

MX 956

1-83-19-01-03

MONSANTO COMPANY

No 2340577

SUBJECT

Plans for dioxin

JOB NO.

13-027-760 41
483.22101

PREPARED BY (SIGNATURE)

David E. Kirk

DATE

Jan 29, 1983

Objective: to extract plants received and to
clean up extracts to look for isomers of dioxin.

Method: MRC H 24-09 Prep R-1

UT 295 Dept 237 1-6-83 Orthallor plant
Crude Car: USLX 21271 Batch KCD1 8001

UT 296 Replicate of above

UT 297 Low Spike of above 104 μ of 1/2 mixed dioxin

UT 298 High Spike of above 100 μ of 1/2 mixed dioxin

UT 299 Dept 237 1-17-83 2, 4, D
Tank: Ellor Batch: A-107

CONFIDENTIAL

UT 300 Replicate of above

SUBJECT TO PROTECTIVE ORDER

UT 301 Low Spike of above 104 μ of 1/2 mixed dioxin

UT 302 High Spike of above 100 μ of 1/2 mixed dioxin

UT 303 Dept 237 1-18-83 2, 4, D
Batch: A-105 and A-106

UT 304 Dept 237 10-3-82 Refined 2, 4, D
Tank: 163 Batch: J-101

all samples: 7.5 μ l of 5.2 M γ /al C₁₃ TCDD

C17137

READ AND UNDERSTOOD BY

Fred Helman

DATE

6 May 83

Analysis of Chlorophenols for PCBs
ng PCDDs/gm phenol (ppb)

sample	Cl ₁	Cl ₂	Cl ₃	Cl ₄	Cl ₅	Cl ₆	Cl ₇	Cl ₈
-01-8001	ND	ND	<3.0	ND	ND	ND	ND	ND
-01-8001 (Rep)	ND	ND	<2.0	ND	ND	ND	ND	ND
-107	ND	<2.8	<2.3	<3.8	6	3.2	ND	ND
-107 (Rep)	ND	<2.8	<1.8	<5.1	7	7.0	ND	ND
-105+106	ND	<2.6	<2.0	<2.6	5	6.0	1.5	2.3
-101 (Blend)	ND	ND	ND	ND	ND	ND	ND	ND
st. Limit	1	1	1	1	1	1	1	1
spike level	2.5	2.5	2.6	2.0	2.4	2.3	2.5	2.0
-107 (Spike)	3.8	5.2	4.9	7.9	8	7.7	3.7	3.6
Recovery	152	96	111	170	63	113	148	180

CONFIDENTIAL

SUBJECT TO PROTECTIVE ORDER

017138

Analysis of Chlorophenols for PCDDs

ng PCDDs/gm Phenol (ppb)

CONFIDENTIAL

SUBJECT TO PROTECTIVE ORDER

C17439

Sample	Cl ₁	Cl ₂	Cl ₃	Cl ₄	Cl ₅	Cl ₆	Cl ₇	Cl ₈
in the level	25	25	26	20	24	23	25	20
-107 (Spil)	27	37	57	30	38	37	31	34
% Recovery	108	136	211	128	130	130	124	170
in the level	2.5	2.5	2.6	2.0	2.4	2.3	2.5	2.0
01-8001 (Spil)	3.2	3.9	8.3	2.9	3.7	3.1	2.7	3.1
% Recovery	128	156	223	145	154	135	108	155
in the level	25	25	26	20	24	23	25	20
01-8001 (Spil)	23	28	37	22	27	30	29	33
Recovery	92	112	133	110	112	130	116	165