Monsanto COMPANY CONFIDENTIAL

FROM (NAME & LOCATION): Robert L. Harness - William G. Krummrich Plant

DATE: November 10, 1975

cc: P.E. Heisler
C.F. Buckley

SUBJECT: OSHA SAMPLING FOR POLYCHLORINATED BIPHENYLS

REFERENCE:

TO: A.E. Leisy
G.L. Johnson

Below are the results of recent air sampling for PCB's in the air in the Aroclor department.

DATE	LOCATION OF SAMPLE	PERIOD OF TIME SAMPLED	RESULT (mg/M^3)
10/9/75	2nd level, at batch chlorinator	3 hrs.	0.022 mg/M^3
10/9/75	2nd level at continuous chlorinators	3 hrs.	0.012 mg/M^3
10/13/75	2nd level at batch chlorinators	4 hrs. 4 min.	0.057 mg/M^3
10/13/75	2nd level at continuous chlorinators	4 hrs. 3 min.	0.058 mg/M^3
10/14/75	Ground level at sewer sampler	2 hrs. 55 min.	0.006 mg/M^3
10/14/75	Ground level at scrubber discharge	2 hrs. 53 min.	0.338 mg/M^3

Method used: Absorption in Toluene in two midget impingers (in series), followed by GLC analysis.

DISCUSSION

Positive identification of the type of PCB was not possible. The W.G.K. lab feels confident that primarily lower chlorinated biphenyls were present. The OSHA TLV's for aroclors are as follows:

Aroclor	1242	1 mg/M^3
Aroclor	1254	0.5 mg/M^3

All samples were below these values. The area around the scrubber will be resampled to determine if it is a high exposure location.

R.L. Harness
Environmental Control

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