

Interoffice Correspondence



Subject: Determination and
Characterization of
Trace Fluorochemicals

August 26, 1976

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FROM: JON BELISLE - 201-1S (3-1053)

Nine human blood samples have been analyzed for organic and inorganic fluorine. The samples were as follows:

Sample J - individual previously but no longer exposed to fluorochemicals.

Cordova samples - 3M employees at the new Cordova, Ill. manufacturing facility.

Fluorochemical has been isolated from the serum of person E₁ (Chemolite supervisor) and (less significantly) from person A (236 lab chemist). GC and NMR data suggest the identity of this fluorochemical.

Completed Aug. 23, 1976
10 ml blood characterized by Aug 19 F NMR on
Aug 26, 1976. C₁₉F₁₅ CO₂ N straight chain

Exhibit
1131

State of Minnesota v. 3M Co.,
Court File No. 27-CV-10-28862

3MA00967404

1131.0001

R - F
(Organic Fluorine)

F⁻
Inorganic Fluoride

LITERATURE VALUES

Range:	0.002-0.13	0.003-0.17
Average:	0.03	0.02

PERSON

J	<i>Previously exposed but not now</i>	1.0	REDACTED	0.36
E ₁	(5/76)	39		
	(8/76)	35		

Cordova Samples

*Taken
by 14th*

*Bldg 20
all area*

RED	2	0.54	0.07	
ACT	3	0.63	0.05	
ED	4	0.53	0.08	
	5	0.33	0.62	<i>how long ago HF burn?</i>
	6	1.64	0.05	<i>HF burn?</i>
	7	0.25	0.12	
	8	0.16	0.87	<i>high</i>
	9	0.16	0.15	

No HF exposure or org. F exposure.

Jon Belisle