Monsanto

FROM (NAME & LOCATION) E. S. Tucker - R&D Laboratories - So. Second St. - St. Louis

DATE August 20, 1969

SUBJECT REFERENCE SAMPLE - BUREAU OF FISHERIES; MONSANTO SAMPLE #2084

REFERENCE

cc: R. E. Keller - So. Second
M. W. Farrar - So. Second
W. R. Richard - GO
E. P. Wheeler - GO

TO : C. R. Campbell - Pensacola
Tuck Dean - Pensacola

We have completed the analysis of the exchange water sample #2084 and I have included with this memo a Xeroxed copy of the complete run calculations and calibration curve.

Three 250 ml aliquots were taken from the 5 pint bottle and analyzed directly after extraction with hexane and concentration to a specific volume. Sample #201-1 was taken prior to shaking the bottle vigorously, samples #201-2 and #201-3 after. The material extracted is as they reported - Aroclor 1254. Their reported concentration of 274 ppb agrees well with our duplicate analysis, #201-2 and #201-3, which were 270 ppb and 269 ppb, respectively. In sample #201-1, we found 17.2 ppb Aroclor 1254 indicating that most of the Aroclor 1254 is adsorbed by the particulate matter present.

We also have received the fish samples and the other water samples which we talked about. We analyzed one of the larger Bluegills (65.37g) and found 133 $\pm$2 ppm Aroclor 1254.

We will report the results of our analysis of the other samples as soon as they are completed.

Scott Tucker

db
Encl.

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