Data file description

January 6, 2012

These data were extracted from the Passaic River-Newark Bay EQuIS database by CDM for use on the public website OurPassaic.org.

Contained in this file (2009 CPG TISSUE SAMPLING.zip) are the laboratory analytical data associated with fish and invertebrate tissue samples collected at locations in the Lower Passaic River in August, September, and December 2009 and in January and May 2010 from several species, including the following:

Fish:
American Eel
Mummichog
Brown bullhead
Channel catfish
Common carp
Largemouth bass
Northern pike
Smallmouth bass
White catfish
White perch
White sucker

Invertebrates:
Blackworm
Blue Crab
Polychaetes

Samples were collected of numerous tissue types, including: carcasses, fillets (skinless and with skin), whole body, hepatopancreas, muscle, muscle hepatopancreas, egg tissue, and bioaccumulation tissue. The data include laboratory results for normal environmental (N) samples as indicated in the column titled "sample_type." The tissue samples were analyzed by the laboratory for percent moisture, total extractable lipids, dioxins and furans, polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), pesticides, metals, and polycyclic aromatic hydrocarbons (PAHs). All of the results were considered to be reportable and included those associated with initial analysis, dilutions, re-extraction, and re-analysis, as indicated in the column titled "test_type." Dilutions were required by the laboratory for several results, as indicated in the column titled "dilution_factor." The laboratory results included both concentrations detected above their respective laboratory reporting limits and non-detects. All of the data were subjected to data validation; however, varying levels of validation were conducted. Samples were either subjected to reduced or full validation, as indicated in the column titled "validation_level." The data set includes only target results as provided by the laboratory; none of the data provided was based on calculations completed following receipt of the data from the laboratory, as identified in the column titled "result_type_code." Latitude and longitude coordinates are provided for each sample location and the stream mile at which samples were collected are provided for most sample locations.

The data are contained in a Microsoft Access database on the Analytical Results table. There are also a series of reference tables starting with "rt" that describe certain values used in the data set. Users have the ability to create their own queries for reviewing and analyzing these data. Please be aware that there are no relationships between the tables, since all of the data are contained on the Analytical Results table and the "rt" tables are provided simply for data definition.