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0600B0--American Diver Cruise 01 JUL 17-AUG 6 2010  
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\*\*\*\*DATA SOURCE\*\*\*\*

Data were compiled from surveys conducted in the Gulf of Mexico. Data were compiled from NewFields Environmental Forensics Practice, LLC (Alpha) lab electronic data from the following QC Batches: 1007222, 1007223, 1007224, 1007227, 1008040, 1008041, 1008044, 1008045, 1008046, 1008048, 1008051, 1008052, 1008056, 1008062, 1008063, 1008064, and 1008066, 1008050, 1008065.

The data sets were for samples collected from the American Diver Cruise 01, from July 17- Aug 6, 2010.

\*\*\*\*DATA COLLECTION PURPOSE\*\*\*\*

Natural Resource Damage Assessment

\*\*\*\*DATA USE QUALIFICATION\*\*\*\*

Values for concentration and detection limit should be interpreted to 3 significant figures. Values for reporting limits should be interpreted to 1 significant figure.

\*\*\*\*STUDY\*\*\*\*

The data include water chemistry data.

\*\*\*\*STATION\*\*\*\*

StationIDs are based on the Grid locations recorded in the NOAA Field Sampling Information database, plus a sequential number used for each distinct latitude/longitude position reported.

\*\*\*\*SAMPLES AND REPLICATES\*\*\*\*

Filtered samples are coded with an "F" at the end of the sampleID, and a Matrix of "DS." Particulate samples are coded with a "P" at the end of the sampleID, and a Matrix of "PT." Note that the particulate fraction represents the filter that has been analyzed after flushing with a volume of water; thus the concentrations are provided in a liquid basis.

The collection depth of water samples in the fields UDepth and LDepth are reported in meters.

The original SampleIDs reported by the lab from the Chain-of-Custody are stored in the ExSampID field.

Samples were assigned to each unique location and depth, and field duplicates were coded with a "D" in the SampleID and with a SampType of "FDUP." Subsequent field duplicates (splits) then have a sequential numbering "D2, D3, etc.

The default labrep code "1A" was used for all data. Lab duplicates are noted with a "2" as the first character of the labrep. Lab duplicates were identified as those samples with a "D" suffix on the labID.

Several analytes are reported from 2 different analytical methods. The "preferred" result (usually with lower detection limits) is given the default labrep code (e.g., "1A" or "2A"). The results from the non-preferred analytical method have a "X" appended to the labrep code (e.g., "1AX" or "2AX")

The following chemcode/analytes were measured using two methods:

Methods: PIANO Volatile Hydrocarbons by GC/MS | 8260M and Total Saturated Hydrocarbons by GC/FID | 8015M

AHCN\_C09/ Nonane

AHCN\_C10/ Decane

AHCN\_C11/ Undecane

AHCN\_C12/ Dodecane

AHCN\_C13/ Tridecane

The results for PIANO Volatile Hydrocarbons by GC/MS were assigned labrep "1AX"

Methods: PIANO Volatile Hydrocarbons by GC/MS | 8260M and Alkylated Polynuclear Aromatic Hydrocarbons | 8270M

BTHIOPHNE/ Benzo(b)thiophene

METHNAP\_1/ 1-Methylnaphthalene

METHNAP\_2/ 2-Methylnaphthalene

NAPHTHALENE/ Naphthalene

The results for PIANO Volatile Hydrocarbons by GC/MS were assigned labrep "1AX"

Alpha Lab Analytical Methods:

Total Saturated Hydrocarbons by GC/FID | 8015M | SOP. 0-003 Rev. 5 (abbreviated as 8015 M - Tot Sat. HC - GC/FID)

Alkylated Polynuclear Aromatic Hydrocarbons | 8270M | SOP. 0-008 Rev. 6 (abbreviated as 8270 M - Alkylated PAHs)

PIANO Volatile Hydrocarbons by GC/MS | 8260M | SOP. 0-019 Rev. 2 (abbreviated as 8260 M - PIANO VolHC - GC/MS)

\*\*\*\*SUMMED PARAMETERS\*\*\*\*

No sums were calculated.

\*\*\*\*QUALIFIERS\*\*\*\*

Qualifiers recorded in the chemistry files represent the final data qualifiers provided by the data validation. Descriptions of the data qualifiers are included in the data dictionary.

\*\*\*\*OTHER\*\*\*\*

The original analyte in Alpha lab EDDs reported as Benzo(k)fluoranthene was identified by the data validators to be a coelution of Benzo(k)fluoranthene and Benzo(j)fluoranthene. Therefore, the chemical data for the original Benzo(k)fluoranthene results have been assigned a chemical code for Benzo(j+k)fluoranthene.

The original analyte in Alpha lab EDDs reported as "Total Petroleum Hydrocarbons (C9-C44)" was proposed to need further distinction based on information acquired from the data validators. The analyte was not subjected to silica gel cleanup; thus, it was suggested that the results represented "Total Extractable Matter (C9-C44)". This is the chemical code/chemical name used to report these original total petroleum hydrocarbon results in the final chemistry tables.