-methyl-oxon	Benfluralin	Carbaryl	Chlorpyrifos	Chlorpyrifos oxygen analog
				Other bed sediment samples—Continued					
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<30	<1.0	<2.0	E.18	<30
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<30	<1.0	<2.0	E.50	<30
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<30	<1.0	<2.0	<1.0	<30
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<30	<1.0	<2.0	<1.0	<30
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<30	<1.0	<2.0	<1.0	<30
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<30	<1.0	<2.0	<1.0	<30
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<30	<1.0	<2.0	<1.0	<30
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<30	<1.0	<2.0	<1.0	<30
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<30	<1.0	<2.0	<1.0	<30
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<30	<1.0	<2.0	E.82	<30
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<30	<1.0	<2.0	<1.0	<30
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<30	<1.0	<2.0	<1.0	<30
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E110.0 (0–150)	52.4 (15–150)	E55.9 (0–350)	72.1 (50–140)	E77.8 (0–150)
	Blank		- -	200529105	<30	<1.0	<2.0	<1.0	<30
	Spike, in percent recovered (acceptable range)		- -	200529105	101.7 (0–150)	73.8 (15–150)	69.6 (0–350)	81.4 (50–140)	89.8 (0–150)
	Blank		- -	200529804	<30	<1.0	<2.0	<1.0	<30
	Spike, in percent recovered (acceptable range)		- -	200529804	85.0 (0–150)	75.7 (15–150)	60.0 (0–350)	74.9 (50–140)	75.3 (0–150)
	Blank		- -	200531803	<30	<1.0	<2.0	<1.0	<30
	Spike, in percent recovered (acceptable range)		- -	200531803	121.9 (0–150)	80.4 (15–150)	85.4 (0–350)	91.0 (50–140)	97.3 (0–150)
	Blank		- -	200533304	<30	<1.0	<2.0	<1.0	<30
	Spike, in percent recovered (acceptable range)		- -	200533304	92.0 (0–150)	59.5 (15–150)	58.9 (0–350)	63.1 (50–140)	72.2 (0–150)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Cyfluthrin	Cypermethrin	Dacthal	2-Chloro-4-isopropyl-amino-6-amino-s-triazine (CIAT)
			Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<20	<20	<1.0	<3.7
300056090070301	FDL	Street mud	10/03/2005	200529105	<20	<20	<1.0	<2.0
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<20	<20	<1.0	<2.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<20	<20	<1.0	<13
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<20	<20	<1.0	<14
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<20	<20	<1.0	<7.1
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<20	<20	<1.0	<2.0
			Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<20	<20	<1.0	<3.8
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<20	<20	<1.0	<4.2
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<20	<20	<1.0	<2.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<20	<20	<1.0	<3.1
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<20	<20	<1.0	<2.0
			Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<20	<20	<1.0	<2.0
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<20	<20	<1.0	<2.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<20	<20	<1.0	<2.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<20	<20	<1.0	<2.0
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<20	<20	<1.0	<2.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<20	<20	<1.0	<2.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<20	<20	<1.0	<2.0
			Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<20	<20	<1.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<20	<20	<1.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<20	<20	<1.0	<2.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<20	<20	<1.0	<2.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<20	<20	<1.0	<2.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<20	<20	<1.0	<3.7

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Cyfluthrin	Cypermethrin	Dacthal	2-Chloro-4-isopropyl-amino-6-amino-s-triazine (CIAT)
			Other bed sediment samples—Continued					
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<20	<20	E.07	<2.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<20	<20	<1.0	<2.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<20	<20	<1.0	<2.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<20	<20	<1.0	<2.0
			Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<20	<20	<1.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<20	<20	<1.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<20	<20	<1.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<20	<20	<1.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<20	<20	<1.0	<2.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<20	<20	<1.0	<2.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<20	<20	<1.0	<2.0
Quality-assurance samples								
	Blank		- -	200527104 & 200527115	<20	<20	<1.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E78.7 (15–160)	E93.6 (15–160)	73.7 (50–140)	E99.3 (50–160)
	Blank		- -	200529105	<20	<20	<1.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200529105	79.5 (15–160)	89.6 (15–160)	84.3 (50–140)	91.5 (50–160)
	Blank		- -	200529804	<20	<20	<1.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200529804	71.2 (15–160)	81.5 (15–160)	79.2 (50–140)	75.6 (50–160)
	Blank		- -	200531803	<20	<20	<1.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200531803	74.3 (15–160)	89.6 (15–160)	93.4 (50–140)	93.1 (50–160)
	Blank		- -	200533304	<20	<20	<1.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200533304	59.2 (15–160)	74.2 (15–160)	78.9 (50–140)	80.7 (50–160)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Diazinon	Diazoxon	Dichlorvos	Dicrotophos	Dieldrin
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<1.0	<5.0	<30	<3.0	8.7
300056090070301	FDL	Street mud	10/03/2005	200529105	<1.0	<5.0	<30	<3.0	54
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<1.0	<5.0	<30	<3.0	<2.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<2.1	<5.0	<30	<3.0	<41
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<2.0	<5.0	<30	<3.0	<24
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<5.3	<5.0	<30	<3.0	<5.7
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<1.0	<5.0	<30	<3.0	E1.6
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<2.0	<5.0	<30	<3.0	41
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<2.0	<5.0	<30	<3.0	45
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<1.0	<5.0	<30	<3.0	<2.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<1.0	<5.0	<30	<3.0	<2.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<1.0	<5.0	<30	<3.0	<2.0
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<2.2	<5.0	<30	<3.0	<2.0
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<1.0	<5.0	<30	<3.0	<2.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<1.0	<5.0	<30	<3.0	<2.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<1.0	<5.0	<30	<3.0	<2.0
				Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<1.0	<5.0	<30	<3.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<1.0	<5.0	<30	<3.0	<2.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<1.0	<5.0	<30	<3.0	3.5

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Diazinon	Diazoxon	Dichlorvos	Dicrotophos	Dieldrin
				Other bed sediment samples—Continued					
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<1.0	<5.0	<30	<3.0	<2.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<1.0	<5.0	<30	<3.0	<2.0
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<1.0	<5.0	<30	<3.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<1.0	<5.0	<30	<3.0	2.6
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<1.0	<5.0	<30	<3.0	<2.0
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<1.0	<5.0	<30	<3.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	67.4 (40–140)	E85.1 (0–150)	E68.4 (0–150)	E106.5 (0–150)	E84.2 (40–165)
	Blank		- -	200529105	<1.0	<5.0	<30	<3.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200529105	82.9 (40–140)	84.8 (0–150)	63.1 (0–150)	100.8 (0–150)	105.7 (40–165)
	Blank		- -	200529804	<1.0	<5.0	<30	<3.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200529804	74.4 (40–140)	74.4 (0–150)	50.0 (0–150)	81.9 (0–150)	73.2 (40–165)
	Blank		- -	200531803	<1.0	<5.0	<30	<3.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200531803	87.7 (40–140)	94.7 (0–150)	62.0 (0–150)	93.2 (0–150)	78.3 (40–165)
	Blank		- -	200533304	<1.0	<5.0	<30	<3.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200533304	79.4 (40–140)	83.1 (0–150)	42.7 (0–150)	87.2 (0–150)	78.9 (40–165)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Dimethoate	Ethion	Ethion monoxon	Fenamiphos	Fenamiphos sulfone
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<2.0	<2.0	<2.0	<30	<10
300056090070301	FDL	Street mud	10/03/2005	200529105	<2.0	<53	<2.0	<30	<10
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<2.0	<2.0	<30	<10
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<2.0	<2.0	<2.0	<30	<10
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<2.0	<2.0	<2.0	<30	<10
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<2.0	<27	<2.0	<30	<10
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<2.0	<2.0	<30	<10
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<2.0	<2.0	<2.0	<30	<10
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<2.0	<2.0	<2.0	<30	<10
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<2.0	<2.0	<30	<10
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<2.0	<5.6	<2.0	<30	<10
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<2.0	<2.0	<2.0	<30	<10
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<2.0	<17	<2.0	<30	<10
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<2.0	<2.0	<30	<10
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<2.0	<2.0	<2.0	<30	<10
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<2.0	<2.0	<2.0	<30	<10
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<2.0	<2.0	<2.0	<30	<10
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<2.0	<2.3	<2.0	<30	<10
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<2.0	<2.0	<30	<10
				Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<2.0	<2.0	<30	<10
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<2.0	<2.0	<2.0	<30	<10
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<2.0	<2.0	<2.0	<30	<10
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<2.0	<2.0	<2.0	<30	<10
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<2.0	<2.0	<2.0	<30	<10
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<2.0	<2.0	<2.0	<30	<10

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Dimethoate	Ethion	Ethion monoxon	Fenamiphos	Fenamiphos sulfone
			Other bed sediment samples—Continued						
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<2.0	<2.0	<2.0	<30	<10
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<2.0	<2.0	<2.0	<30	<10
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<2.0	<2.0	<2.0	<30	<10
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<2.0	<2.9	<2.0	<30	<10
			Mid-lake reference site samples						
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<2.0	<2.0	<2.0	<30	<10
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<2.0	<2.0	<2.0	<30	<10
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<2.0	<2.0	<2.0	<30	<10
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<2.0	<2.0	<2.0	<30	<10
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<2.0	<2.0	<2.0	<30	<10
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<2.0	<2.0	<2.0	<30	<10
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<2.0	<2.0	<2.0	<30	<10
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<2.0	<2.0	<2.0	<30	<10
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E88.3 (50–150)	E88.4 (40–150)	E95.1 (35–180)	0.0 (0–300)	E103.3 (35–215)
	Blank		- -	200529105	<2.0	<2.0	<2.0	<30	<10
	Spike, in percent recovered (acceptable range)		- -	200529105	85.9 (50–150)	99.0 (40–150)	107.6 (35–180)	8.6 (0–300)	108.5 (35–215)
	Blank		- -	200529804	<2.0	<2.0	<2.0	<30	<10
	Spike, in percent recovered (acceptable range)		- -	200529804	81.3 (50–150)	76.8 (40–150)	80.3 (35–180)	16.6 (0–300)	89.0 (35–215)
	Blank		- -	200531803	<2.0	<2.0	<2.0	<30	<10
	Spike, in percent recovered (acceptable range)		- -	200531803	89.0 (50–150)	82.6 (40–150)	87.2 (35–180)	71.4 (0–300)	102.5 (35–215)
	Blank		- -	200533304	<2.0	<2.0	<2.0	<30	<10
	Spike, in percent recovered (acceptable range)		- -	200533304	83.5 (50–150)	78.0 (40–150)	88.2 (35–180)	74.0 (0–300)	72.8 (35–215)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Fenamiphos sulfoxide	Fenamiphos +fenamiphos sulfoxide +fenamiphos sulfone	Fipronil	Fipronil sulfide
			Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<10	<50	E7.2	8.1
300056090070301	FDL	Street mud	10/03/2005	200529105	<10	<50	E9.1	11
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<10	<50	<1.0	<1.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<10	<50	E7.5	19
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<10	<50	E7.9	20
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<10	<50	E4.0	5.2
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<10	<50	<1.0	E.55
			Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<10	<50	E11	17
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<10	<50	E10	18
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<50	<1.0	E.36
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<10	<50	<1.0	E.60
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<10	<50	<1.0	E.18
			Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<10	<50	E1.8	2.3
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<50	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<10	<50	<1.0	E.10
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<10	<50	<1.0	E.07
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<10	<50	<1.0	E.09
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<10	<50	E1.8	1.5
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<50	<1.0	<1.0
			Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<10	<50	<1.0	<1.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<10	<50	<1.0	E.06
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<10	<50	<1.0	<1.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<10	<50	<1.0	<1.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<10	<50	<1.0	<1.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<10	<50	<1.0	1.4

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Fenamiphos sulfoxide	Fenamiphos +fenamiphos sulfoxide +fenamiphos sulfone	Fipronil	Fipronil sulfide
			Other bed sediment samples—Continued					
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<10	<50	<1.0	E.10
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<10	<50	<1.0	E.08
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<10	<50	<1.0	E0.06
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<10	<50	<1.0	<1.0
			Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<10	<50	<1.0	E.05
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<10	<50	<1.0	<1.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<10	<50	<1.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<10	<50	<1.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<10	<50	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<10	<50	E.09	E.82
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<10	<50	<1.0	<1.0
Quality-assurance samples								
	Blank		- -	200527104 & 200527115	<10	<50	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E270.8 (45–350)	374.1 (80–865)	E87.2 (40–200)	154.6 (50–150)
	Blank		- -	200529105	<10	<50	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200529105	226.5 (45–350)	343.5 (80–865)	90.4 (40–200)	106.1 (50–150)
	Blank		- -	200529804	<10	<50	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200529804	216.5 (45–350)	322.1 (80–865)	86.6 (40–200)	92.1 (50–150)
	Blank		- -	200531803	<10	<50	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200531803	108.1 (45–350)	282.0 (80–865)	101.5 (40–200)	106.2 (50–150)
	Blank		- -	200533304	<10	<50	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200533304	103.6 (45–350)	250.4 (80–865)	86.8 (40–200)	88.2 (50–150)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Fipronil sulfone	Desulfinyl-fipronil	Desulfinyl-fipronil amide	Fonofos	Hexazinone
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	4.6	2.1	<1.0	<1.0	<1.0
300056090070301	FDL	Street mud	10/03/2005	200529105	8.3	1.3	<1.0	<1.0	<1.0
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	E1.5	E.41	<1.0	<1.0	<1.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	20	4.5	<1.0	<1.0	<1.0
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	22	4.7	E3.1	<1.0	<1.0
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	15	3.2	<1.0	<1.0	<1.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	1.0	E.29	<1.0	<1.0	<1.0
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	7.3	2.4	<1.0	<35	<1.0
300110090040401	CD dup.	Street mud	10/03/2005	200529105	7.3	2.5	<1.0	<32	<1.0
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<1.0	<1.0	<1.0	<1.0	<1.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	8.2	2.8	<1.0	<1.0	<1.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	E.84	E.29	<1.0	<1.0	<1.0
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	5.1	2.6	<1.0	<1.0	<1.0
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<1.0	<1.0	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	E.67	E.21	<1.0	<1.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<1.0	E.28	<1.0	<1.0	<1.0
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<1.0	E.26	<1.0	<1.0	<1.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	3.7	1.7	<1.0	<1.0	<1.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<1.0	<1.0	<1.0	<1.0	<1.0
				Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<1.0	E.69	<1.0	<1.0	<1.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<1.0	E.20	<1.0	<1.0	<1.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<1.0	<1.0	<1.0	<1.0	<1.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<1.0	<1.0	<1.0	<1.0	<1.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<1.0	<1.0	<1.0	<1.0	<1.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<1.0	2.2	<1.0	<1.0	<1.0

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Fipronil sulfone	Desulfinyl-fipronil	Desulfinyl-fipronil amide	Fonofos	Hexazinone
				Other bed sediment samples—Continued					
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	E.50	E.18	<1.0	<1.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<1.0	E.29	<1.0	<1.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	E0.71	E0.25	<1.0	<1.0	<1.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<1.0	<1.0	<1.0	<1.0	<1.0
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<1.0	<1.0	<1.0	<1.0	<1.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<1.0	<1.0	<1.0	<1.0	<1.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<1.0	<1.0	<1.0	<1.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<1.0	<1.0	<1.0	<1.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<1.0	<1.0	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	1.4	E.43	<1.0	<1.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<1.0	<1.0	<1.0	<1.0	<1.0
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<1.0	<1.0	<1.0	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	148.3 (45–160)	133.4 (50–155)	E190.0 (55–250)	56.1 (25–140)	85.9 (45–145)
	Blank		- -	200529105	<1.0	<1.0	<1.0	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200529105	102.5 (45–160)	82.0 (50–155)	108.3 (55–250)	63.2 (25–140)	98.7 (45–145)
	Blank		- -	200529804	<1.0	<1.0	<1.0	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200529804	88.3 (45–160)	81.5 (50–155)	77.9 (55–250)	63.9 (25–140)	80.2 (45–145)
	Blank		- -	200531803	<1.0	<1.0	<1.0	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200531803	86.7 (45–160)	87.5 (50–155)	79.5 (55–250)	83.6 (25–140)	95.6 (45–145)
	Blank		- -	200533304	<1.0	<1.0	<1.0	<1.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200533304	82.4 (45–160)	78.6 (50–155)	86.0 (55–250)	72.4 (25–140)	100.6 (45–145)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Iprodione	Isofenphos	Malaoxon	Malathion	Metalaxyl
			Zone E—17th Street Canal						
300113090064901	NO1	Street mud	9/21/2005	200527104	<10	<2.0	<5.0	<2.0	<1.0
300056090070301	FDL	Street mud	10/03/2005	200529105	<10	<2.0	<5.0	<2.0	<1.0
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<10	<2.0	<5.0	<2.0	<1.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<10	<2.0	<5.0	<2.0	<1.0
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<10	<2.0	<5.0	<34	<1.0
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<21	<2.0	<5.0	<2.0	<1.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<10	<2.0	<5.0	<2.0	<1.0
			Zone G—London Avenue Canal						
300110090040401	CD	Street mud	10/03/2005	200529105	<10	<25	<5.0	<13	<1.0
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<10	<23	<5.0	<20	<1.0
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<2.0	<5.0	<2.0	<1.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<10	<2.0	<5.0	<2.0	<1.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<10	<2.0	<5.0	<2.0	<1.0
			Zone J—Jahncke Canal						
300355089571801	ONE	Street mud	10/04/2005	200529105	<10	<2.0	<5.0	<2.0	<1.0
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<2.0	<5.0	<2.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<10	<2.0	<5.0	<2.0	<1.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<10	<2.0	<5.0	<2.0	<1.0
			Other bed sediment samples						
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<10	<2.0	<5.0	<2.0	<1.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<10	<2.0	<5.0	<2.0	<1.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<13	<2.0	<5.0	<2.0	<1.0

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Iprodione	Isofenphos	Malaoxon	Malathion	Metalaxyl
			Other bed sediment samples—Continued						
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<10	<2.0	<5.0	<2.0	<1.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<11	<2.0	<5.0	<2.0	<1.0
			Mid-lake reference site samples						
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<10	<2.0	<5.0	<2.0	<1.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<10	<2.0	<5.0	<2.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<10	<2.0	<5.0	<2.0	<1.0
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<10	<2.0	<5.0	<2.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E14.9 (0–275)	E77.9 (35–140)	E53.0 (0–150)	E62.4 (30–150)	81.1 (40–150)
	Blank		- -	200529105	<10	<2.0	<5.0	<2.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200529105	25.4 (0–275)	78.9 (35–140)	69.2 (0–150)	75.8 (30–150)	88.6 (40–150)
	Blank		- -	200529804	<10	<2.0	<5.0	<2.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200529804	37.1 (0–275)	80.9 (35–140)	54.4 (0–150)	71.1 (30–150)	90.8 (40–150)
	Blank		- -	200531803	<10	<2.0	<5.0	<2.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200531803	15.0 (0–275)	98.4 (35–140)	72.0 (0–150)	81.9 (30–150)	93.3 (40–150)
	Blank		- -	200533304	<10	<2.0	<5.0	<2.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200533304	9.2 (0–275)	88.1 (35–140)	55.4 (0–150)	71.0 (30–150)	80.5 (40–150)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Methidathion	Metolachlor	Metribuzin	Myclobutanil	Paraoxon-methyl
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<2.0	<2.6	<4.0	<1.0	<5.0
300056090070301	FDL	Street mud	10/03/2005	200529105	<2.0	<1.0	<4.0	<1.0	<5.0
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<1.0	<4.0	<1.0	<5.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<2.0	<1.0	<4.0	<1.0	<5.0
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<2.0	<12	<4.0	<1.0	<5.0
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<2.0	<1.0	<4.0	<1.0	<5.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<1.0	<4.0	<1.0	<5.0
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<2.0	<5.0	<4.0	<1.0	<5.0
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<32	<5.0	<4.0	<1.0	<5.0
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<1.0	<4.0	<1.0	<5.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<2.0	<1.0	<4.0	<1.0	<5.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<2.0	<1.0	<4.0	<1.0	<5.0
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<2.0	<1.0	<4.0	<1.0	<5.0
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<1.0	<4.0	<1.0	<5.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<2.0	<2.0	<4.0	<1.0	<5.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<1.0	<4.0	<1.0	<5.0
				Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<1.0	<4.0	<1.0	<5.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<2.0	<1.0	<4.0	<1.0	<5.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<2.0	<4.1	<4.0	<1.0	<5.0

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Methidathion	Metolachlor	Metribuzin	Myclobutanil	Paraoxon-methyl
				Other bed sediment samples—Continued					
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<2.0	<1.0	<4.0	<1.0	<5.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<2.0	<1.8	<4.0	<1.0	<5.0
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<2.0	<1.0	<4.0	<1.0	<5.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<2.0	<1.0	<4.0	<1.0	<5.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<2.0	<1.0	<4.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E90.5 (40–175)	84.4 (60–140)	E76.3 (5–145)	E97.0 (50–225)	E80.8 (0–250)
	Blank		- -	200529105	<2.0	<1.0	<4.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200529105	102.4 (40–175)	89.9 (60–140)	81.0 (5–145)	102.0 (50–225)	78.3 (0–250)
	Blank		- -	200529804	<2.0	<1.0	<4.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200529804	81.5 (40–175)	87.0 (60–140)	74.3 (5–145)	83.7 (50–225)	68.8 (0–250)
	Blank		- -	200531803	<2.0	<1.0	<4.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200531803	81.9 (40–175)	97.5 (60–140)	87.0 (5–145)	82.3 (50–225)	98.5 (0–250)
	Blank		- -	200533304	<2.0	<1.0	<4.0	<1.0	<5.0
	Spike, in percent recovered (acceptable range)		- -	200533304	78.4 (40–175)	86.9 (60–140)	71.0 (5–145)	86.6 (50–225)	69.3 (0–250)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Parathion-methyl	Pendi-methalin	Phorate	Phorate oxon	Prometon
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<2.0	<1.0	<5.0	<7.0	<2.0
300056090070301	FDL	Street mud	10/03/2005	200529105	<2.0	<1.0	<5.0	<7.0	<2.0
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<1.0	<5.0	<7.0	<2.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<2.0	<67	<5.0	<7.0	<2.0
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<2.0	<63	<5.0	<7.0	<2.0
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<2.0	<7.1	<5.0	<7.0	<2.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<1.0	<5.0	<7.0	<2.0
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<2.0	<25	<5.0	<7.0	<2.0
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<2.0	<28	<5.0	<7.0	<2.0
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<1.0	<5.0	<7.0	<2.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<2.0	<1.0	<5.0	<7.0	<2.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<2.0	<1.0	<5.0	<7.0	<2.0
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<2.0	<11	<5.0	<7.0	<2.0
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<1.0	<5.0	<7.0	<2.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<2.0	<1.0	<5.0	<7.0	<2.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<1.0	<5.0	<7.0	<2.0
				Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<1.0	<5.0	<7.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<2.0	<1.0	<5.0	<7.0	<2.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<2.0	<1.0	<5.0	<7.0	<2.0

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Parathion-methyl	Pendi-methalin	Phorate	Phorate oxon	Prometon
			Other bed sediment samples—Continued						
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<2.0	<1.0	<5.0	<7.0	<2.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<2.0	<1.0	<5.0	<7.0	<2.0
			Mid-lake reference site samples						
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<2.0	<1.0	<5.0	<7.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<2.0	<1.0	<5.0	<7.0	<2.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<2.0	<1.0	<5.0	<7.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E73.1 (40–200)	65.8 (30–160)	E17.9 (0–150)	.0 (0–175)	E74.9 (15–200)
	Blank		- -	200529105	<2.0	<1.0	<5.0	<7.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200529105	85.2 (40–200)	88.4 (30–160)	.0 (0–150)	.0 (0–175)	71.5 (15–200)
	Blank		- -	200529804	<2.0	<1.0	<5.0	<7.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200529804	74.8 (40–200)	82.4 (30–160)	.0 (0–150)	.0 (0–175)	68.1 (15–200)
	Blank		- -	200531803	<2.0	<1.0	<5.0	<7.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200531803	88.5 (40–200)	98.9 (30–160)	73.9 (0–150)	78.3 (0–175)	75.4 (15–200)
	Blank		- -	200533304	<2.0	<1.0	<5.0	<7.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200533304	66.7 (40–200)	63.3 (30–160)	56.6 (0–150)	69.7 (0–175)	70.4 (15–200)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Prometryn	*cis*-Permethrin	*trans*-Permethrin	Propyzamide	Simazine
				Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<2.0	<5.0	<5.0	<2.0	<3.0
300056090070301	FDL	Street mud	10/03/2005	200529105	<2.0	<22	<34	<2.0	<4.3
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<5.0	<5.0	<2.0	<2.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<2.0	<59	<78	<2.0	<14
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<2.0	<67	<83	<2.0	<17
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<2.0	<21	<25	<2.0	<5.5
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<5.0	<5.0	<2.0	<2.0
				Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<13	<47	<120	<2.0	<20
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<18	<48	<113	<2.0	<18
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<5.0	<5.0	<2.0	<2.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<2.0	<5.0	<5.0	<2.0	<3.1
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<2.0	<5.0	<5.0	<2.0	<2.0
				Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<2.0	<5.0	<5.0	<2.0	<2.0
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<5.0	<5.0	<2.0	<2.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<2.0	<5.0	<5.0	<2.0	<2.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<2.0	<5.0	<5.0	<2.0	<2.0
				Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<2.0	<5.0	<5.0	<2.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<2.0	<5.0	<5.0	<2.0	<2.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<2.0	<5.0	<5.0	<2.0	<2.0

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Prometryn	*cis*-Permethrin	*trans*-Permethrin	Propyzamide	Simazine
				Other bed sediment samples—Continued					
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<2.0	<5.0	<5.0	<2.0	<3.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<2.0	<5.0	<5.0	<2.0	<2.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<2.0	<5.0	<5.0	<2.0	<2.0
				Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<2.0	<5.0	<5.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<2.0	<5.0	<7.9	<2.0	<2.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
Quality-assurance samples									
	Blank		- -	200527104 & 200527115	<2.0	<5.0	<5.0	<2.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E73.8 (30–140)	E105.3 (40–160)	E80.9 (40–160)	E69.0 (40–150)	E85.9 (40–160)
	Blank		- -	200529105	<2.0	<5.0	<5.0	<2.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200529105	73.3 (30–140)	98.5 (40–160)	90.1 (40–160)	82.7 (40–150)	90.3 (40–160)
	Blank		- -	200529804	<2.0	<5.0	<5.0	<2.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200529804	71.9 (30–140)	87.3 (40–160)	84.9 (40–160)	80.3 (40–150)	87.4 (40–160)
	Blank		- -	200531803	<2.0	<5.0	<5.0	<2.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200531803	85.1 (30–140)	89.9 (40–160)	90.4 (40–160)	94.1 (40–150)	95.9 (40–160)
	Blank		- -	200533304	<2.0	<5.0	<5.0	<2.0	<2.0
	Spike, in percent recovered (acceptable range)		- -	200533304	78.6 (30–140)	88.4 (40–160)	78.2 (40–160)	73.0 (40–150)	82.5 (40–160)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Tebuthiuron	Terbufos	Terbufos-O-analogue sulfone	Terbuthylazine
			Zone E—17th Street Canal					
300113090064901	NO1	Street mud	9/21/2005	200527104	<3.0	<3.0	<5.0	<1.0
300056090070301	FDL	Street mud	10/03/2005	200529105	<3.0	<3.0	<5.0	<1.0
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<3.0	<3.0	<5.0	<1.0
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	<3.0	<3.0	<5.0	<1.0
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	<3.0	<3.0	<5.0	<1.0
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<3.0	<3.0	<5.0	<1.0
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<3.0	<3.0	<5.0	<1.0
			Zone G—London Avenue Canal					
300110090040401	CD	Street mud	10/03/2005	200529105	<3.0	<3.0	<5.0	<17
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<3.0	<3.0	<5.0	<17
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<3.0	<3.0	<5.0	<1.0
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<3.0	<3.0	<5.0	<1.0
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<3.0	<3.0	<5.0	<1.0
			Zone J—Jahncke Canal					
300355089571801	ONE	Street mud	10/04/2005	200529105	<3.0	<3.0	<31	<1.0
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<3.0	<3.0	<5.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<3.0	<3.0	<5.0	<1.0
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<3.0	<3.0	<5.0	<1.0
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<3.0	<3.0	<5.0	<1.0
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<3.0	<3.0	<5.0	<1.0
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<3.0	<3.0	<5.0	<1.0
			Other bed sediment samples					
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<3.0	<3.0	<5.0	<1.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<3.0	<3.0	<5.0	<1.0
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<3.0	<3.0	<5.0	<1.0
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<3.0	<3.0	<5.0	<1.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<3.0	<3.0	<5.0	<1.0
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<3.0	<3.0	<5.0	<1.0

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Tebuthiuron	Terbufos	Terbufos-O-analogue sulfone	Terbuthylazine
			Other bed sediment samples—Continued					
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	<3.0	<3.0	<5.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<3.0	<3.0	<5.0	<1.0
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<3.0	<3.0	<5.0	<1.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<3.0	<3.0	<5.0	<1.0
			Mid-lake reference site samples					
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<3.0	<3.0	<5.0	<2.0
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<3.0	<3.0	<5.0	<1.0
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<3.0	<3.0	<5.0	<1.2
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<3.0	<3.0	<5.0	<1.0
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<3.0	<3.0	<5.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<3.0	<3.0	<5.0	<1.0
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<3.0	<3.0	<5.0	<1.0
Quality-assurance samples								
	Blank		- -	200527104 & 200527115	<3.0	<3.0	<5.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E78.1 (30–260)	.0 (0–150)	E94.3 (0–150)	76.5 (55–145)
	Blank		- -	200529105	<3.0	<3.0	<5.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200529105	87.8 (30–260)	.0 (0–150)	89.6 (0–150)	82.6 (55–145)
	Blank		- -	200529804	<3.0	<3.0	<5.0	<1.0
	Spike, in percent recovered (acceptable range)		- -	200529804	33.2 (30–260)	.0 (0–150)	70.4 (0–150)	80.8 (55–145)
	Blank		- -	200531803	<3.0	<3.0	<5.0	E.244
	Spike, in percent recovered (acceptable range)		- -	200531803	86.8 (30–260)	73.9 (0–150)	118.8 (0–150)	102.0 (55–145)
	Blank		- -	200533304	<3.0	<3.0	<5.0	E.192
	Spike, in percent recovered (acceptable range)		- -	200533304	36.1 (30–260)	65.2 (0–150)	80.8 (0–150)	84.8 (55–145)

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Trifluralin	Sample mass (grams)	Surrogates, percent recovery (acceptable range)	
							alpha-HCH-d6 (28-121)	Diazinon-d10 (37-142)
				Zone E—17th Street Canal				
300113090064901	NO1	Street mud	9/21/2005	200527104	<1.0	13.1	92.5	128
300056090070301	FDL	Street mud	10/03/2005	200529105	<1.0	21.9	95.8	161
300125090074400	MET	Bed sediment (dredge)	9/29/2005	200531803	<1.0	53.2	118	163
300136090072001	E2 0–2	Bed sediment (box core)	9/21/2005	200527115	6.3	13.4	102	154
300136090072001	E2 0–2 dup.	Bed sediment (box core)	9/21/2005	200527115	5.8	12.6	108	166
300144090072001	E3 0–2	Bed sediment (box core)	9/21/2005	200527104	<1.0	8.2	98.0	149
301414090083900	BON	Bed sediment (dredge)	9/29/2005	200531803	<1.0	57.6	95.5	126
				Zone G—London Avenue Canal				
300110090040401	CD	Street mud	10/03/2005	200529105	<1.0	13.6	148	166
300110090040401	CD dup.	Street mud	10/03/2005	200529105	<1.0	13.2	132	163
300159090043001	G2 0–1	Bed sediment (box core)	10/10/2005	200529105	<1.0	31.9	104	143
300205090043401	G3 0–1	Bed sediment (box core)	10/10/2005	200531803	<1.0	5.8	103	136
300142090045800	STJ	Bed sediment (dredge)	9/26/2005	200531803	<1.0	63.2	78.9	68.0
				Zone J—Jahncke Canal				
300355089571801	ONE	Street mud	10/04/2005	200529105	<1.0	13.2	103	161
300337089580701	J2 0–1	Bed sediment (box core)	10/10/2005	200529105	<1.0	27.0	91.4	123
300344089581000	JNK	Bed sediment (dredge)	9/27/2005	200533304	<1.0	62.3	87.7	105
300344089581000	JNK	Bed sediment (dredge)	10/01/2005	200533304	<1.0	55.6	78.0	88.8
300344089581000	JNK dup.	Bed sediment (dredge)	10/01/2005	200533304	<1.0	51.3	66.1	73.4
300418089583801	J4 0–1	Bed sediment (box core)	10/10/2005	200529804	<1.0	10.6	76.4	90.9
300313089591401	J5 0–1	Bed sediment (box core)	10/10/2005	200529105	<1.0	17.6	90.9	133
				Other bed sediment samples				
300018089562300	ITC	Bed sediment (dredge)	9/29/2005	200531803	<1.0	22.9	74.5	76.0
300018089562300	ITC	Bed sediment (dredge)	10/05/2005	200533304	<1.0	67.1	81.2	122
300018089562300	ITC	Bed sediment (dredge)	10/20/2005	200533304	<1.0	22.8	59.8	43.8
300054090014600	NAV	Bed sediment (dredge)	10/05/2005	200533304	<1.0	79.0	34.1	36.0
300125090130801	C2 0–2	Bed sediment (box core)	10/09/2005	200529105	<1.0	19.8	43.8	44.8
300202090125901	C1 0–2	Bed sediment (box core)	10/09/2005	200529105	<1.0	11.2	100	146

Table 7. Current-use pesticide concentrations in sediment samples from Lake Pontchartrain and New Orleans following Hurricanes Katrina and Rita, 2005—Continued.

USGS station ID	Sample ID and interval (cm), where shown	Sample type	Sample date	Set number	Trifluralin	Sample mass (grams)	Surrogates, percent recovery (acceptable range)	
							alpha-HCH-d6 (28-121)	Diazinon-d10 (37-142)
				Other bed sediment samples—Continued				
300214090130300	ELM dup.	Bed sediment (dredge)	9/30/2005	200533304	E.02	89.2	92.2	110
300214090130300	ELM	Bed sediment (dredge)	9/26/2005	200533304	<1.0	44.6	97.9	116
300214090130300	ELM	Bed sediment (dredge)	9/30/2005	200531803	<1.0	67.2	67.8	46.0
300303090152601	A1 0–1	Bed sediment (box core)	10/09/2005	200529105	<1.0	17.5	100	150
				Mid-lake reference site samples				
301151090075700	MID	Bed sediment (dredge)	9/28/2005	200531803	<1.0	21.2	59.5	33.7
301151090075700	MID	Bed sediment (dredge)	10/04/2005	200533304	<1.0	30.3	63.2	52.5
301151090075700	MID	Bed sediment (dredge)	10/20/2005	200533304	<1.0	13.3	85.3	84.9
301001089442600	RGO	Bed sediment (dredge)	9/28/2005	200533304	<1.0	72.2	79.0	91.9
301001089442600	RGO	Bed sediment (dredge)	10/21/2005	200533304	<1.0	63.4	78.4	99.0
300403089481300	MNT	Bed sediment (dredge)	9/28/2005	200531803	<1.0	48.8	122	165
300403089481300	MNT	Bed sediment (dredge)	10/21/2005	200533304	<1.0	59.1	75.1	87.2
Quality-assurance samples								
	Blank		- -	200527104 & 200527115	<1.0	- -	71.9	74.1
	Spike, in percent recovered (acceptable range)		- -	200527104 & 200527115	E42.8 (15–150)	- -	66.8	71.1
	Blank		- -	200529105	<1.0	- -	76.6	83.7
	Spike, in percent recovered (acceptable range)		- -	200529105	77.5 (15–150)	- -	54.3	81.5
	Blank		- -	200529804	<1.0	- -	62.6	72.9
	Spike, in percent recovered (acceptable range)		- -	200529804	51.5 (15–150)	- -	69.2	74.2
	Blank		- -	200531803	<1.0	- -	73.5	84.1
	Spike, in percent recovered (acceptable range)		- -	200531803	70.5 (15–150)	- -	80.2	92.9
	Blank		- -	200533304	<1.0	- -	70.3	87.4
	Spike, in percent recovered (acceptable range)		- -	200533304	50.2 (15–150)	- -	68.4	80.0

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