UNIVERSITY OF ALABAMA IN BIRMINGHAM
COMPREHENSIVE
GC/MS
GAS CHROMATOGRAPHY/ MASS SPECTROMETRY
CENTER

Dr. R. L. Semino, Director

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January 15, 1985

Mr. Geary Allen
Office of the Attorney General
Administrative Building
64 North Union Street
Montgomery, Alabama 36130

Dear Mr. Allen:

Enclosed are the results of our GC/MS analyses of your samples of 12 December, 1984. The following tabulation is as I reported to you by telephone on 11 Jan., 1985:

	Name of Sample (SAGO)	File Reference #	PCBs (ppm)
1)	Monsanto Ditch 100 yds Below Galvanized Pipe 1300	4534	73
2)	Ditch @ Church 1310	4535	226
3)	Snow Creek at Glen Apple Street 1325	4536	27

Extraction and GC/MS analyses were conducted as previously described. Two method blanks were used for QA/QC and were completely blank. Fluorobiphenyl, d_5-nitrobenzene and d_8-naphthalene were used as internal standards and surrogate spikes.

Quantitation was obtained via the generation of a standard curve at the levels of 0, 25, 50 and 100 ppm of Aroclor 1254. Total abundances for each degree of chlorination were obtained (Cl_1-Cl_{10}) and compared to the values from the samples. A plot of the standard curve and a table of corrected abundances are enclosed.

The identification of the peaks as PCBs was confirmed by examination of their mass spectra. Extracted ion tracings for PCBs in each sample are enclosed.

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The Cl_1- Cl_{10} distribution in the samples are not identical to Aroclor 1254, 1248 or 1242. Thus, the samples are either a blend of Aroclors or represent aged Aroclor.

If you have any questions concerning these data please feel free to call on me.

Sincerely,

Juanita M. Settine
Supervisor of Laboratories

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Enclosures

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