

Biotest Studies	Sept 1968 Protocol #	Biotest Study #	Report Date	Status
Chicken Residue		J7010	4-69	Tissues used to verify procedures
Rat Tissue Study	I	J7009	4-69	Analysis of Aroclor tissues complete
Chicken Toxicity, Reproduction and Nest and Egg Residue Study	II	J7300	6-70	~ 220 Samples at Biotest
Mallard Duck Study	III			Deleted
3-Generation Reproduction Study in Rats	IV	P7297	9-70 (15 mo)	No tissues collected?
2-Year Chronic Toxicity Study in Rats	V	B7298	9-70 (12 mo)	~ 320 Samples 204 at So 2nd St.
2-Year Chronic Toxicity Study in Dogs	VI	C7299	12-70 (18 mo)	No tissues collected?
Subacute Fish Toxicity Study	VII	A7204	6-69	Deleted.
		A8570		69 Fish samples ~ 200 Water samples at So. 2nd St.

NEV 027009

740264

PLAINTIFFS
EXHIBIT

11603

#07290 Two Year Chronic Oral Toxicity Study Of Ancel In Albino Rats Adverse Effects

	3 Mo Sacrifice						6 Mo Sacrifice						12 Mo Sacrifice						24 Mo Sacrifice					
	1st Mo		10 ppm		100 ppm		1 ppm		10 ppm		100 ppm		1 ppm		10 ppm		100 ppm		1 ppm		10 ppm		100 ppm	
	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
Animals																								
Animals																								
12/78																								
Liver																								
Fat																								
Brain																								
Animals																								
12/79																								
Liver																								
Fat																								
Brain																								
Animals																								
12/80																								
Liver																								
Fat																								
Brain																								
Control																								
Liver																								
Fat																								

* Common control, one per sacrifice.
 1) Skipped liver
 2) Samples of 2nd St (from sacrifice)
 (Samples of all tissues through 6mo)
 (sacrifice at 2nd St)

17300 Toxicity, Reproduction and Residue Study in Anacard in White Leghorn Chickens, Adverse Effects

Test Sacrifice (1)		Recovery Period										Recovery Sacrifice (2)			
		1 ppm		10 ppm		100 ppm		1000 ppm		10000 ppm		1 ppm	10 ppm	100 ppm	1000 ppm
Anacard 1248	Muscle	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	Kidney	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Liver	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Fat	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Egg	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
Anacard 1251	Muscle	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Kidney	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Liver	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Fat	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Egg	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
Anacard 1260	Muscle	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Kidney	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Liver	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Fat	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Egg	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
Control	Muscle	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Kidney	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Liver	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Fat	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)
	Egg	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)	m(1)

* Common control
 (1) Between 22nd and 26th week
 (2) Between 26th and 30th week
 a) Low body weights
 b) Lower food consumption
 c) Lower egg production
 d) Poor hatchability of eggs
 e) Thinner eggshells
 f) Mortalities (number)
 Please note: Results above are for the first group rather than individual birds or tissues.

ppm Wet Weight Basis

		3 Mo. Sacrifice					
		1 ppm		10 ppm		100 ppm	
		♂	♀	♂	♀	♂	♀
1.) Aroclor 1242	Muscle	0.4	1	0.7	2	4	6
	Kidney	0.2	(2)	0.5	0.3	0.8	0.9
	Liver	0.1	0.1	0.2	0.3	0.9	0.9
	Fat	5	6	12	12	44	75
Aroclor 1254	Muscle	2	1	8	8	31	62
	Kidney	0.2	0.2	1	1	5	8
	Liver	0.1	0.1	1	1	18	12
	Fat	8	3	84	66	306	(211)
Aroclor 1260	Muscle	(9)	2	6	11	11	10
	Kidney	0.1	0.5	1	4	14	18
	Liver	0.2	—	1	2	18	19
	Fat	—	28	110	(724)	(366)	599

1.) Calculated as Aroclor 1254

2.) Aroclor 1260

ppm Lipid Weight Basis

		3 Mo. Sacrifice					
		1 ppm		10 ppm		100 ppm	
		♂	♀	♂	♀	♂	♀
1.) Aroclor 1242	Muscle	5	10	13	18	64	89
	Kidney	7	(72)	21	16	41	40
	Liver	10	12	20	31	82	72
	Fat	6	6	13	13	53	81
Aroclor 1254	Muscle	9	12	85	107	426	1026
	Kidney	11	12	54	41	233	323
	Liver	15	20	108	122	(323)	1137
	Fat	8	3	86	66	329	(2362)
Aroclor 1260	Muscle	(98)	16	44	76	137	156
	Kidney	7	22	66	142	606	831
	Liver	20	—	112	93	1539	1815
	Fat	—	32	138	(760)	(1060)	672

1.) Calculated as Aroclor-1254

2.) Aroclor 1260

NEV 027013

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3 Mo. Sacrifice									
		1 ppm		10 ppm		100 ppm			
		♂	♀	♂	♀	♂	♀		
1)	Blasch	5	10	13	18	64	89		
	Aroclor 1242	7	72	21	16	41	40		
	Liver	10	12	20	31	82	72		
	Fat	6	6	13	13	53	81		

1) Calculated as Aroclor 1254

2) Aroclor 1260

		3 Mo. Sacrifice					
		1 ppm		10 ppm		100 ppm	
		♂	♀	♂	♀	♂	♀
Aroclor 1254	Muscle	9	12	85	107	486	1026
	Kidney	11	12	54	41	233	323
	Liver	15	20	108	122	3239	1137
	Fat	8	3	86	66	329	2362

NEV 027015

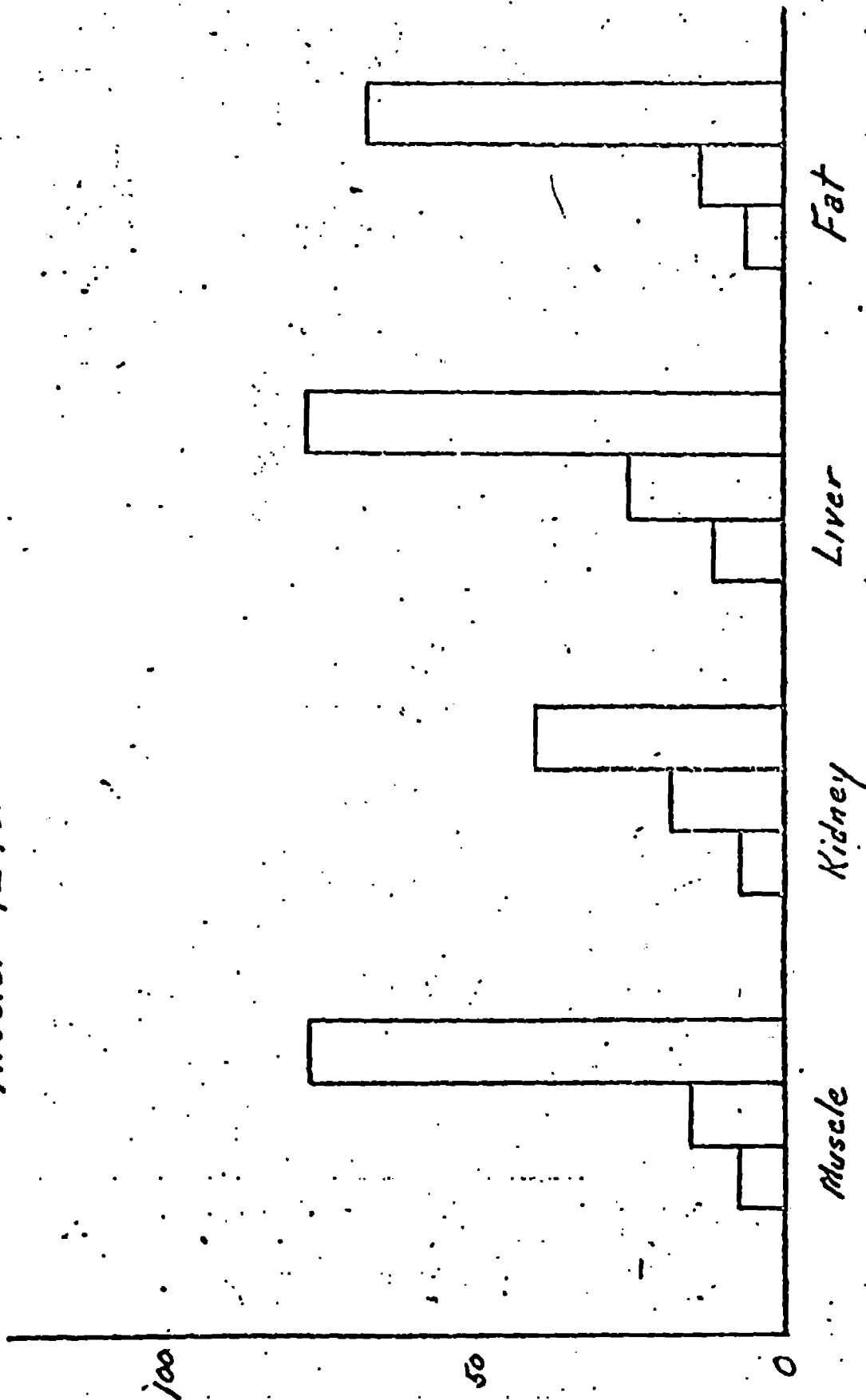
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3 Mo. Sacrifice							
		1 ppm		10 ppm		100 ppm	
		♂	♀	♂	♀	♂	♀
Proctor 1260	Muscle	98	16	44	76	137	156
	Kidney	7	22	66	142	606	831
	Liver	20	—	112	93	1539	1815
	Fat	—	32	138	760	1060	672

NEV 027016

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Aroclor 1242



Aroclor 1254

756

278

1137

1345

Muscle

Kidney

Liver

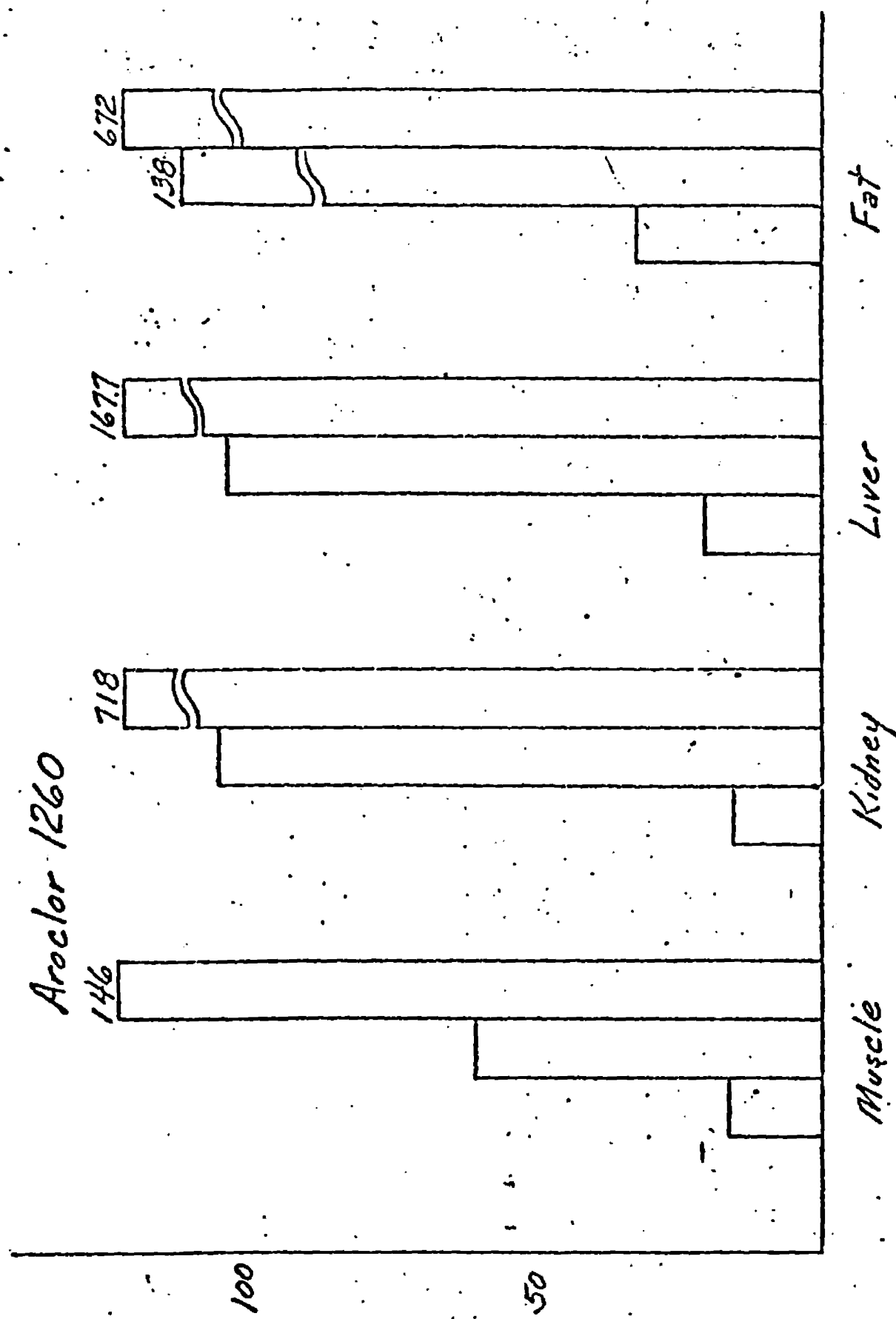
Fat

100

50

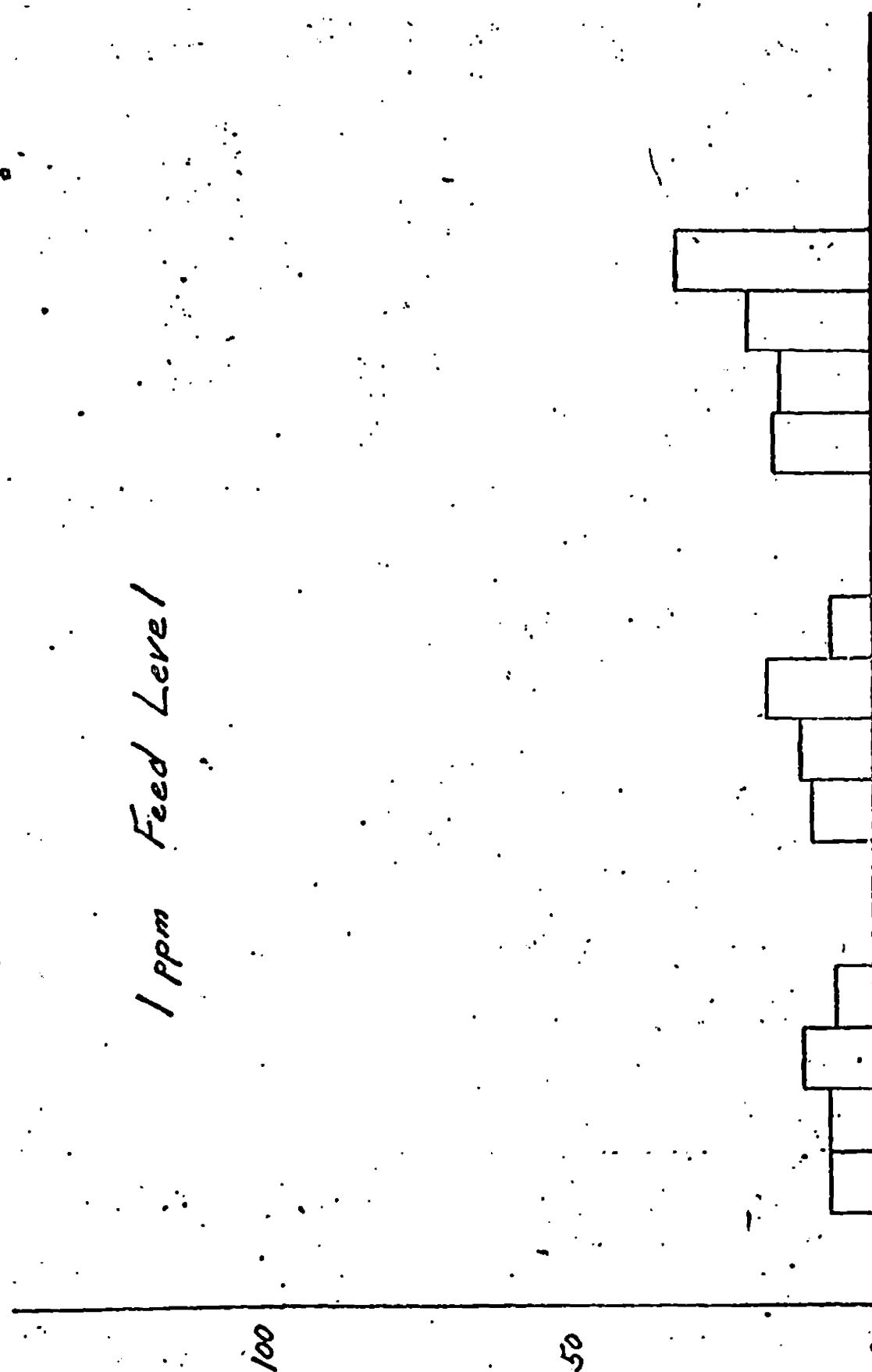
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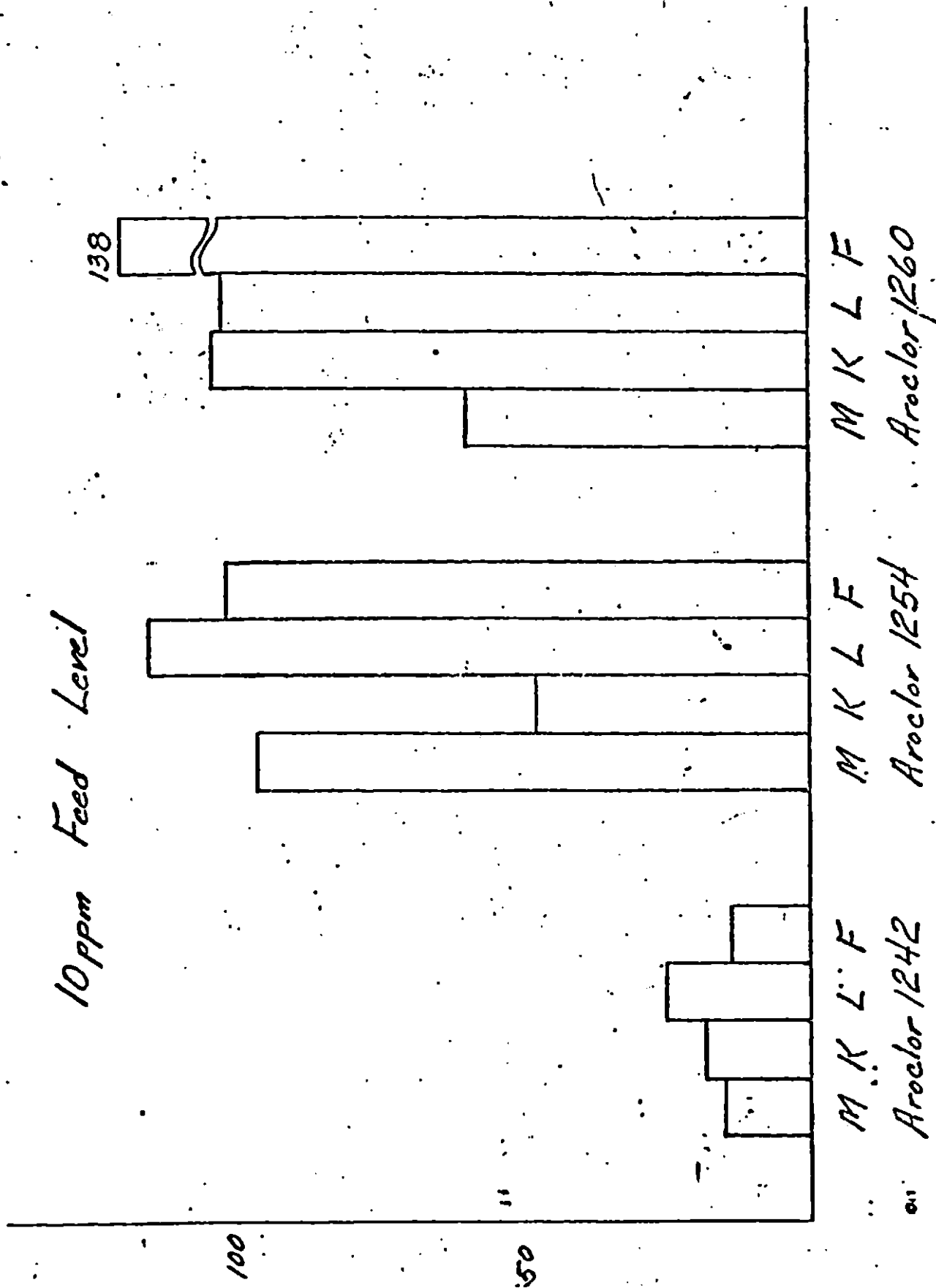
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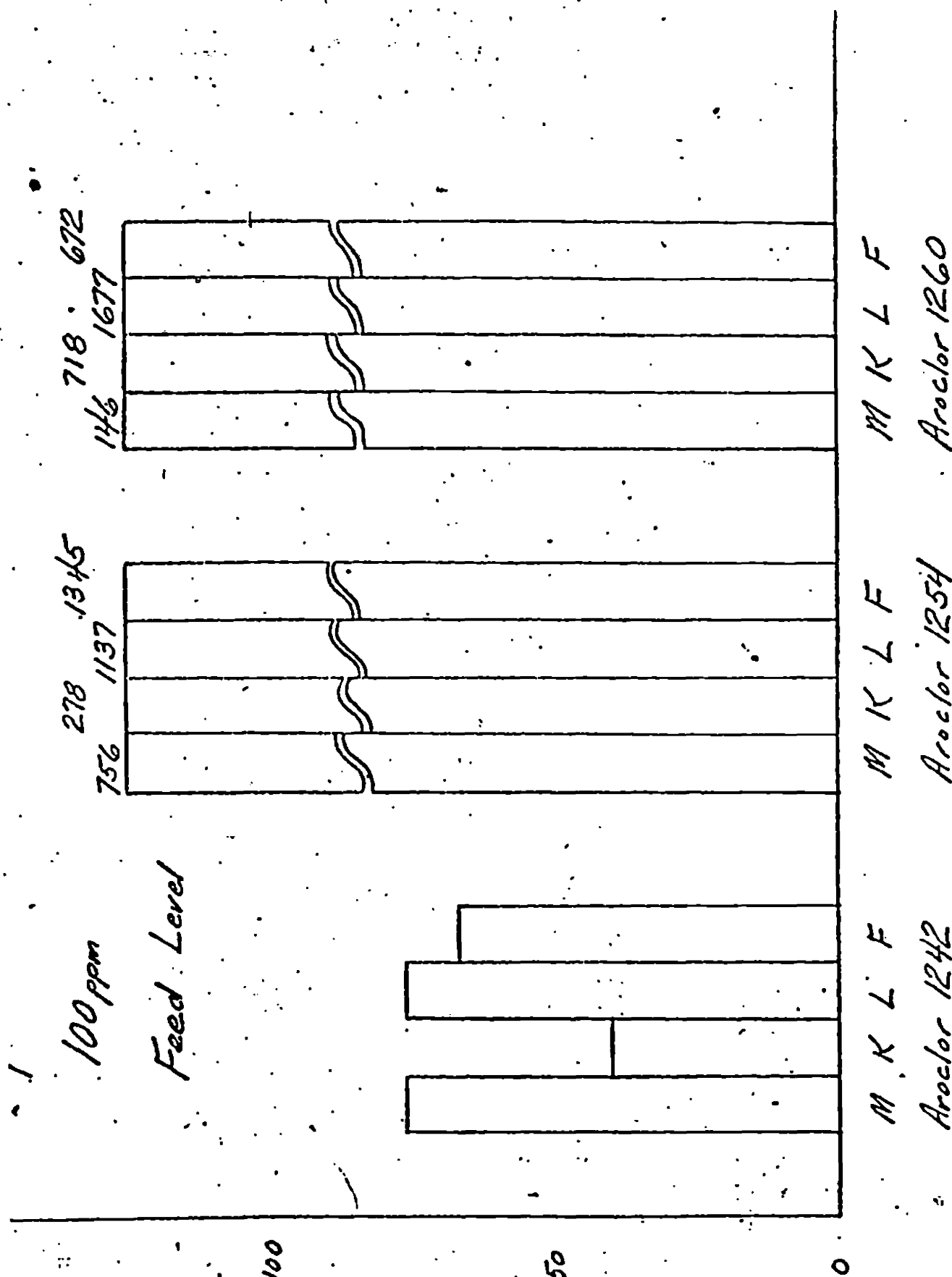
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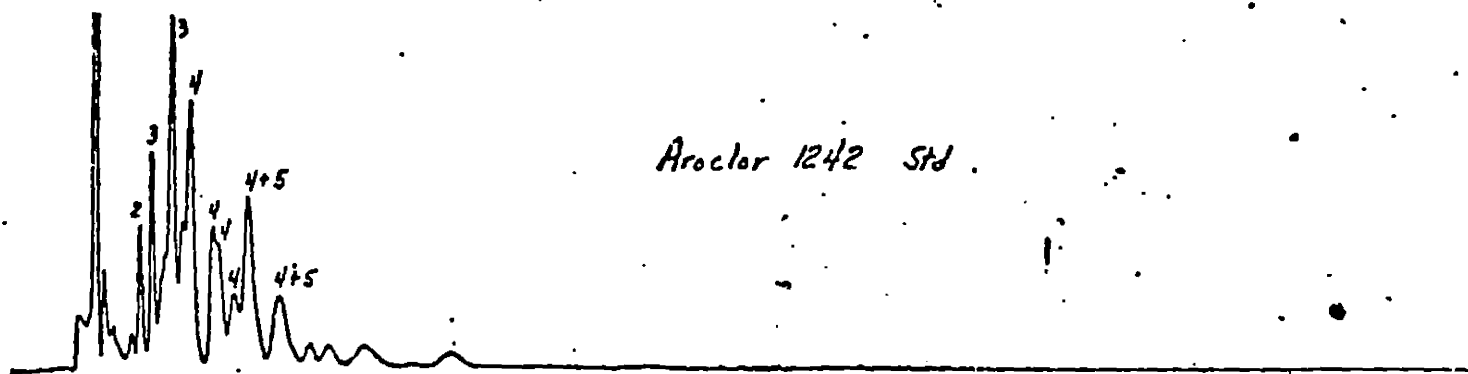
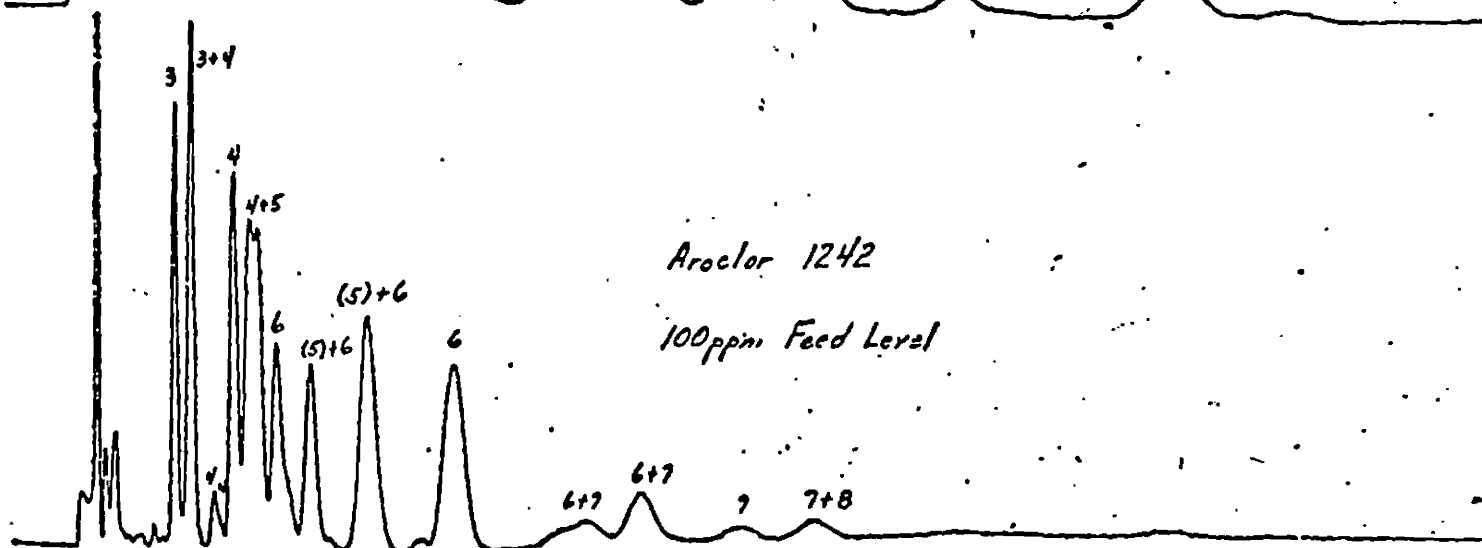
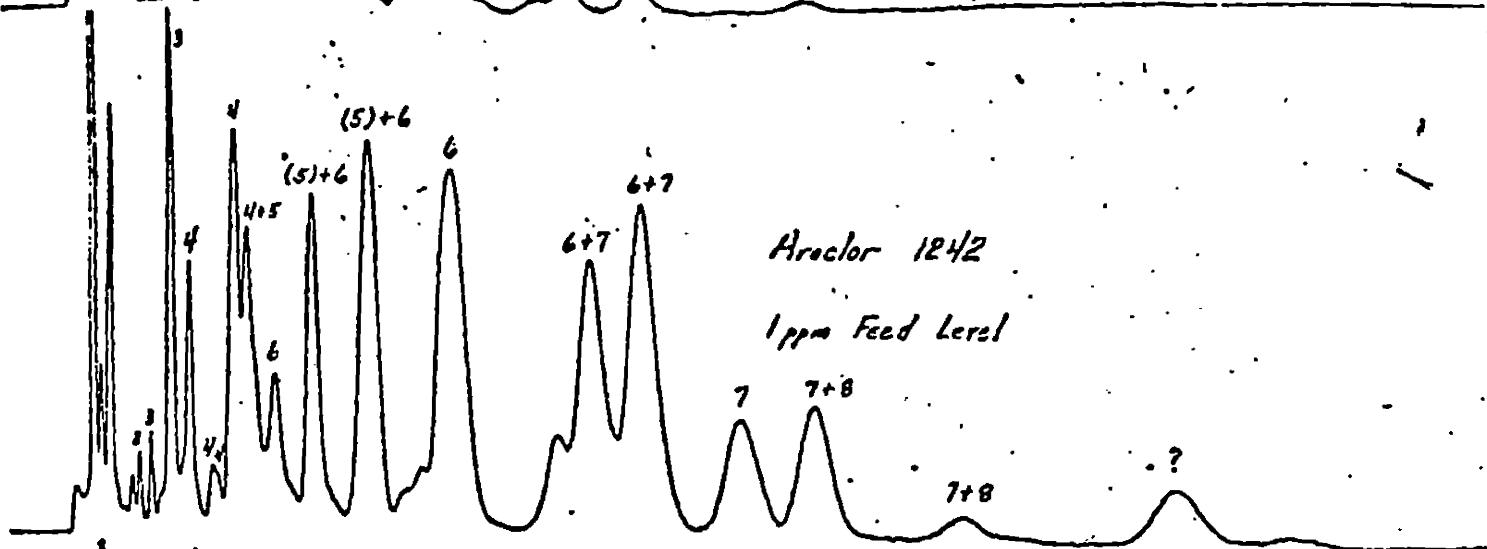
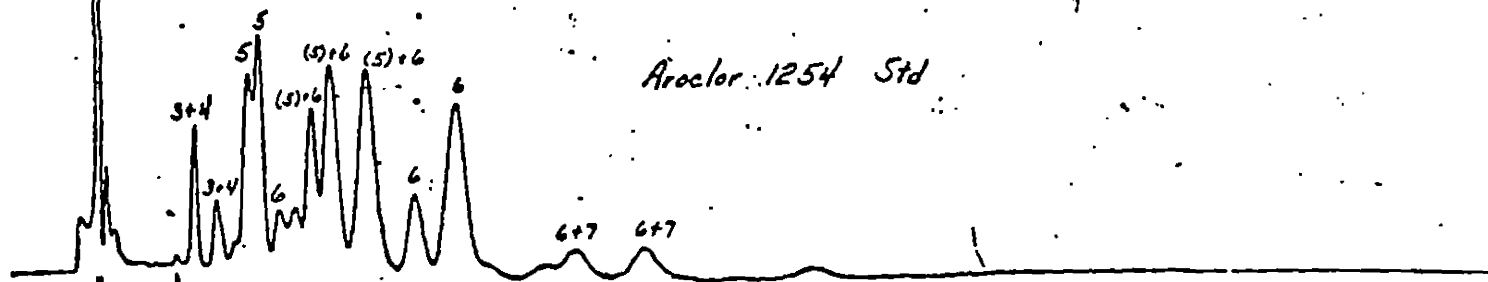




NEV 027021

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minutes

NEV 027023

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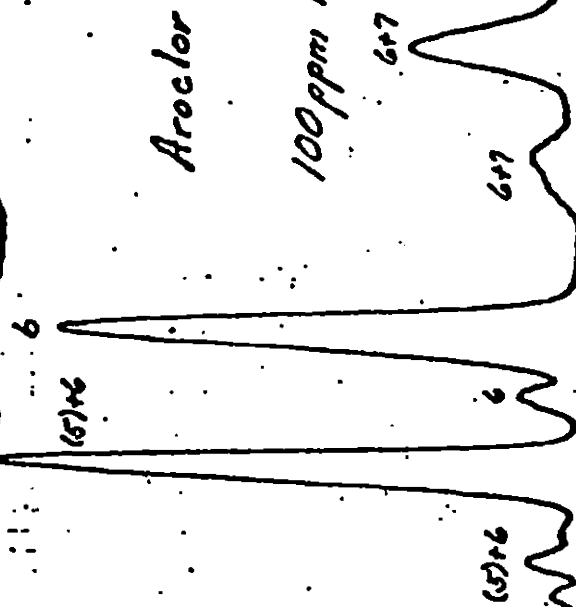
Aroclor 1254

1 ppm Feed Level

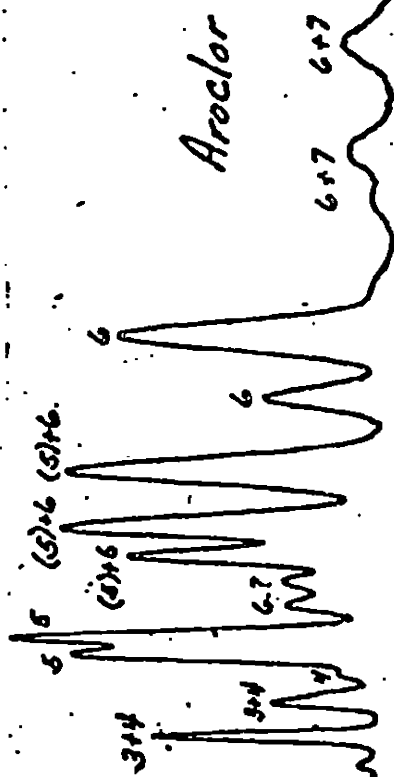


Aroclor 1254

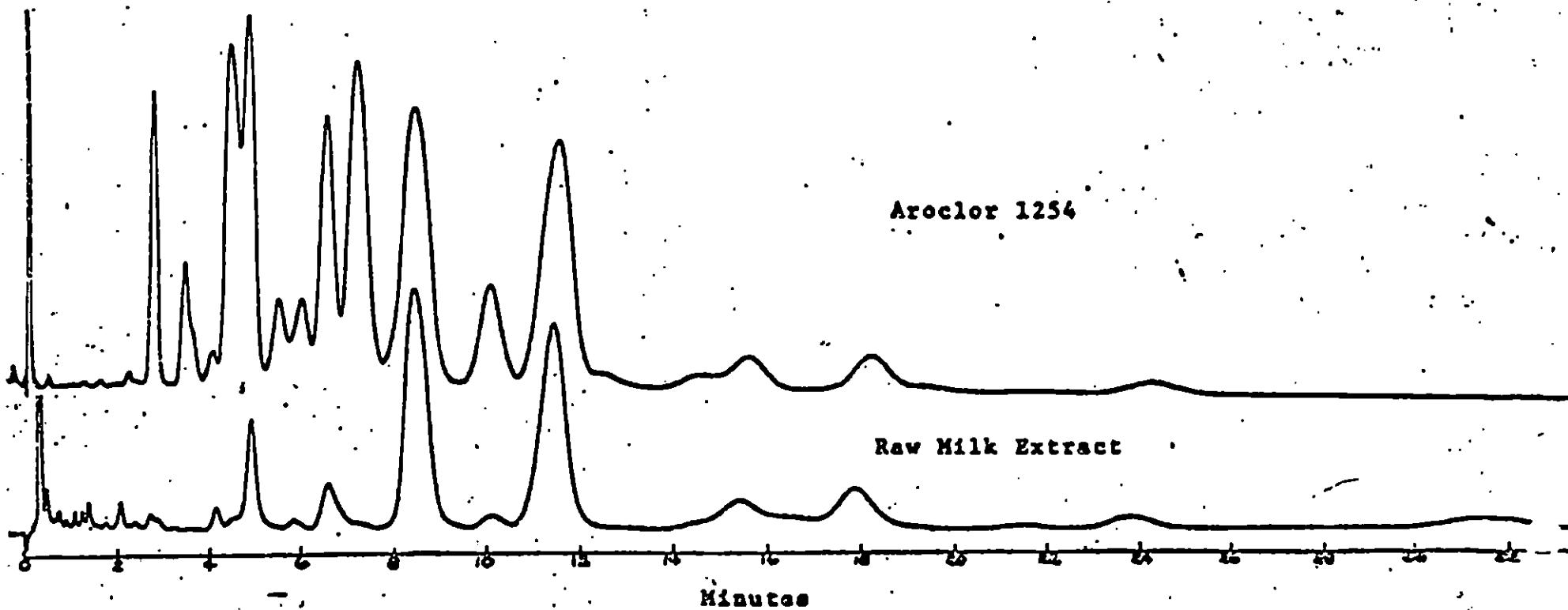
100 ppm Feed Level



Aroclor 1254 Std.



NEV 027024

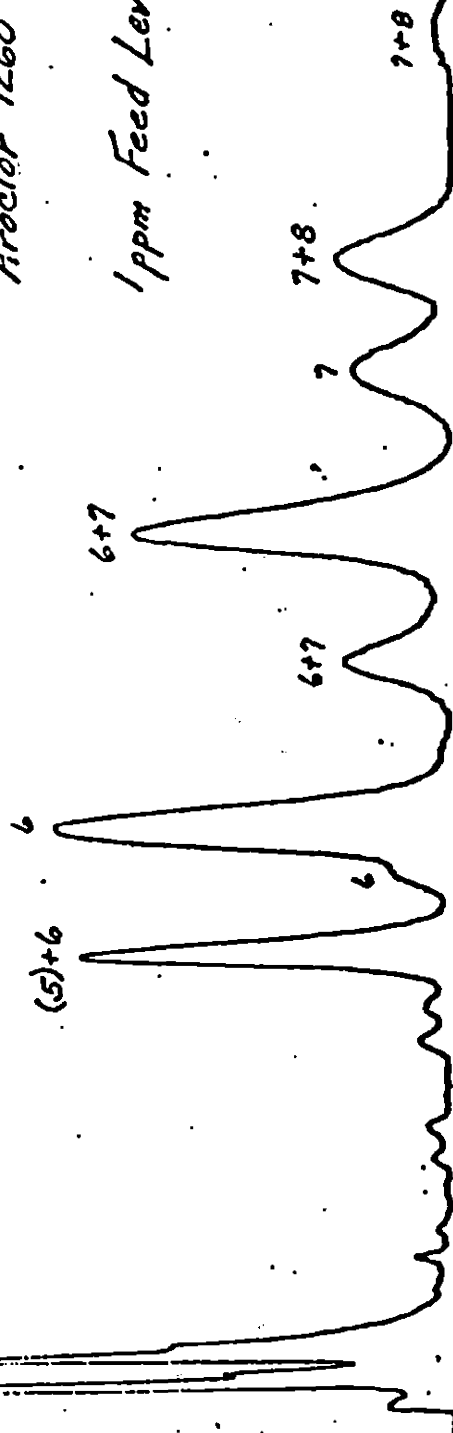


NEV 027025

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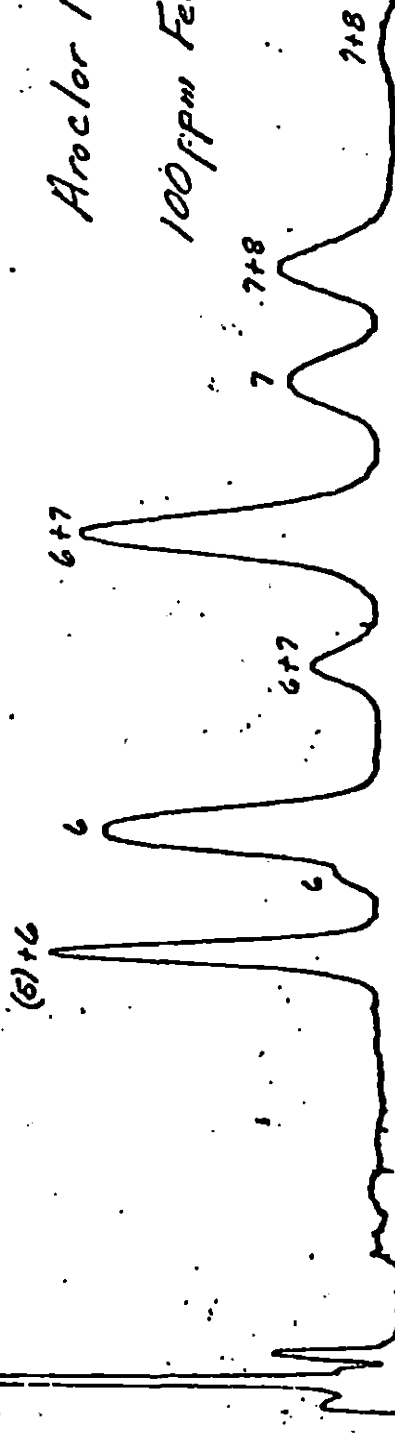
Aroclor 1260

1 ppm Feed Level

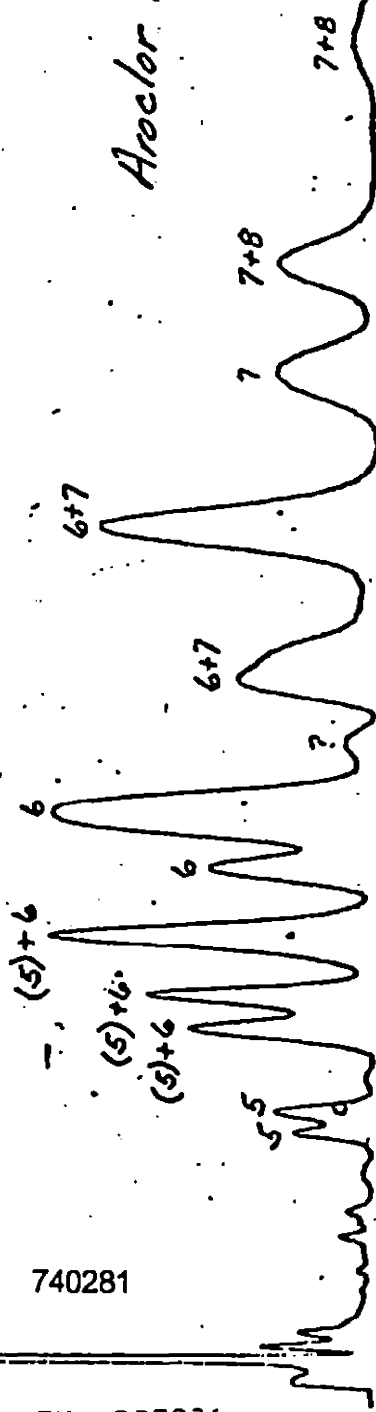


Aroclor 1260

100 ppm Feed Level



Aroclor 1260 STD



740281

NEV 027026

