

Table 9-10
COPCs Identified for the Ship Channel Energy System - Upper Calcasieu

| COPCs | COPC for Upper Calcasieu (BERA CDM 2002b) | COPC for Upper Calcasieu (HHRA 2002a) | Statistically Significant Different to Reference Area | Nature and Extent Discussed |
|----------------------------|--|--|--|------------------------------------|
| VOCs | | | | |
| 1,2-dichloroethane | No | No | ND | No |
| trichloroethane | No | No | ND | No |
| acetone | No | No | ND | No |
| SVOCs | | | | |
| bis(2-ethylhexyl)phthalate | Yes | Yes | Yes | No |
| hexachlorobenzene | No | No | ND | No |
| hexachlorobutadiene | No | No | ND | No |
| 3- & 4-Methylphenol | No | No | ND | No |
| carbon disulfide | No | No | ND | No |
| PAHs | | | | |
| acenaphthylene | - | - | NE | No |
| benzo(a)anthracene | - | - | NE | No |
| benzo(a)pyrene | - | - | NE | No |
| benzo(b)fluoranthene | - | - | NE | No |
| benzo(g,h,i)perylene | - | - | NE | No |
| benzo(k)fluoranthene | - | - | NE | No |
| chrysene | - | - | NE | No |
| dibenzo(a,h)anthracene | - | - | NE | No |
| fluorene | - | - | NE | No |
| phenanthrene | - | - | NE | No |
| pyrene | - | - | No | No |
| Total PAHs | Yes | No | NE | Yes |
| Low PAHs | Yes | No | NE | Yes |
| High PAHs | Yes | No | NE | Yes |
| PCBs/Pesticides | | | | |
| PCB Congeners | Yes | Yes | No | No |
| aroclor-1254 | Yes | Yes | No | No |
| aldrin | No | Yes | ND | No ³ |
| delta-bhc | No | No | ND | No |
| dieldrin | Yes | Yes | ND | No ³ |
| endosulfan sulfate | No | No | ND | No |
| endrin aldehyde | No | No | ND | No |
| endrin ketone | No | No | ND | No |
| Dioxin/Furans | | | | |
| 2,3,7,8-TCDD | Yes | Yes | No | No |
| Inorganics | | | | |
| arsenic | No | Yes | Yes | No ⁴ |
| barium | No | No | Yes | No |
| chromium (total) | Yes | No | No | No |
| copper | Yes | No | Yes | Yes |
| lead | Yes | No | Yes | Yes |
| mercury | Yes | No | No | No |
| nickel | No | No | No | No ⁴ |
| zinc | Yes | No | No | Yes |

3 - Detected at less than 5 percent in the energy area or at only one location.

4 - Reference area conditions were greater than what was observed in the energy area.

ID - Insufficient Data NE - Not evaluated