

MX 956

1-83-19-01-03

MONSANTO COMPANY

Nº 2340577

SUBJECT

Plans for disin

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 disin.

Method: MRC H 24-09 Prep R-1

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

UT 296 Replicate of above

UT 297 Low Spike of above 104% of 1/2 mixed disin

UT 298 High Spike of above 100 4% of 1/2 mixed disin

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

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UT 300 Replicate of above

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UT 301 Low Spike of above 104% of 1/2 mixed disin

UT 302 High Spike of above 100 4% of 1/2 mixed disin

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

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

all samples: 7.5 g/l of 5.2 M/gal C₁₃ T.C.P.D.

017137

READ AND UNDERSTOOD BY

Fred Helman

DATE

6 May 83

Analysis of Chlorophenols for PCDDs
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	23.0	ND	ND	ND	ND	ND
-01-8001 (Rep)	ND	ND	22.0	ND	ND	ND	ND	ND
1-107	ND	22.8	22.3	23.8	6	3.2	ND	ND
-107 (Rep)	ND	22.8	21.8	25.1	7	7.0	ND	ND
-105+106	ND	22.6	22.0	22.6	5	6.0	1.5	2.3
-101 (Blank)	ND	ND	ND	ND	ND	ND	ND	ND
at. 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
1-107 (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

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Analysis of Chlorophenols for PCDDs ng PCDDs/gm Phenol (ppb)

Sample	Q ₁	Q ₂	Q ₃	Q ₄	Q ₅	Q ₆	Q ₇	Q ₈
Blank								
Blank	25	25	26	20	24	23	25	20
-107 (Spike)	27	37	57	30	38	37	31	34
% Recovery	108	136	211	128	130	130	124	170
Blank								
Blank	2.5	2.5	2.6	2.0	2.4	2.3	2.5	2.0
-01-8001 (Spike)	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
Blank								
Blank	25	25	26	20	24	23	25	20
-01-8001 (Spike)	23	28	37	22	27	30	29	33
Recovery	92	112	133	110	112	130	116	165

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