Monsanto

FROM (NAME & LOCATION) E. S. TUCKER - R&D LABORATORIES - SOUTH SECOND STREET

DATE October 8, 1969

SUBJECT ANALYSIS OF ESTUARY MUD SAMPLES FROM THE USKMOUTH AREA (NEWPORT,U.K.)

REFERENCE

cc R. E. Keller - S. 2nd
A. F. Regan - Newport
E. P. Wheeler - GO
M. W. Farrar - S. 2nd
W. R. Richard - GO

TO : H. A. Vodden
Ruabon

Results

PS Out No. N69/	Sampled At	ppb Aroclor 1242 Found
8006	Peterstone	470
8007	Lighthouse	2068
8008	Goldcliff Pill	966
8009	Cold Harbor Pill	665

The mud samples were prepared and analyzed in the following manner:

Each mud sample was spread evenly in a flat pyrex baking dish and allowed to air dry. After drying the mud was finely ground and divided into two 250-300g samples. The weighed mud was extracted with acetonitrile and the filtered extracts evaporated to dryness. The residue was saponified by refluxing with alcoholic KOH, re-extracted into hexane, extracted with 90% sulfuric acid, and chromatographed on alumina. After concentration the amount of Aroclor present was determined by electron-capture gas chromatography.

The electron capture fingerpoints were identical with that of our Aroclor 1242 standard. There were also indications of the higher chlorinated biphenyls but at much lower levels.

E. S. Tucker

db
Attachment

TRAN 023503

MM-10 REV. 11-68

DEPOSITION EXHIBIT
PIFS 298
6-12-92 984

HARTOLDMON0008105