



E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
WILMINGTON, DELAWARE 19898

POLYMER PRODUCTS DEPARTMENT
EXPERIMENTAL STATION

PERSONAL AND CONFIDENTIAL

cc: A. J. Dahl - 353
B. W. Karrh - N11400
L. J. Papa - 269
Pral File
I.C.

AR226-1592

July 28, 1981

DR. W. J. REINHARD
F&F
FAIRFIELD, CT.

ANALYSIS OF BLOOD SAMPLES FOR PERFLUOROOCTANOATE
(Job No. 811-595; PRAL No. 81-2957; Notebook Nos. E22514, E26238)

As requested in your letter of 7/20/81 to L. J. Papa, the blood sample listed below has been analyzed for perfluorooctanoate.

Sample				GC Analysis	
PRAL No.	Date Sampled	S.S. No.	Name	Date Analyzed	[C ₈], ug F/g bi
81-2957	6/29/81			7/14/81	0.17

The analysis was done as for the samples reported to you previously (5/20/81), using a gas chromatographic method specific for C₈ (Lab Method No. LS-567) but with the result given in ppm F for comparison with total organic fluorine analyses. Precision is $\pm 10\%$ relative standard deviation over most of the concentration range, somewhat less at the lowest values. The lower limit for quantitation is 0.007 ppm F (0.01 ppm perfluorooctanoic acid), with a detection limit of ~ 0.004 ppm which can be distinguished from the reagent background but not well quantitated.

Please contact me (772-4440) or L. J. Papa (772-2745) if you have any questions regarding the analyses. General questions on blood sampling can be directed to J. W. Raines or L. F. Percival.

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Key Words:

Perfluorooctanoate
Perfluorooctanoic acid
Blood Analysis
GC

S. S. Stafford
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There's a world of things we're doing something about

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