

Shaw Def

LOOED

Low Def ~~Def~~ Call

line 19

P. 13 The article describes the method we developed to detect trace amounts of Dioxin in chlorophenyl process

LINE 23

PAGE 13 - The lower ~~limit~~

10 P.P.B.
detection limit / w 2378 Tetra chloro dibenzo dibenz is ten parts per billion by this technique

P. 14 line 18 (2378)
we would be able to see it if it were present at a level above the detection limit here.

line 25 - we found the higher range

P. 21 - in 1975 w/ 76 we got into parts per billion our own detection method

* P. 25 - our testing of OCD prior to the spill was not using

"High resolution mass spectrometry"

P. 27 - It was what we call "low or medium resolution mass spectrometry"

But high resolution mass spectrometry capability was not acquired by Monsanto until 1980

1. What equipment ^{is} necessary to detect the presence of 2378 TCO in the chlorinated phenols
2. What equipment did respondents have at Cerec Labs, or at the Krummholz Plant or at Dayton in 1977 + 1978
3. What additional equipment was purchased or acquired by respondents after Jan of 1979 to incident to detect the presence of 2378 ^{TCO} in the chlorinated phenols?
4. Did respondents have the 2378 Standard necessary to detect the presence of 2378 TCO in the chlorinated phenols in 1975, 76, 77, 78.

— Michael is pinned down as not
having the authority to change
anyone else's lab results. He
Doesn't Recall changing any results
p. 30 - But He would, if he knew
something to be incorrect - No one
changed any Results, as far as I know

— Note, dated Feb 16, 1979, memo in which
He states that the "original memo" should
be destroyed & replaced with
unaffiliated "new current editor"

REMARKS

Reine Day - Nov 12-21-83

P. 12 The 1977 article is a good & valid method today

P. 13 - We ~~thought~~ that that methodology could be used on other chemical phenol like OCP - 11 was inadequate

P. 32 - Hecht & Kely did the lab work on the sample from the car

P. 34 - I manually could not make change in same chemical mass report

P. 8 - In 1978 the lab I was working in had the ability to detect Tetrakis at 10000

P. 11 - we had the best technology in Minnesota at the time

Sheet

14, 15 + 16, 26

17, 18 + 19