Monsanto

PCB " TCDD

FROM (NAME & LOCATION): M. W. Dietrich - R&D Laboratories - S. Second Street

DATE: July 15, 1970

SUBJECT: STATUS OF ANALYSIS FOR DIOXINS IN MONSANTO PRODUCTS

REFERENCE:

TO: R. E. Keller
Research 1

cc: J. Mason - GO
E. P. Benzing - GO
M. W. Farrar - Res. 1
W. K. Johnson - GO
N. B. Papageorge - GO
W. R. Richard - GO
C. W. Roos - Res. 1
T. M. Patrick - Res. 1
E. M. Emery - Res. 2
O. Hicks - Res. 2
J. P. Mieure - Res. 2
E. S. Tucker - Res. 2

As you requested, I have reviewed the status of our Dioxin analytical efforts. To date, eight projects have been identified and are in various states of completion. They are summarized below together with our best estimate of man effort required and realistic target date. Dr. J. Mieure has overall responsibility for the completion of these projects with other manpower being used where appropriate. The completion dates indicates are based on our continued access to electron capture gas chromatography equipment in the Analytical and Physical Chemistry groups. Earlier completion of these projects will require additional manpower (and GC equipment) or a realigning of project priorities.

Martin

Martin W. Dietrich

db
Attachment

DIOXIN* ANALYSIS

Project	Estimated Effort (Man Days)	Target Date	Responsibility
1. Develop method for OCDD in pentachlorophenol. Analyze Monsanto and competitive materials.	-	Complete	J. Mieure O. Hicks
2. Develop method for OCDD in Santobrite. Analyze Monsanto and competitive products.	-	Complete	J. Mieure O. Hicks
3. Develop method for TCDD in pentachlorophenol. Analyze Monsanto product including samples to be sent to FDA.	6	7/17	J. Mieure
4. Determine level of OCDD in Mystox (customer request).	1	8/19	O. Hicks
5. Analyze O and P chlorophenol and 2,4-dichlorophenol by method used in 3.	1	7/21	J. Mieure
6. Develop method(s) for Dioxins and furans in chlorinated biphenyls. Determine levels of these components in Aroclors 1242, 1254 & 1260.	5-10	8/5	J. Mieure
7. Develop method for Dioxins and furans in Aroclor 5460. Analyze product in support of petition to FDA.	**2-5+	8/12	J. Mieure
8. Quantitate analysis for other Dioxins and furans in pentachlorophenol and Santobrite.	5-10	***	J. Mieure O. Hicks

*Dioxin: Chlorodibenzo-p-Dioxins
OCDD: Octachlorodibenzo-p-Dioxin
TCDD: 2,3,7,8-Tetrachlorodibenzo-p-Dioxin
Furan: Chlorodibenzofurans

** 2 days if method developed for chlorinated biphenyls is applicable.

*** Awaiting standards from Dow Chemical Company before beginning work.