

2197
PX ~~2198~~

12-15-72

Dioxins in Pentachlorophenol

Approximate Concentrations (ppm)

Sample #	TCDD	H ₆ CDD	H ₇ CDD	OCDD
478-1 ↑	.2	1.6	3.0	3.2
2	<.1	.13	.21	.43
3	.3	1.1	2.2	2.2
4	1.0	2.1	2.5	3.5
5	.6	2.1	3.7	3.4
6	.9	1.8	3.1	3.1
7	1.0	2.0	3.7	2.5
8	.6	3.7	5.3	4.0
9	.4	*	*	*
10	**	*	*	*
11	**	*	*	*
12	**	*	*	*
M-261	.2	*	*	*

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* Would have to be diluted x100 for analysis

** Boiling electron capture active impurity interferes with analysis

Analyses of Distilled Penta from new Tent. Process.

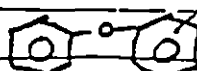
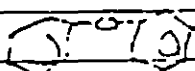
ID	Dioxins Found (PPM)			
	TCDD	H ₄ CDD	H ₃ CDD	OCDD
194436	<0.08	1.8 ± .5	3.0 ± 1	6.5 ± 2
194432-1	<0.08	1.5 "	2.9 "	5.2 "
194432-1	0.08-0.2	1.4 "	3.0 "	5.6 "
194437-2	0.08-0.2	1.6 "	2.5 "	9.5 "
194443-3	<0.08	<0.4 *	0.1 ± 0.1	0.5 ± 0.2
194443-4	<0.08	<0.4 *	0.4 "	0.6 "

* Calculated from GC peaks eluting in the vicinity of known H₄CDD peaks, but retention times do not coincide exactly.

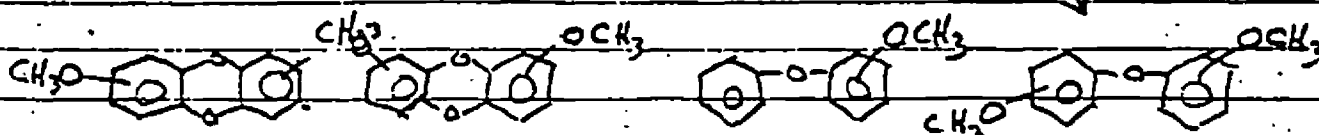
3
-3
6

-35
+31
-4

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0	184	168	170	94	186
1	218	202	204	128	220
2	252	236	238	162	254
3	286	270	272	196	288
4	320	304	306	230	322
5	354	338	340	264	356
6	388	372	374		390
7	422	406	408		424
8	456	440	442		458



0	214	244	200	230
1	248	278	234	264
2	282	312	268	298
3	316	346	302	332
4	350	380	336	366
5	384	414	370	400
6	418	448	404	434
7	452		438	
8				

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482 pentachlorobenzene

34	306
5	122
175	136

489 MW 274

488 hexachlorobenzene

492 MW 306 SCI + penta

496 dichlorodibenzofuran

502 hexachlorodiphenyl ether

507 heptachlorodiphenyl ether

516 heptachlorodibenzop-dioxin

517

↓

520

1

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0005231

PCP

C19134

	T	H ₆	H ₇	O
194437-2	.0x1	1.6 = 5	3.2	9.5 : 1
194443-3	.008	< 0.4	.1	0.5
194437-1	.0x1	1.4	3.2	5.6
194443-4	.008	< 0.4	.5	0.6
194436	.008	1.8	3.2	6.5
194432-1	.008	1.5	3.6	5.2

↑
 .001.
~~+~~
 + .007.

	T	H ₆	H ₇	O
194436	2.08	1.8	3.0	6.5
194432-1	2.08	1.5	2.9	5.2
194437-2	.1	1.6	2.5	9.5
194437-1	.1	1.4	3.0	5.6
-3	2.08	2.4	.1	.5
-4	2.08	2.4	.4	.6

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0005232- PCR

C19135