Anniston Mud & Water Spls.

WGK Water Sple - OR127040-1

STD - 0.20×10^{-9} g/ml

Peak Ht.

3 ml - 0.82
5 ml - 1.40
7 ml - 2.00
9 ml - 2.40

Sample #	Log #	Inject	Dilution	Peak Ht	wt.	$\times 10^{-9}$ g	@ A-1242
OR 127040-1	14(WGK	5 ml	50 ml	18.0	250g	1.32	52.0 ppb
OR 127038-4	25	7 ml	3 ml	15.8	250g	1.12	< 1.9 ppb
OR 127038-3	24	7 ml	3 ml	18.0	250g	1.32	< 2.3 ppb
OR 127019-1	1	1 ml	625,000	32.1	63.63g	2.4	2.36%
OR 127019-2	2	1 ml	100,000	21.8	57.36g	1.6	0.279%
OR 127019-3	3	—	—	—	—	—	78.0 ppb

Calculation:

$$ppm = \frac{ng}{ml} \times \frac{ml \times 10^3 \; ml/ml}{g. \text{ of Sple}}$$

Log #

14) $\frac{1.32 \times 10^{-3} \times 50 \times 10^3}{5 \qquad 250} = .052 \text{ ppm} = 52.0 \text{ ppb}$

25) $\frac{1.12 \times 10^{-3} \times 3 \times 10^3}{7 \qquad 250} = .0019 \text{ ppm} = < 1.9 \text{ ppb}$

24) $\frac{1.32 \times 10^{-3} \times 3 \times 10^3}{7 \qquad 250} = .0023 \text{ ppm} = < 2.3 \text{ ppb}$

1) $\frac{2.4 \times 10^{-3} \times 625 \times 10^6}{1 \qquad 63.63} = 23.6 \times 10^3 \text{ ppm} = 2.36\%$

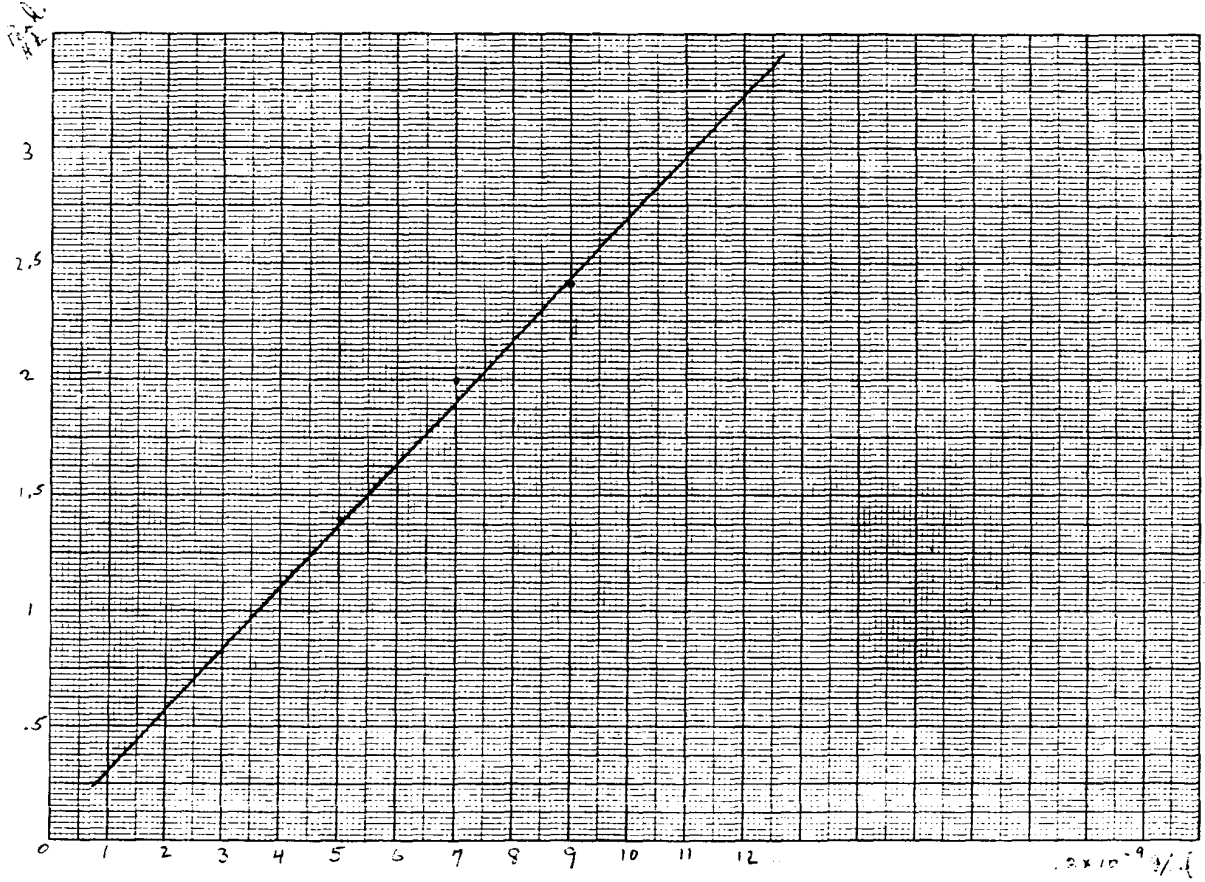
2) $\frac{1.6 \times 10^{-3} \times 100 \times 10^6}{1 \qquad 57.36} = 2.79 \times 10^3 \text{ ppm} = 0.279\%$

MONS 096564

K+E 10 X 10 TO ½ INCH 46 1322
7 X 10 INCHES
KEUFFEL & ESSER CO.

Aroclor 1242

Calibration Curve



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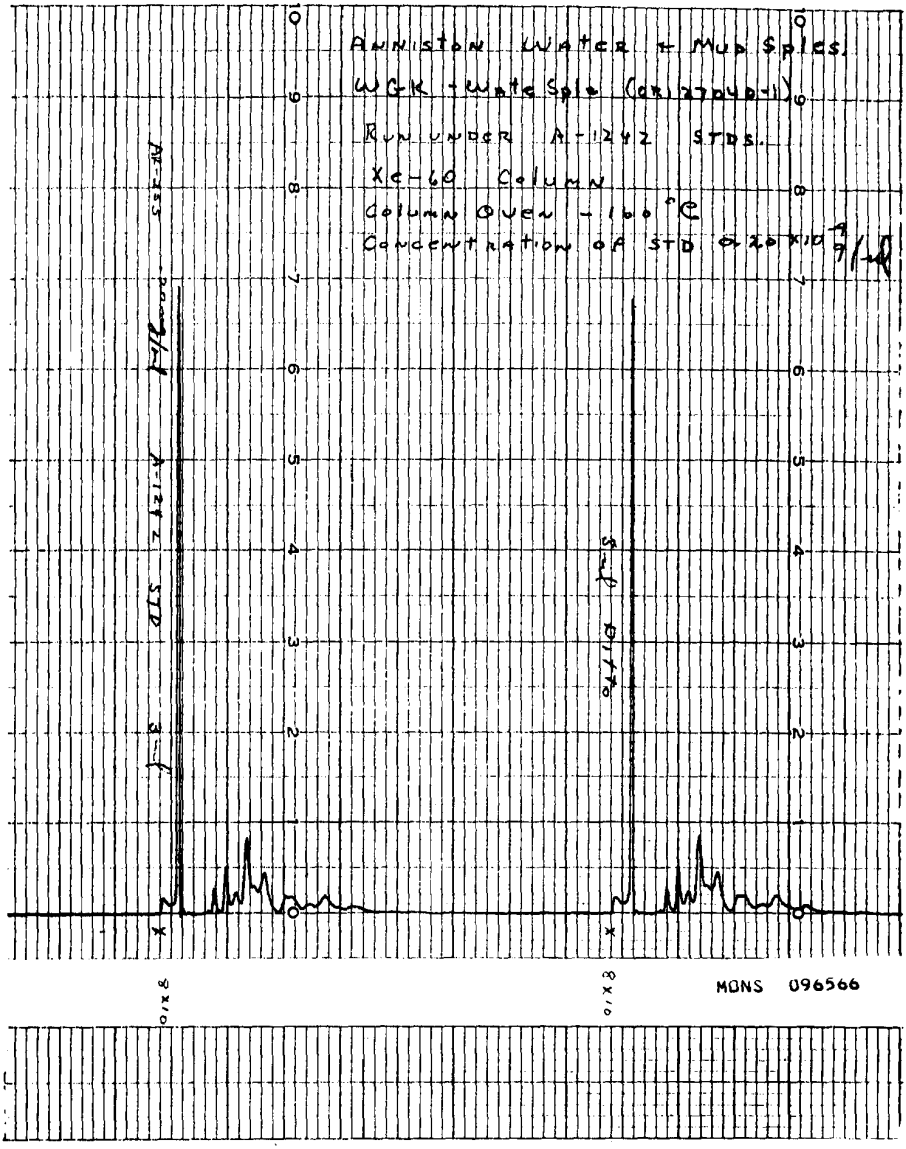
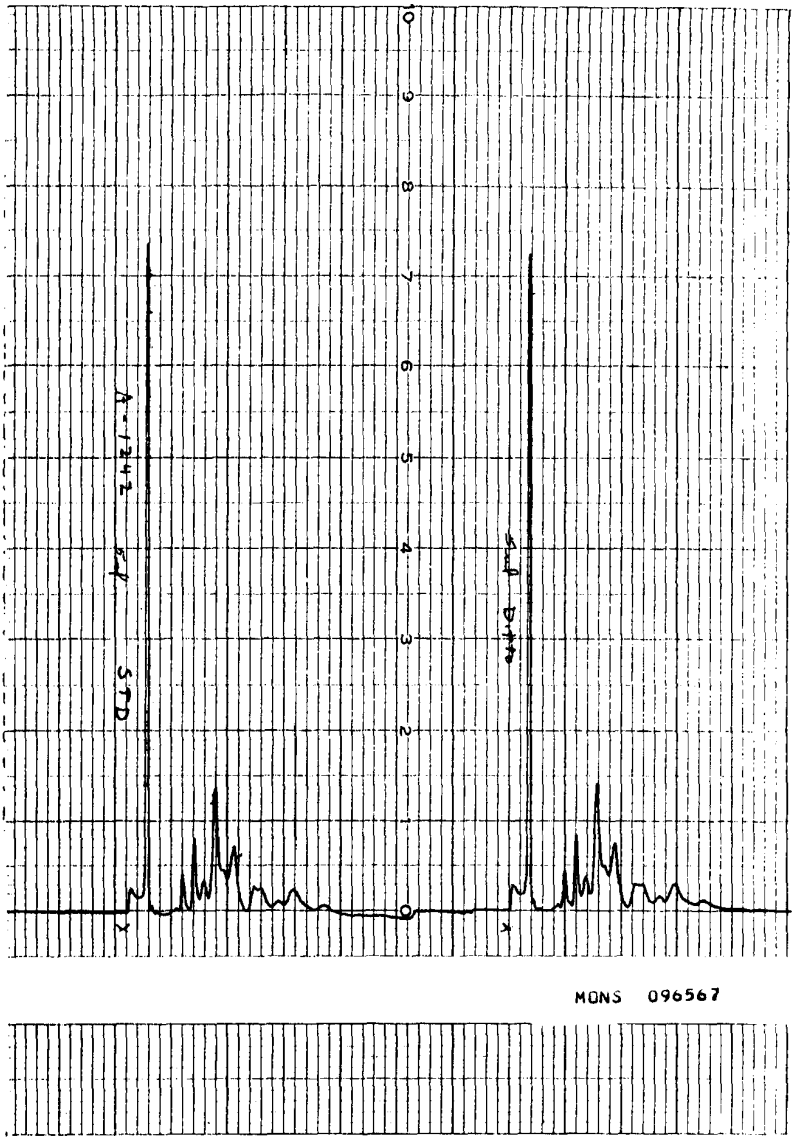

ANNISTON WATER + MUD SPLES.
WGK - WATE SPLE (OR 27040-1)
RUN UNDER A-1242 STDS.
Xe-60 COLUMN
COLUMN OVEN - 100 °C
CONCENTRATION OF STD 0.20 x10^-9 g/ml
A-1242 STD
Ditto
8x10
8x10
MONS 096566



MONS 096567

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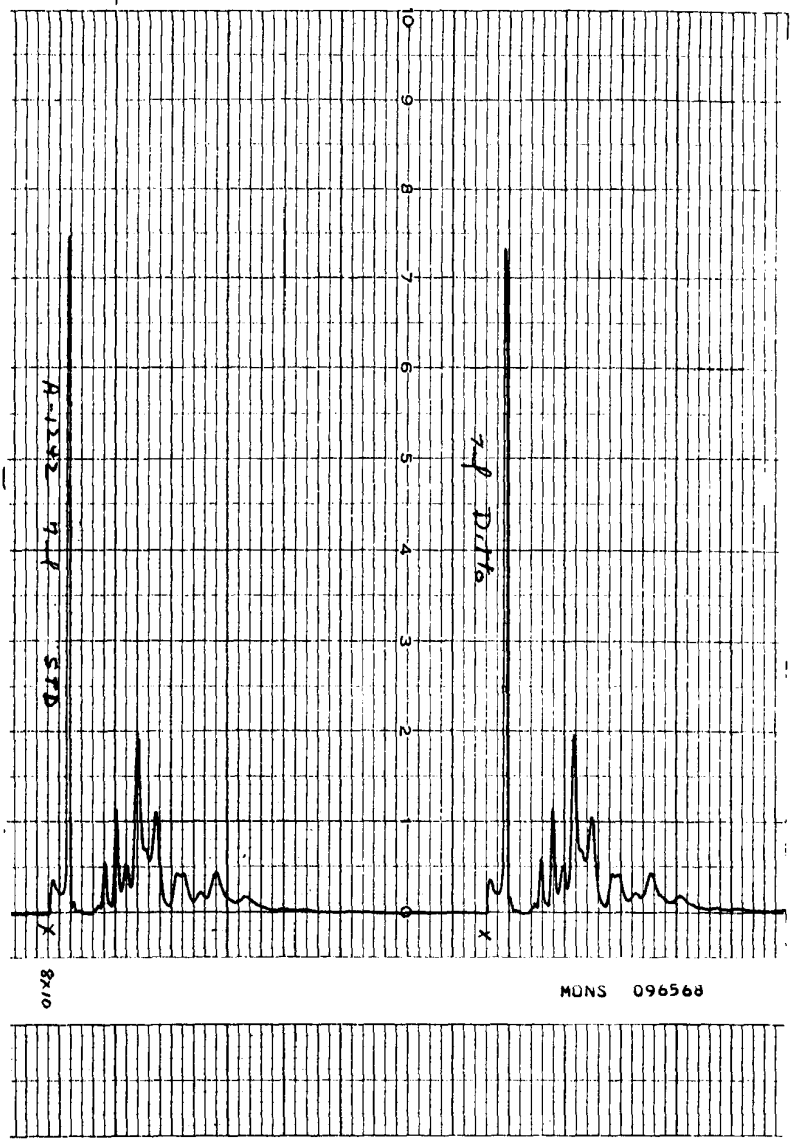
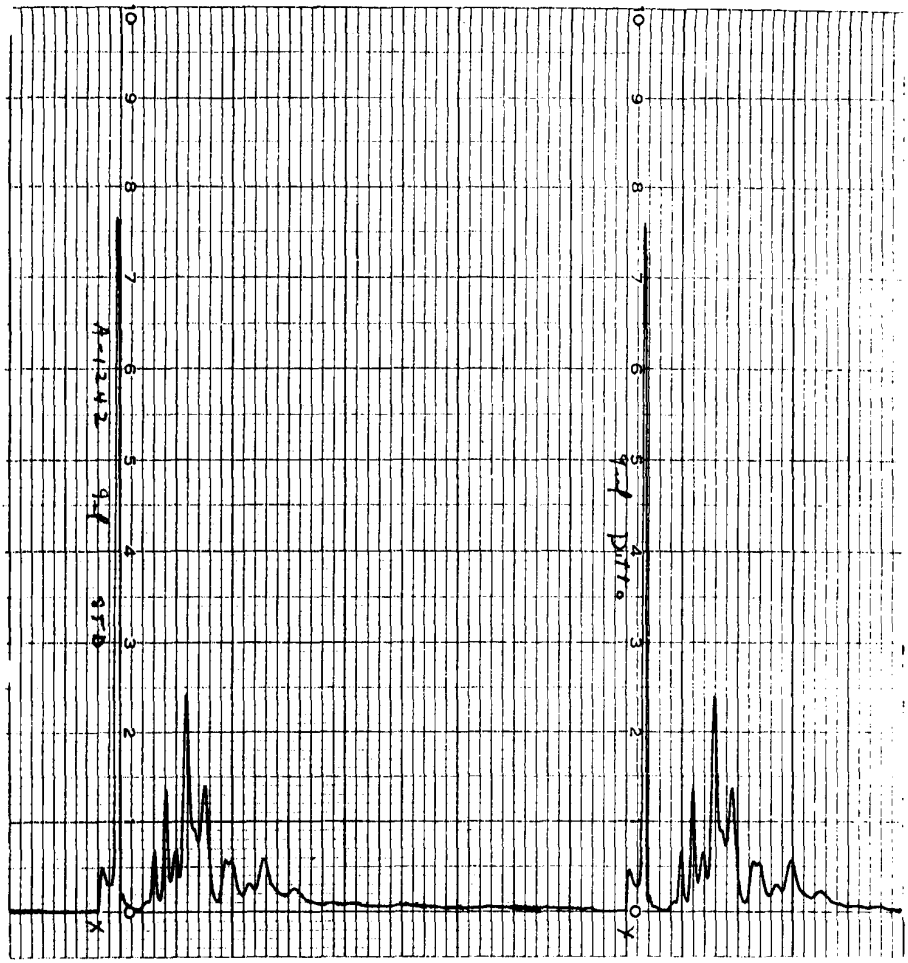


MONS 096568

6X20

RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK



MONS 096569

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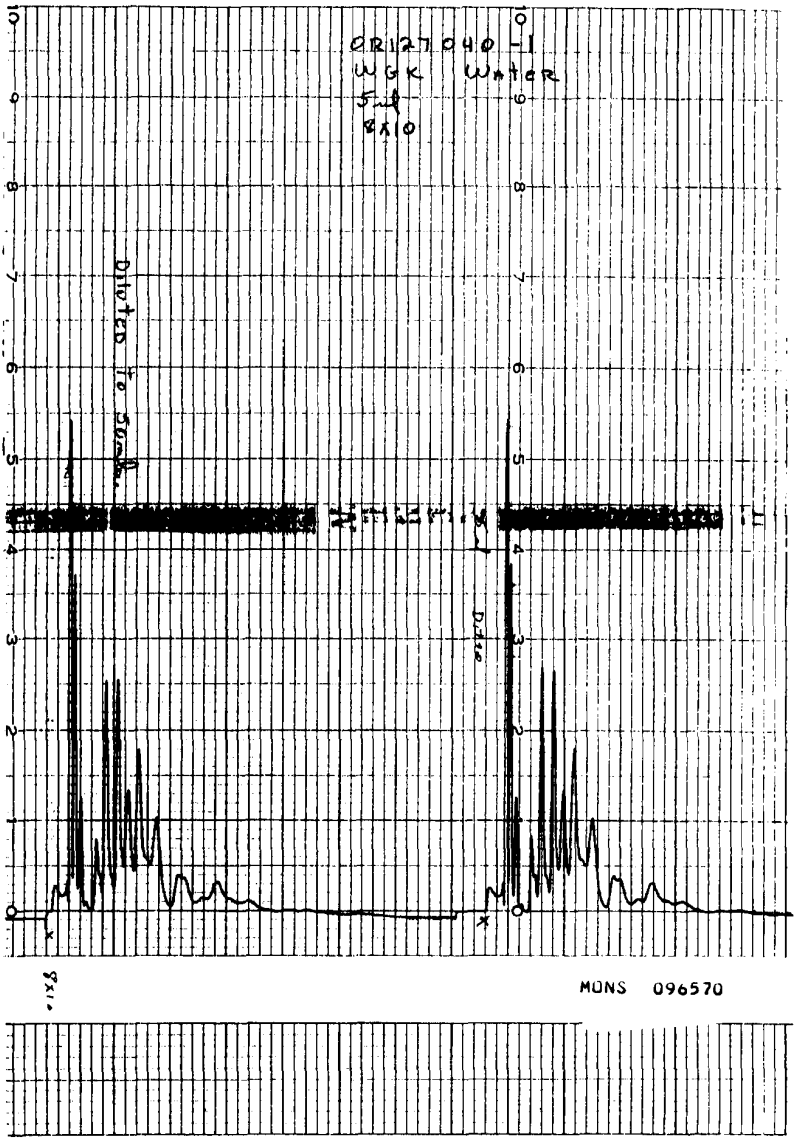

MONS 096570

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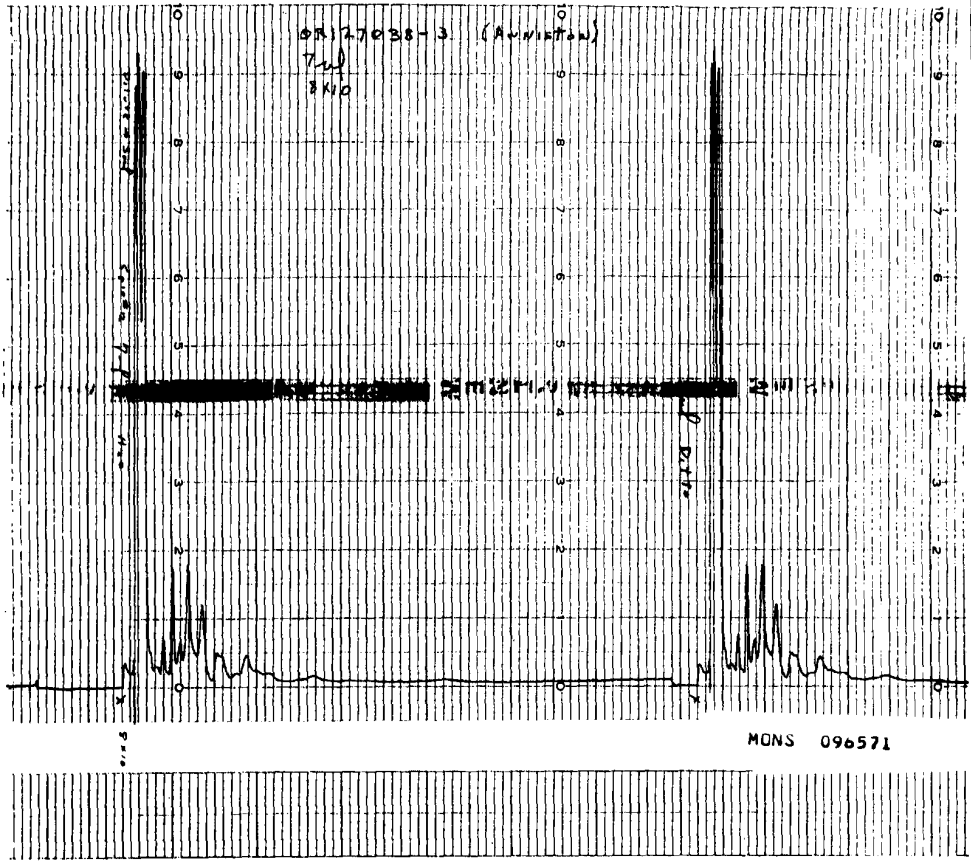

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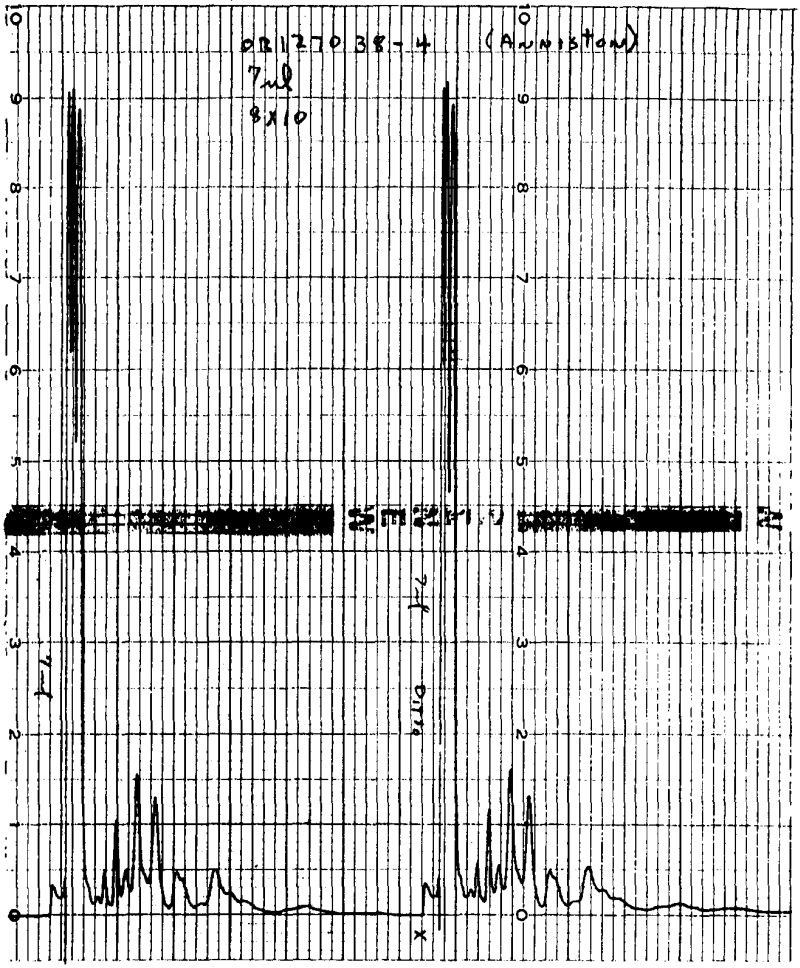

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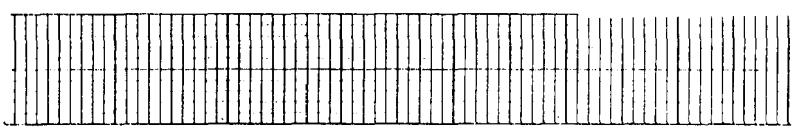

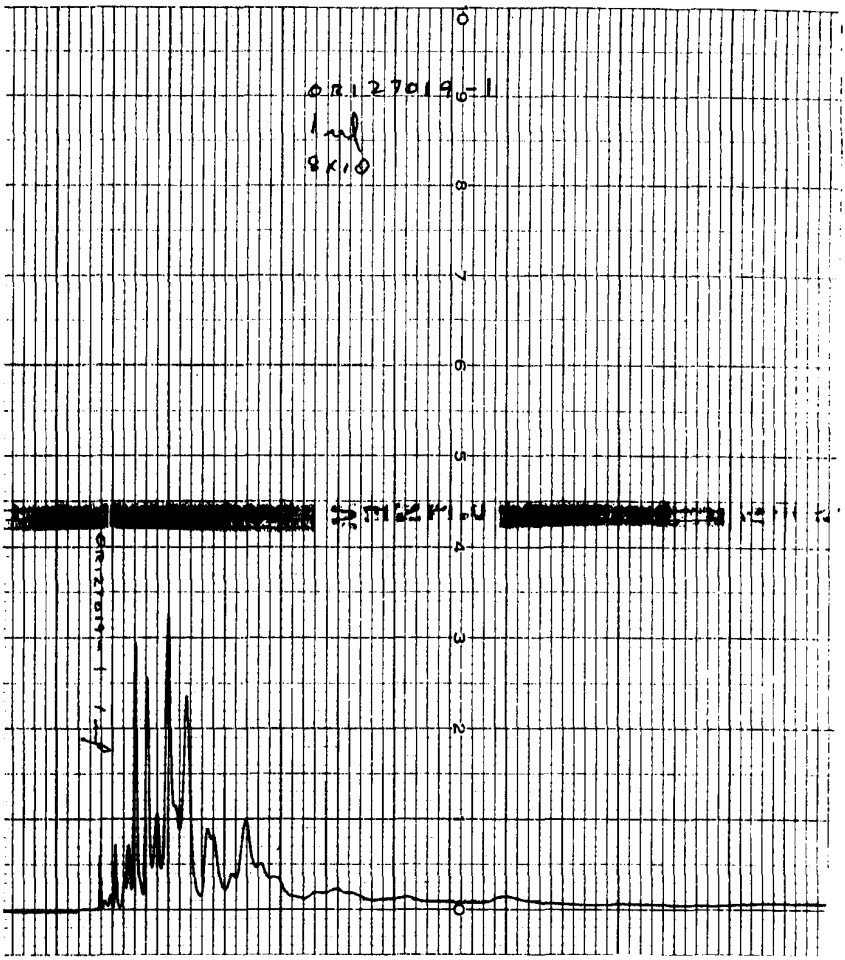

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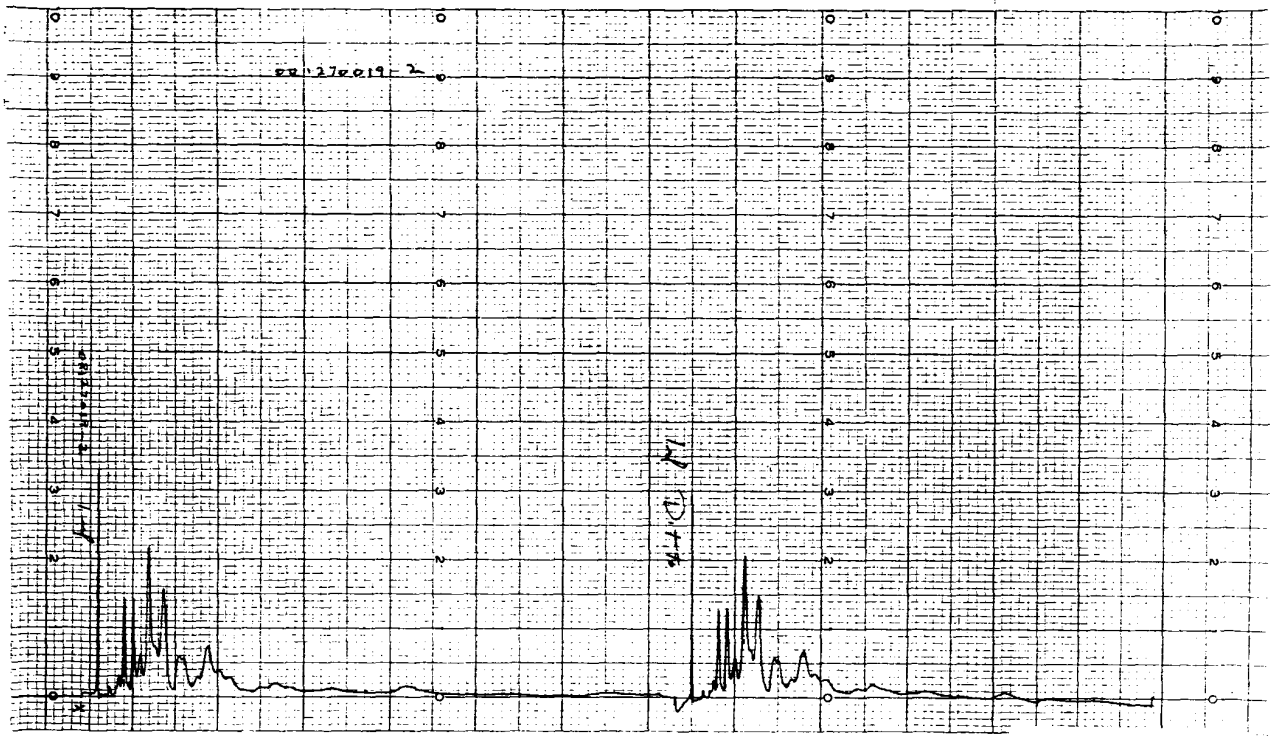
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