

Monsanto

PERSON (NAME & RELATIONSHIP)

E. S. Tucker - R&D Laboratories - South Second Street

DATE

May 13, 1970

CC

W. B. Papageorge - GO

R. E. Keller - Res. 1

SUBJECT

WGX - PCB ANALYSIS

REFERENCE

TO

Mike Pierle

W. G. Krummrich Plant

OR Log No.	WGX Sample No.	Sample Description	ppm PCB as Aroclor 1242
211	50	Sediment - Mississippi River Downstream	0.497
212	51	Sediment - Mississippi River, Monsanto dock	5.86
213	52	Sediment - Mississippi River Upstream	0.056
214	53	Sediment - Mississippi River, Cargill Dock	3.58
215	54	Sediment - Mississippi River, Downstream	12.34
216	55	Sediment - Mississippi River, Monsanto Dock	59.61
217	56	Sediment - Mississippi River Upstream	0.096
218	57	Sediment - Mississippi River, Cargill Dock	0.010
219	58	Water - Department 246 Scrubber Effluent	19.55

In addition to Aroclor 1242, sample numbers 214, 216, 217, and 218 contained low levels of higher polychlorinated biphenyls. These were not quantitated separately but calculated as Aroclor 1242.

The electron capture (EC) chromatograms of sample numbers 214, 215 and 218 were somewhat distorted with respect to standard Aroclor 1242 but still easily recognizable as Aroclor 1242.

The EC chromatogram of sample number 213 did not resemble any Aroclor, per se; however, the material did survive the chemical and column treatments and it eluted in the same region as Aroclor 1242 - Aroclor 1260. It was calculated as Aroclor 1242.

As we discussed, please send the next set of samples to us by 5-18-70 so that when we train Gene Webb (WGX), he can work with the actual samples he will be analyzing when WGX takes over this function.

E. S. Tucker

MONS 099449

db