SPECIAL NOTE TO THE READER

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[illegible]-2-[illegible]3

FORM B-2. INITIAL CALIBRATION SUMMARY

[illegible] ID	Date	~~Time~~	Sol. ID	Peak Area (or Height) 320	322	323	328	332	334	Meas. RF Native	Mean RF	Meas. RF	Mean RF	TCDD Isomers [illegible]
			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	522	—		—		
[illegible]	[illegible]	9 [illegible]	[illegible]	[illegible]	[illegible]	—	123	724	1028	0.872	[illegible]	[illegible]	[illegible]	ICC(?)
[illegible]	[illegible]	10:05	CC2	64[illegible]	8[illegible]	—	229	721	898	0.901	[illegible]	[illegible]	[illegible]	
[illegible]	8/29/84	10:30	CC3	4812	2587	—	5[illegible]	1056	1335	0.878	[illegible]	0.962	[illegible]	
01	8/29/84	10:55	CC4	16448	14396	—	213	1028	1294	0.793	0.872	—	1.006	
01	8/29/84	11:20	CC5	2:904 [illegible]	31582	—	323	762	968	0.845	[illegible]	—	1.006	
01	8/29/84	11:45	CC1	183	229	—	140	954	1202	0.948	[illegible]	1.057	1.006	
01	8/29/84	12:10	CC2	810	971	—	232	810	1002	0.983	0.872	1.026	1.006	
01	8/29/84	12:35	CC3	4199	4915	—	450	924	1167	0.872	0.872	0.971	1.006	
01	8/29/84	13:15	CC4	16539	19392	—	207	1011	1273	0.786	0.872	—	1.006	
01	8/29/84	13:40	CC5	21794	25494	—	255	595	789	0.854	0.872	—	1.006	
01	8/29/84	14:05	CC1	104	129	—	81	528	709	0.942	0.872	1.078	1.006	
01	8/29/84	14:30	CC2	616	800	—	178	641	865	0.940	0.872	0.946	1.006	
01	[illegible]/29/84	14:55	CC3	3659	4328	—	376	844	1077	0.835	0.872	0.877	1.006	
01	8/29/84	15:25	CC4	17099	19983	—	213	1056	1328	0.778	0.872	—	1.006	
01	8/29/84	15:50	CC5	30262	35356	—	355	862	1078	0.846	0.872	—	1.006	
01	8/29/84	16:15	PC	451	534	69	200	457	567	—	0.872	0.952	1.006	7.4

Presumably the wrong PC std. ! 8/29/84 T=1405

Cannot read numbers

[illegible]
[illegible]

Solution ID Codes:

PC = Performance check solution
CC1 = Concentration calibration solution #1 = 0.2 ng/ml
CC2 = Concentration calibration solution #2 = 1.0 ng/ml
CC3 = Concentration calibration solution #3 = 5.0 ng/ml
CC4 = Concentration calibration solution #4 = 20.0 ng/ml
CC5 = Concentration calibration solution #5 = 40.0 ng/ml

Rev: 5/84

03205863

VT3.2.6.4

CT EPA Dioxin

Initial Calibration Data
(FRN 6016 - 6032)

Calib Conc #	FRN	Rf (native TCDD)	Rf $^{37}Cl_4$-TCDD
1	6017	0.872	1.069
1	6022	0.948	1.067
1	6027	0.942	1.078
1	$\bar{x}$	0.921	1.078
1	RSD	4.6%	10%
2	6018	0.901	1.040
2	6023	0.983	1.026
2	6028	0.940	0.946
2	$\bar{x}$	0.941	1.004
2	RSD	4.4%	5.1%
3	6019	0.878	0.962
3	6024	0.872	0.971
3	6029	0.835	0.877
3	$\bar{x}$	0.862	0.937
3	RSD	2.7%	5.5%
4	6020	0.793	
4	6025	0.786	
4	6030	0.778	
4	$\bar{x}$	0.786	
4	RSD	0.9%	
5	6021	0.845	
5	6022	0.854	
5	6023	0.846	
5	$\bar{x}$	0.848	
5	RSD	0.6%	

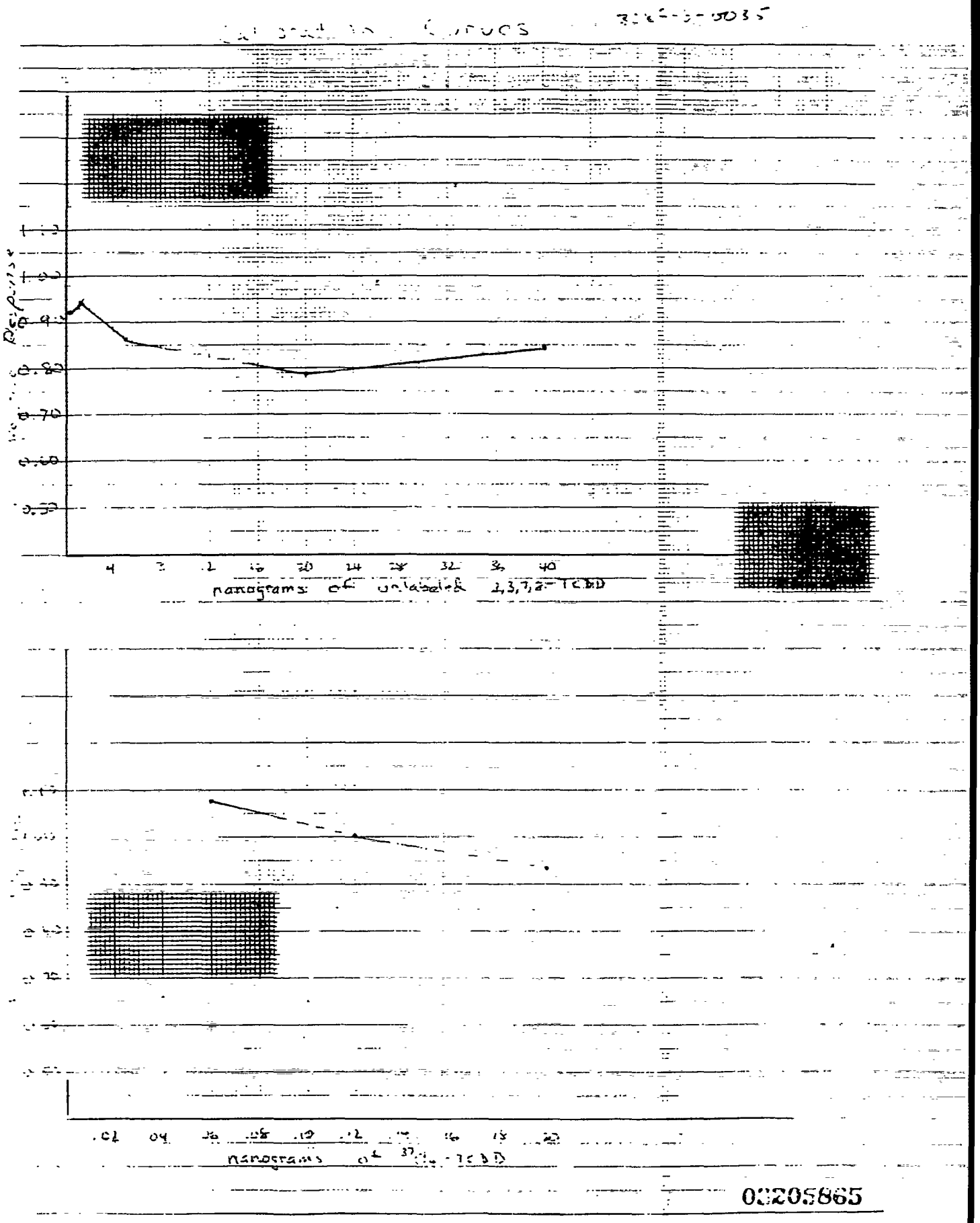
= 1.006

Co

Cod By

03205864

8/3/94



46 1516

00205865

FORM B-3. CONTINUING CALIBRATION SUMMARY

S D	Date	Time	Sol. ID	Peak Area (or Height) 320	322	323	328	332	334	Meas. RF Native	Mean RF Native	Meas. RF Surr.	Mean RF Surr.	TCDD Isomers Resolut'ns
P1	9/17/84	5:30	PC	66	80	14	80	175	206	—	0.872	1.037	1.006	9.5
21	9/17/84	10:10	CC1	48	67	—	30	272	331	0.454	0.872		1.006	
31	9/17/84	14:35	PC	101	117	17	138	240	293	—	0.872	1.009	1.006	8.3
41	9/18/84	8:35	PC	95	122	23	114	250	295	—	0.872	1.037	1.006	9.9
51	9/18/84	9:15	CC1	90	127	—	79	538	636	0.948	0.872		1.006	
61	9/18/84	16:35	PC	75	97	12	86	154	216		0.872	1.063	1.006	8.6
71	9/19/84	9:55	PC	89	120	22	97	226	280	—	0.872	0.959	1.006	8.8
81	9/19/84	13:35	CC1	73	91	—	53	389	478	0.946	0.872		1.006	
91	9/19/84	15:35	PC	90	105	13	96	236	254	—	0.872	1.033	1.006	8.2
P1	9/20/84	9:40	PC	50	62	11	66	140	178	—	0.872	1.022	1.006	12.9
21	9/20/84	13:15	CC1	54	80	26	49	327	435	0.868	0.872		1.006	
31	9/20/84	15:15	PC	58	68	13	75	161	208	—	0.872	1.003	1.006	7.3
41	9/21/84	9:40	PC	74	91	15	92	210	248	—	0.872	0.993	1.006	8.3
51	9/21/84	13:25	CC1	62	72	—	43	323	413	0.908	0.872		1.006	
P1	9/24/84	10:50	PC	132	124	17	110	249	336	—	0.872	0.949	1.006	9.1
P1	9/26/84	8:55	PC	36	51	8	44	91	117	—	0.872	1.056	1.006	9.5
21	9/26/84	9:45	CC1	43	53	—	43	279	349	0.920	0.872		1.006	
										—				

Solution ID Codes:

PC = Performance check solution
CC1 = Concentration calibration solution #1 = 0.2 ng/ml
CC2 = Concentration calibration solution #2 = 1.0 ng/ml
CC3 = Concentration calibration solution #3 = 5.0 ng/ml
CC4 = Concentration calibration solution #4 = 20.0 ng/ml
CC5 = Concentration calibration solution #5 = 40.0 ng/ml

Rev: 5/84

FORM B-4. TCDD DATA REPORT - PARTIAL SCAN CONFIRMATION

Sample No.	Response Ratios					% Relative Abundances (relative to m/e 322)							
	320/322	320/324	257/322	257/259	194/196	160	161	194	196	257	259	320	322	324
003601	.73	1.56	.55	1.30	1.08	20.7	34.0	59.3	48.0	70.0	41.3	83.3	100.0	64.7

QUALITY CONTROL SUMMARY

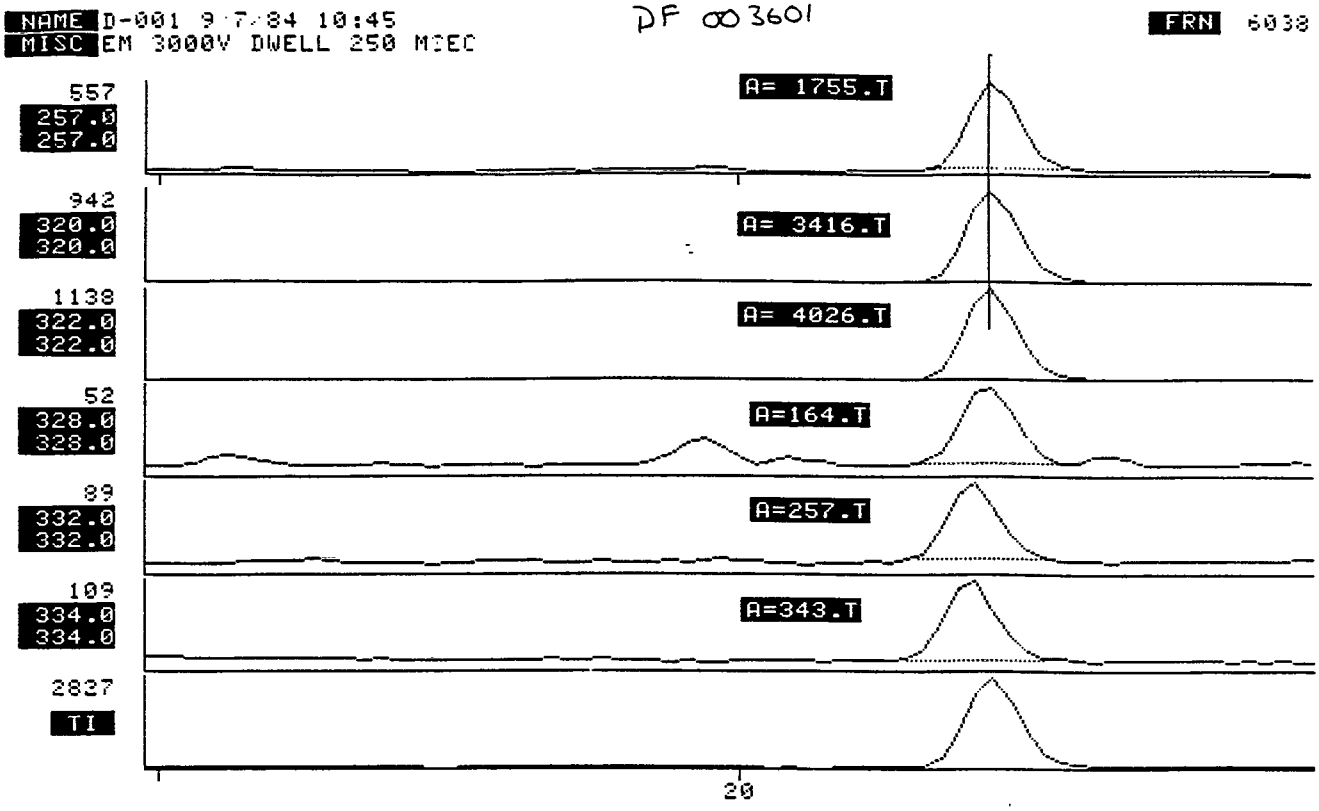
Mean Accuracy, Surrogate Measurements: 103 No. of Data Points: 30

Accuracy, Fortified/Spike Field Blank: 103.9 Sample No. DF-003601

Relative Difference(%), Duplicate Analysis: 0.31 Sample No. DF-003620

Rev: 5/84

Case 3089-6-0003
DF 003601



AREA TABLE ENTRIES: FRN 6038

Entry	Time	Mass	Area	%
1	20.5	257.0	1755.	43.6 ✓
2	20.5	320.0	3416.	84.9 ✓
3	20.5	322.0	4026.	100.0
4	20.4	328.0	164.	4.1
5	20.4	332.0	257.	6.4
6	20.4	334.0	343.	8.5

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6038

Entry	Time	Mass	Area	%
1	20.5	257.0	1755.	511.6
2	20.5	320.0	3416.	995.9
3	20.5	322.0	4026.	1173.7
4	20.4	328.0	164.	47.9
5	20.4	332.0	257.	74.9
6	20.4	334.0	343.	100.0

CALCULATE % ON ENTRY #:

$m/z\ 328^{T} = m/z\ 328 - (.009 \times m/z\ 322)$

2,3,7,8-TCDD $C_x = \frac{7442 \times 50}{600 \times 0.872 \times 10.09} = 70.5\ \mu g/R_g$

$^{37}Cl_4$-TCDD $C_x = \frac{128 \times 50}{600 \times 1.006 \times 10.09} = 1.051\ \mu g/R_g$

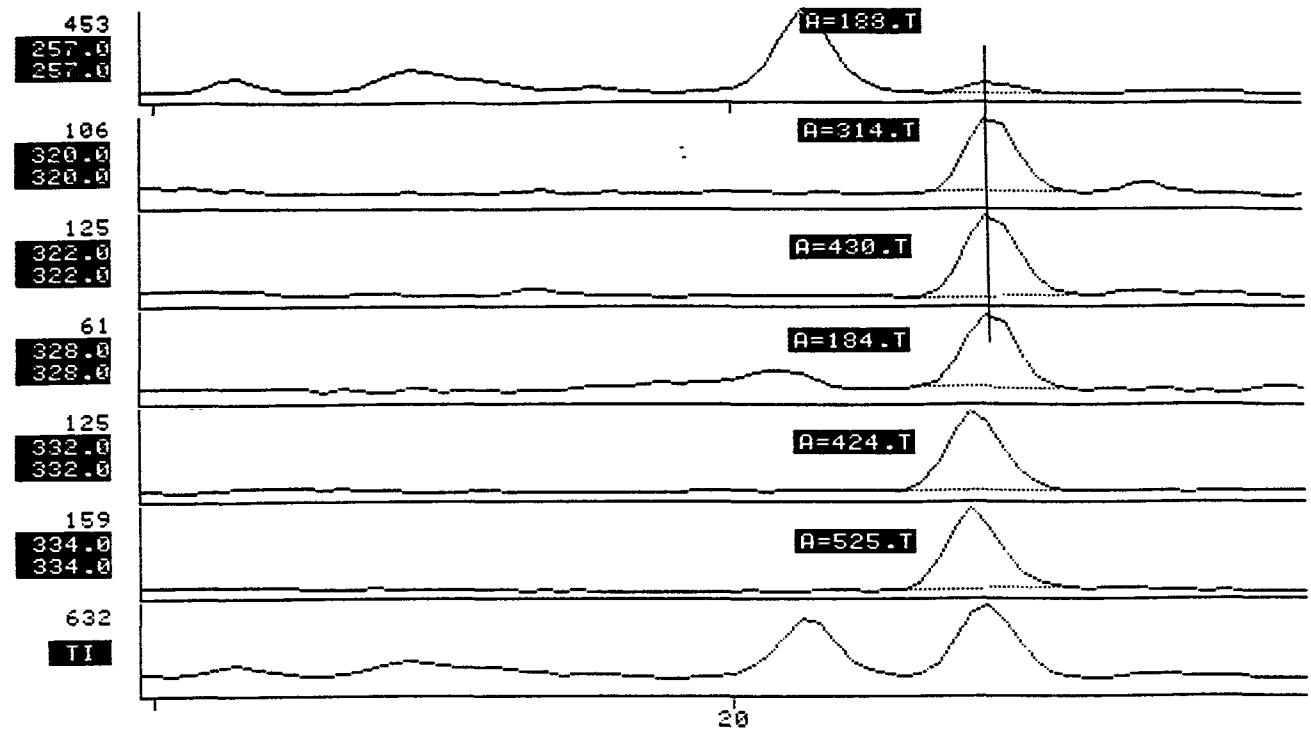
$\frac{10.60\ ng}{10\ ng} \times 100 = 106\ \%$

03205868

Case 3089-6.0004
DF 003602

NAME D-002 9/7/84 11:25
MISC EM 3000V DWELL 250 MSEC

FRN 6039



AREA TABLE ENTRIES: FRN 6039

Entry	Time	Mass	Area	%
1	20.5	257.0	188.	43.7
2	20.5	320.0	314.	73.0
3	20.5	322.0	430.	100.0
4	20.5	328.0	184.	42.9
5	20.4	332.0	424.	98.7
6	20.4	334.0	525.	122.3

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6039

Entry	Time	Mass	Area	%
1	20.5	257.0	188.	35.7
2	20.5	320.0	314.	59.7
3	20.5	322.0	430.	81.8
4	20.5	328.0	184.	35.0
5	20.4	332.0	424.	80.7
6	20.4	334.0	525.	100.0

CALCULATE % ON ENTRY #:

$$C_A = \frac{(314+430)\times 50}{(424+525)\times 0.612\times 9.99} = 4.50\ \mu g/kg$$

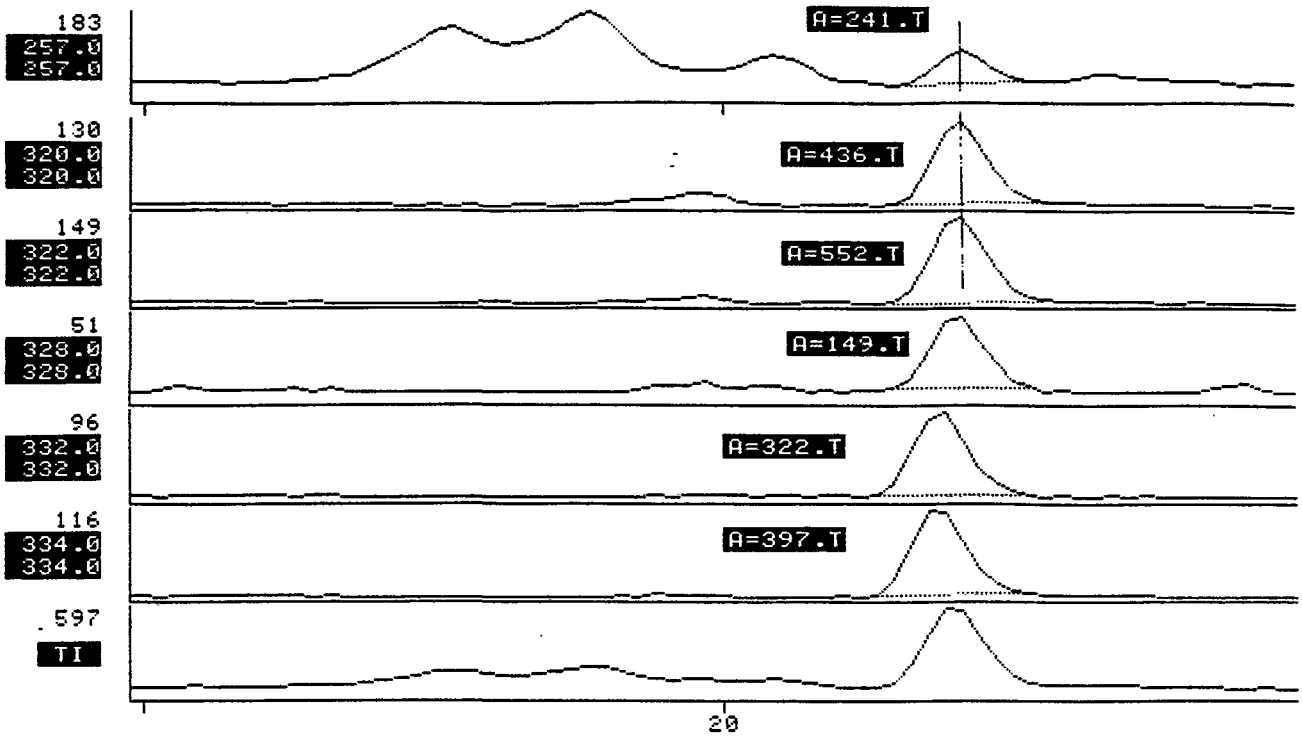
$$C_S = \frac{180\times 50}{(424+525)\times 1.006\times 9.99} = 0.944\ g/kg$$

$$\frac{9.43\ ng}{10\ ng}\times 100 = 94\ \%$$

00205869

Case 3089-6 0005
DF 003603

NAME D-003 9/7/84 11:55
MISC EM 3000V DWELL 250 MSEC
FRN 6040



AREA TABLE ENTRIES: FRN 6040

Entry	Time	Mass	Area	%
1	20.4	257.0	241.	43.7
2	20.4	320.0	436.	79.0
3	20.4	322.0	552.	100.0
4	20.4	328.0	149.	26.9
5	20.4	332.0	322.	58.3
6	20.4	334.0	397.	72.0

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6040

Entry	Time	Mass	Area	%
1	20.4	257.0	241.	60.8
2	20.4	320.0	436.	109.8
3	20.4	322.0	552.	138.9
4	20.4	328.0	144 149.	37.4
5	20.4	332.0	322.	81.0
6	20.4	334.0	397.	100.0

CALCULATE % ON ENTRY #:

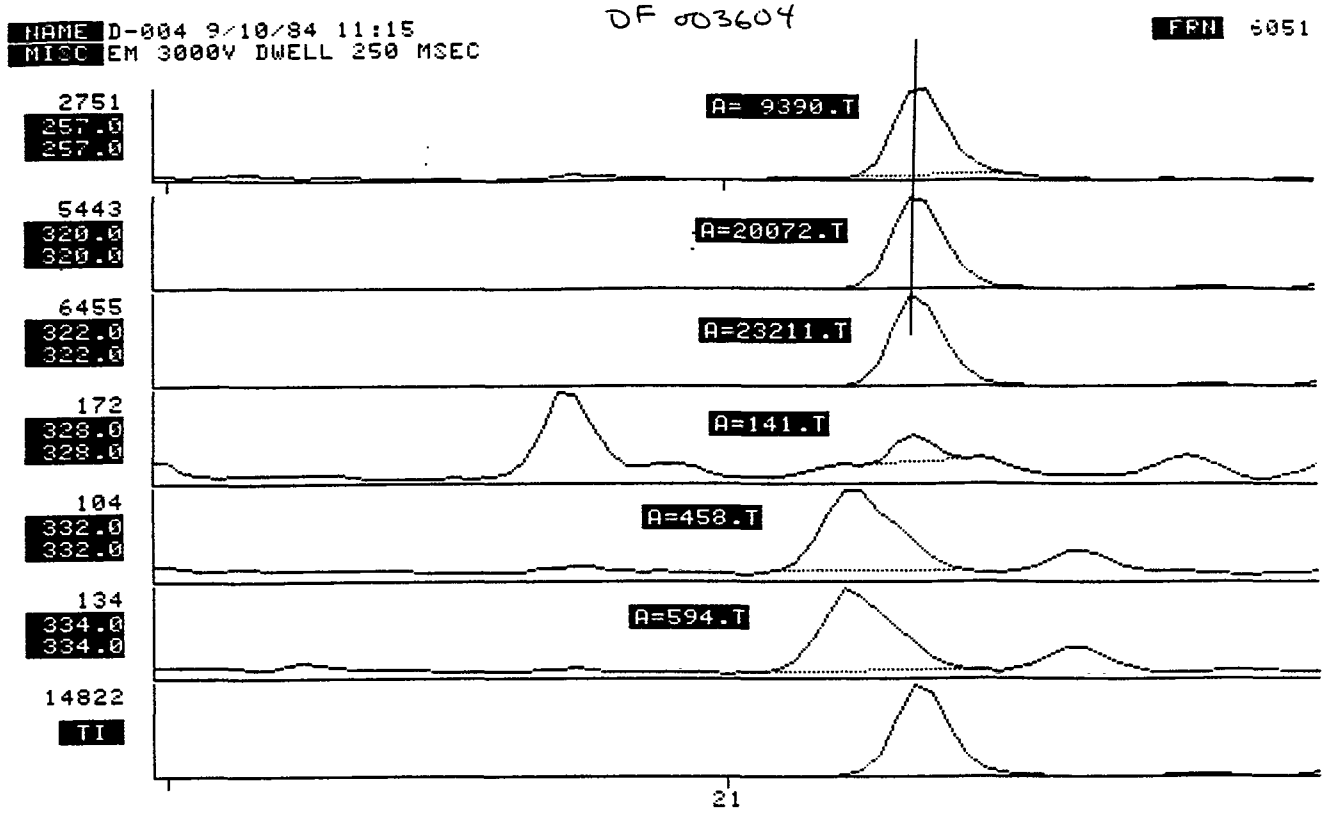
C_x (PO 9/19/84) $= \dfrac{(436 + 552) \times 50}{(322 + 397) \times 0.872 \times 10.09} = 7.81$ µg/Kg

$C_s = \dfrac{144 \times 50}{(322 + 397) \times 1.006 \times 10.09} = 0.987$ µg/Kg

$\dfrac{9.96\,\mu g}{10\,\mu g} \times 100 = 100\%$

03205870

Case 3089-6-0006
DF 003604



AREA TABLE ENTRIES: FRN 6051

Entry	Time	Mass	Area	%
1	21.4	257.0	9390.	40.5
2	21.3	320.0	20072.	86.5
3	21.3	322.0	23211.	100.0
4	21.3	328.0	141.	.6
5	21.2	332.0	458.	2.0
6	21.2	334.0	594.	2.6

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6051

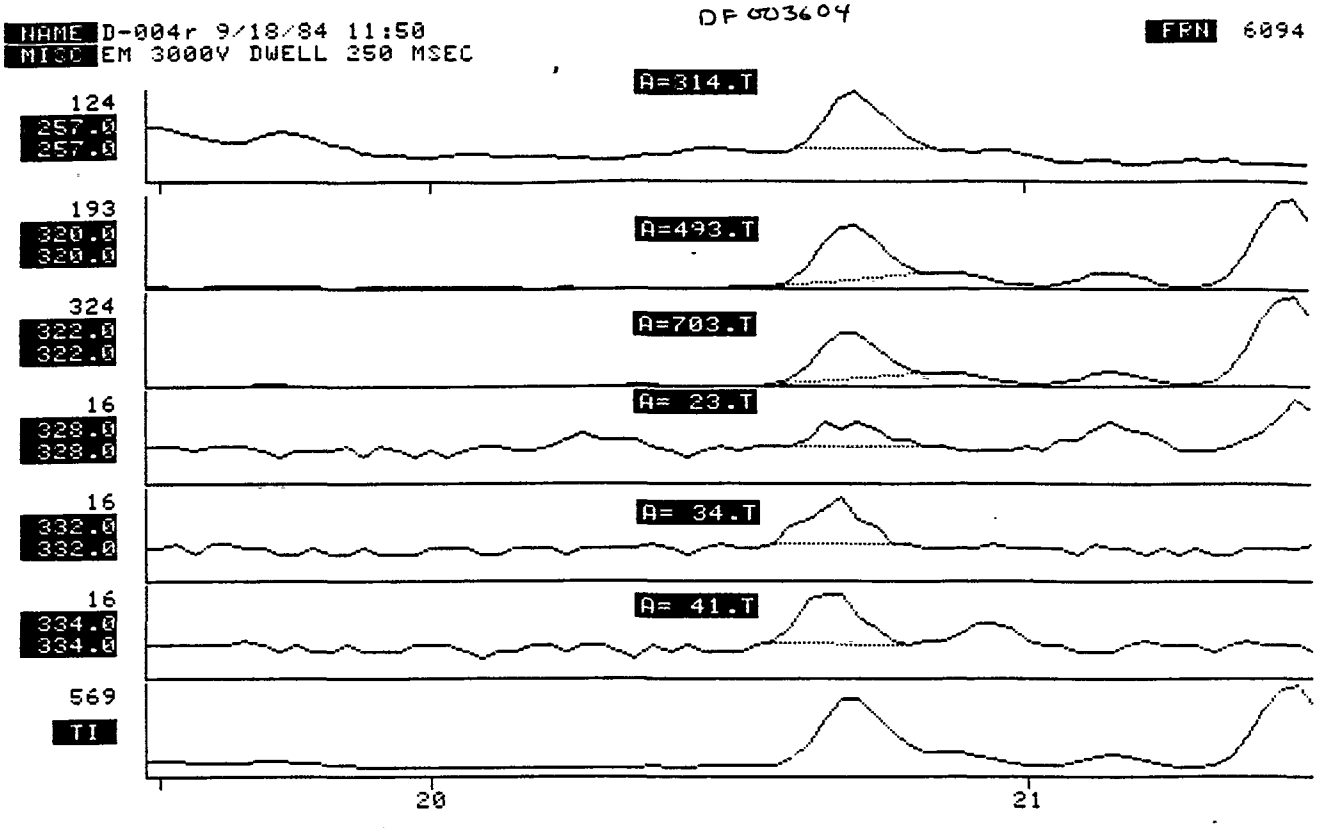
Entry	Time	Mass	Area	%
1	21.4	257.0	9390.	1581.4
2	21.3	320.0	20072.	3380.4
3	21.3	322.0	23211.	3909.1
4	21.3	328.0	141.	23.8
5	21.2	332.0	458.	77.1
6	21.2	334.0	594.	100.0

CALCULATE % ON ENTRY #:

$$C_x = \frac{(20072 + 23211) \times 50}{(458 + 594) \times 0.812 \times 10.18} = 232\ \mu g/kg$$ - Re-analysis required

$C_s =$

Case 3089-6-0006
DF003604



AREA TABLE ENTRIES: FRN 6094

Entry	Time	Mass	Area	%
1	20.7	257.0	314.	44.7 ✓
2	20.7	320.0	493.	70.1 ✓
3	20.7	322.0	703.	100.0
4	20.7	328.0	23.	3.3
5	20.7	332.0	34.	4.8
6	20.7	334.0	41.	5.9

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6094

Entry	Time	Mass	Area	%
1	20.7	257.0	314.	764.4
2	20.7	320.0	493.	1198.5
3	20.7	322.0	703.	1708.5
4	20.7	328.0	17 23.	56.8
5	20.7	332.0	34.	81.8 ✓
6	20.7	334.0	41.	100.0

CALCULATE % ON ENTRY #:

$$C_x = \frac{(493 + 703) \times 50}{(34+41) \times 0.872 \times 1.00} = 914 \text{ µg/kg}$$

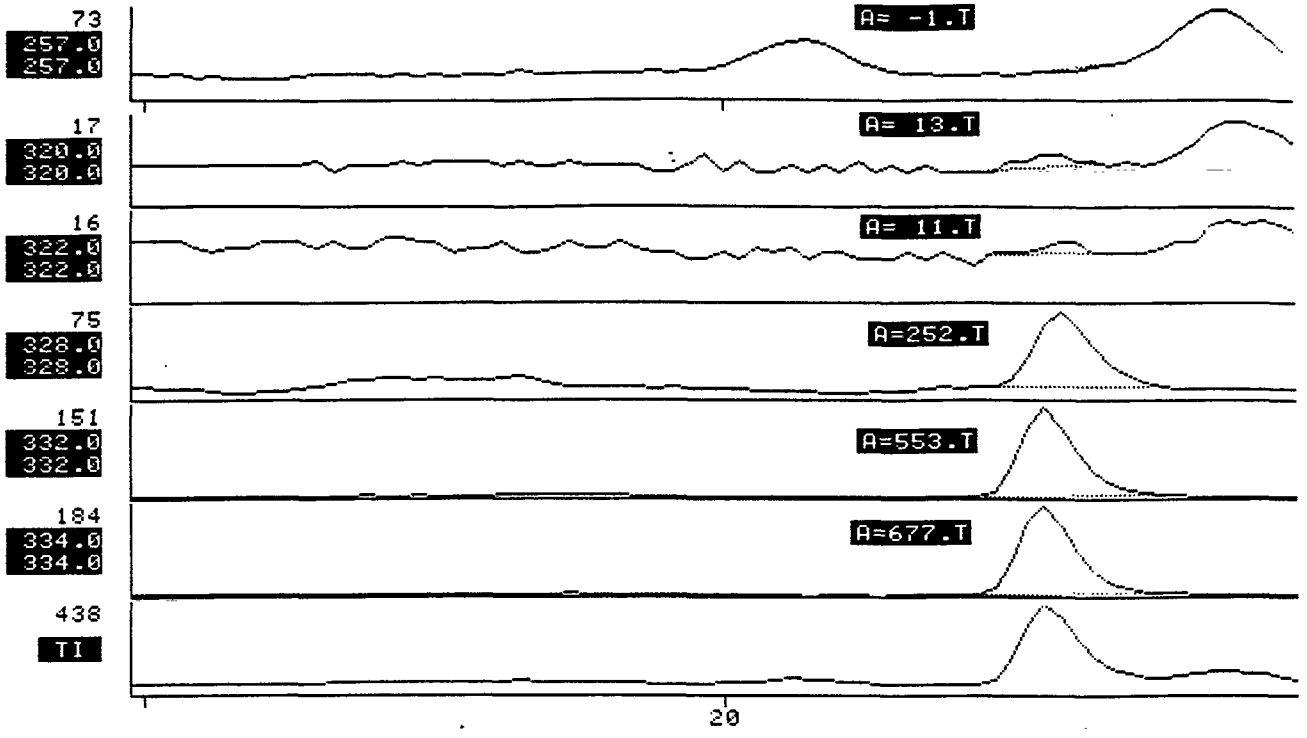
$$C_s = \frac{17 \times 50}{(34+41) \times 1.006 \times 1.00} = 11.27 \text{ µg/kg}$$

$$\frac{11.3 \text{ ng}}{10 \text{ ng}} = 113\%$$

03205872

Case 3089-6-0007

NAME D-005 9/10/94 10:45 DF 003605 FRN 6050
MISC EM 3000V DWELL 350 MSEC



AREA TABLE ENTRIES: FRN 6050

Entry	Time	Mass		Area	%
1	20.6	257.0		-1.	-.1
2	20.6	320.0		13.	1.9
3	20.6	322.0		11.	1.6
4	20.6	328.0	252	252.	37.2
5	20.6	332.0		553.	81.7
6	20.6	334.0		677.	100.0

CALCULATE % ON ENTRY #:

$$C_E = \frac{2.5 \times 11 \times 50}{677 \times 0.872 \times 9.95} = 0.23\ \mu g/kg \text{ - EDL}$$

$$C_S = \frac{252 \times 50}{(553+677) \times 1.006 \times 9.95} = 1.02\ \mu g/kg$$

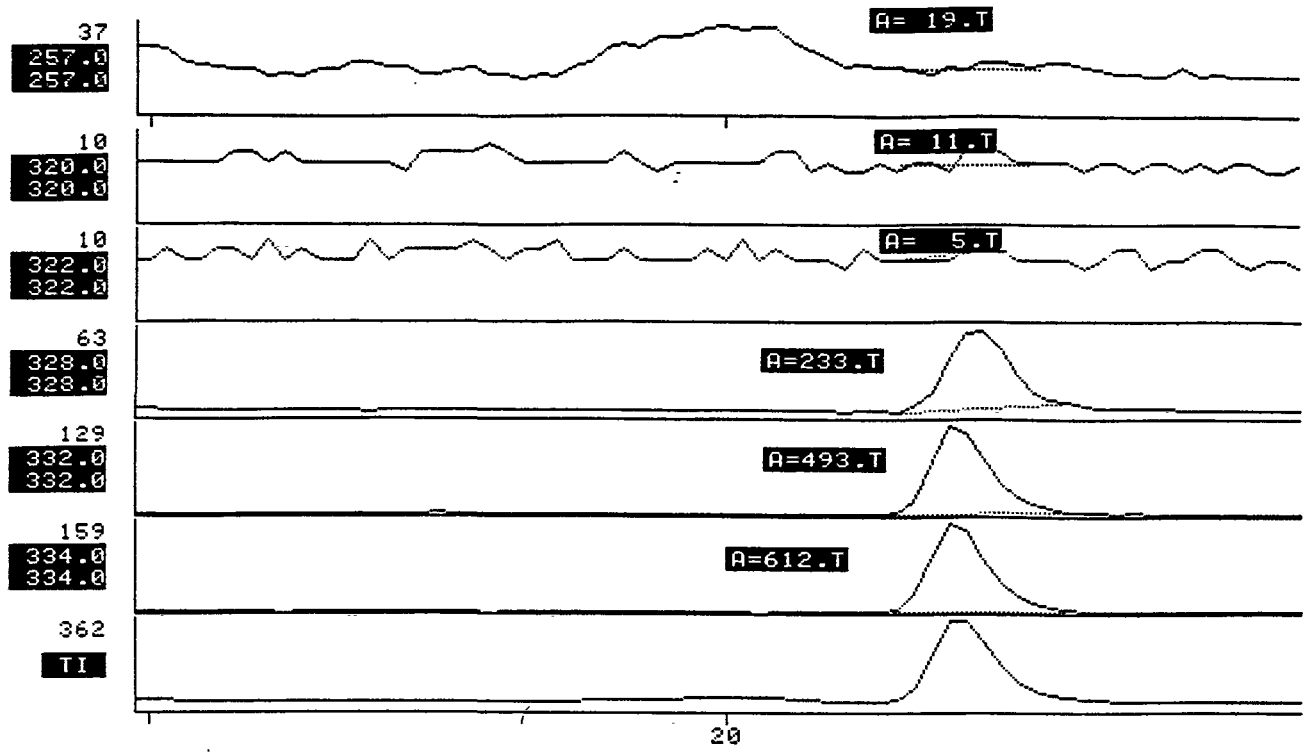
$$\frac{10.15\ \mu g}{10\ \mu g} \times 100 = 102\%$$

Case 3089-6-~~0006~~ 0005 DO 6/19/84

DF 003606

NAME D-006 9 7/84 13:15
MISC EM 3000V DWELL 250 MSEC

FRN 6043



AREA TABLE ENTRIES: FRN 6043

Entry	Time	Mass		Area	%
1	20.4	257.0		19.	3.1
2	20.4	320.0		11.	1.8
3	20.4	322.0		5.	.8
4	20.4	328.0	233	233.	38.0
5	20.4	332.0		493.	80.4
6	20.4	334.0		612.	100.0

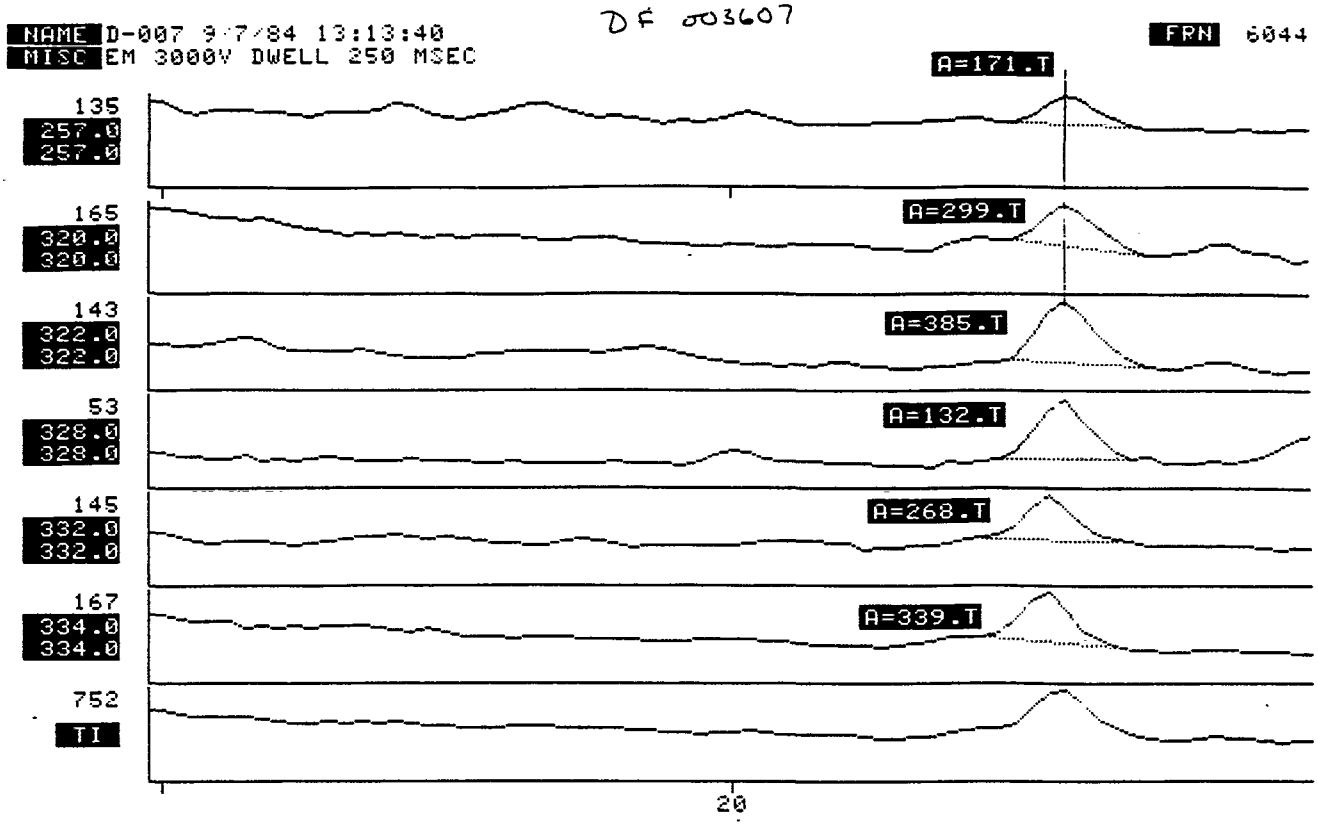
CALCULATE % ON ENTRY #:

$$C_E = \frac{2.5 \times 5 \times 50}{612 \times 0.872 \times 9.98} = 0.12 \text{ µg/kg} - \text{EDL}$$

$$C_S = \frac{233 \times 50}{(493 + 612) \times 1.006 \times 9.98} = 1.05 \text{ µg/kg}$$

$$\frac{10.48 \text{ mg}}{10 \text{ mg}} \times 100 = 105\%$$

Case 3089-6-0009
DF 003607



AREA TABLE ENTRIES: FRN 6044

Entry	Time	Mass	Area	%
1	20.6	257.0	171.	44.5
2	20.6	320.0	299.	77.8
3	20.6	322.0	385.	100.0
4	20.6	328.0	132.	34.2
5	20.5	332.0	268.	69.7
6	20.5	334.0	339.	88.0

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6044

Entry	Time	Mass	Area	%
1	20.6	257.0	171.	50.5
2	20.6	320.0	299.	88.4
3	20.6	322.0	385.	113.6
4	20.6	328.0	132.	38.9
5	20.5	332.0	268.	79.2
6	20.5	334.0	339.	100.0

129 ~~129~~ 00 916164

CALCULATE % ON ENTRY #:

$$C_r = \frac{(299 + 385) \times 50}{(268 + 339) \times 0.872 \times 9.94} = 6.500 \ \mu g/Kg$$

$$C_s = \frac{129 \times 50}{(268 + 339) \times 1.006 \times 9.94} = 1.063 \ \mu g/Kg$$

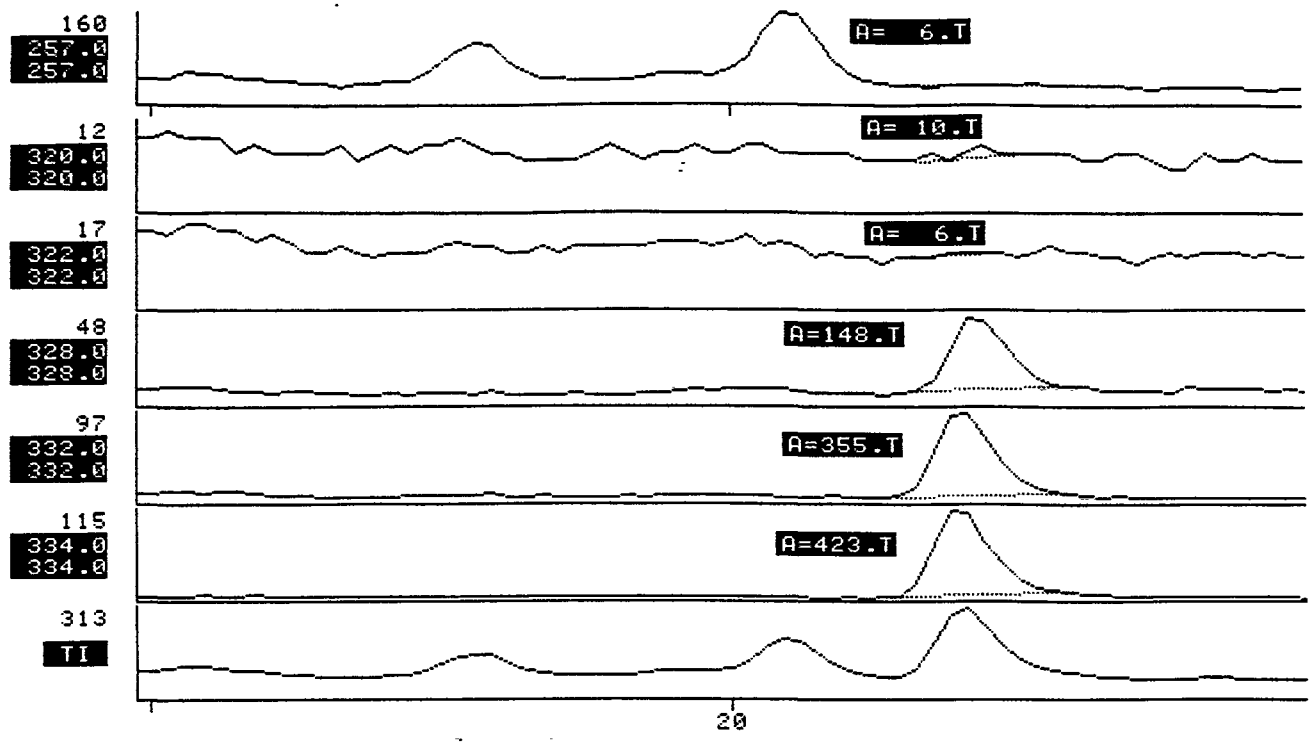
$1.063 \ \mu g/Kg \times 0.00994 \ Kg = 10.57 \ ng$

$10.57 \ ng \times \ldots = \ldots$

03205875

Case 3089-6-0010
RB

NAME REAGENT BLANK 9/7/84 14:05 FRN 6045
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6045

Entry	Time	Mass	Area	%
1	20.5	257.0	6.	1.5
2	20.4	320.0	10.	2.3
3	20.4	322.0	6.	1.5
4	20.5	328.0	148.	35.1
5	20.4	332.0	355.	83.9 ✓
6	20.4	334.0	423.	100.0

CALCULATE % ON ENTRY #:

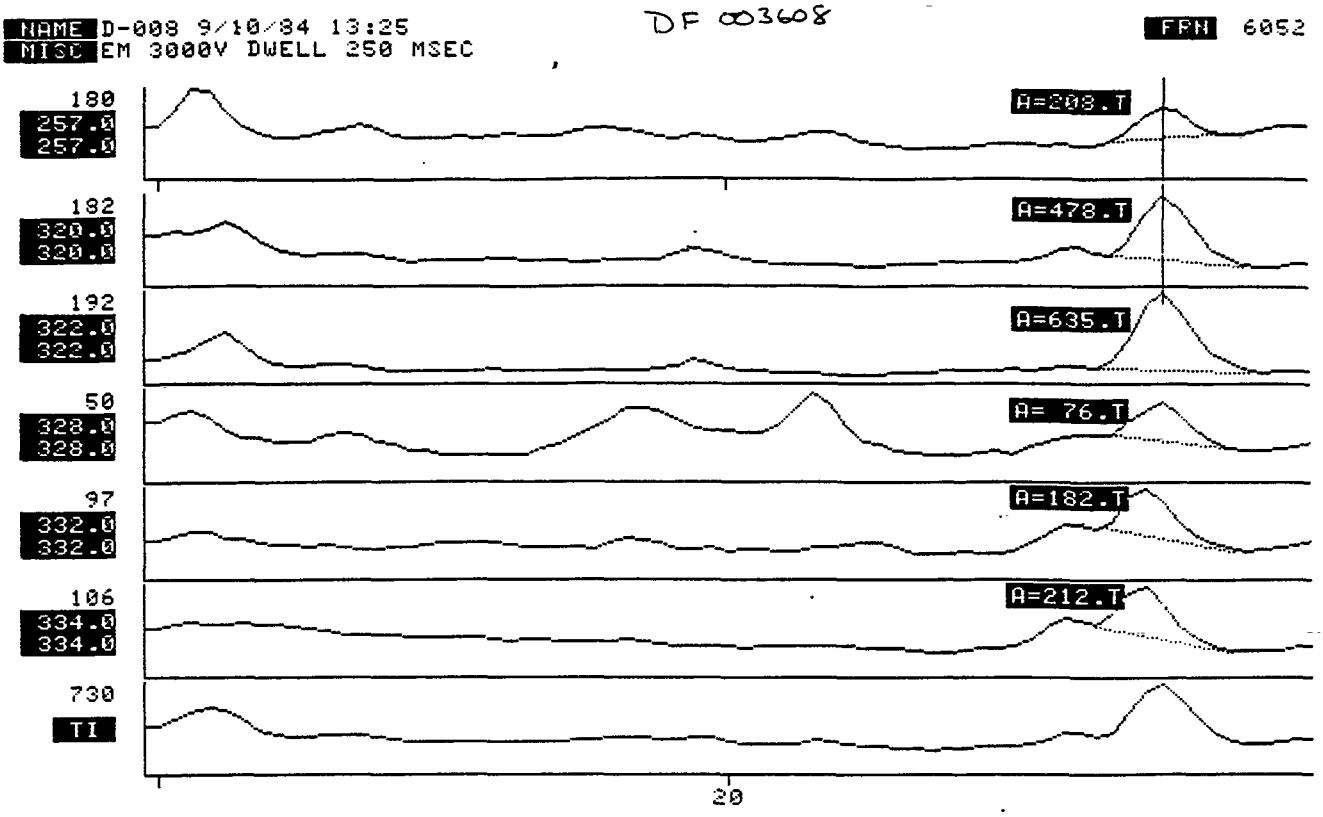
$$C_E = \frac{2.5 \times 6 \times 50}{423 \times 0.872 \times 10} = 0.203 \text{ µg/Kg} - \text{EDL}$$

$$C_S = \frac{148 \times 50}{(355 + 423) \times 1.06 \times 10} = 0.945 \text{ µg/Kg}$$

$$\frac{9.45 \text{ µg}}{10. \text{ µg}} \times 100 = 95\%$$

03205876

Case 3089-6-0011
DF 003608



AREA TABLE ENTRIES: FRN 6052

Entry	Time	Mass	Area	%
1	20.7	257.0	208.	32.7
2	20.8	320.0	478.	75.2
3	20.7	322.0	635.	100.0
4	20.7	328.0	76.	11.9
5	20.7	332.0	182.	28.7
6	20.7	334.0	212.	33.4

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6052

Entry	Time	Mass	Area	%
1	20.7	257.0	208.	98.1
2	20.8	320.0	478.	225.3
3	20.7	322.0	635.	299.8
4	20.7	328.0	70 76.	35.8
5	20.7	332.0	182.	85.9
6	20.7	334.0	212.	100.0

CALCULATE % ON ENTRY #:

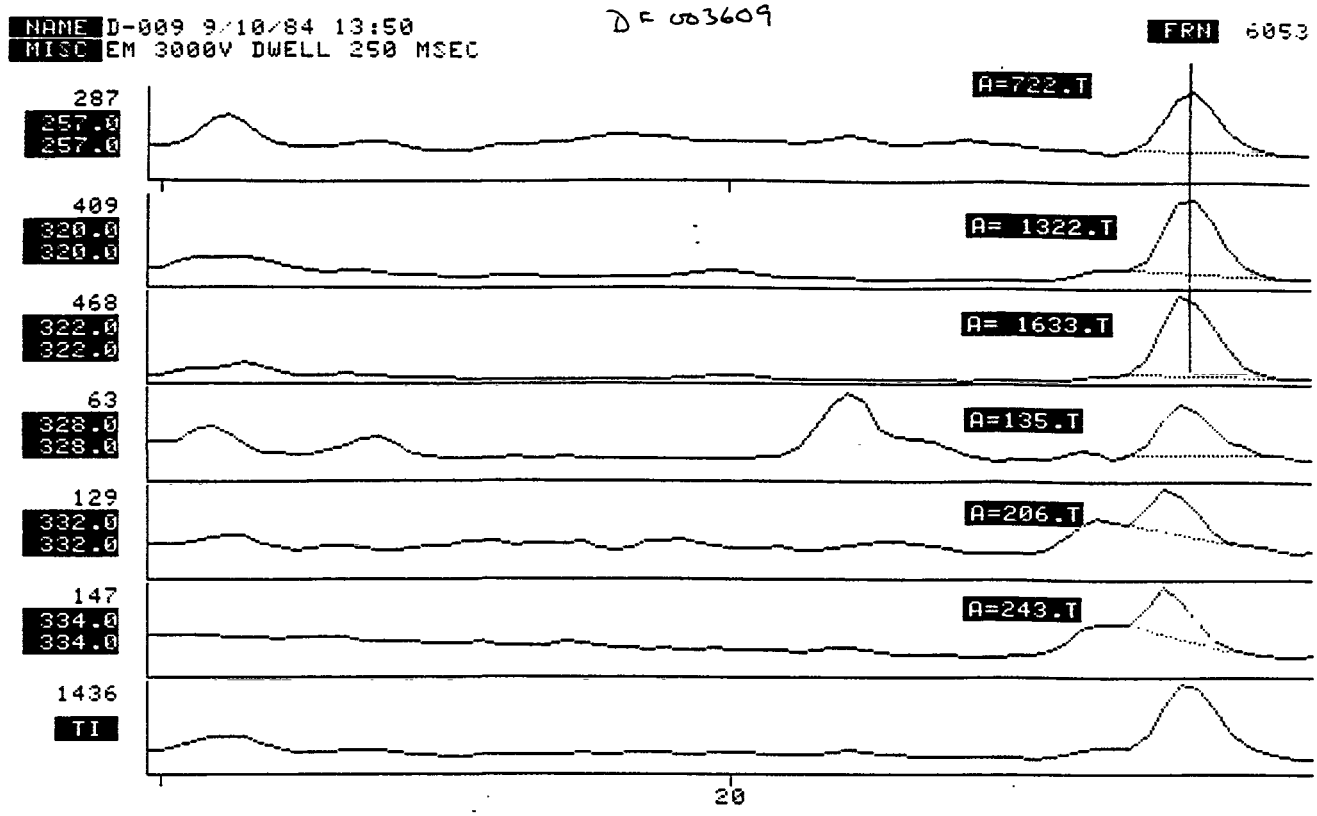
$$C_s = \frac{(478+635) \times 50}{(182+212) \times 0.872 \times 998} = 16.23 \text{ mg/kg}$$

$$C_x = \frac{70 \times 50}{(182+212) \times 1.006 \times 998} = 0.885 \text{ mg/kg}$$

$$\frac{8.83 \text{ mg}}{10 \text{ mg}} \times 100 = 88\%$$

03205877

Case 3089-6-0012
D= 003609



AREA TABLE ENTRIES: FRN 6053

Entry	Time	Mass	Area	%
1	20.8	257.0	722.	44.2
2	20.8	320.0	1322.	81.0
3	20.8	322.0	1633.	100.0
4	20.8	328.0	135.	8.3
5	20.8	332.0	206.	12.6
6	20.8	334.0	243.	14.9

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6053

Entry	Time	Mass	Area	%
1	20.8	257.0	722.	297.6
2	20.8	320.0	1322.	544.9
3	20.8	322.0	1633.	673.2
4	20.8	328.0	120 135.	55.7
5	20.8	332.0	206.	85.1
6	20.8	334.0	243.	100.0

CALCULATE % ON ENTRY #:

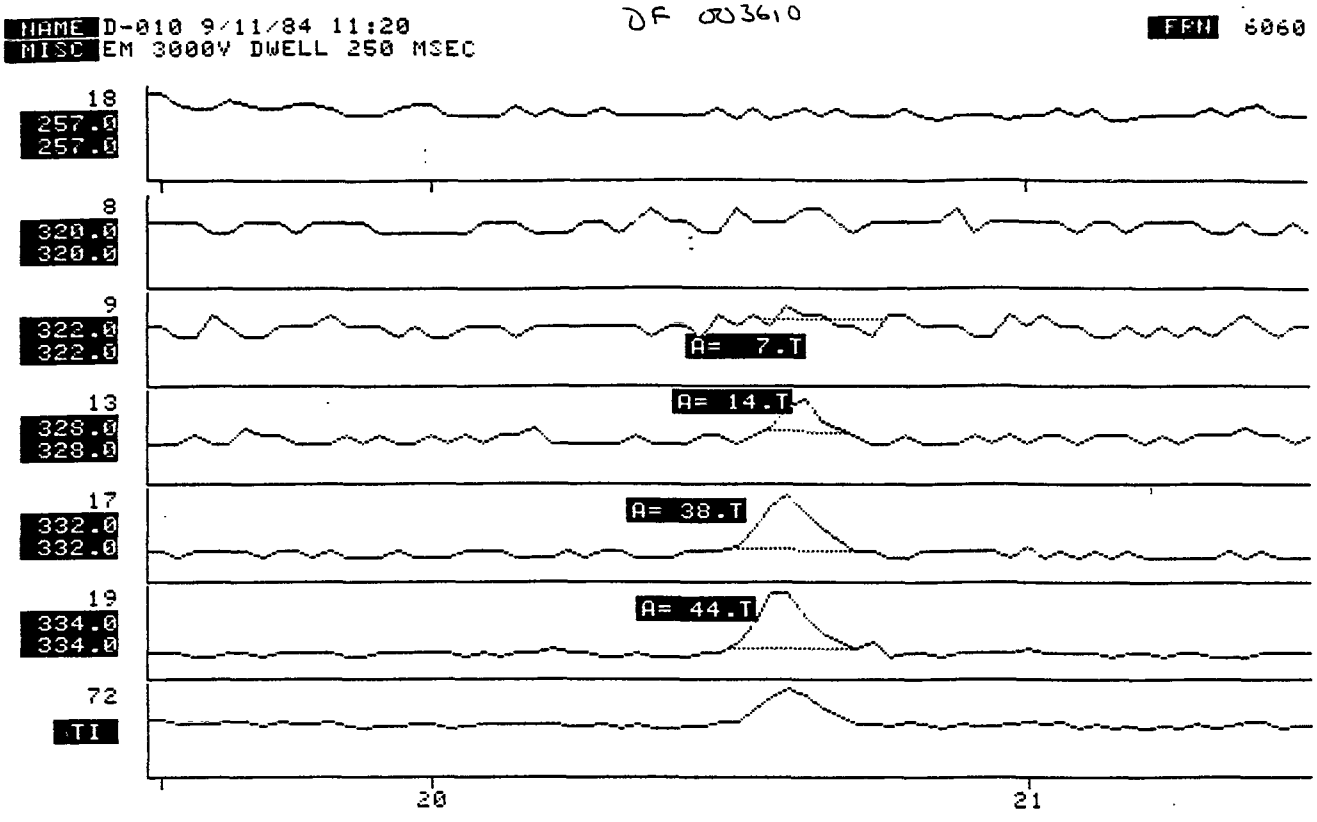
$$C_r = \frac{(1322+1633)\times 50}{(206+243)\times 0.872\times 9.97} = 37.9\ \mu g/kg$$

$$C_s = \frac{120\times 50}{(206+243)\times 1.006\times 9.97} = 1.33\ \mu g/kg$$

$$\frac{13.28\ ng}{10\ ng}\times 100 = 133\%$$

03205878

Case 3089-6-0013
DF 003610



AREA TABLE ENTRIES: FRN 6060

Entry	Time	Mass	Area	%
1	20.7	322.0	7.	16.3
2	20.6	328.0	14.	31.5
3	20.6	332.0	38.	86.5
4	20.6	334.0	44.	100.0

CALCULATE % ON ENTRY #:

$$C_E = \frac{2.5 \times 7 \times 50}{44 \times 0.872 \times 100} = 0.23 \text{ µg/kg}^{*} - \text{EDL}$$

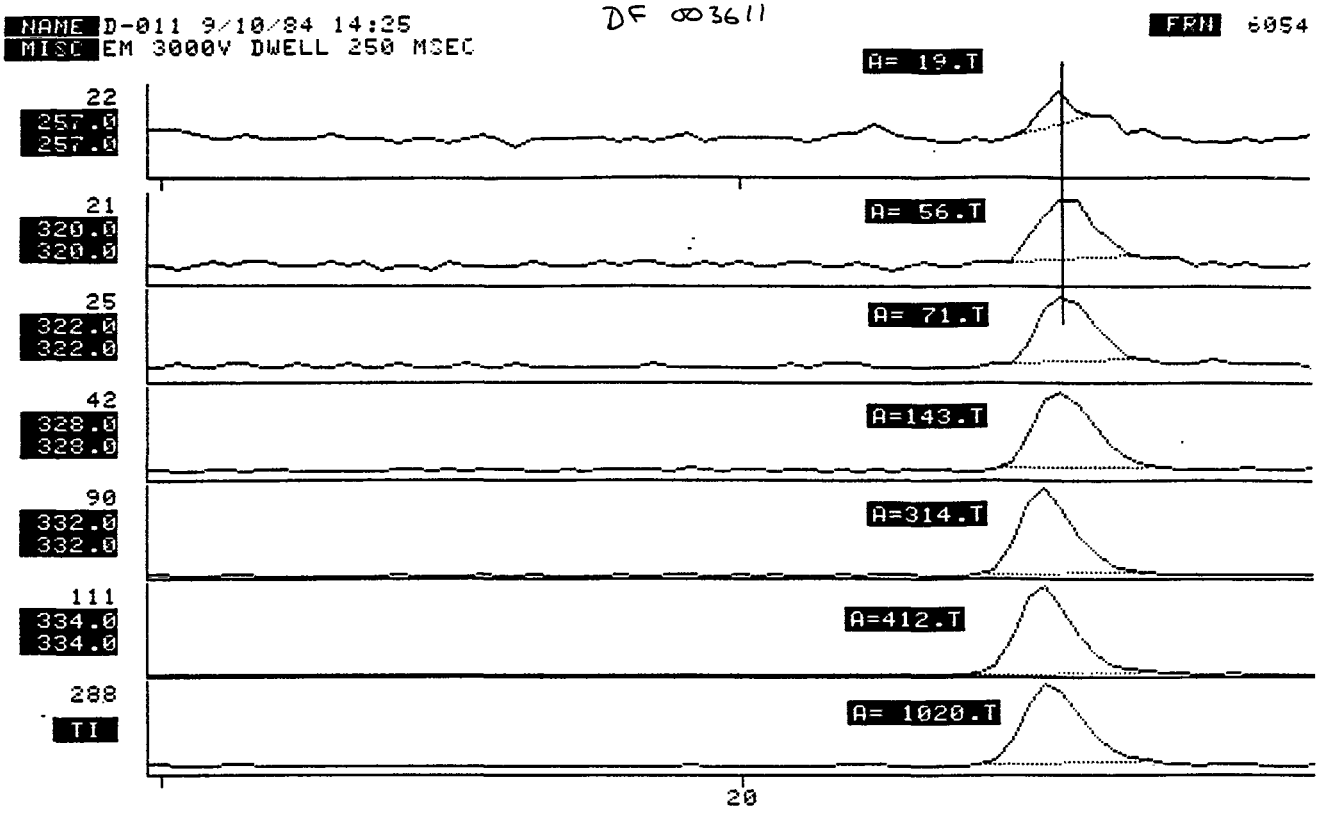
$$C_S = \frac{14 \times 50}{(38+44) \times 1.006 \times 100} = 0.085$$

$$\frac{8.49 \text{ ng}}{10 \text{ ng}} \times 100 = 85\%$$

* Note. Calculation of the estimated detection limit is based on the density of the solvent = 1

03205879

Case 3089-6-0014
DF 003611



AREA TABLE ENTRIES: FRN 6054

Entry	Time	Mass	Area	%
1	20.5	257.0	19.	27.2 ✓
2	20.6	320.0	56.	79.8 ✓
3	20.6	322.0	71.	100.0
4	20.6	328.0	143.	201.8
5	20.6	332.0	314.	444.2
6	20.5	334.0	412.	583.1
7	20.5	TI	1020.	~~1442.9~~

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6054

Entry	Time	Mass	Area	%
1	20.5	257.0	19.	4.7
2	20.6	320.0	56.	13.7
3	20.6	322.0	71.	17.1
4	20.6	328.0	142 143.	34.6
5	20.6	332.0	314.	76.2 ✓
6	20.5	334.0	412.	100.0
7	20.5	TI	~~1020.~~	~~247.4~~

CALCULATE % ON ENTRY #:

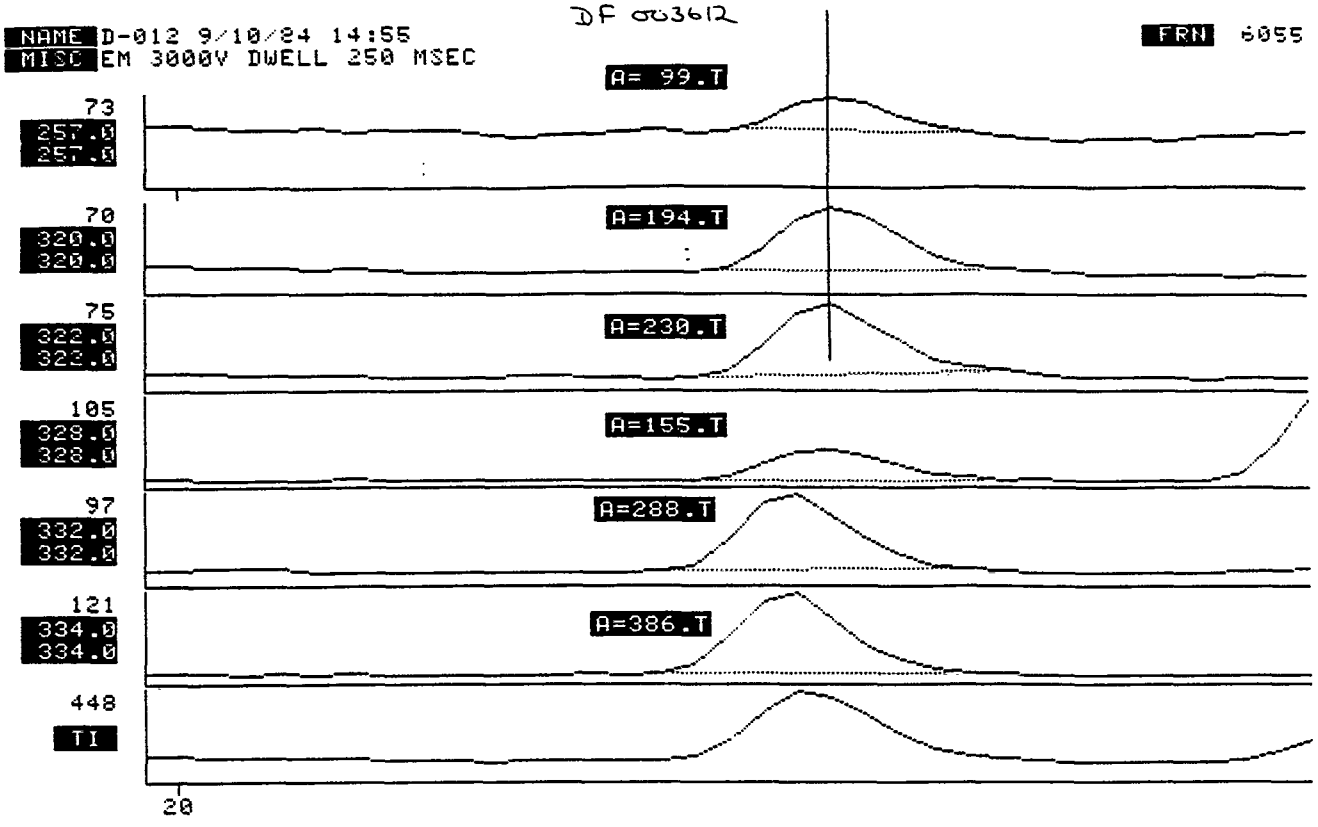
$$C_4 = \frac{(56+71) \times 50}{(314+412) \times 0.972 \times 10.00} = 1.00\ \mu g/kg = 100\%\ \text{Recovery}$$

$$C_5 = \frac{142 \times 50}{(314+412) \times 1.006 \times 10.00} = 0.972\ \mu g/kg$$

$$\frac{972\ ng}{1000\ ng} \times 100 = 97\%$$

03205830

Case 3089 - 6 - 0015
DF 003612



AREA TABLE ENTRIES: FRN 6055

Entry	Time	Mass		Area	%
1	20.6	257.0		99.	43.1 ✓
2	20.6	320.0		194.	84.0 ✓
3	20.6	322.0		230.	100.0
4	20.6	328.0		155.	67.2
5	20.5	332.0		288.	124.9
6	20.5	334.0		386.	167.5

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6055

Entry	Time	Mass		Area	%
1	20.6	257.0		99.	25.7
2	20.6	320.0		194.	50.2
3	20.6	322.0		230.	59.7
4	20.6	328.0	153	155.	40.1
5	20.5	332.0		288.	74.5 ✓
6	20.5	334.0		386.	100.0

CALCULATE % ON ENTRY #:

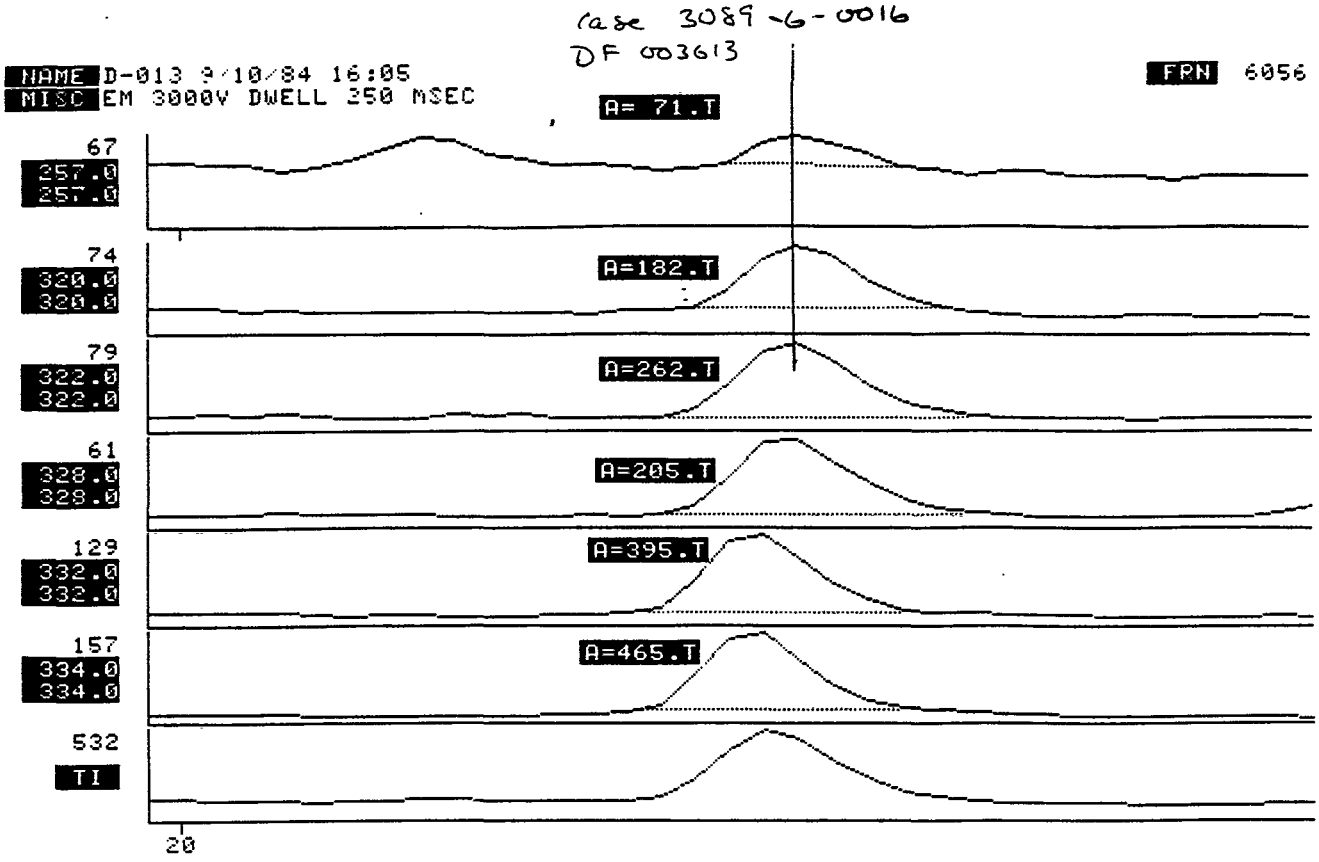
$$C_T = \frac{(194 + 230) \times 50}{(288 + 386) \times 0.872 \times 10.00} = 3.61 \text{ mg/kg}$$

$$C_S = \frac{153 \times 50}{(288 + 386) \times 1.006 \times 10.00} = 1.13 \text{ mg/kg}$$

$$\frac{11.28 \text{ mg}}{10 \text{ mg}} \times 100 = 113\%$$

03205881

case 3089-6-0016
DF 003613



AREA TABLE ENTRIES: FRN 6056

Entry	Time	Mass	Area	%
1	20.6	257.0	71.	27.0
2	20.6	320.0	182.	69.6
3	20.6	322.0	262.	100.0
4	20.6	328.0	205.	78.3
5	20.5	332.0	395.	150.9
6	20.5	334.0	465.	177.5

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6056

Entry	Time	Mass	Area	%
1	20.6	257.0	71.	15.2
2	20.6	320.0	182.	39.2
3	20.6	322.0	262.	56.4
4	20.6	328.0	203 205.	44.1
5	20.5	332.0	395.	85.0
6	20.5	334.0	465.	100.0

CALCULATE % ON ENTRY #:

$$C_R = \frac{(182 + 262) \times 50}{(395 + 465) \times 0.872 \times 10.05} = 2.95\ \mu g/kg$$

$$C_S = \frac{203 \times 50}{(395 + 465) \times 1.006 \times 10.05} = 1.17\ \mu g/kg$$

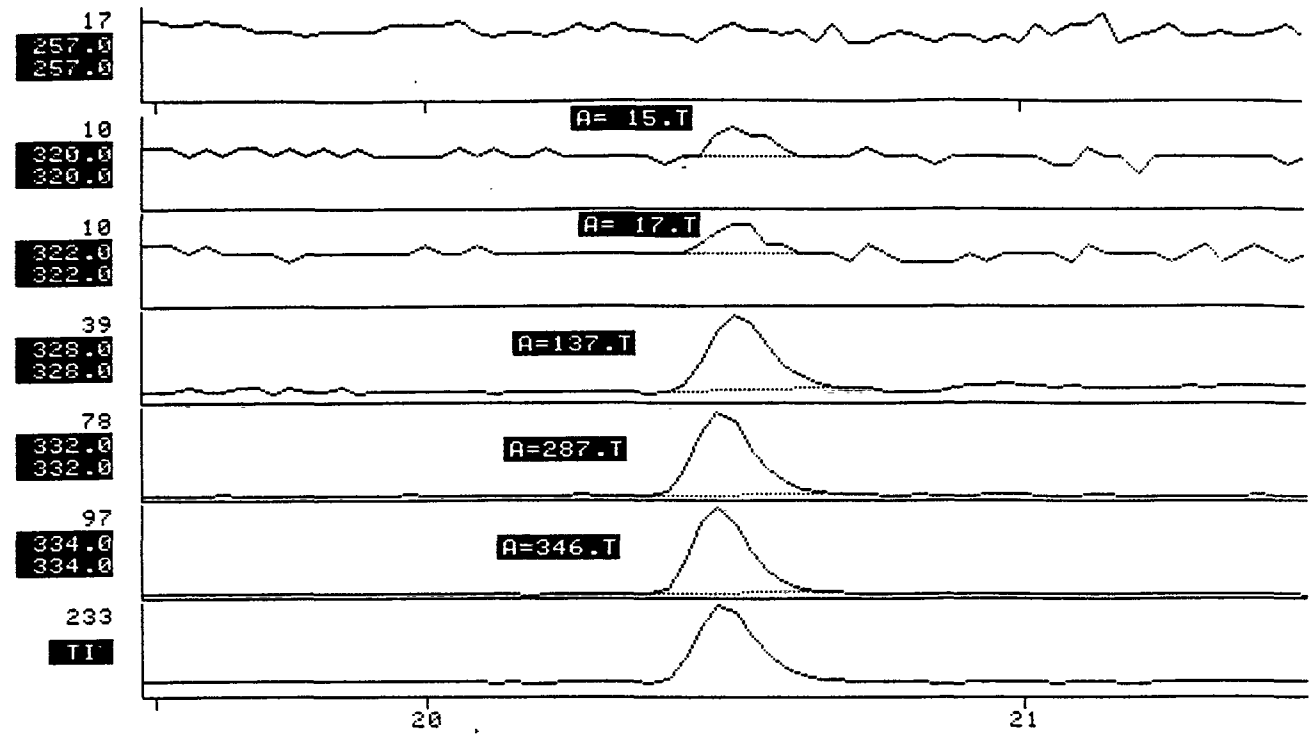
$$\frac{12.26\ ng}{10\ ng} = 123\%$$

03206882

Case 3089-6-0017
DF 003614

NAME D-014 9/11/84 11:55
MISC EM 3000V DWELL 250 MSEC

FRN 6061



AREA TABLE ENTRIES: FRN 6061

Entry	Time	Mass		Area	%
1	20.5	320.0		15.	4.4
2	20.5	322.0		17.	5.0
3	20.5	328.0	137	137.	39.6
4	20.5	332.0		287.	82.8
5	20.5	334.0		346.	100.0

CALCULATE % ON ENTRY #:

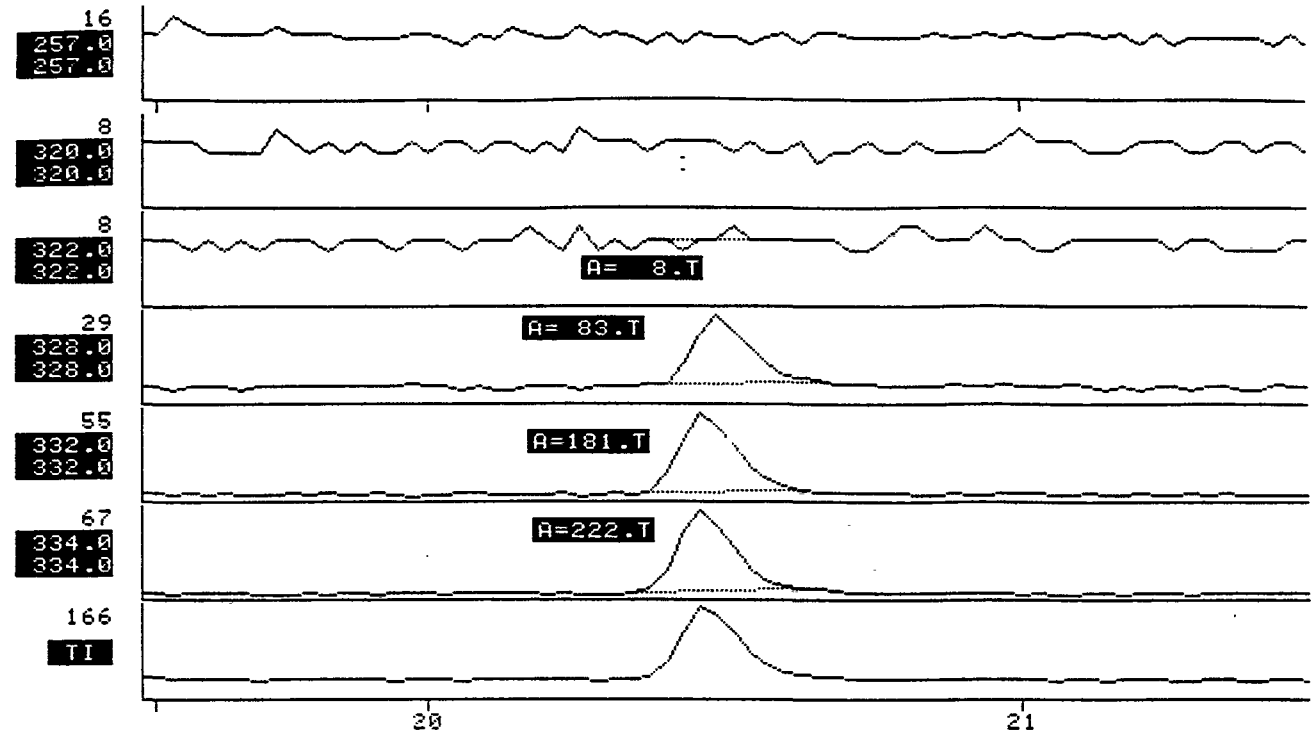
$$C_E = \frac{2.5 \times 17 \times \frac{50}{346}}{346 \times 0.872 \times 10.07} = 0.70\ \mu g/kg \quad EDL$$

$$C_S = \frac{137 \times 50}{(287 + 346) \times 1.006 \times 10.07} = 1.07\ \mu g/kg$$

$$\frac{11.4\ ng}{10\ ng} = 114\ \%$$

Case 3089-6-0018
2B

NAME REAGENT BLANK #2 9/11/84 12:20 FRN 6062
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6062

Entry	Time	Mass		Area	%
1	20.5	322.0		8.	3.8
2	20.5	328.0	S3	83.	37.1
3	20.5	332.0		181.	81.3
4	20.5	334.0		222.	100.0

CALCULATE % ON ENTRY #:

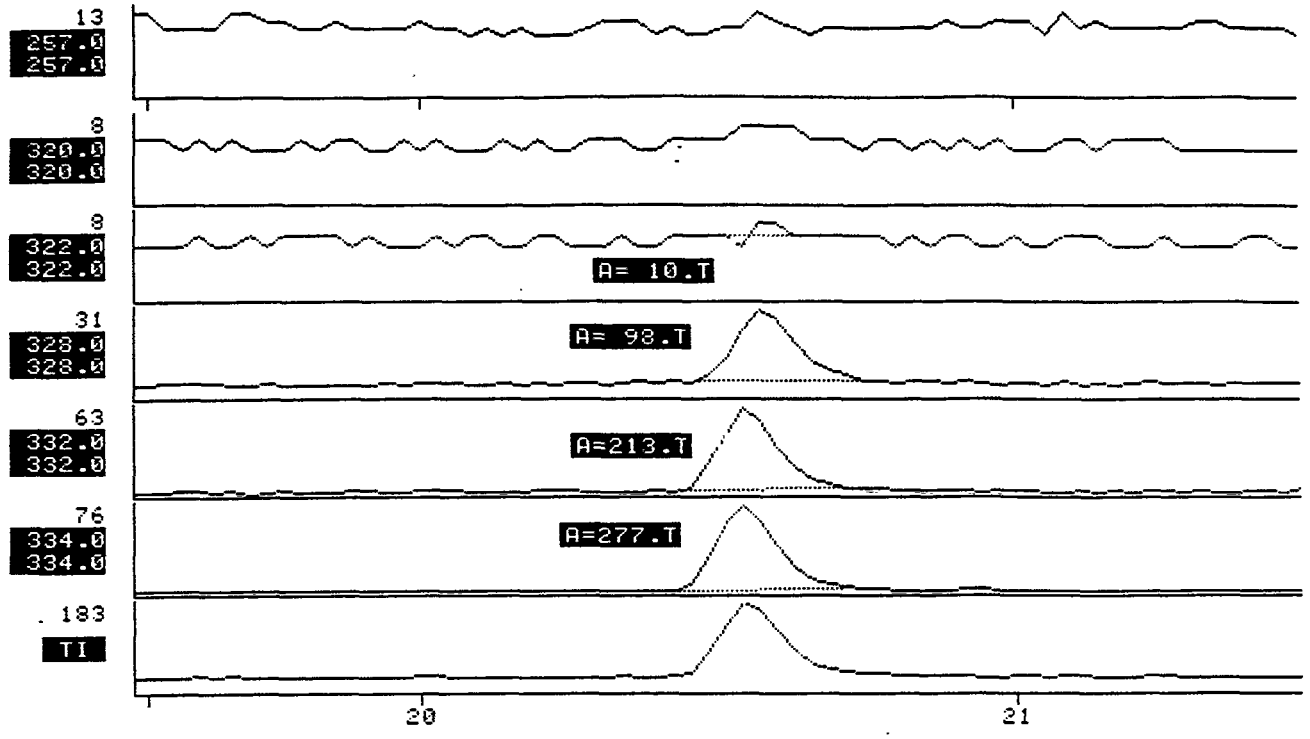
$$C_E = \frac{2.5 \times 8 \times 50}{222 \times 0.872 \times 10} = 0.52\ \mu g/kg \quad EDL$$

$$C_S = \frac{83 \times 50}{(181+222) \times 1.00 \times 10} = 1.02\ \mu g/kg$$

$$\frac{10.23\ ng}{10\ ng} \times 100 = 102\%$$

Case 3089-6-0019
DF 003615

NAME D-015 9/12/84 10:55
MISC EM 3000V DWELL 250 MSEC
FRN 6066



AREA TABLE ENTRIES: FRN 6066

Entry	Time	Mass		Area	%
1	20.6	322.0		10.	3.8
2	20.6	328.0	98	98.	35.4
3	20.6	332.0		213.	76.9
4	20.6	334.0		277.	100.0

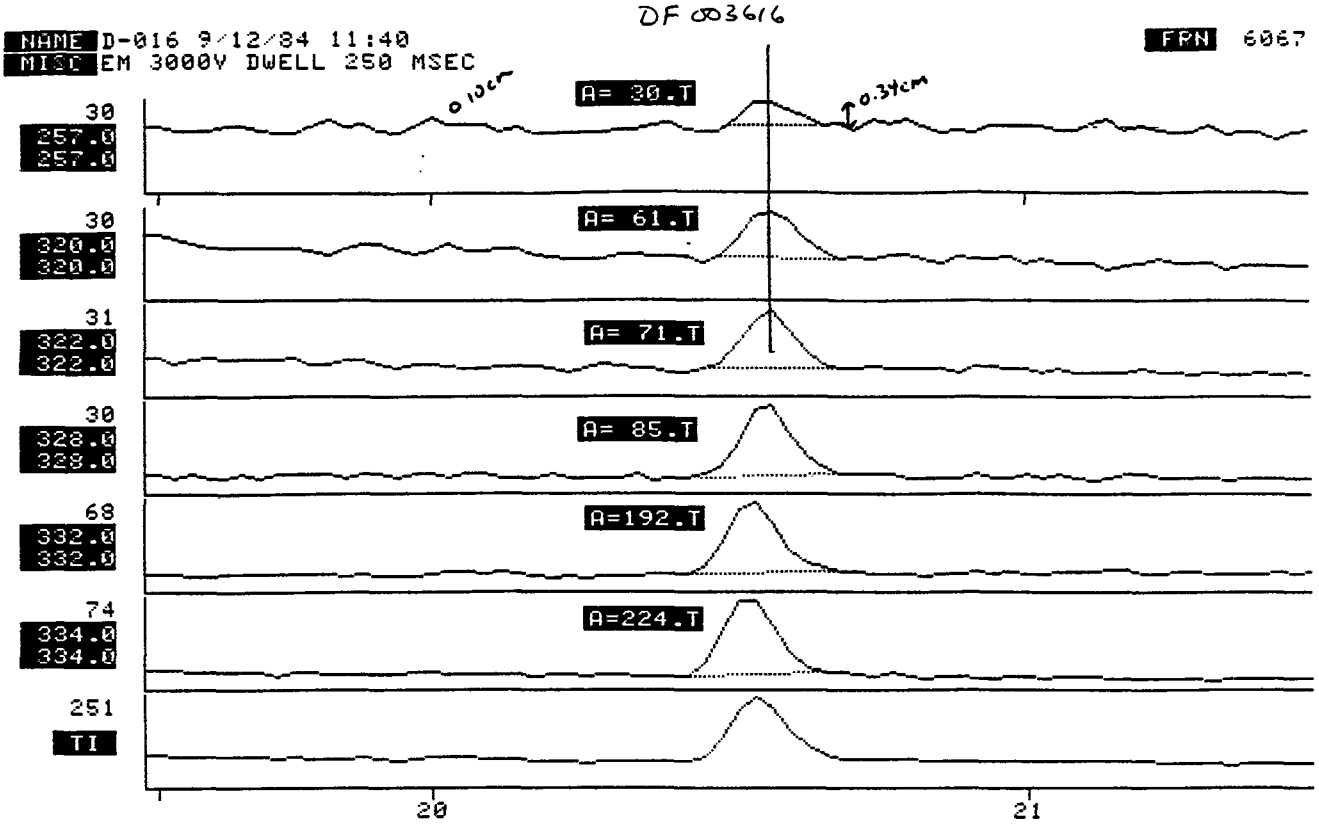
CALCULATE % ON ENTRY #:

$$C_E = \frac{25 \times 10 \times 50}{277 \times 0.872 \times 10.12} = 0.51 \text{ - EDL}$$

$$C_S = \frac{98 \times 50}{(213 + 277) \times 1.006 \times 10.12} = 0.982$$

$$\frac{9.94 \text{ mg}}{10 \text{ mg}} \times 100 = 99\%$$

Case 3089-6-0020
DF 003616



AREA TABLE ENTRIES: FRN 6067

Entry	Time	Mass	Area	%
1	20.6	257.0	30.	42.9 ✓
2	20.6	320.0	61.	86.3 ✓
3	20.6	322.0	71.	100.0
4	20.6	328.0	85.	120.1
5	20.5	332.0	192.	270.2
6	20.5	334.0	224.	315.1

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6067

Entry	Time	Mass	Area	%
1	20.6	257.0	30.	13.6
2	20.6	320.0	61.	27.4
3	20.6	322.0	71.	31.7
4	20.6	328.0	84 85.	38.1
5	20.5	332.0	192.	85.8 ✓
6	20.5	334.0	224.	100.0

CALCULATE % ON ENTRY #:

$$C_x = \frac{(61+71) \times 50}{(192+224) \times 0.572 \times 9.94} = 183 \text{ µg/kg}$$

$$C_s = \frac{84 \times 50}{(192+224) \times 1.006 \times 9.94} = 101 \text{ µg/kg}$$

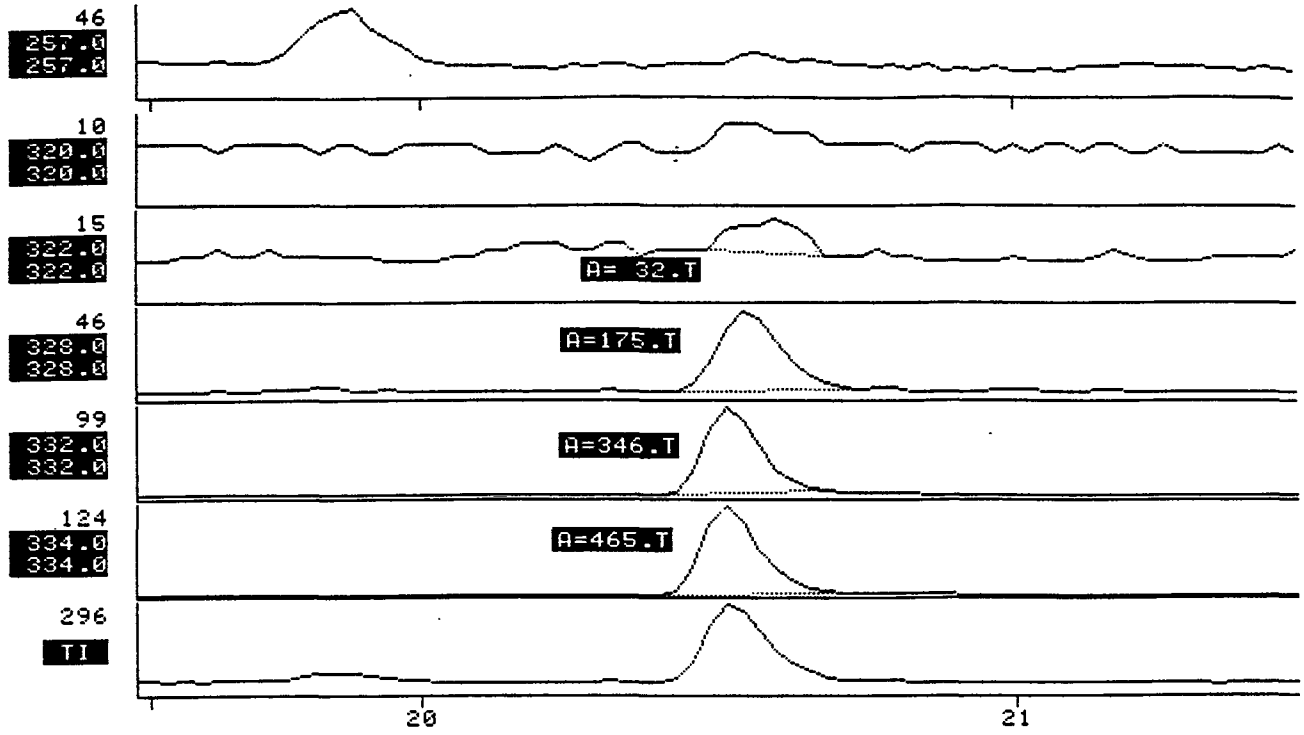
$$\frac{10.04 \text{ ng}}{10 \text{ ng}} \times 100 = 100\%$$!

00205886

Case 3089-6-004
DF 003617

NAME D-017 9/12/84 12:35
MISC EM 3000V DWELL 250 MSEC

FRN 6068



AREA TABLE ENTRIES: FRN 6068

Entry	Time	Mass		Area	%
1	20.6	322.0		32.	6.8
2	20.6	328.0	175	175.	37.8
3	20.5	332.0		346.	74.6
4	20.5	334.0		465.	100.0

CALCULATE % ON ENTRY #:

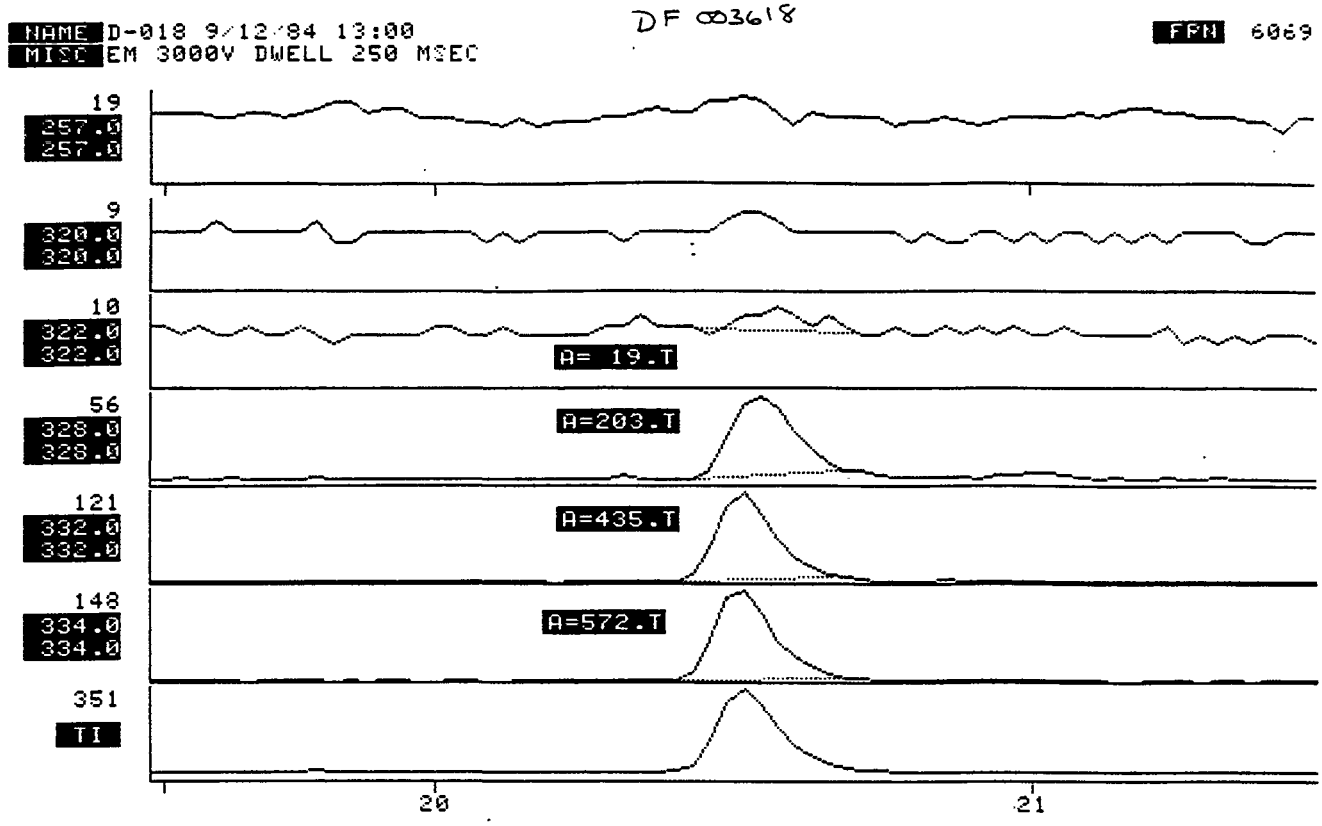
$$C_E = \frac{25 \times 32 \times 50}{465 \times 0.872 \times 1004} = 0.983 \text{ ug/kg} \quad EDL$$

$$C_S = \frac{175 \times 50}{(346 + 463) \times 1006 \times 1004} = 1.068 \text{ ug/kg}$$

$$\frac{10.72 \text{ ng}}{10 \text{ ng}} \times 100 = 107\%$$

03205887

Case 3089-6-0022
DF 003618



AREA TABLE ENTRIES: FRN 6069

Entry	Time	Mass		Area	%
1	20.6	322.0		19.	3.3
2	20.5	328.0	203	203.	35.5
3	20.5	332.0		435.	76.0
4	20.5	334.0		572.	100.0

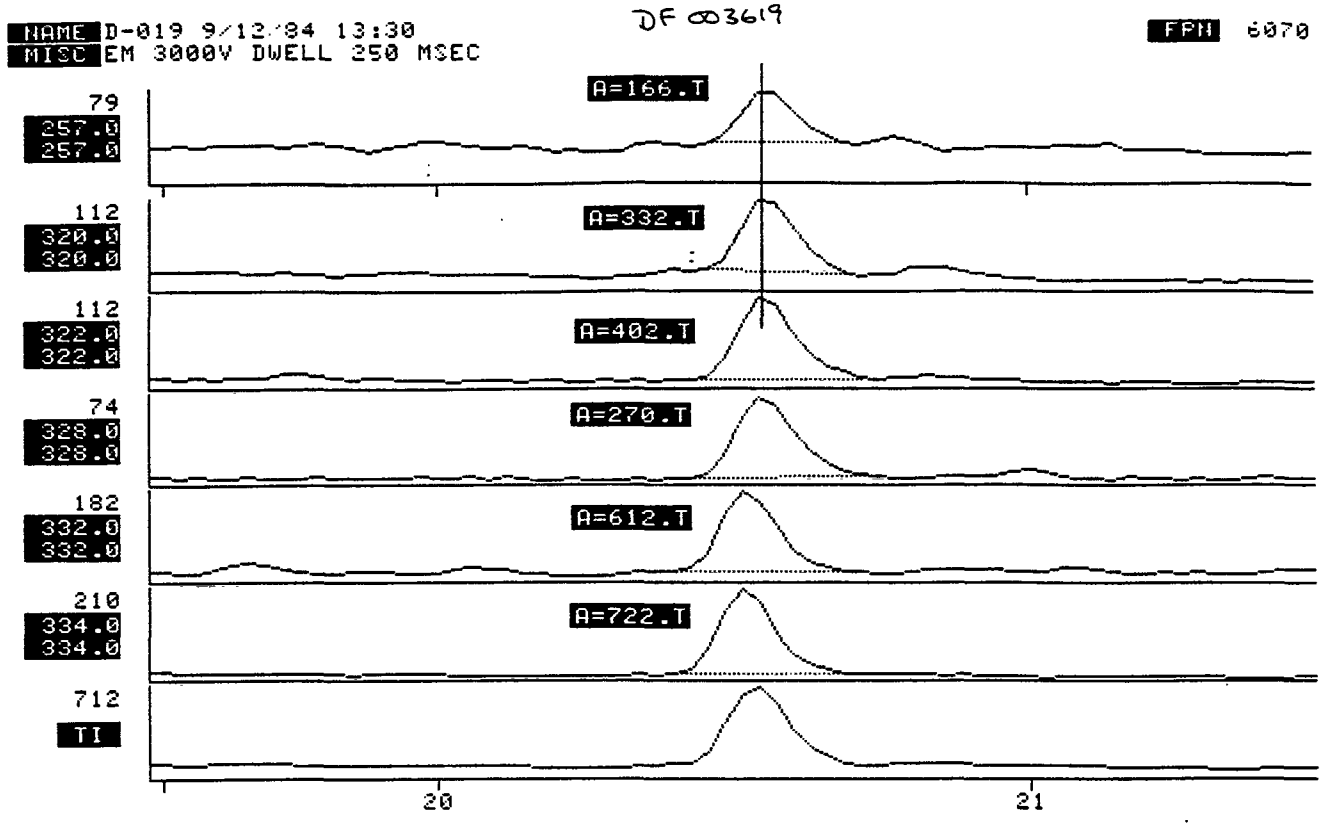
CALCULATE % ON ENTRY #:

$$C_E = \frac{25 \times 19 \times 50}{572 \times 0.872 \times 10.09} = 0.472 \text{ µg/kg} - EDL$$

$$C_S = \frac{203 \times 50}{(435 + 572) \times 1.006 \times 10.09} = 0.993 \text{ µg/kg}$$

$$\frac{10.02 \text{ mg}}{10 \text{ mg}} \times 100 = 100\%$$

Case 3089-6-0023
DF 003619



AREA TABLE ENTRIES: FRN 6070

Entry	Time	Mass	Area	%
1	20.6	257.0	166.	41.3 ✓
2	20.6	320.0	332.	82.8 ✓
3	20.6	322.0	402.	100.0
4	20.6	328.0	270.	67.3
5	20.5	332.0	612.	152.3
6	20.5	334.0	722.	179.6

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6070

Entry	Time	Mass	Area	%
1	20.6	257.0	166.	23.0
2	20.6	320.0	332.	46.1
3	20.6	322.0	402.	55.7
4	20.6	328.0	266 270.	37.5
5	20.5	332.0	612.	84.8 ✓
6	20.5	334.0	722.	100.0

CALCULATE % ON ENTRY #:

$$C_A = \frac{(332+402)\times 50}{(612+722)\times 0.672\times 997} = 3.16\ \mu g/kg$$

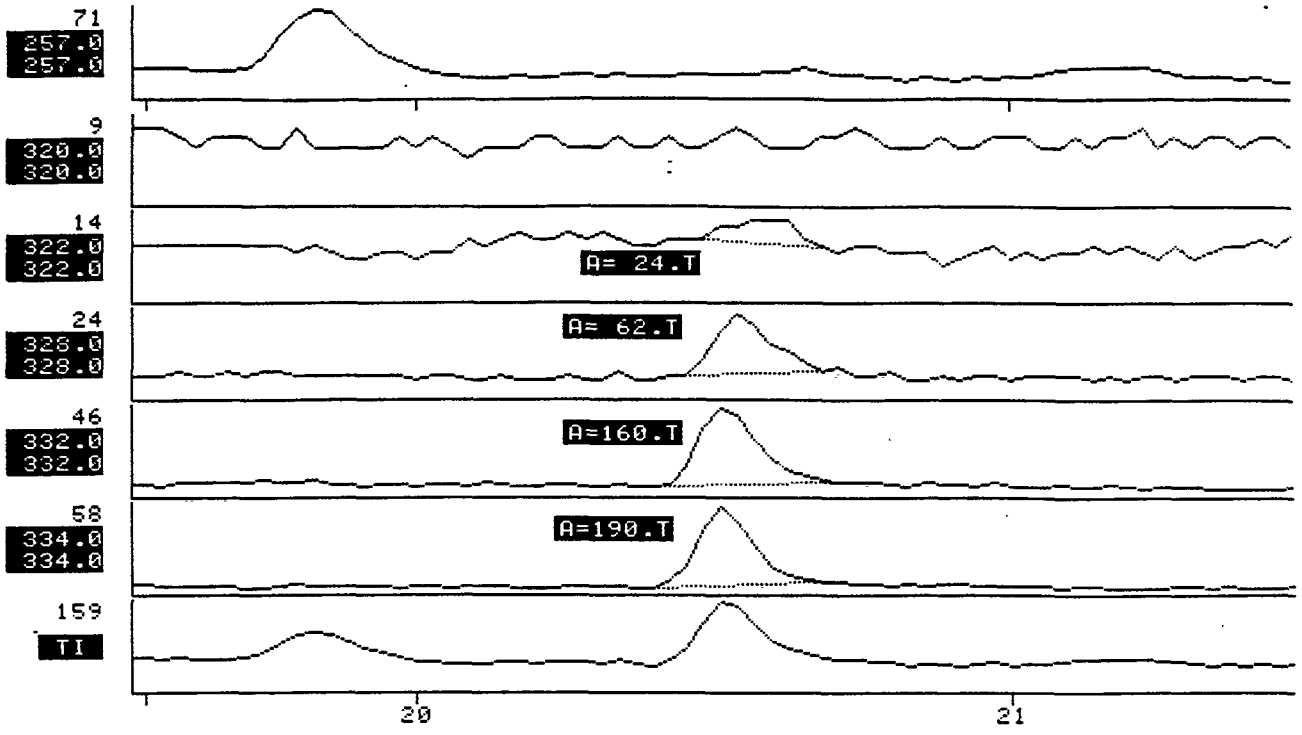
$$C_S = \frac{266\times 50}{(612+722)\times 1.006\times 997} = 0.994\ \mu g/kg$$

$$\frac{9.91\ ng}{10\ ng}\times 100 = 99\%$$

03205689

Case 3089-6-0024
~~DF 0036~~ RB 9/17/84

NAME REAGENT BLANK #3 9/12/84 15:40 FRN 6071
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6071

Entry	Time	Mass		Area	%
1	20.6	322.0		24.	12.8
2	20.6	328.0	62	62.	32.9
3	20.5	332.0		160.	84.2
4	20.5	334.0		190.	100.0

CALCULATE % ON ENTRY #:

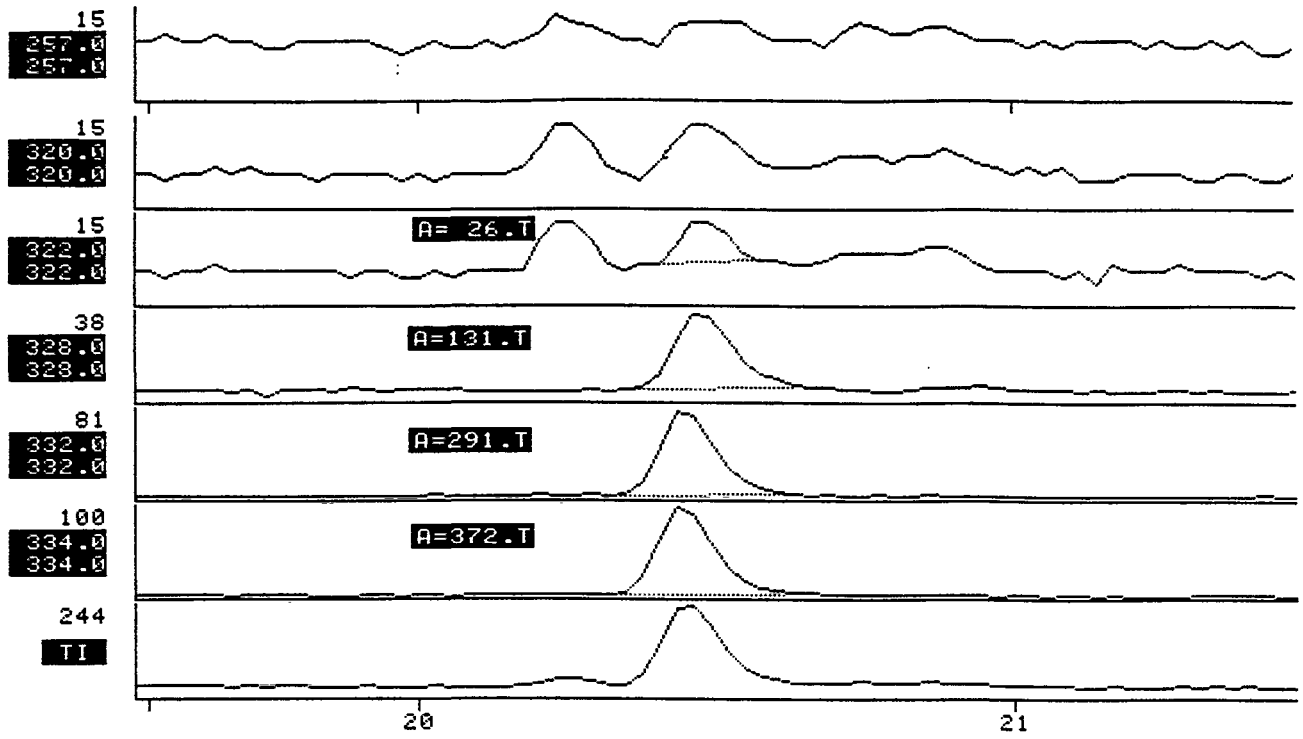
$$C_E = \frac{25 \times 24 \times 50}{190 \times 0.872 \times 10} = 1.81\ \mu g/kg$$

$$C_S = \frac{62 \times 50}{(160+190) \times 1000 \times 10} = 0.880\ \mu g/kg$$

$$\frac{8.80\ \mu g}{10\ mg} \times 100 = 88\%$$

Case 3089-6-0025
DF 003620

NAME D-020 9/13/84 11:25
MISC EM 3000V DWELL 250 MSEC
FRN 7075



AREA TABLE ENTRIES: FRN 7075

Entry	Time	Mass		Area	%
1	20.5	322.0		26.	7.0
2	20.5	328.0	(31	131.	35.3
3	20.5	332.0		291.	78.3 ✓
4	20.5	334.0		372.	100.0

CALCULATE % ON ENTRY #:

m/z 257 < 2.5 x background -- NOT a positive ID

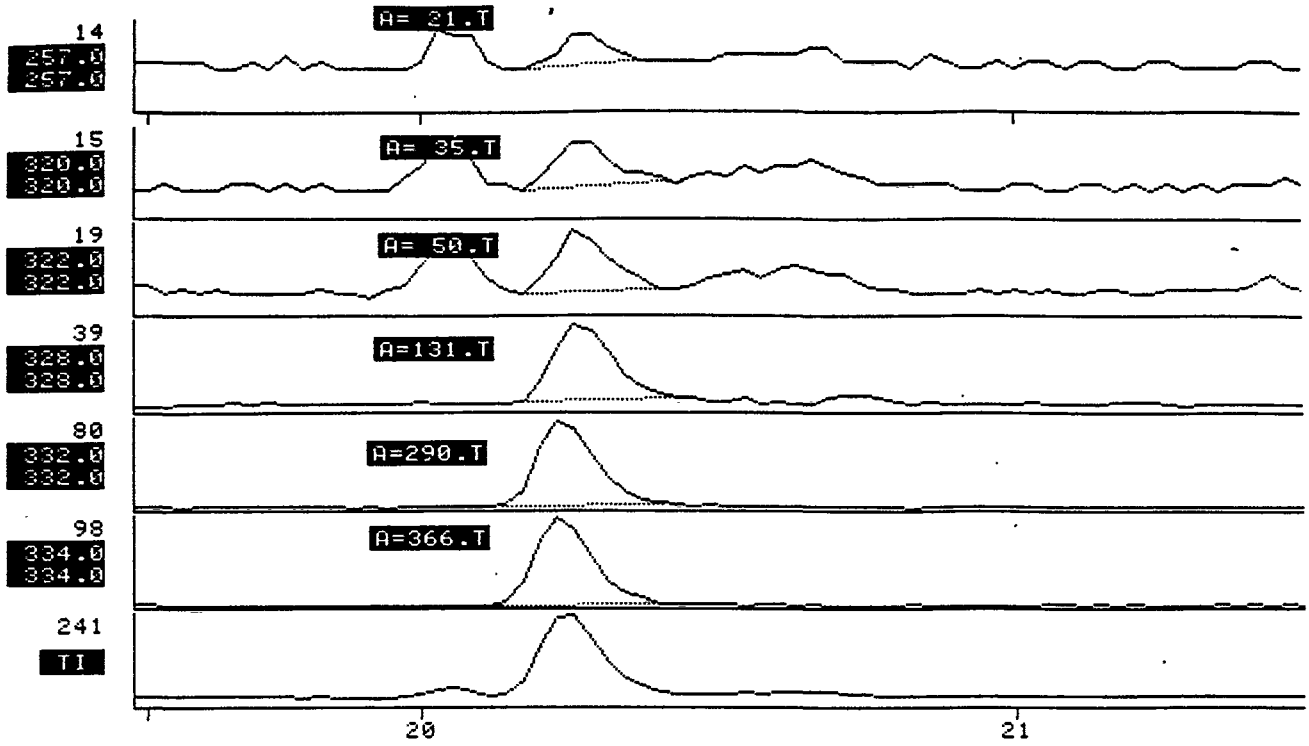
$$C_E = \frac{2.5 \times 26 \times 50}{372 \times 0.872 \times 994} = 1.01 \text{ µg/kg} - \text{EDL}$$

$$C_S = \frac{131 \times 50}{(291 + 372) \times 1.006 \times 9.94} = 0.988 \text{ µg/kg}$$

$$\frac{9.82 \text{ ng}}{10 \text{ ng}} \times 100 = 98\%$$

Case 3089-6-0026
DF003620

NAME D-020 DUP 9/18/84 11:25 FRN 6093
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6093

Entry	Time	Mass	Area	%
1	20.3	257.0	21.	41.4 ✓
2	20.3	320.0	35.	70.0 ✓
3	20.3	322.0	50.	100.0
4	20.3	328.0	131.	263.3
5	20.3	332.0	290.	583.8
6	20.2	334.0	366.	737.1

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6093

Entry	Time	Mass	Area	%
1	20.3	257.0	21.	5.6
2	20.3	320.0	35.	9.5
3	20.3	322.0	50.	13.6
4	20.3	328.0	131.	35.7
5	20.3	332.0	290.	79.2 ✓
6	20.2	334.0	366.	100.0

CALCULATE % ON ENTRY #:

$$C_x = \frac{(35+50) \times 50}{(290+366) \times 0.872 \times 10.00} = 0.74 \text{ µg/Kg}$$

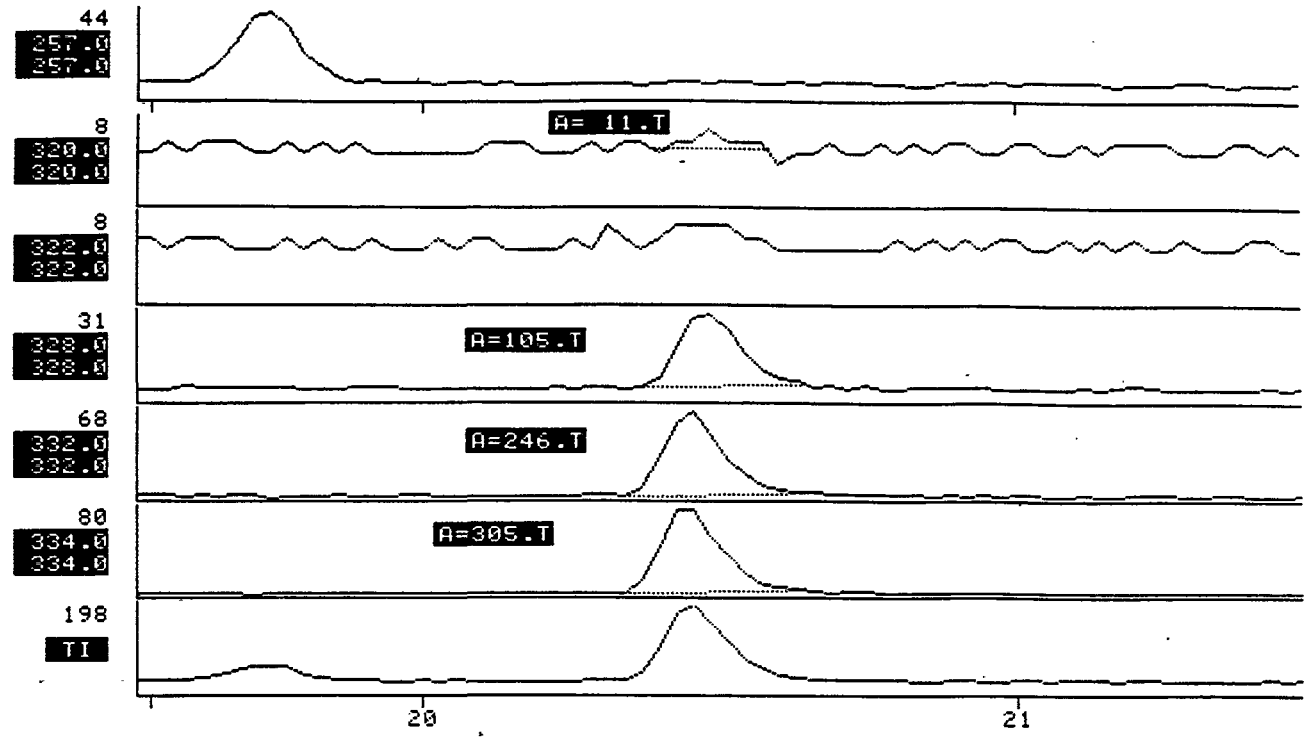
$$C_s = \frac{131 \times 50}{(250+366) \times 1.006 \times 10.00} = 0.99 \text{ µg/Kg}$$

DO 9/11/87 ~~.99~~ $\frac{9.9 \text{ ng}}{10 \text{ ng}} \times 100 = 99\%$

03205832

Case 3089-6-0027.
DF 003621

NAME D-021 9/13/84 11:55
MISC EM 3000V DWELL 250 MSEC
FRN 6076



AREA TABLE ENTRIES: FRN 6076

Entry	Time	Mass		Area	%
1	20.5	320.0		11.	3.8
2	20.5	328.0	105	105.	34.3
3	20.5	332.0		246.	80.8
4	20.5	334.0		305.	100.0

CALCULATE % ON ENTRY #:

$$C_E = \frac{25 \times 11 \times 50}{246 \times 0.872 \times 9.95} = 0.644 \text{ µg/kg} - \text{EDL}$$

$$C_S = \frac{105 \times 50}{(246 + 305) \times 1.006 \times 9.95} = 0.952$$

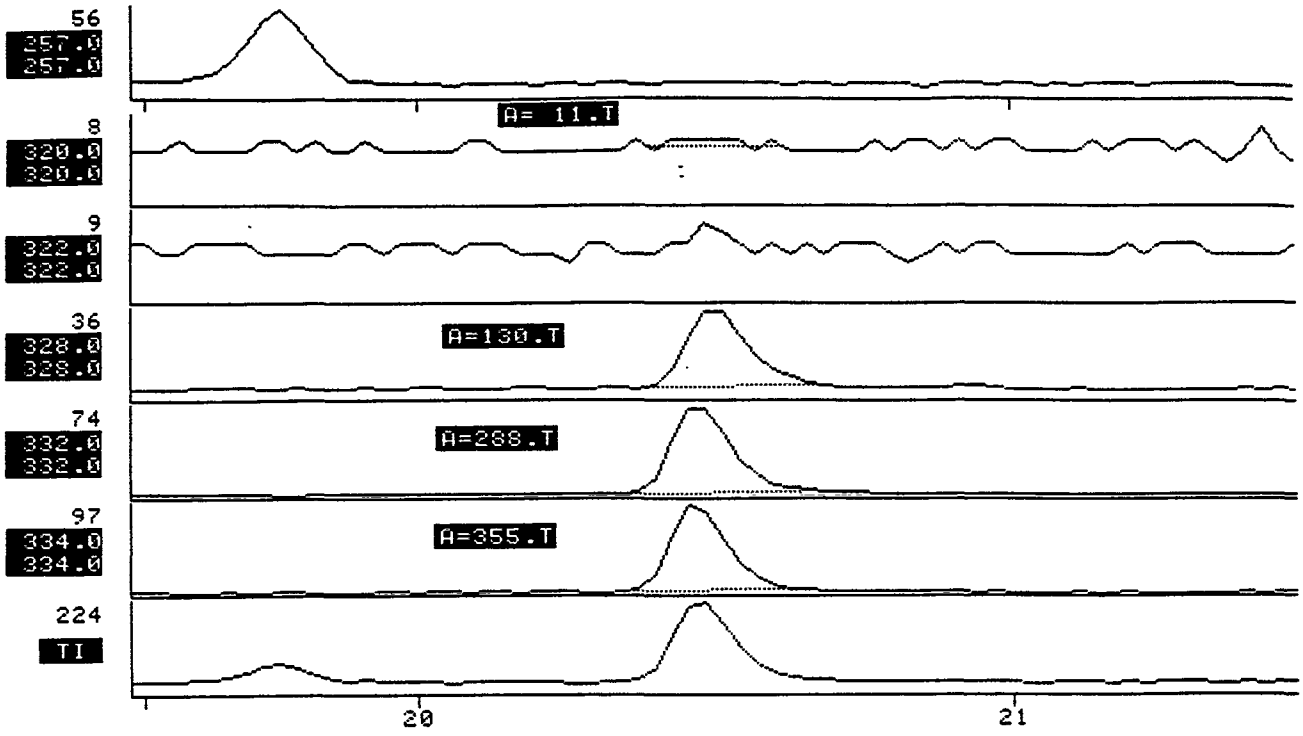
$$\frac{9.47 \text{ ng}}{10 \text{ ng}} \times 100 = 95\%$$

03205833

Case 3089-6-0028
DF 003622

NAME D-022 9/13/84 12:35
MISC EM 3000V DWELL 250 MSEC

FRN 6077



AREA TABLE ENTRIES: FRN 6077

Entry	Time	Mass	Area	%
1	20.5	320.0	11.	3.2
2	20.5	328.0	130.	36.6
3	20.5	332.0	288.	81.3
4	20.5	334.0	355.	100.0

CALCULATE % ON ENTRY #:

$$C_E = \frac{2.5 \times 11 \times 50}{288 \times 0.872 \times 9.95} = 0.548 \text{ µg/kg} - \text{EDL}$$

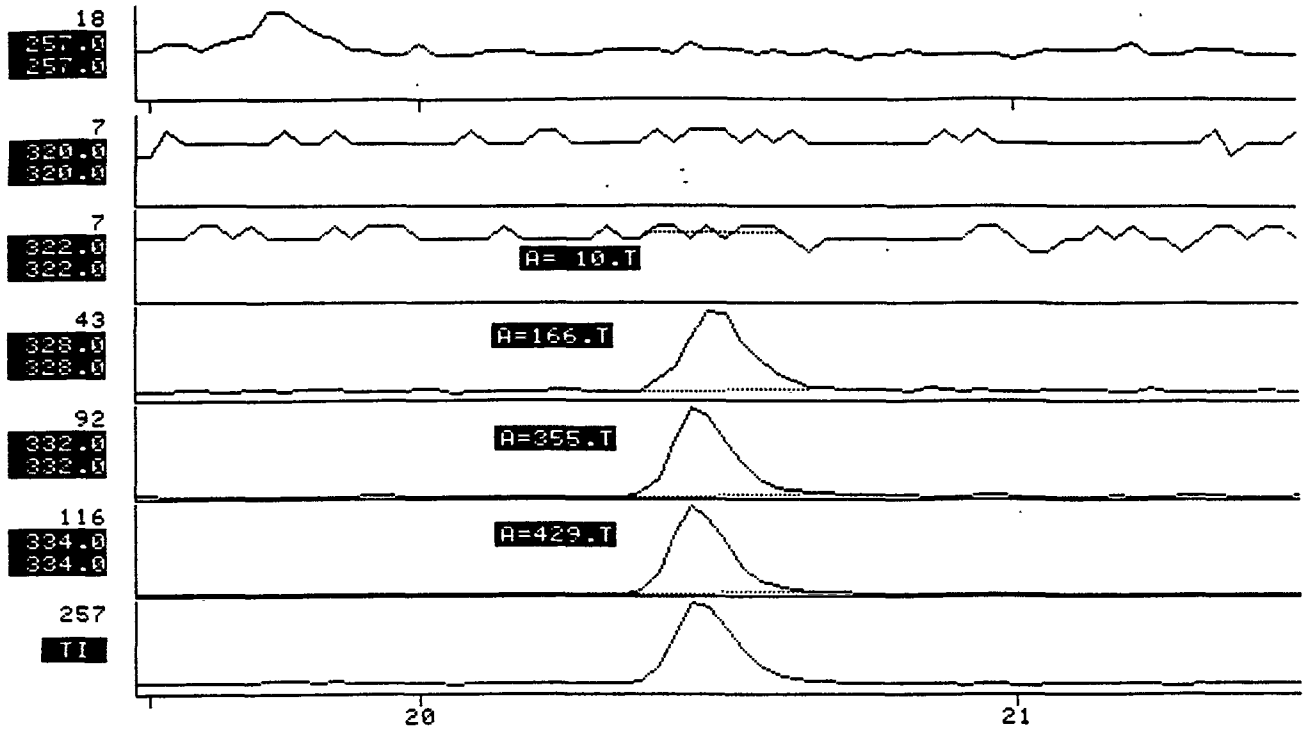
$$C_S = \frac{\text{130 ng/µL} \times 50}{(288+355) \times 1.006 \times 9.99} = 1.01 \text{ µg/kg}$$

$$\frac{10.04 \text{ ng}}{10 \text{ ng}} \times 100 = 100\%$$

02205834

Case 5061-50 0021
DF 003623

NAME D-023 9/13/84 13:10 FRN 6078
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6078

Entry	Time	Mass		Area	%
1	20.5	320.0		~~11.~~	~~2.6~~
2	20.5	328.0		~~130.~~	~~30.2~~
3	20.5	332.0		~~289.~~	~~67.2~~
4	20.5	334.0		~~355.~~	~~82.7~~
5	20.5	322.0		10.	2.3
6	20.5	328.0	166	166.	38.6
7	20.5	332.0		355.	82.9
8	20.5	334.0		429.	100.0

CALCULATE % ON ENTRY #:

$$C_E = \frac{2.5 \times 10 \times 50}{429 \times 0.872 \times 9.99} = 0.334 \text{ µg/kg} - \text{EDL}$$

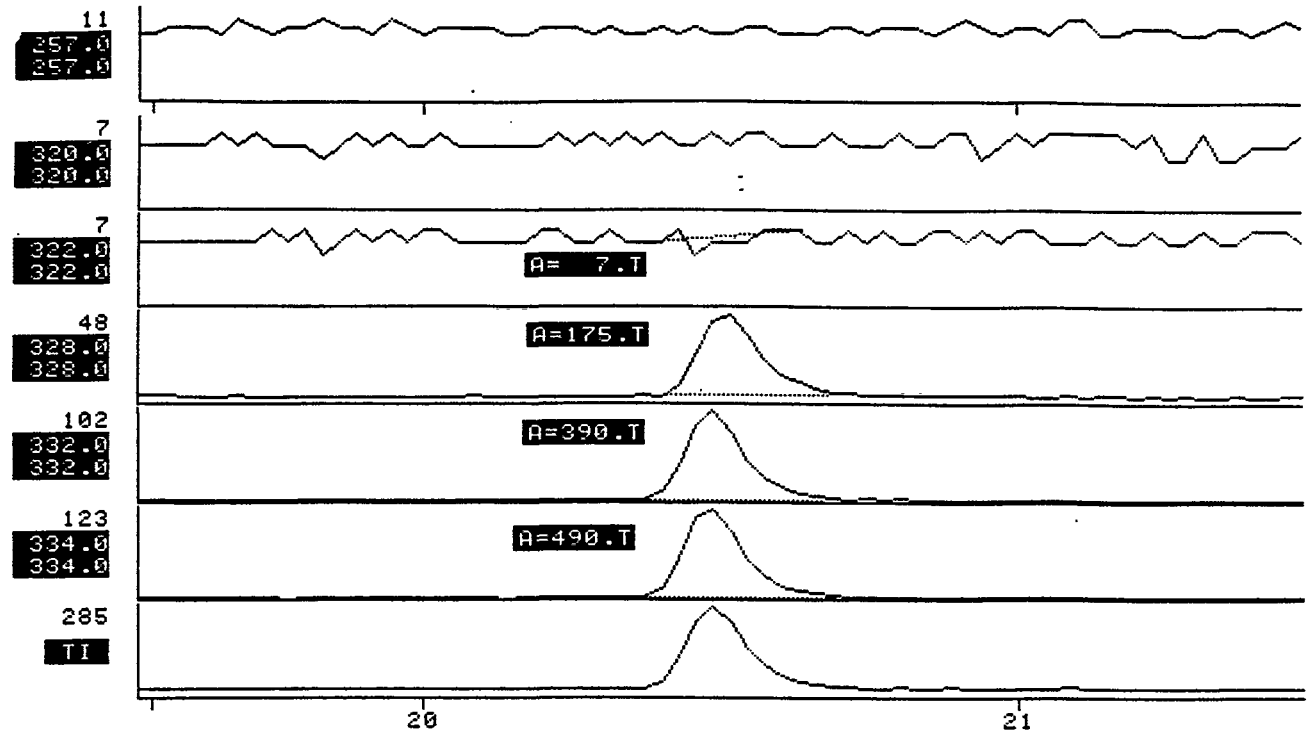
$$C_S = \frac{166 \times 50}{(429 - 355) \times 1.006 \times 9.99} = 1.053 \text{ µg/kg}$$

$$\frac{10.52 \text{ ng}}{10 \text{ ng}} \times 100 = 105\%$$

Case [illegible]
DF 003624

NAME D-~~023~~ 9/13/84 13:35
MISC EM 3000V DWELL 250 MSEC

FRN 6079



AREA TABLE ENTRIES: FRN 6079

Entry	Time	Mass	Area	%
1	20.5	322.0	7.	1.4
2	20.5	328.0	175.	35.6
3	20.5	332.0	390.	79.5
4	20.5	334.0	490.	100.0

CALCULATE % ON ENTRY #:

$$C_E = \frac{25 \times 7 \times 50}{490 \times 0.872 \times 9.98} = 0.205 \text{ µg/kg} - \text{EDL}$$

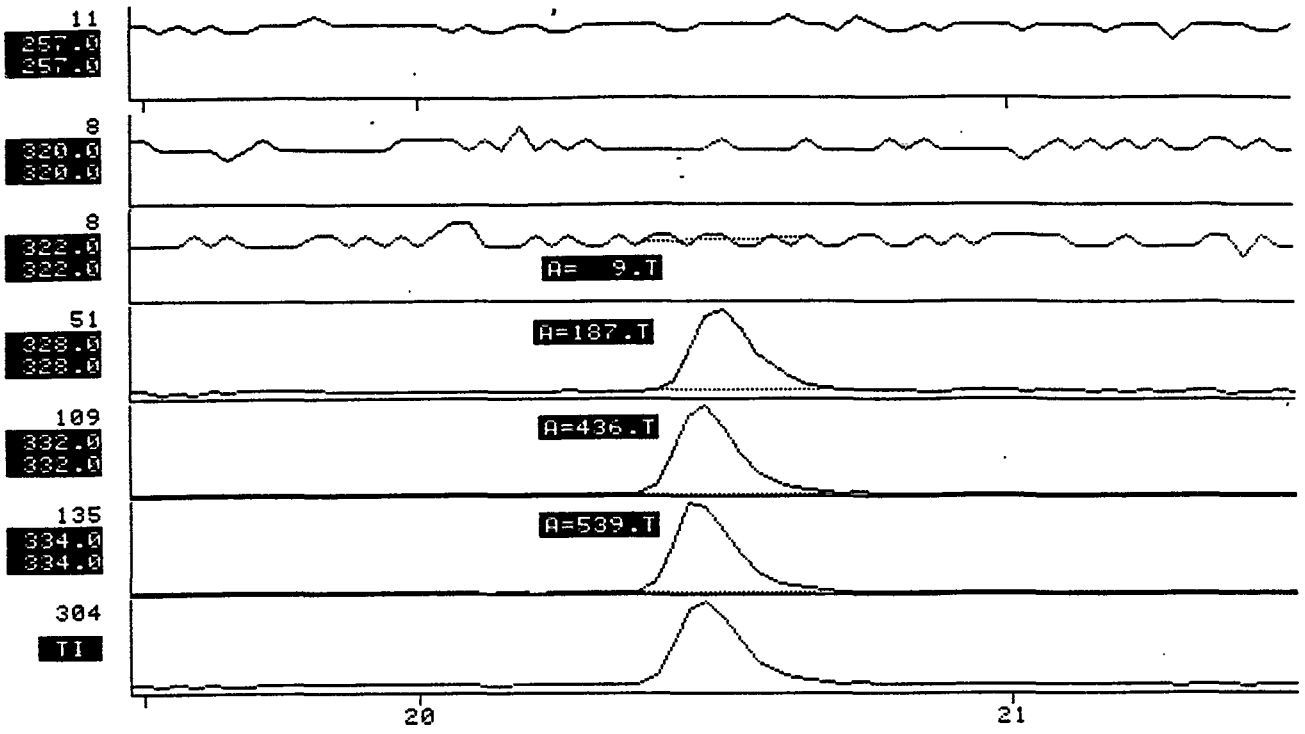
$$C_S = \frac{175 \times 50}{(390 + 490) \times 1000 \times 998} = 0.990 \text{ µg/kg}$$

$$\frac{9.88 \text{ ng}}{10 \text{ ng}} \times 100 = 99\%$$

00205836

Case 3087-6-00 S1
RB

NAME REAGENT BLANK #4 9/13/84 14:15
MISC EM 3000V DWELL 250 MSEC
FRN 6080



AREA TABLE ENTRIES: FRN 6080

Entry	Time	Mass	Area	%
1	20.5	322.0	9.	1.7
2	20.5	328.0	187.	34.7
3	20.5	332.0	436.	81.0
4	20.5	334.0	539.	100.0

CALCULATE % ON ENTRY #:

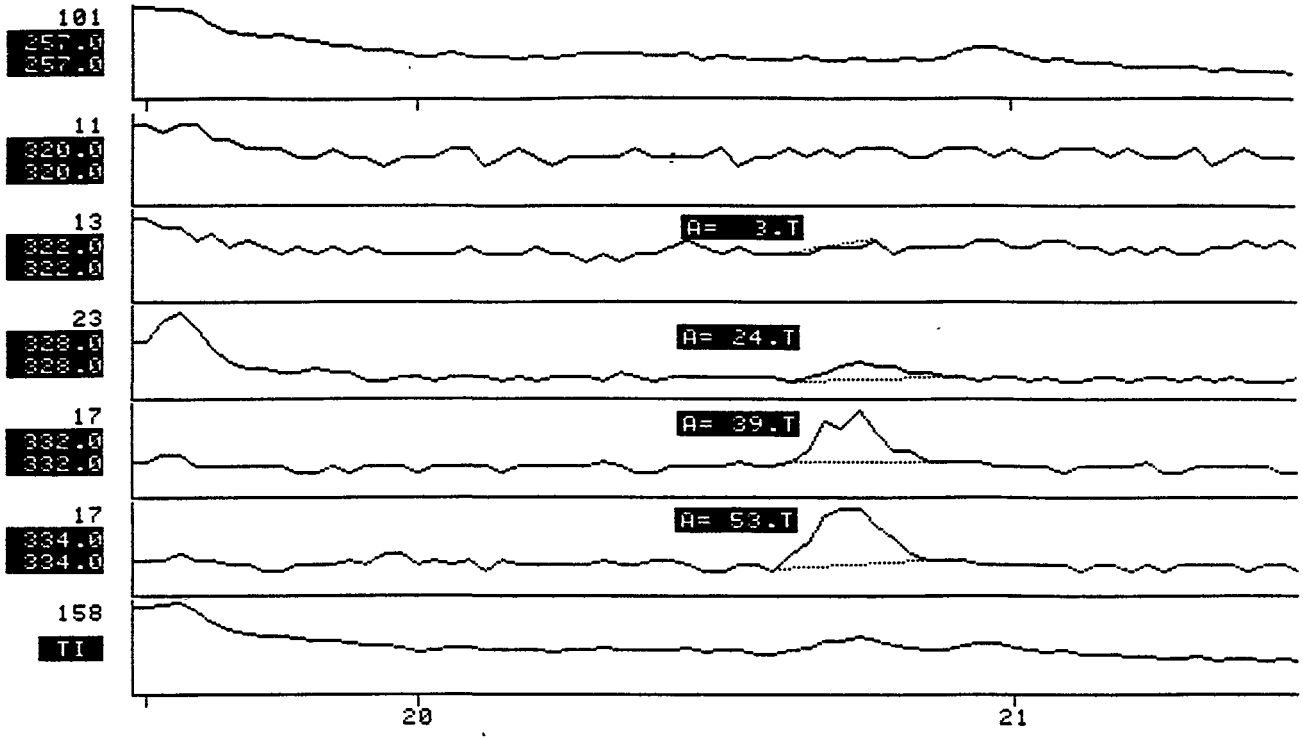
$$C_E = \frac{2.5 \times 9 \times 50}{539 \times 0.872 \times 10} = 0.239 \text{ µg/kg} - \text{EDL}$$

$$C_S = \frac{187 \times 50}{(539 + 436) \times 1.006 \times 10} = 0.953 \text{ µg/kg}$$

$$\frac{9.53 \text{ ng}}{10 \text{ ng}} \times 100 = 95\%$$

Case 3089-6-0032

NAME REAGENT BLANK #5 9/18/84 12:45 FRN 6095
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6095

Entry	Time	Mass	Area	%
1	20.7	328.0	24.	44.7
2	20.7	332.0	39.	73.5 ✓
3	20.7	334.0	53.	100.0
4	20.7	322.0	3.	4.9

CALCULATE % ON ENTRY #:

$$C_E = \frac{2.5 \times 3 \times 50}{53 \times 0.672 \times 10} = 0.81 \text{ mg/kg}$$

$$C_S = \frac{24 \times 50}{(39+53) \times 1.006 \times 10} = 130 \text{ mg/kg}$$

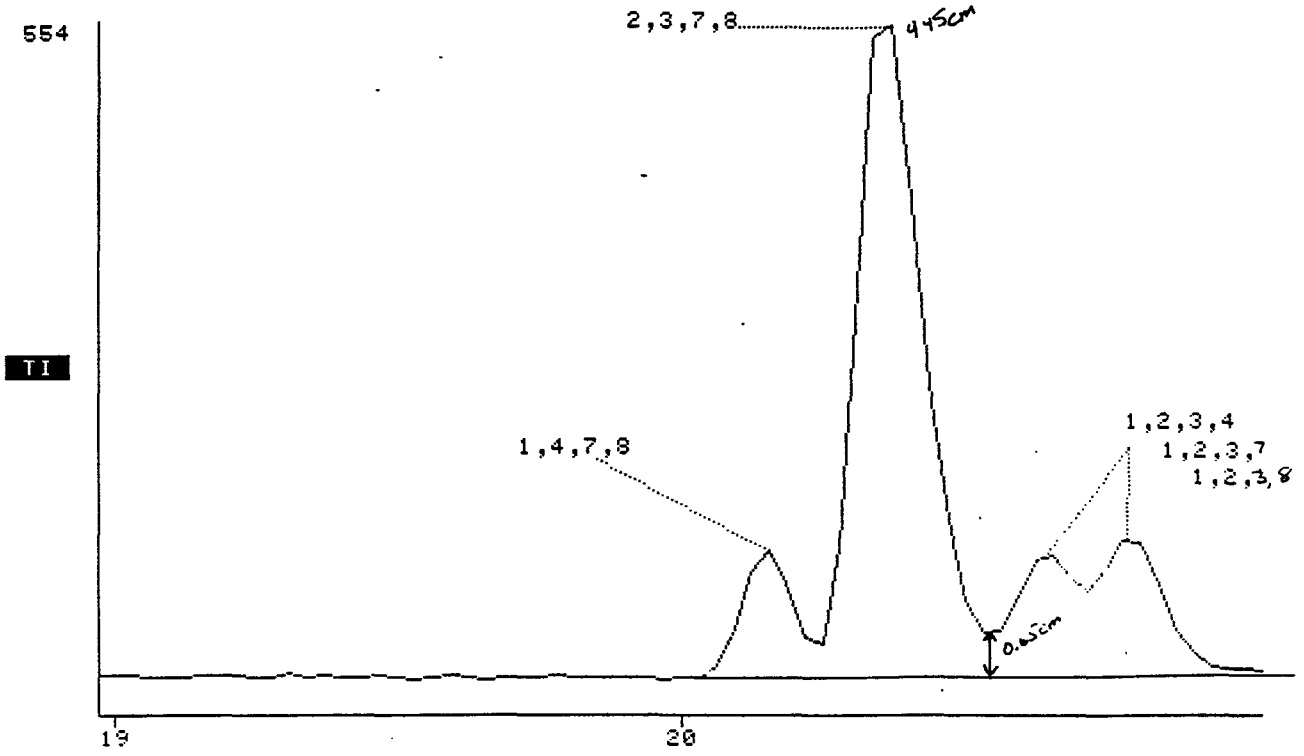
$$\frac{13.0 \text{ mg}}{10 \text{ mg}} \times 100 = 130\%$$

03205838

Case 3089-G-0036

NAME PERF CHK STD 8/29/84 9:05
MISC EM 3000V DWELL 250 MSEC

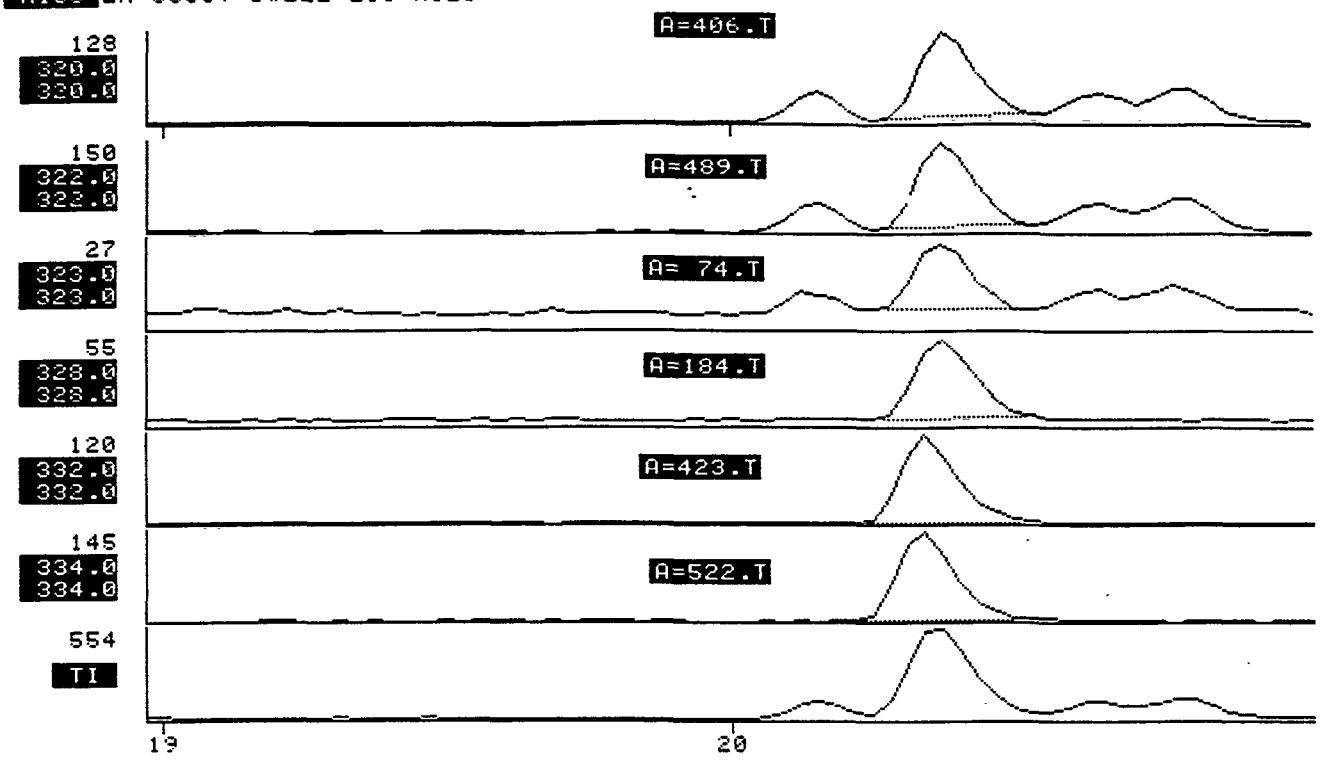
FRN 6016



Valley (%) = $\frac{0.65}{945} \times 100 = 6.9$

Case 3087-6-0057

NAME PERF CHK STD 8/29/84 9:05 FRN 6016
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6016

Entry	Time	Mass	Area	%
1	20.4	320.0	406.	82.9 ✓
2	20.4	322.0	489.	100.0
3	20.4	323.0	74.	15.1 ✓
4	20.4	328.0	184.	37.5
5	20.4	332.0	423.	86.4
6	20.4	334.0	522.	106.8

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6016

Entry	Time	Mass	Area	%
1	20.4	320.0	406.	77.7
2	20.4	322.0	489.	93.6
3	20.4	323.0	74.	14.1
4	20.4	328.0	(80 184.	35.1
5	20.4	332.0	423.	80.9 ✓
6	20.4	334.0	522.	100.0

CALCULATE % ON ENTRY #:

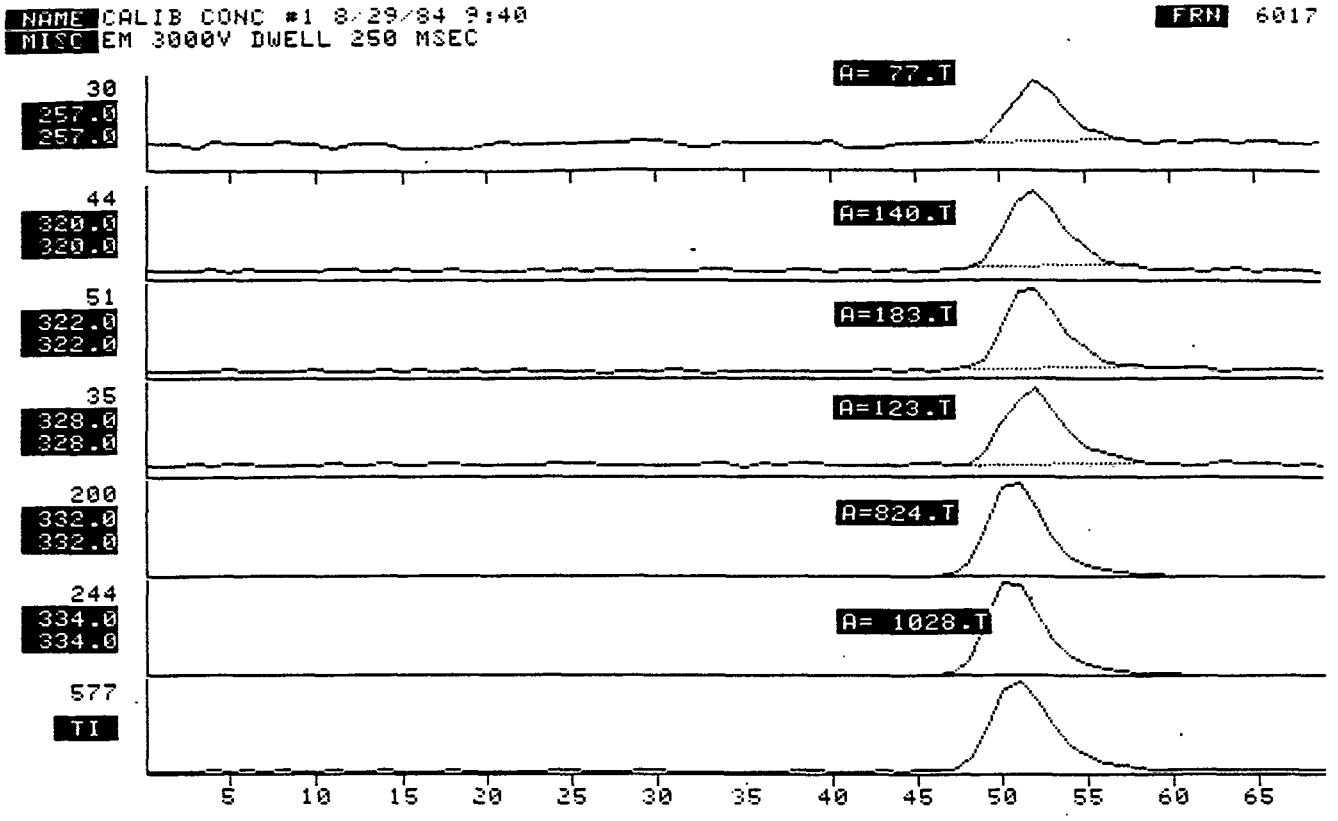
PO 8/30/84

$Rf\ ^{37}Cl_4\text{-}TCDD = \frac{180 \times 2}{445 \times 0.2} = 1.405$

$= \frac{180 \times 1}{445 \times 0.2} = 0.952$

03205500

Case 3089-6-0038



AREA TABLE ENTRIES: FRN 6017

Entry	Time	Mass		Area	%
1	20.5	257.0		77.	42.0
2	20.5	320.0		140.	76.8
3	20.5	322.0		183.	100.0
4	20.5	328.0	121	123.	67.5
5	20.5	332.0		824.	450.9
6	20.5	334.0		1028.	562.5

CALCULATE % ON ENTRY #:

AREA TABLE ENTRIES: FRN 6017

Entry	Time	Mass	Area	%
1	20.5	257.0	77.	7.5
2	20.5	320.0	140.	13.6
3	20.5	322.0	183.	17.8
4	20.5	328.0	123.	12.0
5	20.5	332.0	824.	80.2
6	20.5	334.0	1028.	100.0

CALCULATE % ON ENTRY #:

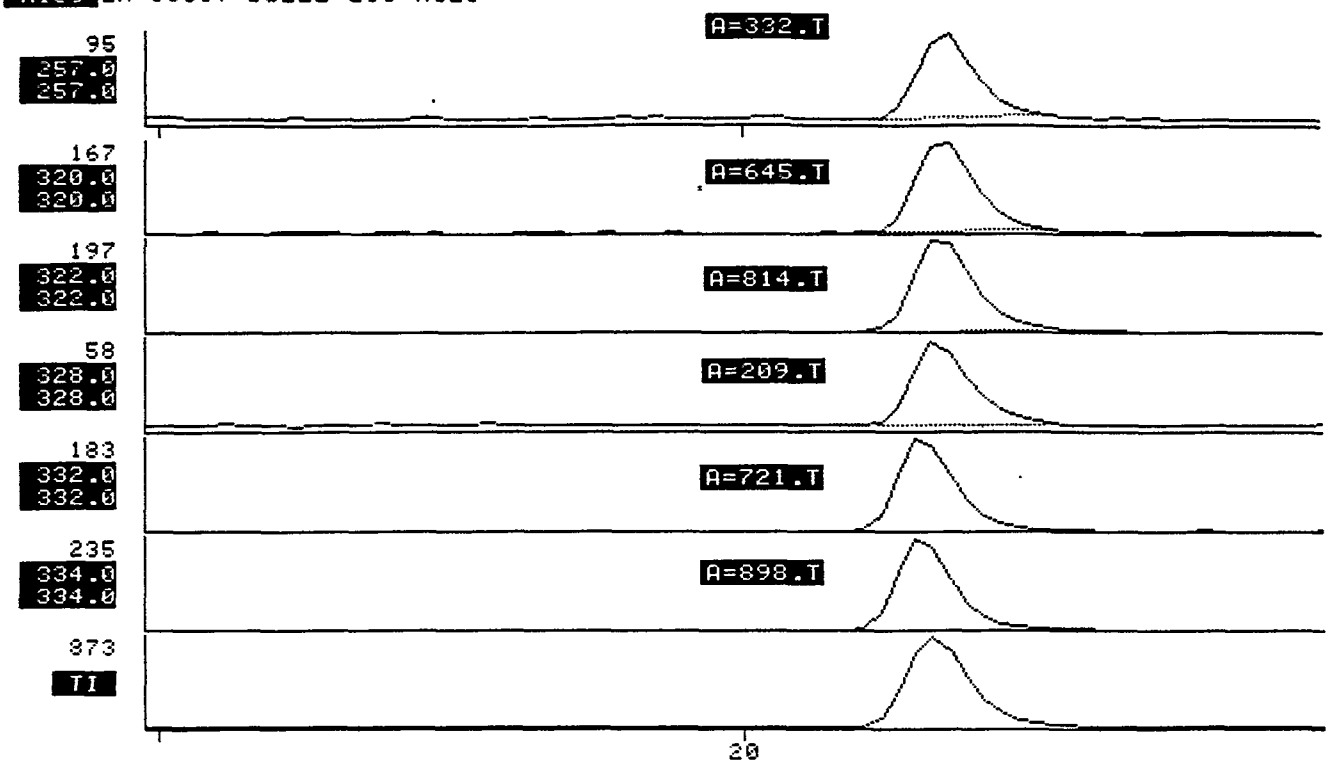
$$Rf\ 2,3,7,8\text{-TCDD} = \frac{323 \times 2}{1852 \times 0.4} = 0.872$$

$$Rf\ ^{37}Cl_4\text{-TCDD} = \frac{121 \times 2}{1852 \times 0.12} = 1.089$$

00205901

Case 3089-6-0039

NAME CALIB CONC #3 8/29/84 10:05 FRN 6018
MISC EM 3000V DWELL 350 MSEC



AREA TABLE ENTRIES: FRN 6018

Entry	Time	Mass	Area	%
1	20.4	257.0	332.	40.8
2	20.4	320.0	645.	79.3
3	20.4	322.0	814.	100.0
4	20.4	328.0	209.	25.6
5	20.3	332.0	721.	88.6
6	20.3	334.0	898.	110.4

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6018

Entry	Time	Mass	Area	%
1	20.4	257.0	332.	37.0
2	20.4	320.0	645.	71.8
3	20.4	322.0	814.	90.6
4	20.4	328.0	202 209.	23.2
5	20.3	332.0	721.	80.2
6	20.3	334.0	898.	100.0

CALCULATE % ON ENTRY #:

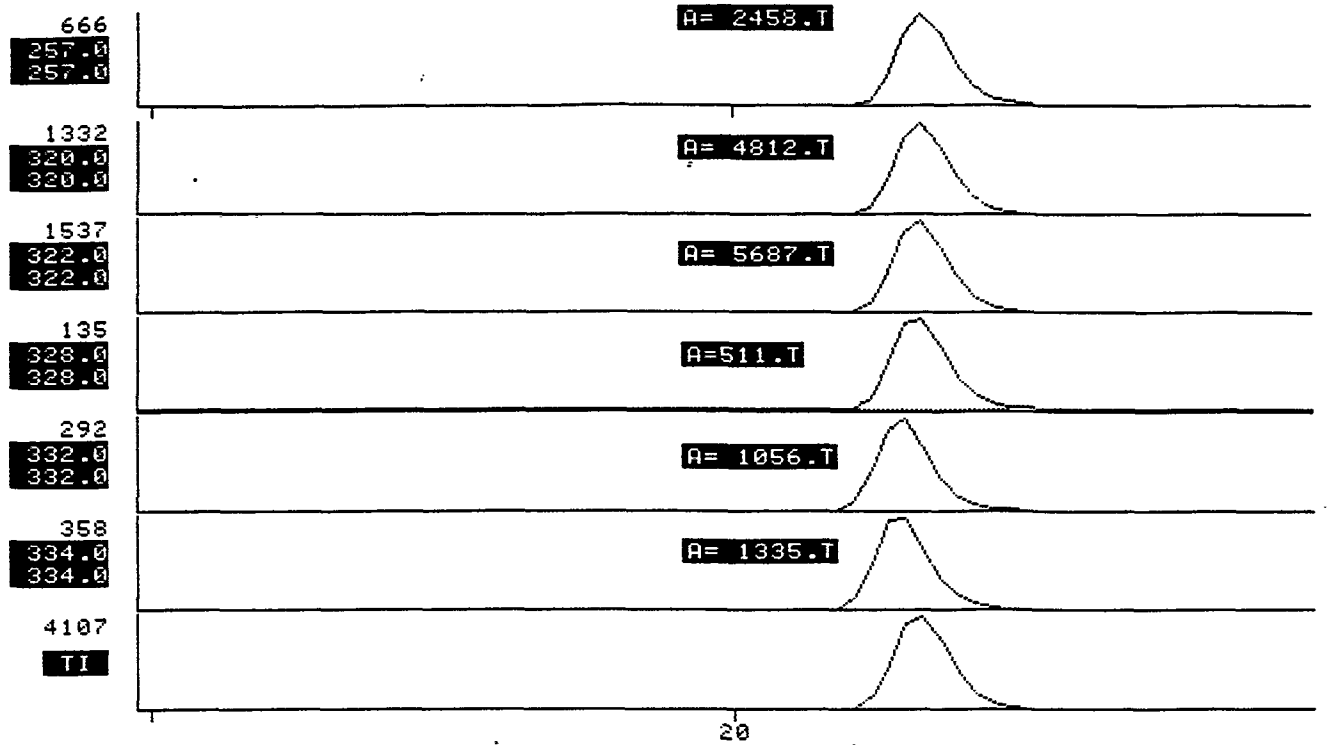
$$Rf \quad 2,3,7,8\text{-TCDD} = \frac{1459 \times 2}{1619 \times 2} = 0.901$$

$$Rf \quad {}^{37}Cl_4\text{-TCDD} = \frac{202 \times 2}{1619 \times 0.24} = 1.040$$

03205902

Case 3089-6-0040

NAME CALIB CONC #3 8/29/84 10:30 FRN 6019
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6019

Entry	Time	Mass		Area	%
1	20.3	257.0		2458.	43.2
2	20.3	320.0		4812.	84.6
3	20.3	322.0		5687.	100.0
4	20.3	328.0	460	511.	9.0
5	20.3	332.0		1056.	18.6
6	20.3	334.0		1335.	23.5

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6019

Entry	Time	Mass	Area	%
1	20.3	257.0	2458.	184.1
2	20.3	320.0	4812.	360.4
3	20.3	322.0	5687.	426.0
4	20.3	328.0	511.	38.3
5	20.3	332.0	1056.	79.1
6	20.3	334.0	1335.	100.0

CALCULATE % ON ENTRY #:

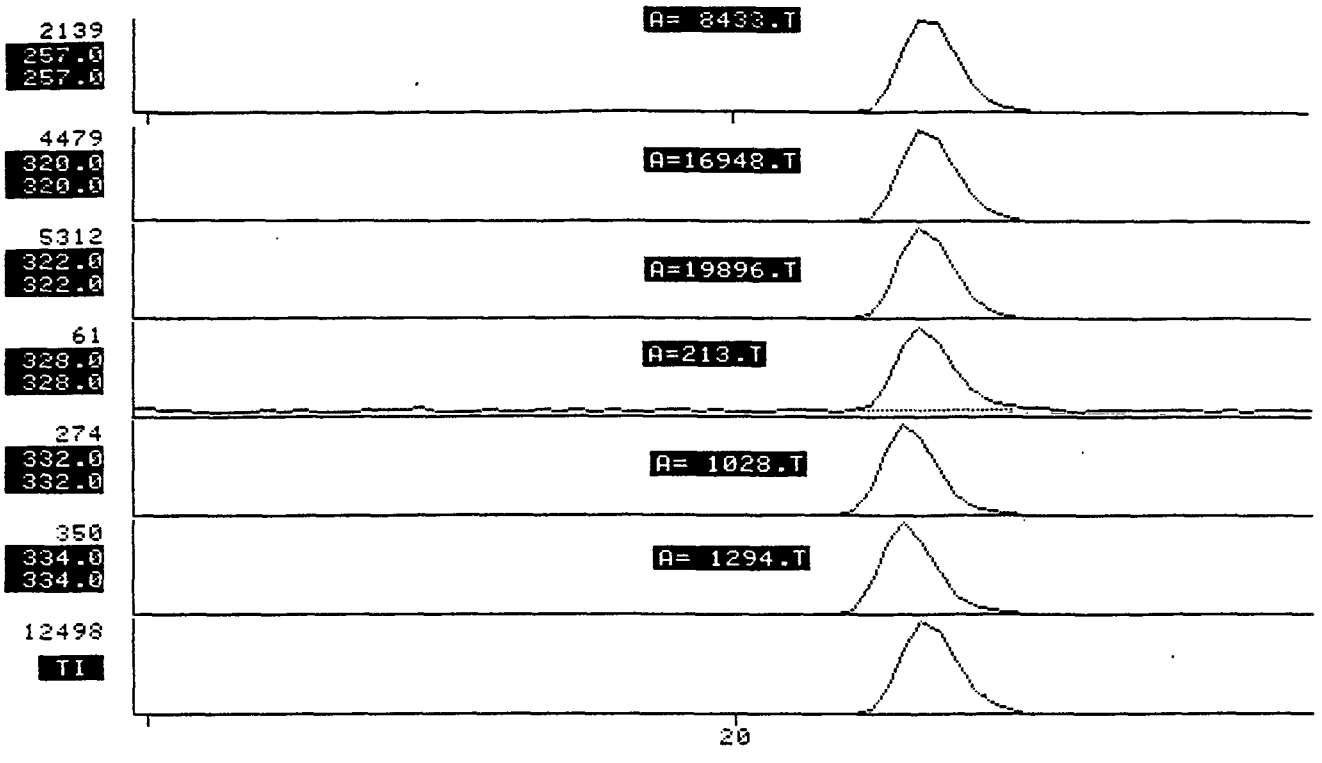
$$Rf\ 2,3,7,8\text{-}TCDD = \frac{10499 \times 2}{2391 \times 10} = 0.878$$

$$Rf\ {}^{37}Cl_4\text{-}TCDD = \frac{460 \times 2}{2391 \times 0.40} = 0.962$$

02205903

Case 3089-6-0041

NAME CALIB CONC #4 8/29/84 10:55 FRN 6020
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6020

Entry	Time	Mass	Area	%
1	20.4	257.0	8433.	42.4
2	20.3	320.0	16948.	85.2
3	20.3	322.0	19896.	100.0
4	20.3	328.0	213.	1.1
5	20.3	332.0	1028.	5.2
6	20.3	334.0	1294.	6.5

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6020

Entry	Time	Mass	Area	%
1	20.4	257.0	8433.	651.6
2	20.3	320.0	16948.	1309.5
3	20.3	322.0	19896.	1537.4
4	20.3	328.0	213.	16.5
5	20.3	332.0	1028.	79.5
6	20.3	334.0	1294.	100.0

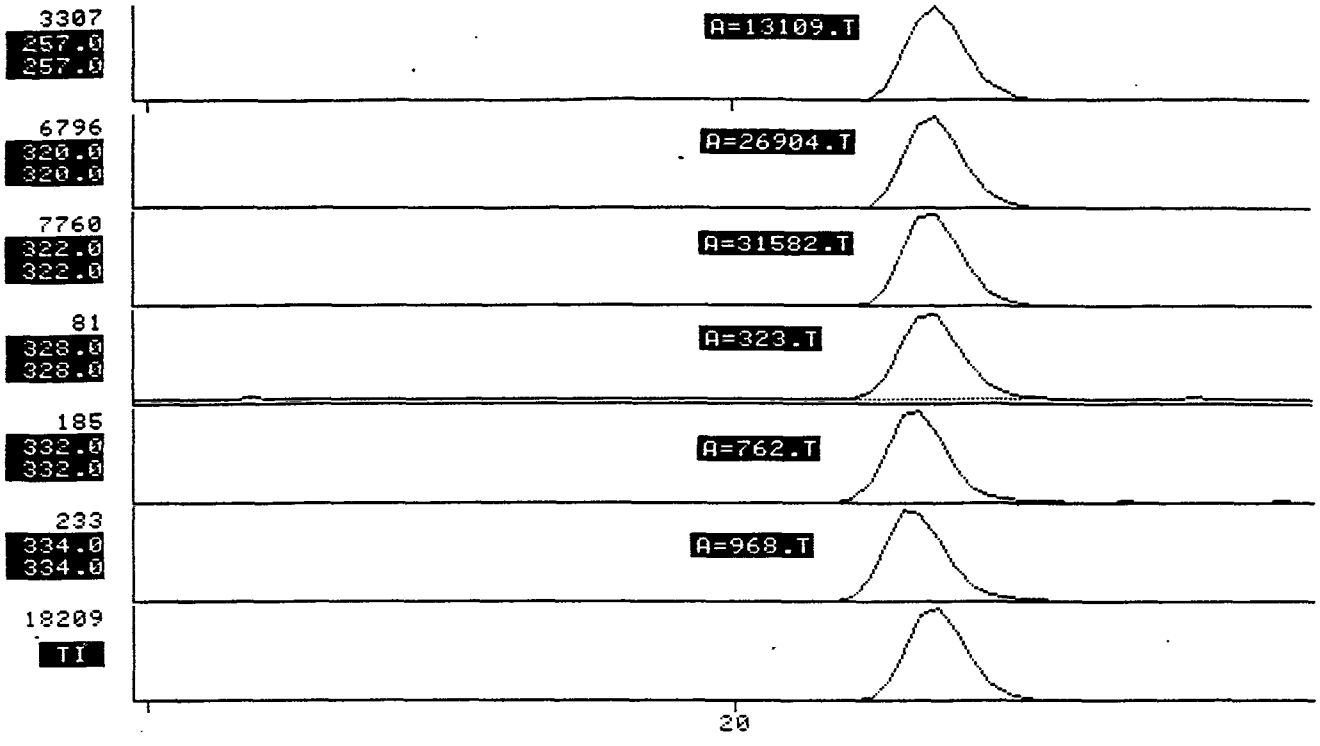
CALCULATE % ON ENTRY #:

$$Rf\ 2,3,7,8\text{-TCDD} = \frac{36844 \times 2}{2322 \times 40} = 0.793$$

03205504

Case 3089-6-0042

NAME CALIB CONC #5 8/29/84 11:20 FRN 6021
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6021

Entry	Time	Mass	Area	%
1	20.4	257.0	13109.	41.5
2	20.4	320.0	26904.	85.2
3	20.4	322.0	31582.	100.0
4	20.3	328.0	323.	1.0
5	20.3	332.0	762.	2.4
6	20.3	334.0	968.	3.1

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6021

Entry	Time	Mass	Area	%
1	20.4	257.0	13109.	1353.5
2	20.4	320.0	26904.	2777.9
3	20.4	322.0	31582.	3260.9
4	20.3	328.0	323.	33.4
5	20.3	332.0	762.	78.7
6	20.3	334.0	968.	100.0

CALCULATE % ON ENTRY #:

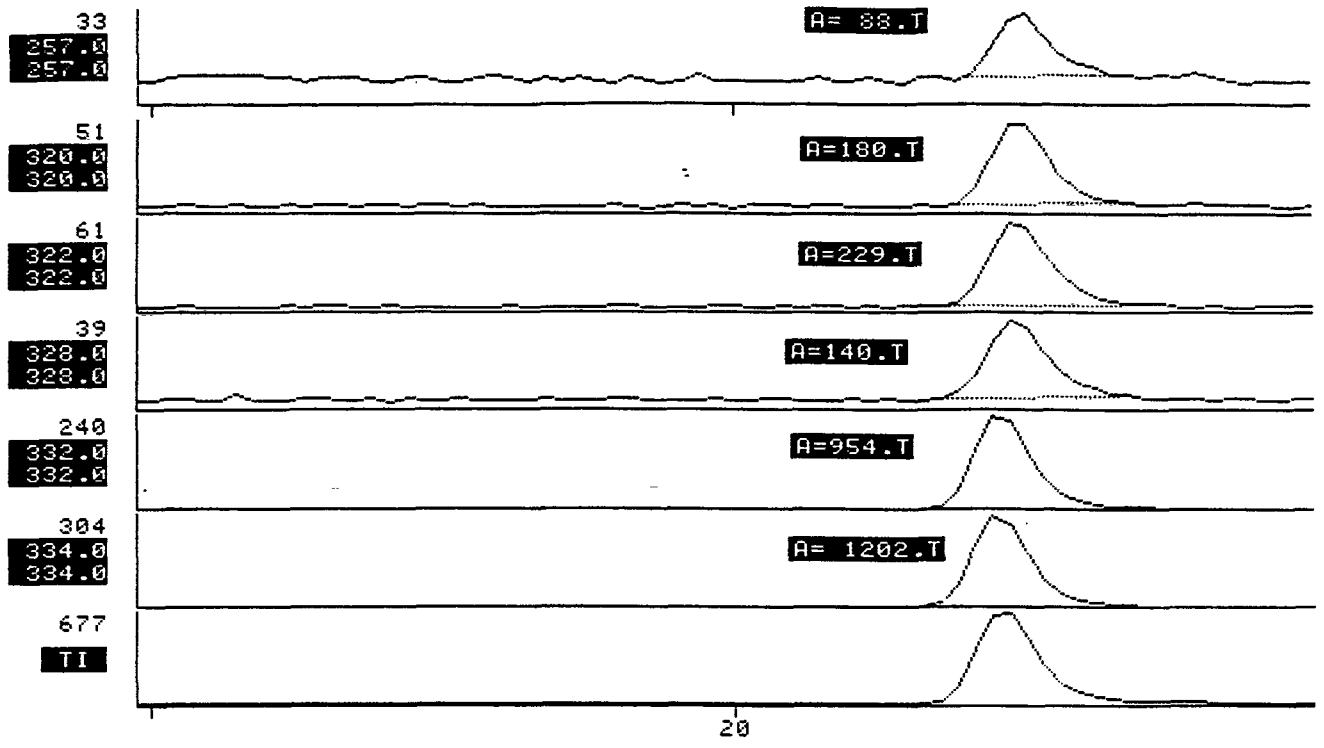
$$Rf_{2,3,7,8\text{-TCDD}} = \frac{5848 \times 2}{1730 \times 80} = 0.845$$

80 diluted

03205905

Case 3089-6-0043

NAME CALIB CONC #2 8/29/84 11:45 (1 8/24/84 DD)
MISC EM 3000V DWELL 250 MSEC
FRN 6022



AREA TABLE ENTRIES: FRN 6022

Entry	Time	Mass	Area	%
1	20.5	257.0	88.	38.2
2	20.5	320.0	180.	78.4
3	20.5	322.0	229.	100.0
4	20.5	328.0	140.	61.0
5	20.5	332.0	954.	415.9
6	20.5	334.0	1202.	523.9

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6022

Entry	Time	Mass	Area	%
1	20.5	257.0	88.	7.3
2	20.5	320.0	180.	15.0
3	20.5	322.0	229.	19.1
4	20.5	328.0	138 140.	11.6
5	20.5	332.0	954.	79.4
6	20.5	334.0	1202.	100.0

CALCULATE % ON ENTRY #:

$$Rf\ 2,3,7,8\text{-TCDD} = \frac{409 \times 2}{2156 \times 0.4} = 0.948$$

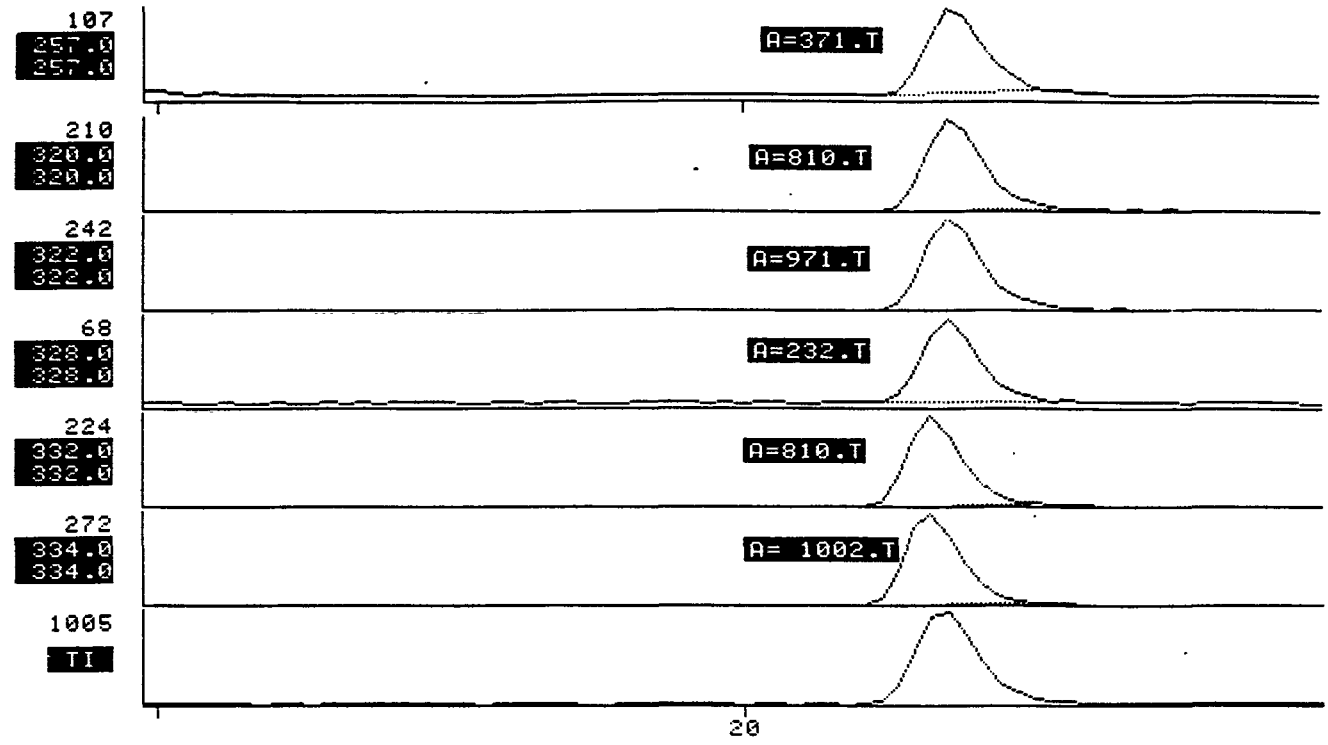
$$Rf\ {}^{37}Cl_4\text{-TCDD} = \frac{138 \times 2}{2156 \times 0.12} = 1.067$$

02205906

Case 3089-6-0044

NAME CALIB CONC #2 8/29/84 12:10
MISC EM 3000V DWELL 250 MSEC

FRN 6023



AREA TABLE ENTRIES: FRN 6023

Entry	Time	Mass		Area	%
1	20.4	257.0		371.	38.2
2	20.4	320.0		810.	83.4
3	20.4	322.0		971.	100.0
4	20.4	328.0		232.	23.9
5	20.4	332.0		810.	83.4
6	20.3	334.0		1002.	103.2

CALCULATE % ON ENTRY #:

AREA TABLE ENTRIES: FRN 6023

Entry	Time	Mass		Area	%
1	20.4	257.0		371.	37.0
2	20.4	320.0		810.	80.8
3	20.4	322.0		971.	96.9
4	20.4	328.0	223	232.	23.2
5	20.4	332.0		810.	80.8
6	20.3	334.0		1002.	100.0

CALCULATE % ON ENTRY #:

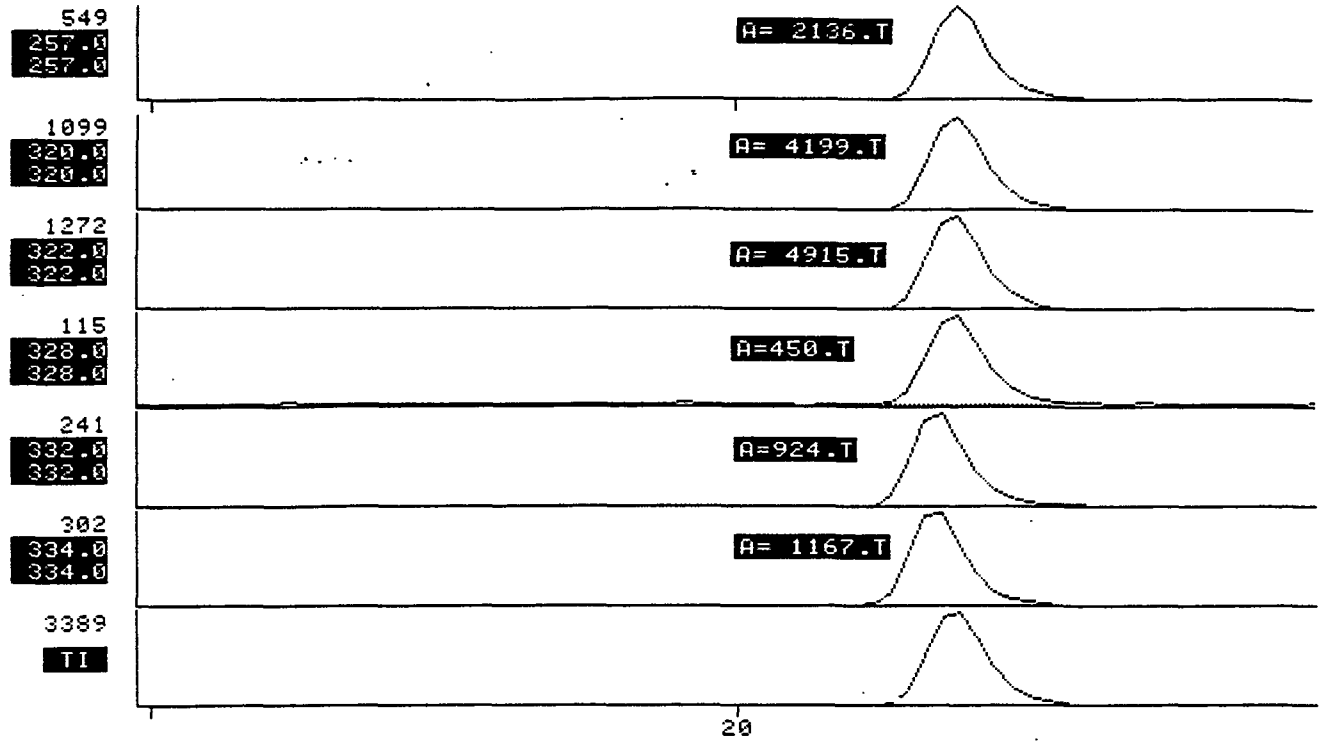
$$Rf \quad 2,3,7,8\text{-TCDD} = \frac{1781 \times 2}{1812 \times 2} = 0.983$$

$$Rf \quad {}^{37}Cl_4\text{-TCDD} = \frac{223 \times 2}{1812 \times 0.24} = 1.026$$

03205907

Case 3089-6-0045

NAME CALIB CONC #3 8/29/84 12:35 FRN 6024
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6024

Entry	Time	Mass	Area	%
1	20.4	257.0	2136.	43.5
2	20.4	320.0	4199.	85.4
3	20.4	322.0	4915.	100.0
4	20.4	328.0	450.	9.2
5	20.4	332.0	924.	18.8
6	20.4	334.0	1167.	23.7

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6024

Entry	Time	Mass	Area	%
1	20.4	257.0	2136.	183.0
2	20.4	320.0	4199.	359.7
3	20.4	322.0	4915.	421.1
4	20.4	328.0	406 450.	38.6
5	20.4	332.0	924.	79.2
6	20.4	334.0	1167.	100.0

CALCULATE % ON ENTRY #:

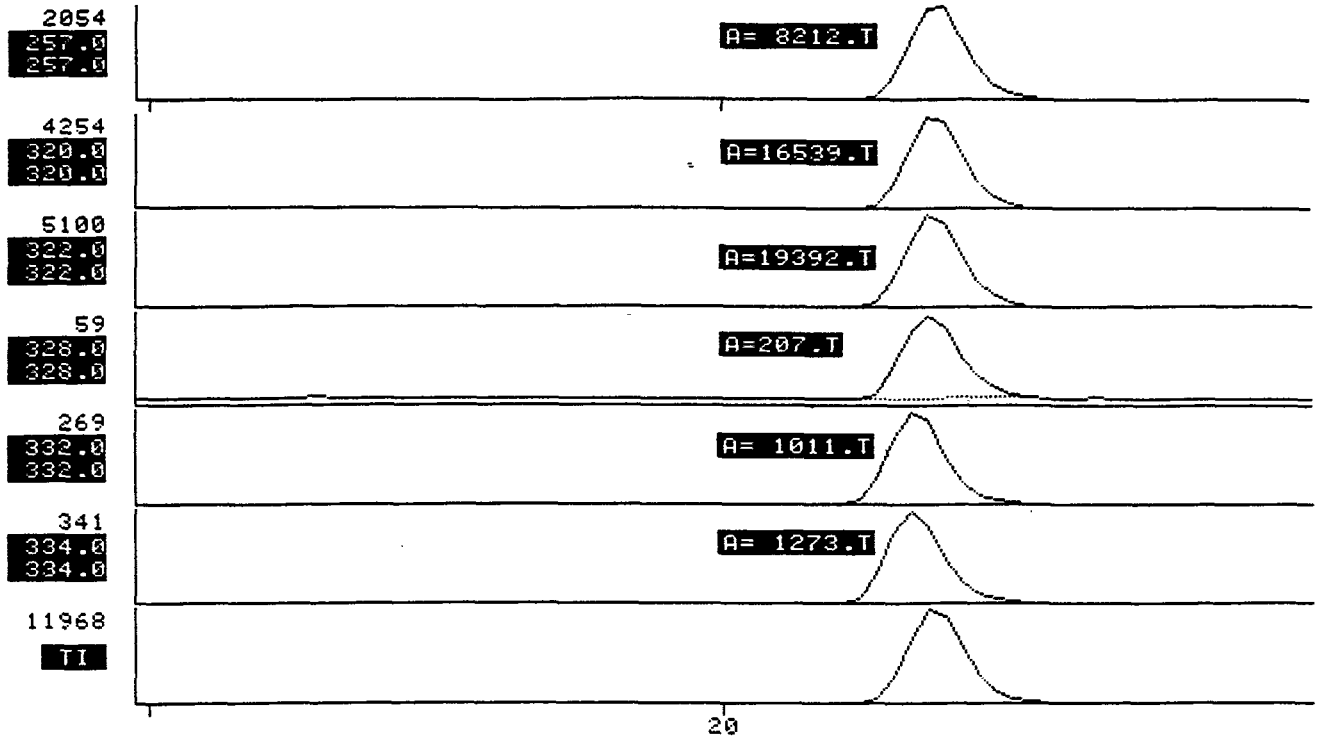
$$Rf\ 2,3,7,8\text{-TCDD} = \frac{9114 \times 2}{2091 \times 10} = 0.872$$

$$Rf\ {}^{37}Cl_4\text{-TCDD} = \frac{406 \times 2}{2091 \times 0.40} = 0.971$$

03205908

Case 3089-6-0046

NAME CALIB CONC #4 8/29/84 13:15 FRN 6025
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6025

Entry	Time	Mass	Area	%
1	20.4	257.0	8212.	42.3
2	20.4	320.0	16539.	85.3
3	20.4	322.0	19392.	100.0
4	20.4	328.0	207.	1.1
5	20.4	332.0	1011.	5.2
6	20.3	334.0	1273.	6.6

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6025

Entry	Time	Mass	Area	%
1	20.4	257.0	8212.	644.8
2	20.4	320.0	16539.	1298.7
3	20.4	322.0	19392.	1522.8
4	20.4	328.0	207.	16.3
5	20.4	332.0	1011.	79.4
6	20.3	334.0	1273.	100.0

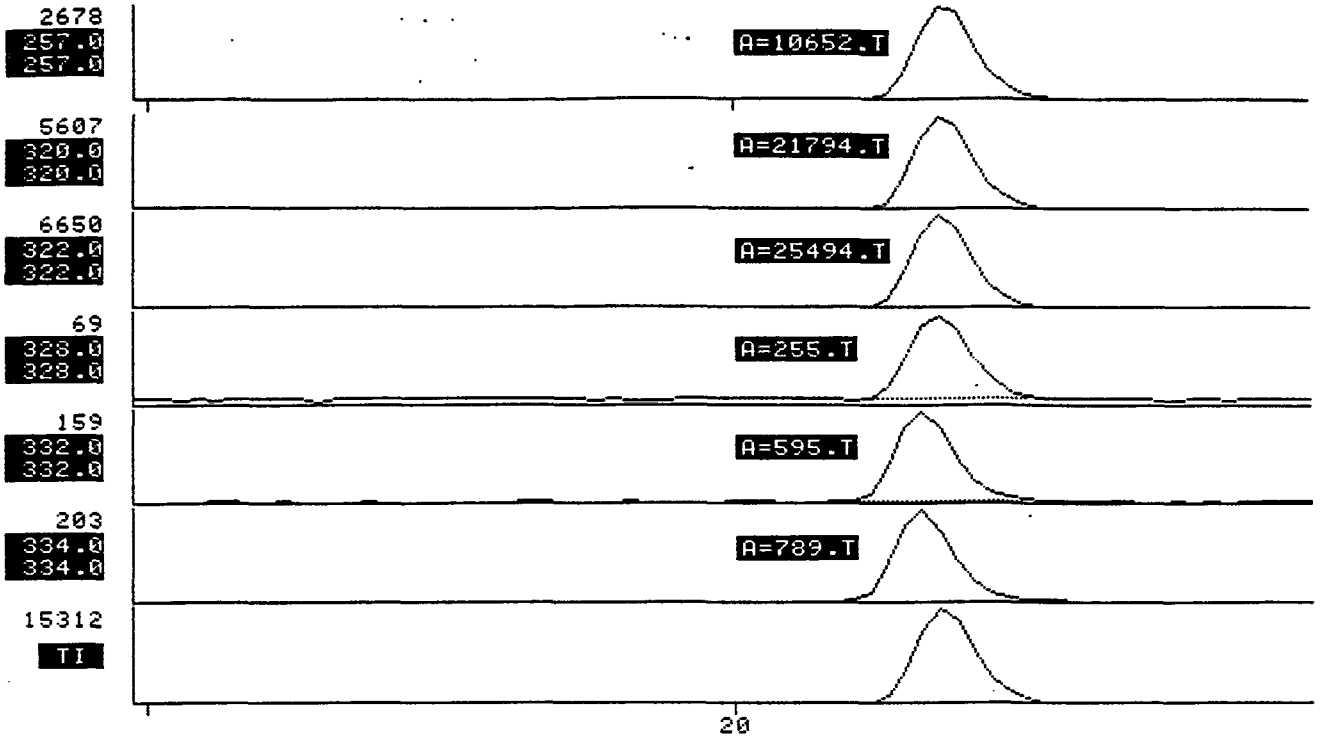
CALCULATE % ON ENTRY #:

$$\text{2,3,7,8-TCDD} = \frac{35921 \times 2}{2284 \times 40} = 0.786$$

03205509

Case 3089-6-0047

NAME CALIB CONC #5 8/29/84 13:40 FRN 6026
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6026

Entry	Time	Mass	Area	%
1	20.4	257.0	10652.	41.8
2	20.4	320.0	21794.	85.5
3	20.4	322.0	25494.	100.0
4	20.4	328.0	255.	1.0
5	20.3	332.0	595.	2.3
6	20.3	334.0	789.	3.1

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6026

Entry	Time	Mass	Area	%
1	20.4	257.0	10652.	1349.8
2	20.4	320.0	21794.	2761.6
3	20.4	322.0	25494.	3230.5
4	20.4	328.0	255.	32.4
5	20.3	332.0	595.	75.5
6	20.3	334.0	789.	100.0

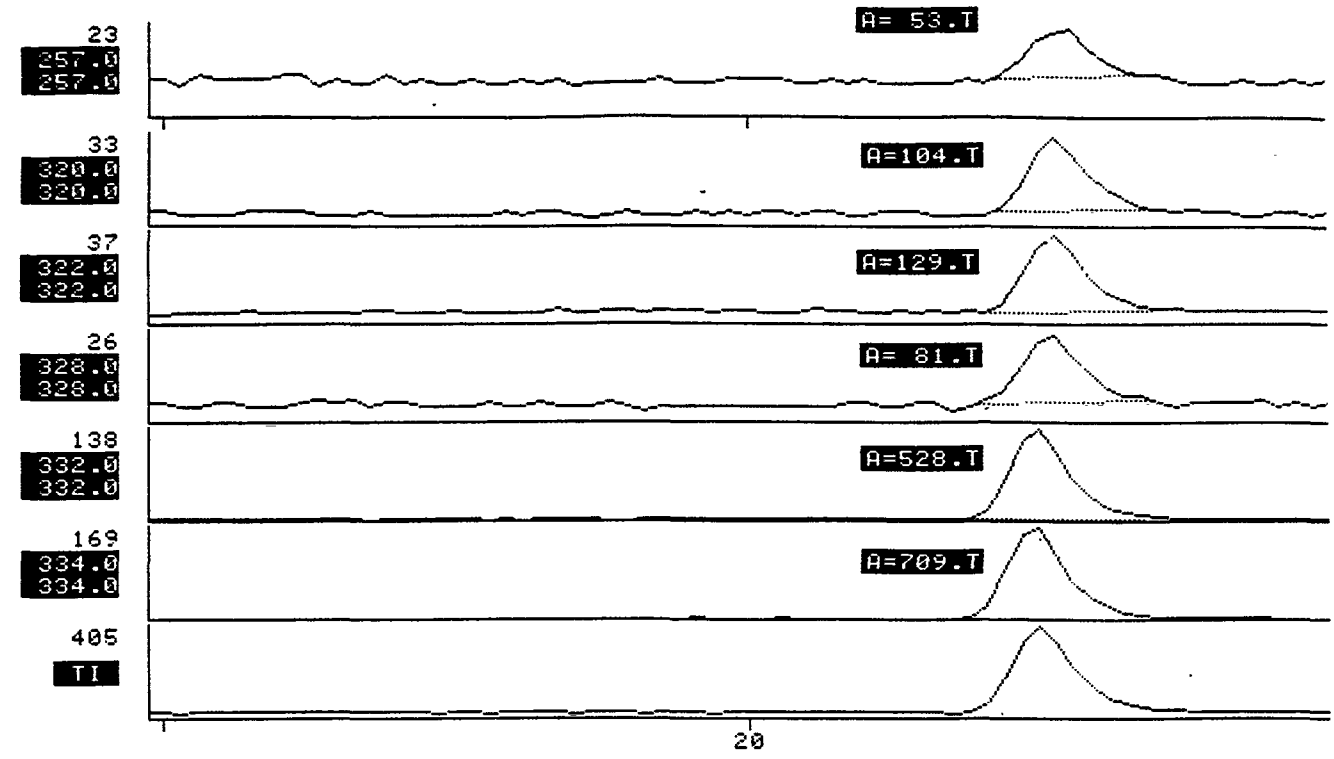
CALCULATE % ON ENTRY #:

$$Rf\ 2,3,7,8\text{-}TCDD = \frac{47288 \times 2}{1384 \times 80} = 0.854$$

00205910

Case 3089-6-0048

NAME CALIB CONC #1 8/29/84 14:05 FRN 6027
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6027

Entry	Time	Mass		Area	%
1	20.5	257.0		53.	41.4
2	20.5	320.0		104.	80.5
3	20.5	322.0		129.	100.0
4	20.5	328.0	80	81.	62.7
5	20.5	332.0		528.	409.4
6	20.5	334.0		709.	549.7

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6027

Entry	Time	Mass	Area	%
1	20.5	257.0	53.	7.5
2	20.5	320.0	104.	14.6
3	20.5	322.0	129.	18.2
4	20.5	328.0	81.	11.4
	20.5	332.0	528.	74.5
6	20.5	334.0	709.	100.0

CALCULATE % ON ENTRY #:

$$Rf\ 2,3,7,8\text{-TCDD} = \frac{233 \times 2}{1237 \times 0.4} = 0.942$$

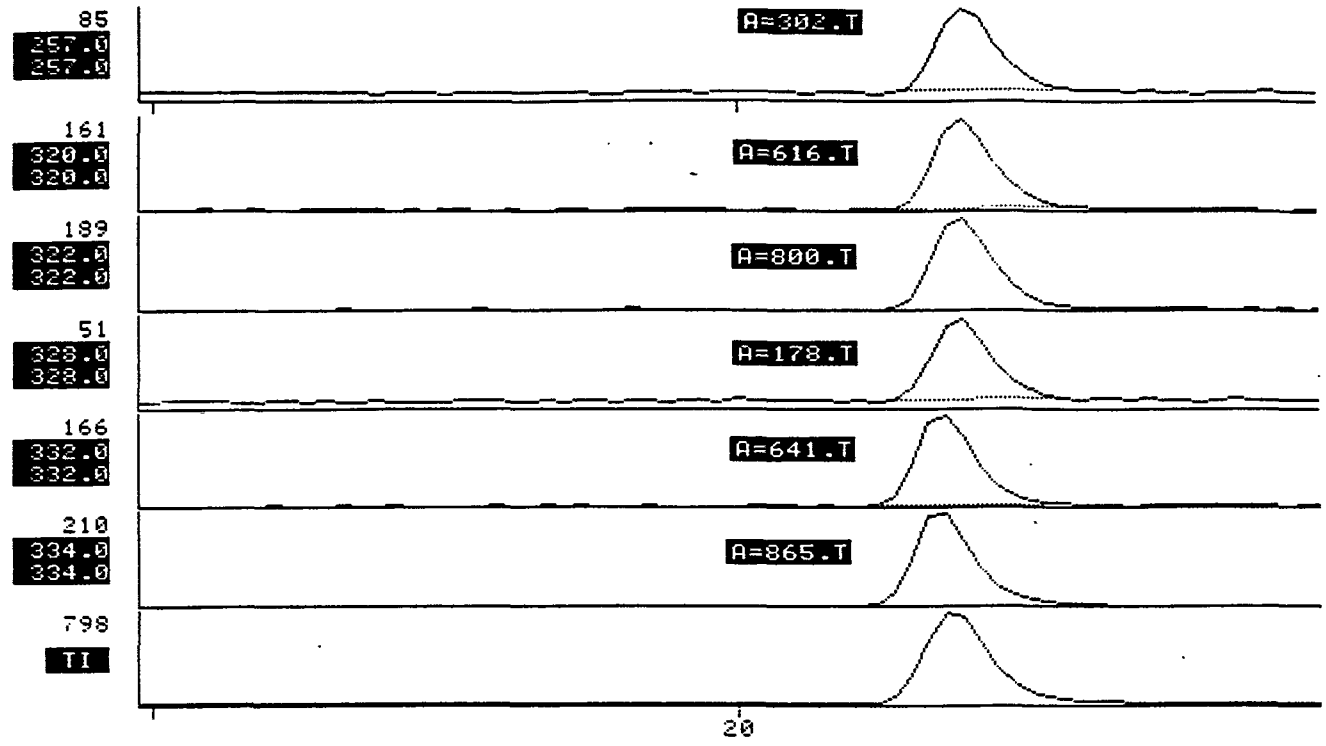
$$Rf\ {}^{37}Cl_4\text{-TCDD} = \frac{80 \times 2}{1237 \times .12} = 1.078$$

03205911

Case 3089-C-0049

NAME CALIB CONC #2 8/29/84 14:30
MISC EM 3000V DWELL 250 MSEC

FRN 6028



AREA TABLE ENTRIES: FRN 6028

Entry	Time	Mass		Area	%
1	20.4	257.0		302.	37.8
2	20.4	320.0		616.	77.0
3	20.4	322.0		800.	100.0
4	20.4	328.0	(7)	178.	22.3
5	20.4	332.0		641.	80.1
6	20.4	334.0		865.	108.0

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6028

Entry	Time	Mass	Area	%
1	20.4	257.0	302.	35.0
2	20.4	320.0	616.	71.2
3	20.4	322.0	800.	92.6
4	20.4	328.0	178.	20.6
5	20.4	332.0	641.	74.1
6	20.4	334.0	865.	100.0

CALCULATE % ON ENTRY #:

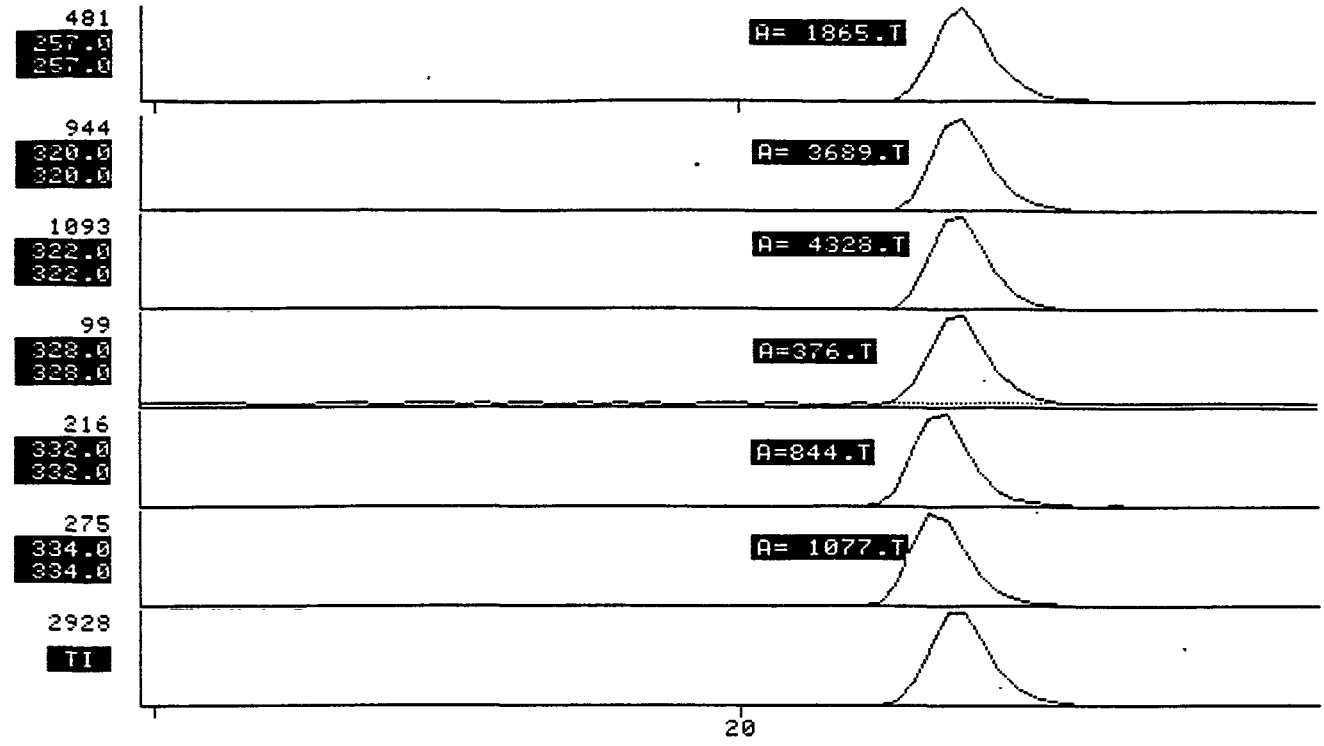
$$Rf\ 2,3,7,8\text{-}TCDD = \frac{1416 \times 2}{1506 \times 2} = 0.940$$

$$Rf\ {}^{37}Cl_4\text{-}TCDD = \frac{171 \times 2}{1506 \times 0.24} = 0.946$$

03205912

Case 3089-6-0050

NAME CALIB CONC #3 8/29/84 14:55 FRN 6029
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6029

Entry	Time	Mass		Area	%
1	20.4	257.0		1865.	43.1
2	20.4	320.0		3689.	85.2
3	20.4	322.0		4328.	100.0
4	20.4	328.0	337	376.	8.7
5	20.4	332.0		844.	19.5
6	20.4	334.0		1077.	24.9

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6029

Entry	Time	Mass	Area	%
1	20.4	257.0	1865.	173.1
2	20.4	320.0	3689.	342.4
3	20.4	322.0	4328.	401.7
4	20.4	328.0	376.	34.9
5	20.4	332.0	844.	78.3
6	20.4	334.0	1077.	100.0

CALCULATE % ON ENTRY #:

$$Rf\ 2,3,7,8\text{-}TCDD = \frac{807 \times 2}{1921 \times 10} = 0.835$$

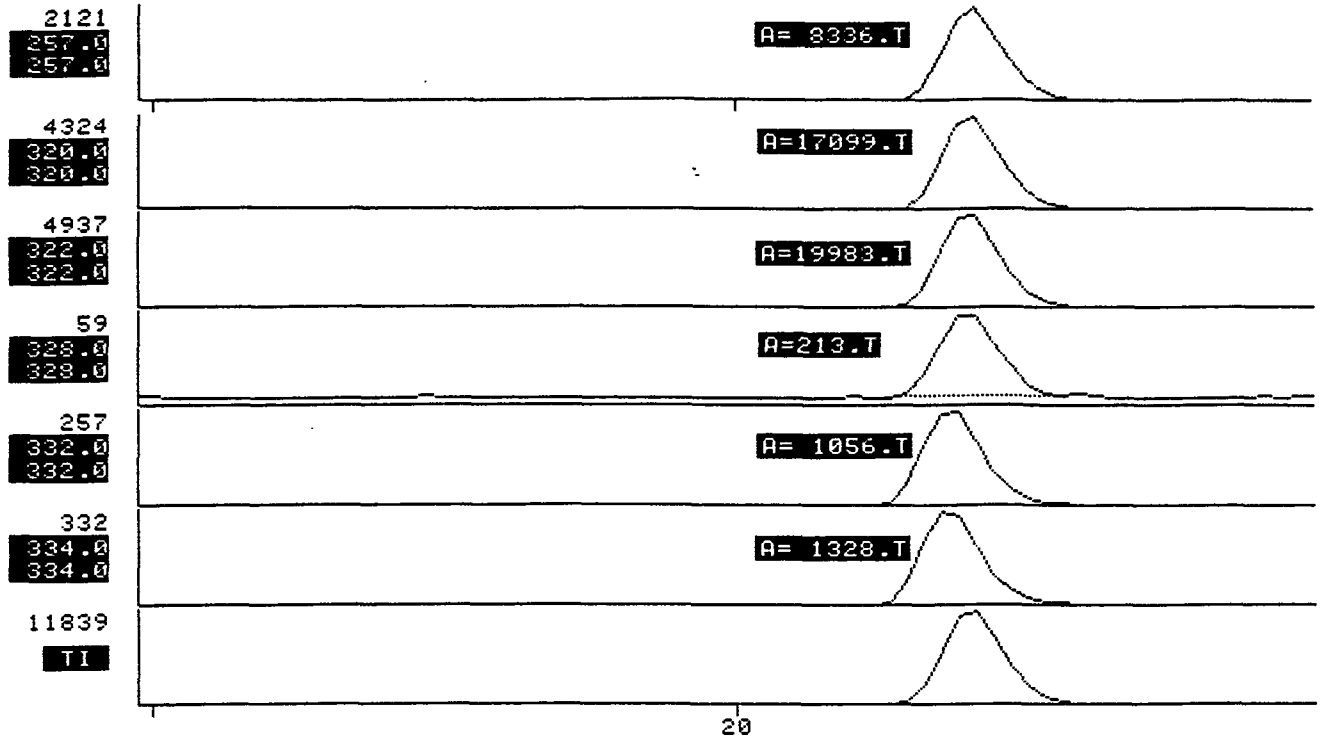
$$Rf\ {}^{37}Cl_4\text{-}TCDD = \frac{337 \times 2}{1921 \times 0.40} = 0.877$$

03205913

Case 3089-C-0051

NAME CALIB CONC #4 8/29/84 15:25
MISC EM 3000V DWELL 250 MSEC

FRN 6030



AREA TABLE ENTRIES: FRN 6030

Entry	Time	Mass	Area	%
1	20.4	257.0	8336.	41.7
2	20.4	320.0	17099.	85.6
3	20.4	322.0	19983.	100.0
4	20.4	328.0	213.	1.1
5	20.4	332.0	1056.	5.3
6	20.4	334.0	1328.	6.6

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6030

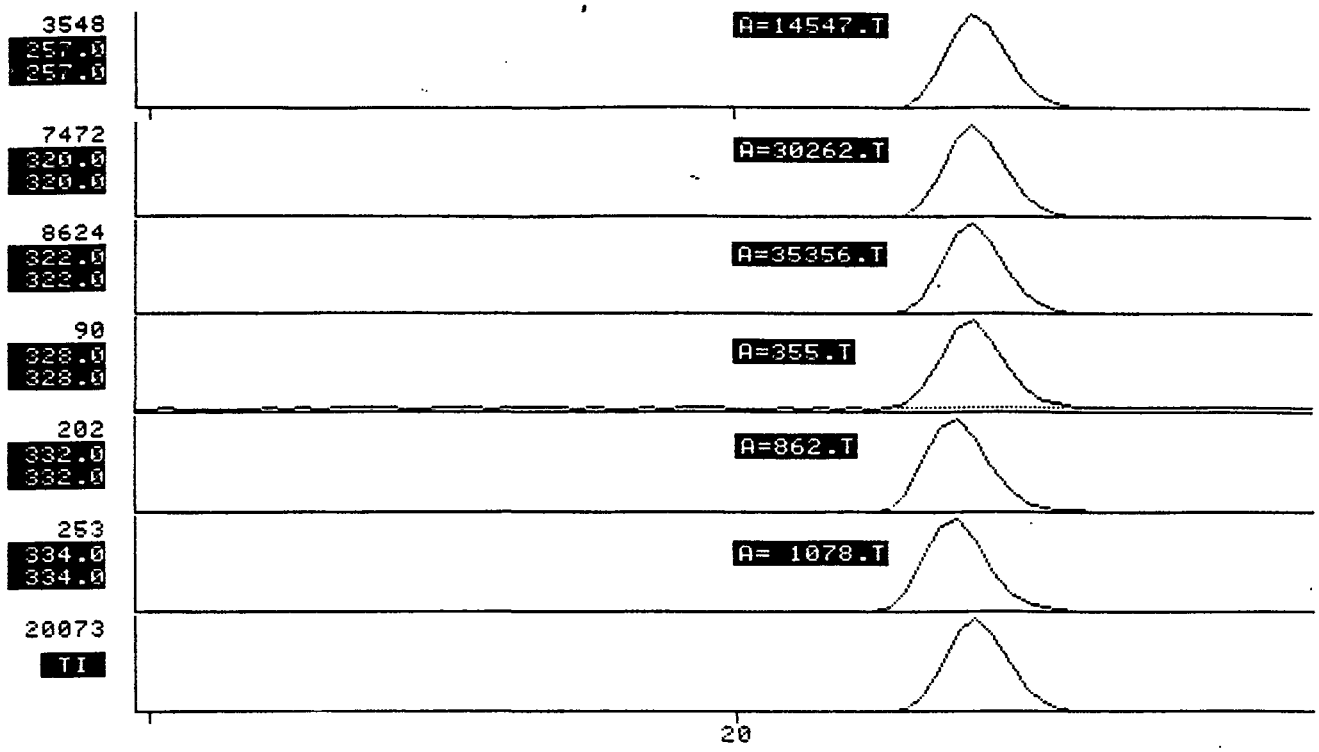
Entry	Time	Mass	Area	%
1	20.4	257.0	8336.	627.6
2	20.4	320.0	17099.	1287.5
3	20.4	322.0	19983.	1504.6
4	20.4	328.0	213.	16.0
5	20.4	332.0	1056.	79.5
6	20.4	334.0	1328.	100.0

$$Rf\ 2,3,7,8\text{-TCDD} = \frac{37082 \times 2}{2384 \times 40} = 0.778$$

Case 3059-C-0052

NAME CALIB CONC #5 8/29/84 15:50
MISC EM 3000V DWELL 250 MSEC po 9/24/84

FRN 6031



AREA TABLE ENTRIES: FRN 6031

Entry	Time	Mass	Area	%
1	20.4	257.0	14547.	41.1
2	20.4	320.0	30262.	85.6
3	20.4	322.0	35356.	100.0
4	20.4	328.0	355.	1.0
5	20.4	332.0	862.	2.4
6	20.4	334.0	1078.	3.0

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6031

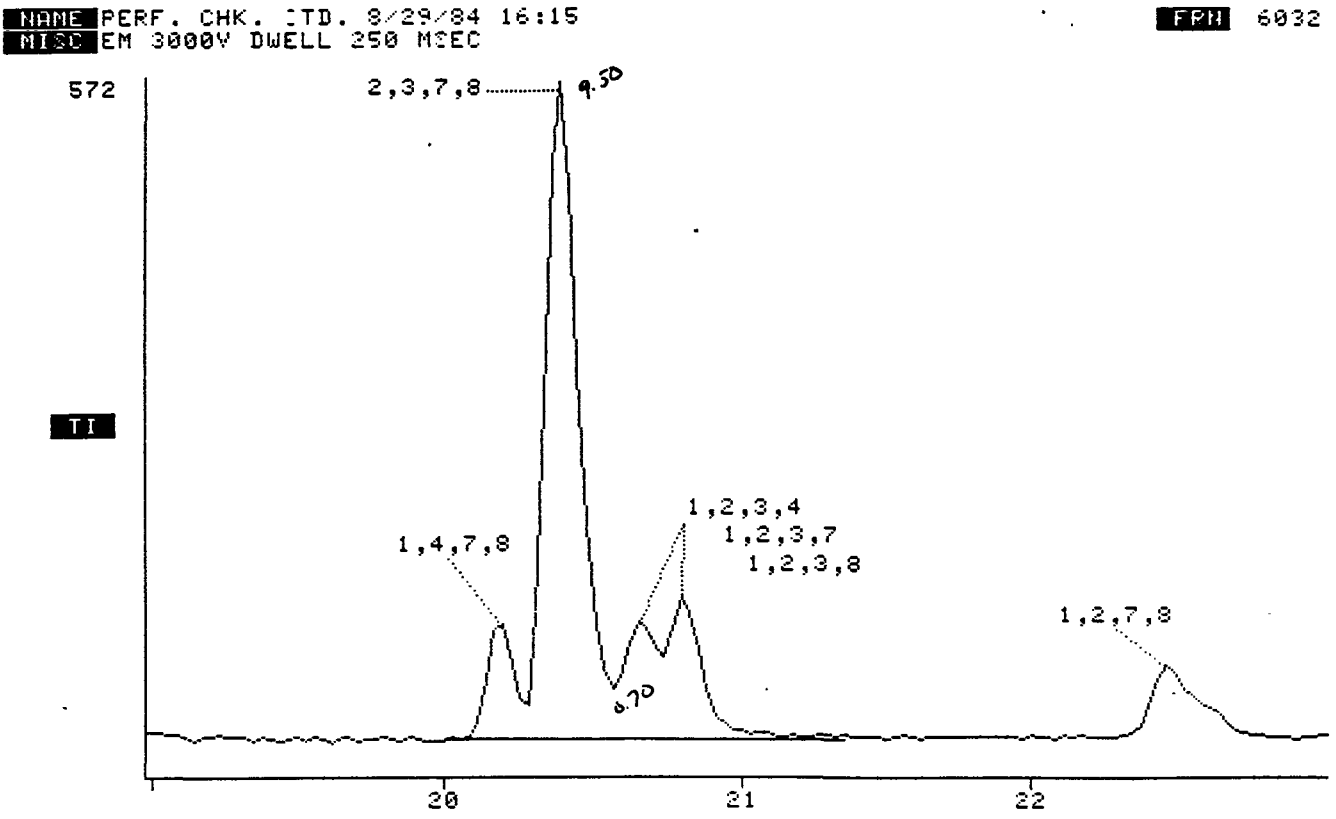
Entry	Time	Mass	Area	%
1	20.4	257.0	14547.	1349.3
2	20.4	320.0	30262.	2806.9
3	20.4	322.0	35356.	3279.5
4	20.4	328.0	355.	33.0
5	20.4	332.0	862.	79.9
6	20.4	334.0	1078.	100.0

CALCULATE % ON ENTRY #:

$$Rf\ 2,3,7,8\text{-TCDD} = \frac{65618 \times 2}{1940 \times 80} = 0.846$$

03205915

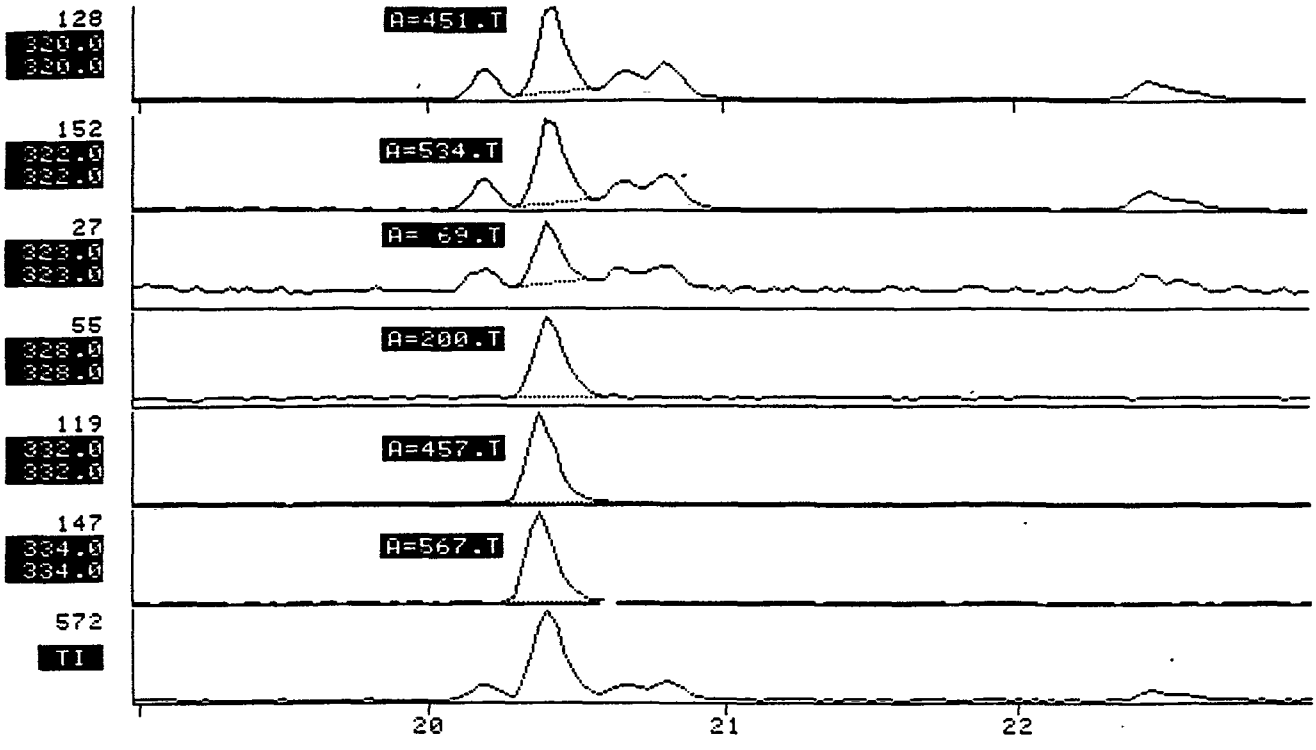
Case 3089-6-0053



$$\text{Valley (\%)} = \frac{0.70}{9.50} \times 100 = 7.4\%$$

Case 3085-6-0054

NAME PERF. CHK. STD. 8/29/84 16:15 FRN 6032
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6032

Entry	Time	Mass		Area	%
1	20.5	320.0		451.	84.4
2	20.4	322.0		534.	100.0
3	20.5	323.0		69.	12.9
4	20.4	328.0	195	200.	37.4
5	20.5	332.0		457.	85.6
6	20.5	334.0		567.	106.2

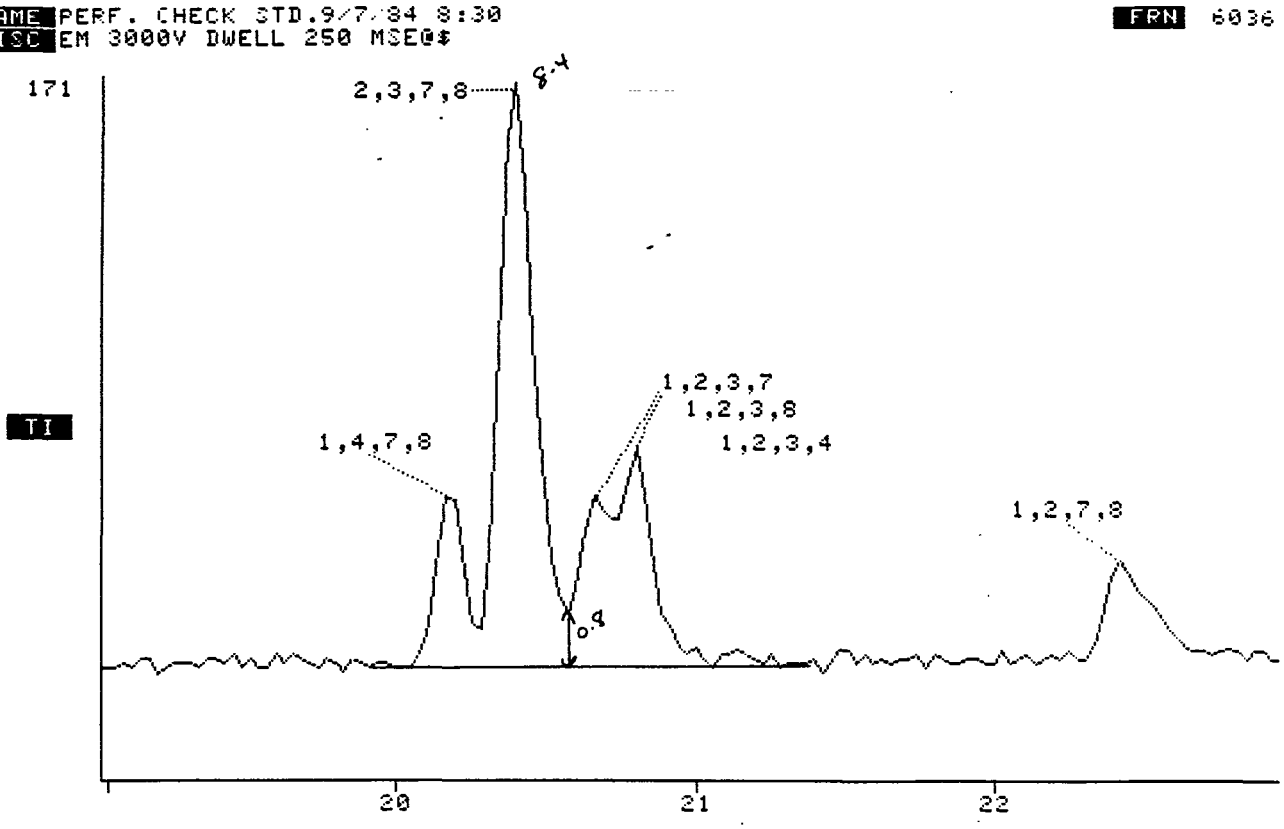
CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6032

Entry	Time	Mass	Area	%
1	20.5	320.0	451.	79.5
2	20.4	322.0	534.	94.2
3	20.5	323.0	69.	12.1
4	20.4	328.0	200.	35.2
5	20.5	332.0	457.	80.6
6	20.5	334.0	567.	100.0

CALCULATE % ON ENTRY #:

Rf $^{37}Cl_4$-TCDD = $\frac{195 \times 1}{1024 \times .2}$ = 0.952

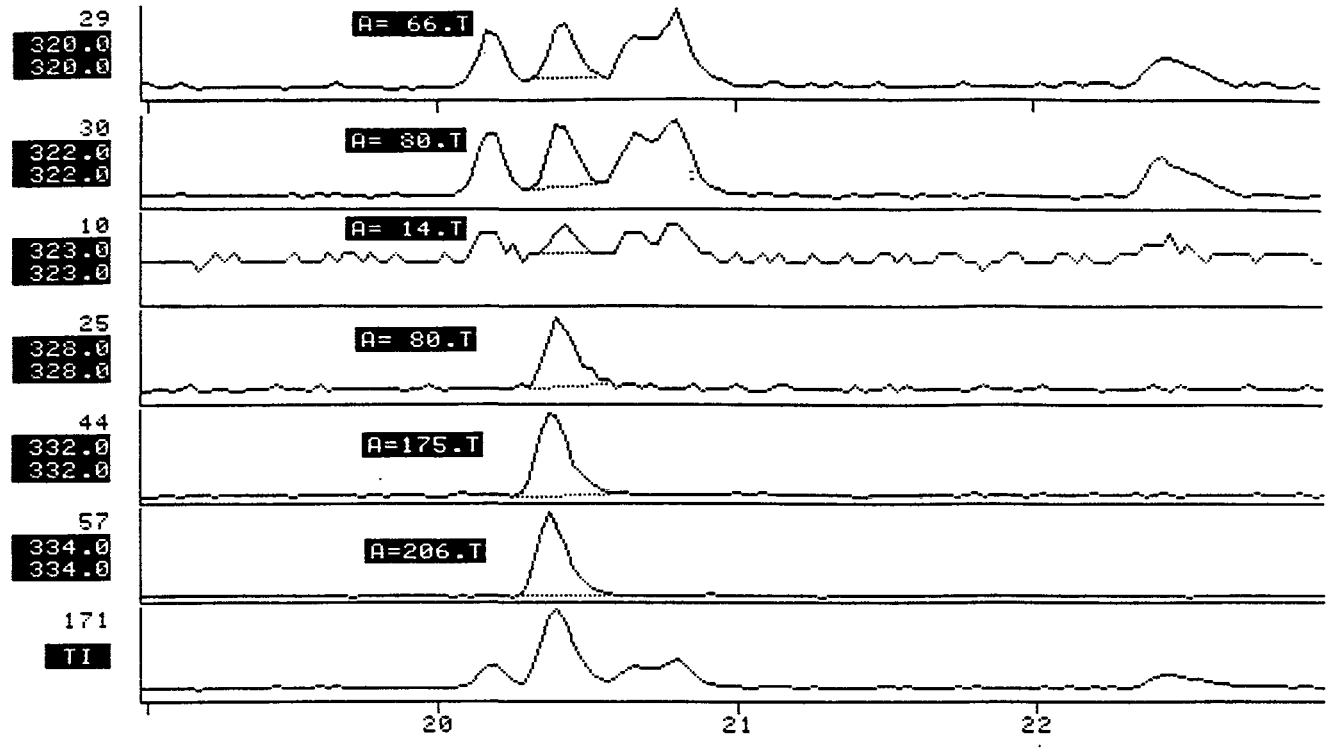
3084-6-0056



Valley. % = $\frac{0.80}{8.40} \times 100 = 9.5$

3089-6-0057

NAME PERF. CHECK STD.9/7/84 8:30 FRN 6036
MISC EM 3000V DWELL 250 MSEC$



AREA TABLE ENTRIES: FRN 6036

Entry	Time	Mass	Area	%
1	20.5	320.0	66.	81.8 ✓
2	20.5	322.0	80.	100.0
3	20.5	323.0	14.	17.9 ✓
4	20.5	328.0	80.	99.5
5	20.4	332.0	175.	218.4
6	20.4	334.0	206.	257.6

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6036

Entry	Time	Mass	Area	%
1	20.5	320.0	66.	31.8
2	20.5	322.0	80.	38.8
3	20.5	323.0	14.	7.0
4	20.5	328.0	79 80.	38.6
5	20.4	332.0	175.	84.8 ✓
6	20.4	334.0	206.	100.0

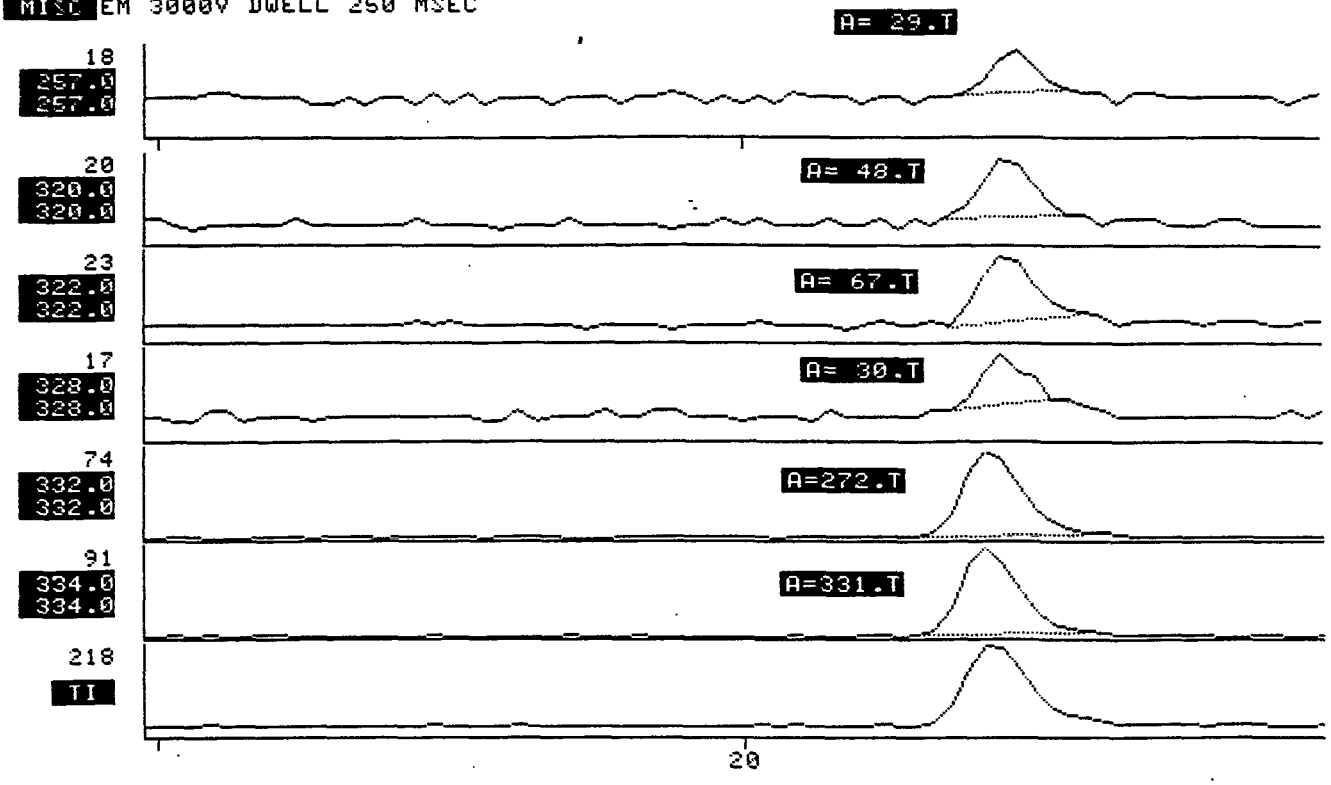
CALCULATE % ON ENTRY #:

$Rf\ ^{37}Cl_4\text{-}TCDD = \frac{79 \times 1}{381 \times 0.2} = 1.037$ ✓

00205919

3089-C-0058

NAME CALIB CONC #1 9/7/84 10:10 FRN 6037
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6037

Entry	Time	Mass	Area	%
1	20.5	257.0	29.	42.9 ✓
2	20.5	320.0	48.	72.1 ✓
3	20.5	322.0	67.	100.0
4	20.5	328.0	30.	45.2
5	20.4	332.0	272.	404.8
6	20.4	334.0	331.	492.5

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6037

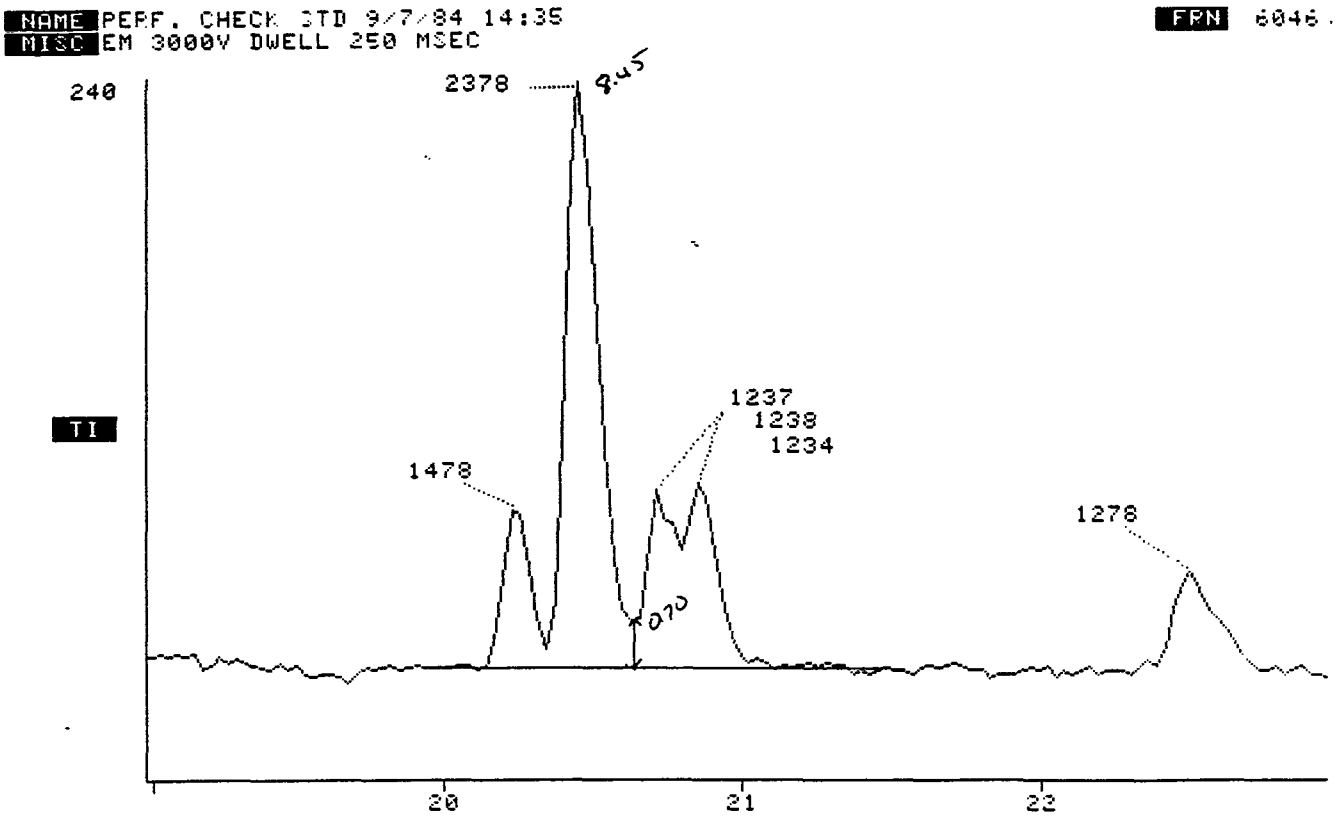
Entry	Time	Mass	Area	%
1	20.5	257.0	29.	8.7
2	20.5	320.0	48.	14.6
3	20.5	322.0	67.	20.3
4	20.5	328.0	30.	9.2
5	20.4	332.0	272.	82.2 ✓
6	20.4	334.0	331.	100.0

CALCULATE % ON ENTRY #:

$2f\ 2,3,7,8\text{-TCDD} = \frac{115 \times 2}{603 \times 0.4} = 0.954$ ✓

03205920

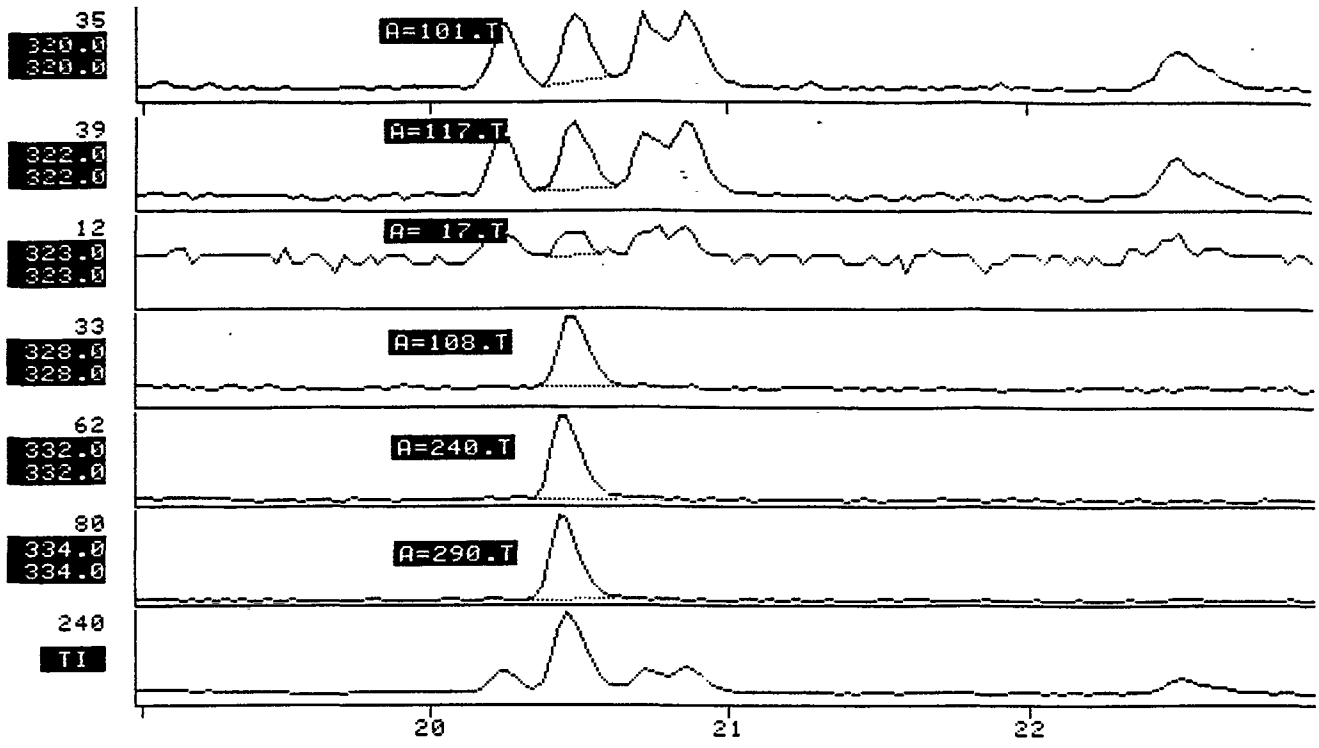
3089-6-0056



Valley (%) = $\frac{0.70}{8.45} \times 100 = 8.3$

3089-C-0057

NAME PERF. CHECK ITD 9/7/84 14:35 FRN 6046
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6046

Entry	Time	Mass	Area	%
1	20.5	320.0	101.	86.0 ✓
2	20.5	322.0	117.	100.0
3	20.5	323.0	17.	14.7 ✓
4	20.5	328.0	108.	92.7
5	20.5	332.0	240.	205.3
6	20.5	334.0	290.	247.4

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6046

Entry	Time	Mass	Area	%
1	20.5	320.0	101.	34.8
2	20.5	322.0	117.	40.4
3	20.5	323.0	17.	5.9
4	20.5	328.0	107 108.	37.5
5	20.5	332.0	240.	83.0 ✓
6	20.5	334.0	290.	100.0

CALCULATE % ON ENTRY #: peaks

~~Rf 2,3,7,8-TCDD~~ $= \frac{215 \times 121}{530 \times 0.4} = 1.028$ ✓

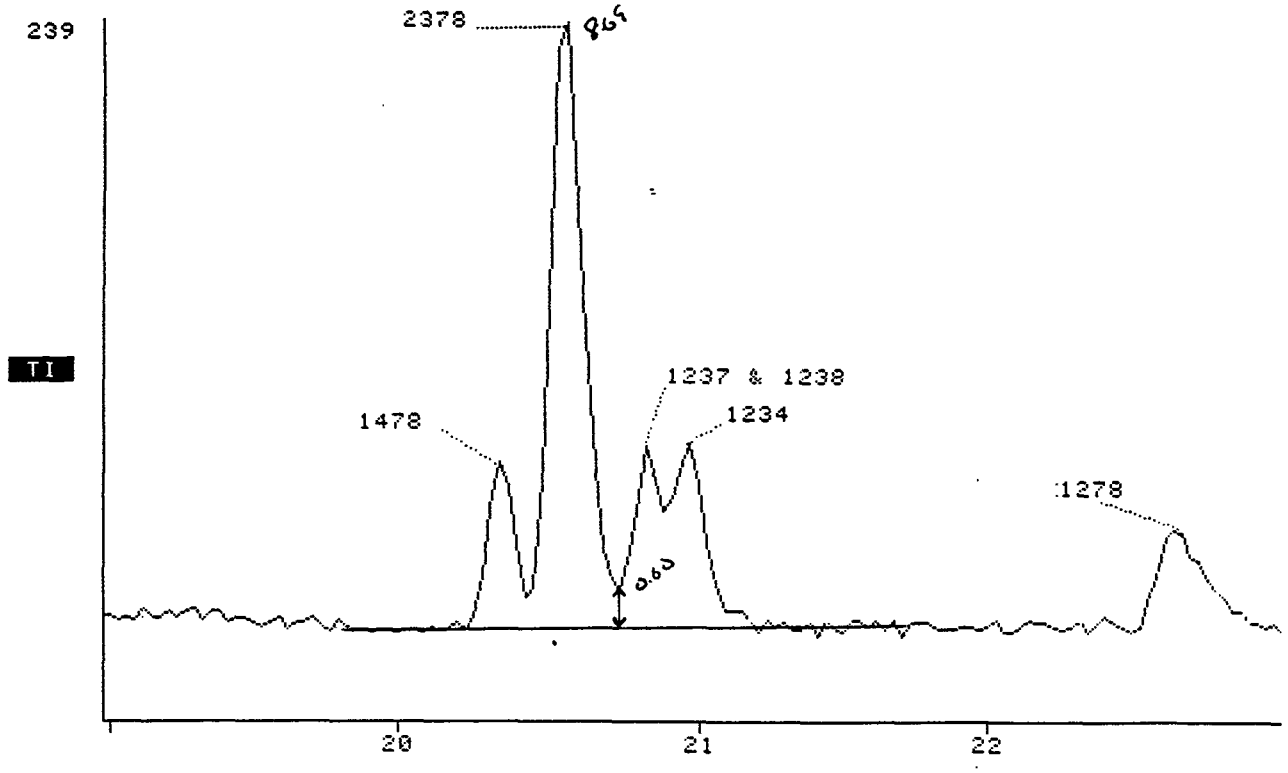
Rf $^{37}Cl_4$-TCDD $= \frac{107 \times 1}{530 \times \frac{0.2}{0.2}} = 1.009$ ✓

03205922

3084-6-0056

NAME PERF. CHECK STD 9/10/84 8:35
MISC EM 3000V DWELL 250 MSEC

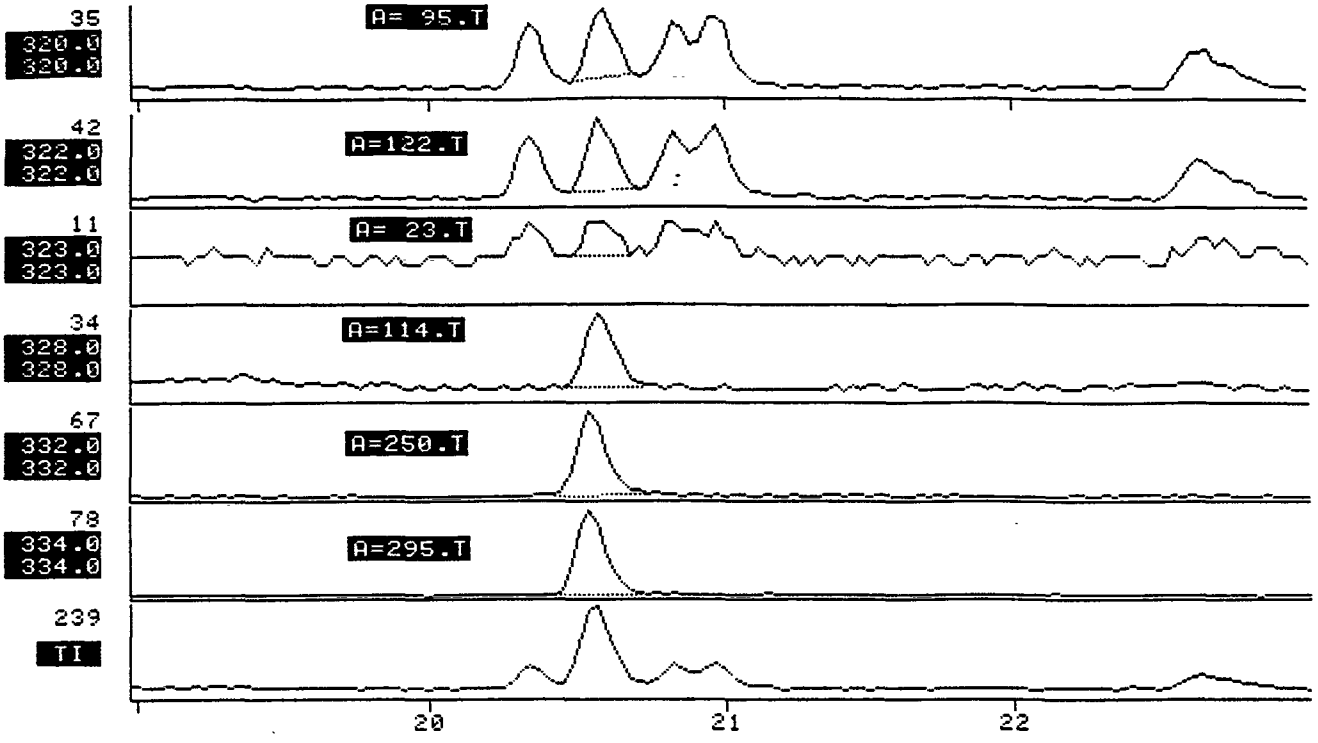
FRN 6047



$$\text{Valley (\%)} = \frac{0.60}{8.69} \times 100 = 6.9$$

3089-6-0057

NAME PERF. CHECK STD 9/10/84 8:35 FRN 6047
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6047

Entry	Time	Mass	Area	%
1	20.6	320.0	95.	78.3 ✓
2	20.6	322.0	122.	100.0
3	20.6	323.0	23.	19.0 ✓
4	20.6	328.0	114.	93.1
5	20.6	332.0	250.	205.2
6	20.6	334.0	295.	242.3

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6047

Entry	Time	Mass	Area	%
1	20.6	320.0	95.	32.3
2	20.6	322.0	122.	41.3
3	20.6	323.0	23.	7.8
4	20.6	328.0	113 114.	38.4 ✓
5	20.6	332.0	250.	84.7 ✓
6	20.6	334.0	295.	100.0

CALCULATE % ON ENTRY #:

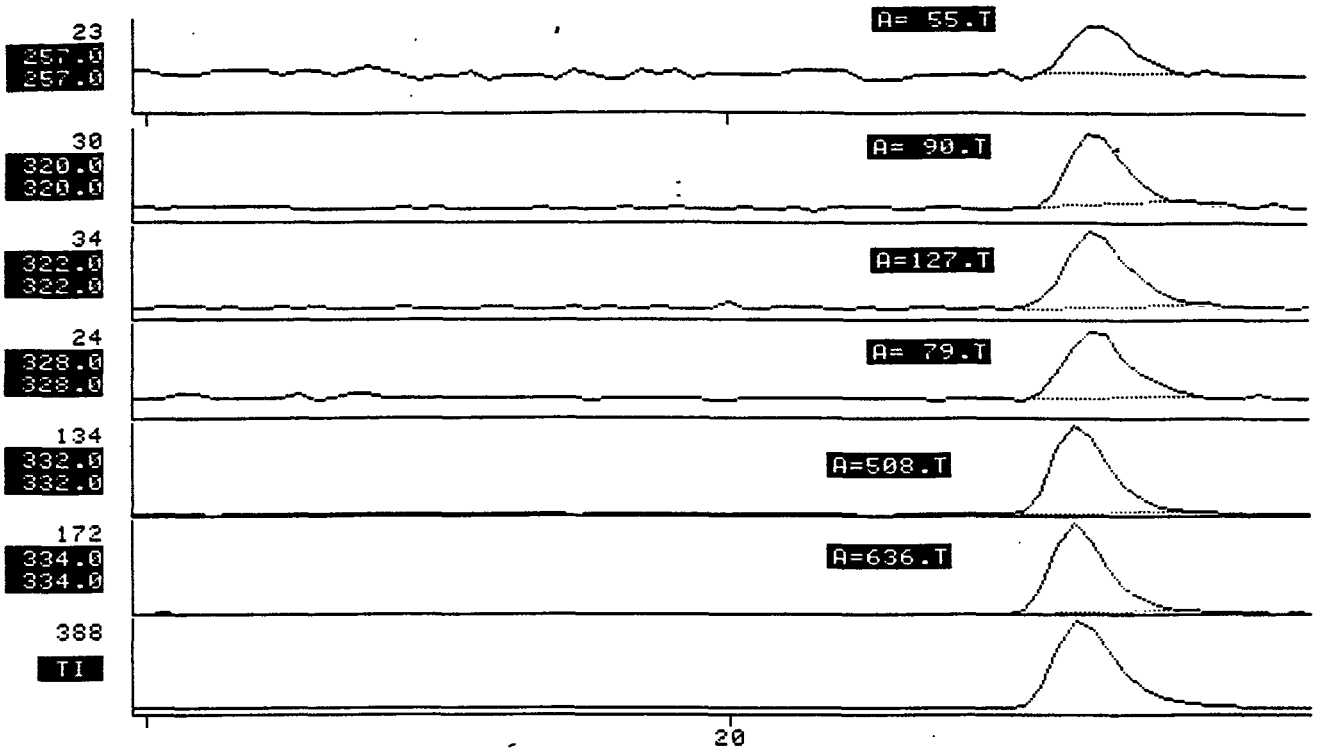
~~Rf 2,3,7,8-TCDD~~ $= \frac{217 \times 1}{545 \times 0.4} = 0.995$ DO slightly

Rf $^{37}Cl_4$-TCDD $= \frac{113 \times 1}{545 \times 0.2} = 1.037$ ✓

03205924

3089-6-0058

NAME CALIB CONC #1 9/10/84 9:15 FRN 6048
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6048

Entry	Time	Mass	Area	%
1	20.7	257.0	55.	43.7
2	20.7	320.0	90.	71.1
3	20.6	322.0	127.	100.0
4	20.6	328.0	79.	62.5
5	20.6	332.0	508.	400.6
6	20.6	334.0	636.	501.6

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6048

Entry	Time	Mass	Area	%
1	20.7	257.0	55.	8.7
2	20.7	320.0	90.	14.2
3	20.6	322.0	127.	19.9
4	20.6	328.0	79.	12.5
5	20.6	332.0	508.	79.9
6	20.6	334.0	636.	100.0

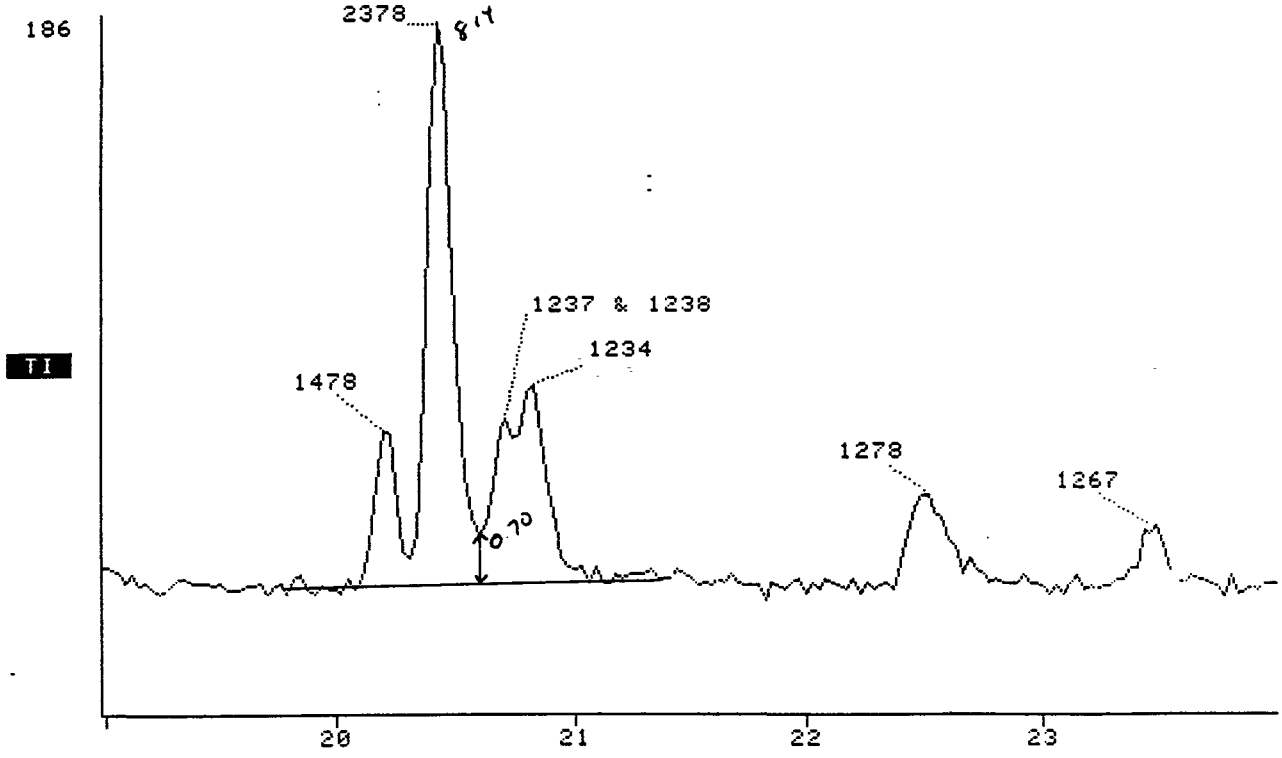
CALCULATE % ON ENTRY #:

$$Rf_{2,3,7,8\text{-TCDD}} = \frac{(90 + 127) \times 2}{(508 + 636) \times 0.4} = 0.948$$ ✓

NAME PERF. CHECK STD 9/10/84 16:35
MISC EM 3000V DWELL 250 MSEC

3089-6-0056

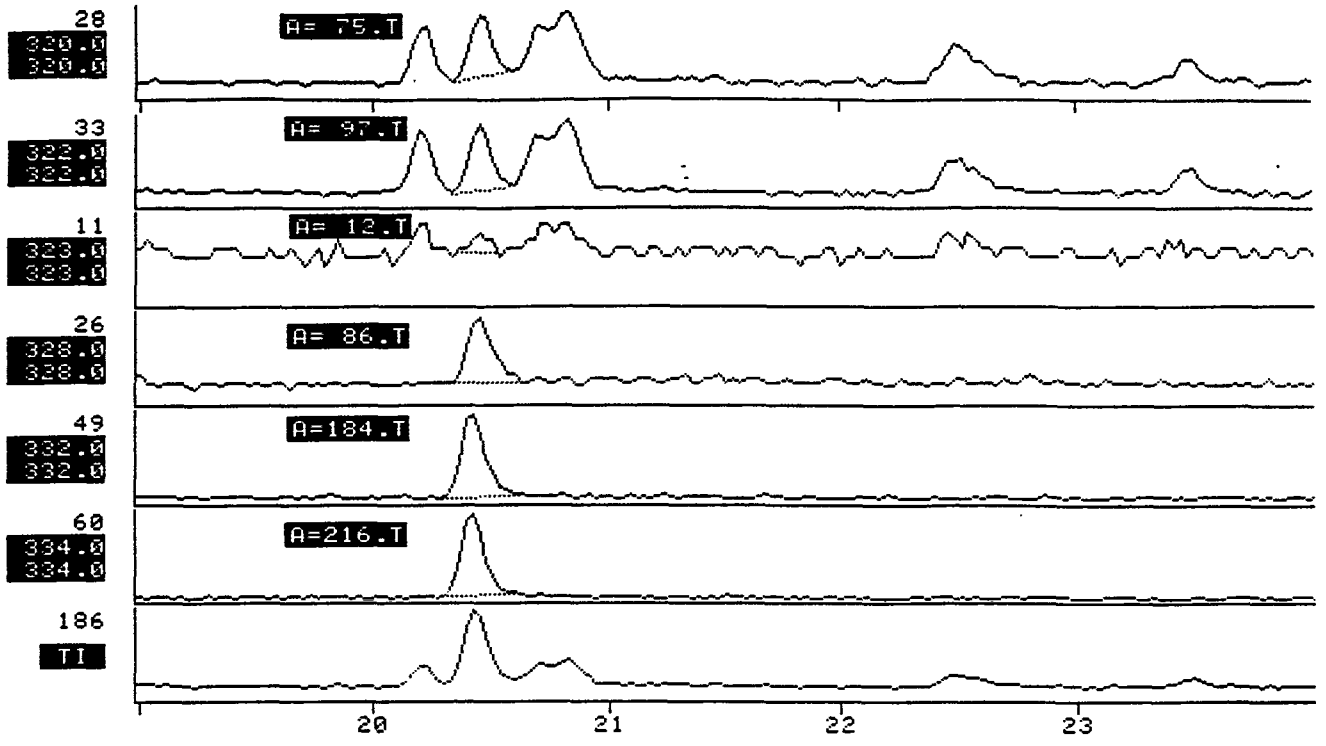
FRN 6057



$$\text{Valley}(\%) = \frac{0.70}{8.14} \times 100 = 8.6$$

3064-6-0057

NAME PERF. CHECK STD 9/10/84 16:35 FRN 6057
MICE EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6057

Entry	Time	Mass	Area	%
1	20.5	320.0	75.	77.4 ✓
2	20.5	322.0	97.	100.0
3	20.5	323.0	12.	12.7 ✓
4	20.5	328.0	86.	88.2
5	20.5	332.0	184.	190.4
6	20.5	334.0	216.	222.6

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6057

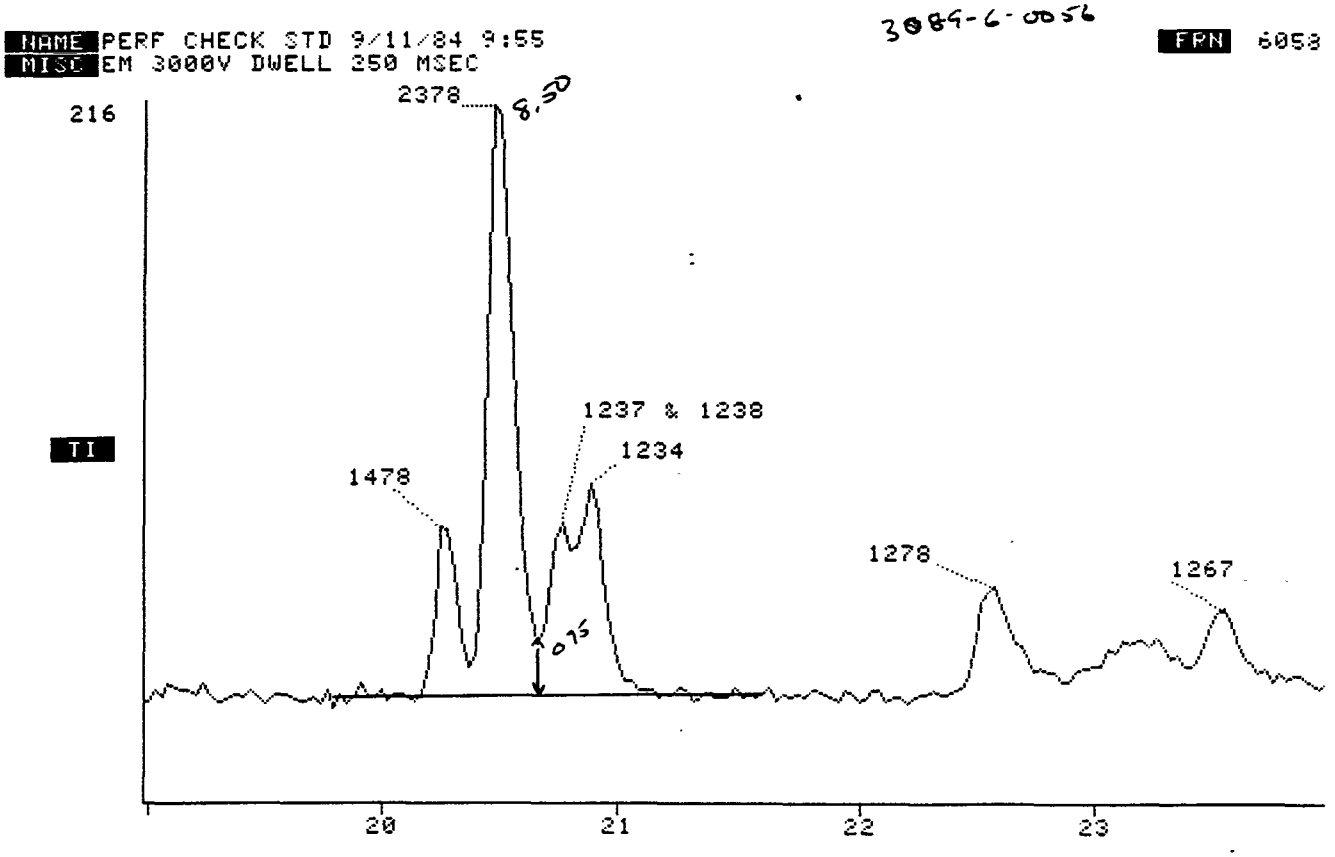
Entry	Time	Mass	Area	%
1	20.5	320.0	75.	34.8
2	20.5	322.0	97.	44.9
3	20.5	323.0	12.	5.7
4	20.5	328.0	vs 86.	39.6
5	20.5	332.0	184.	85.5 ✓
6	20.5	334.0	216.	100.0

CALCULATE % ON ENTRY #:

$$Rf\ ^{37}Cl_4\text{-TCDD} = \frac{85 \times 1}{400 \times 0.2} = 1.063$$ ✓

03205927

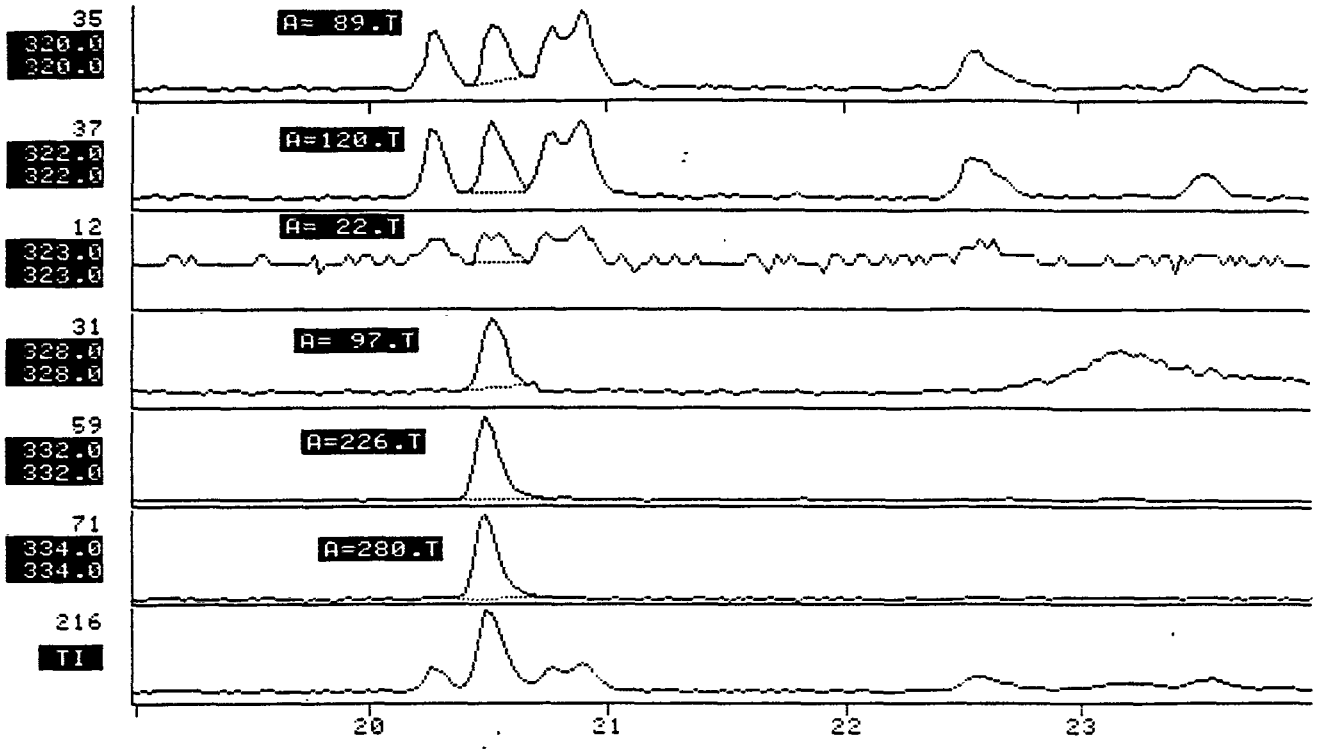
3089-6-0056



$$\text{Valley (\%)} = \frac{0.75}{8.50} \times 100 = 8.8$$

3689-6-0057

NAME PERF CHECK STD 9/11/84 9:55 FRN 6058
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6058

Entry	Time	Mass	Area	%
1	20.5	320.0	89.	74.1 ✓
2	20.5	322.0	120.	100.0
3	20.5	323.0	22.	18.7 ✓
4	20.5	328.0	97.	81.2
5	20.5	332.0	226.	188.7
6	20.5	334.0	280.	233.9

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6058

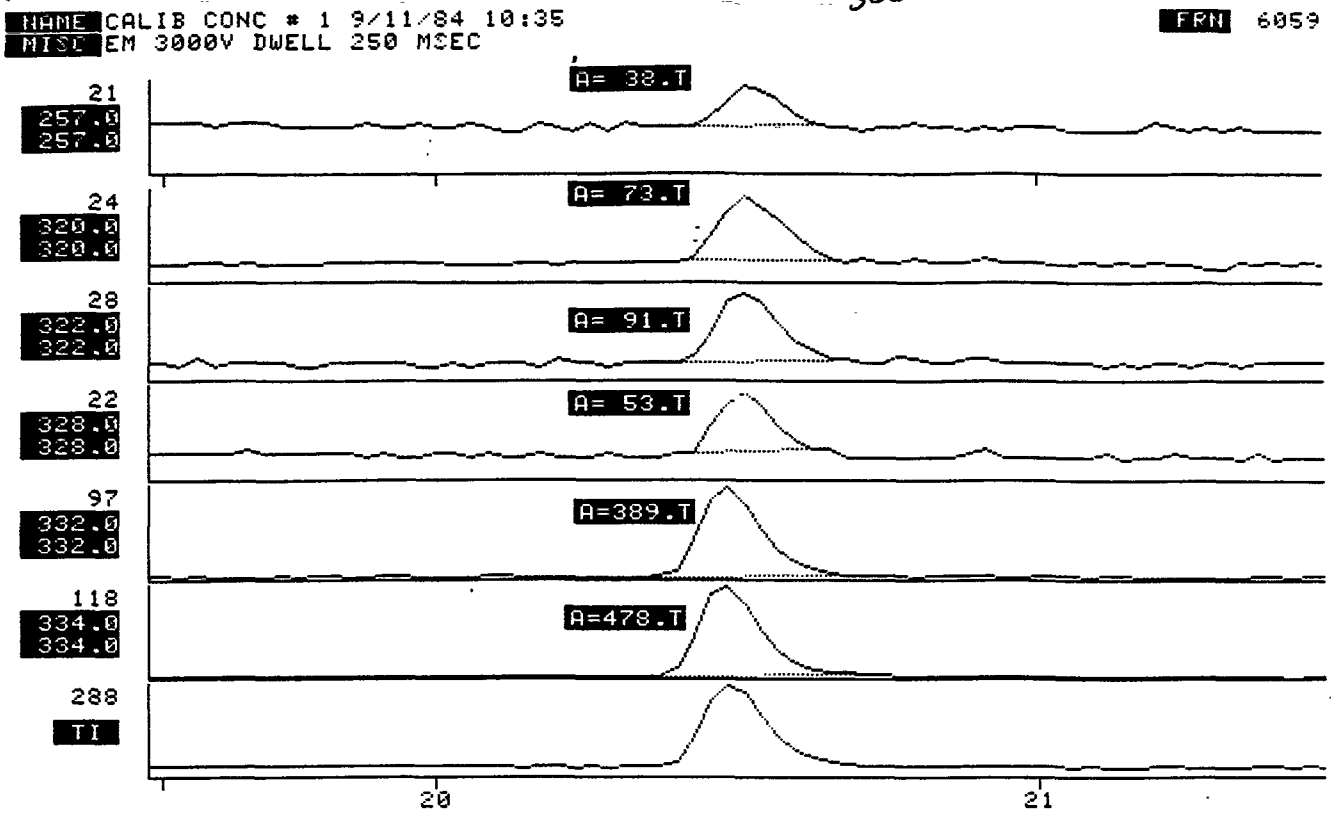
Entry	Time	Mass	Area	%
1	20.5	320.0	89.	31.7
2	20.5	322.0	120.	42.8
3	20.5	323.0	22.	8.0
4	20.5	328.0	97.	34.7
5	20.5	332.0	226.	80.7 ✓
6	20.5	334.0	280.	100.0

CALCULATE % ON ENTRY #:

$$Rf\ ^{37}Cl_4\text{-TCDD} = \frac{97 \times 1}{506 \times 0.2} = 0.959$$ ✓

03205929

3089-6-0058



AREA TABLE ENTRIES: FRN 6059

Entry	Time	Mass	Area	%
1	20.5	257.0	38.	41.9 ✓
2	20.5	320.0	73.	80.0 ✓
3	20.5	322.0	91.	100.0
4	20.5	328.0	53.	58.4
5	20.5	332.0	389.	426.2
6	20.5	334.0	478.	524.2

CALCULATE % ON ENTRY #:

AREA TABLE ENTRIES: FRN 6059

Entry	Time	Mass	Area	%
1	20.5	257.0	38.	8.0
2	20.5	320.0	73.	15.3
3	20.5	322.0	91.	19.1
4	20.5	328.0	53.	11.1
5	20.5	332.0	389.	81.3 ✓
6	20.5	334.0	478.	100.0

CALCULATE % ON ENTRY #:

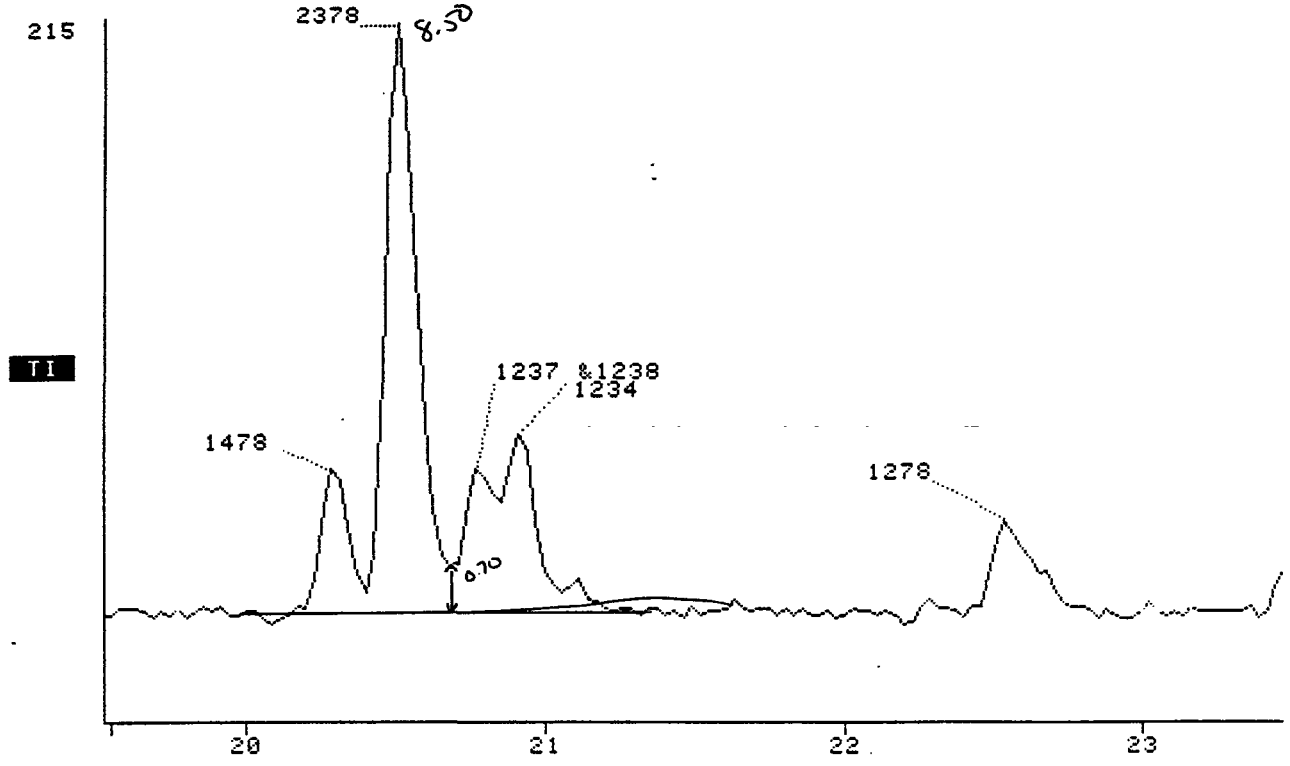
$$Rf_{\text{2,3,7,8-TCDD}} = \frac{(73+91)\times 2}{(389+478)\times 0.4} > 0.946 \checkmark$$

02205930

NAME PERF. CHECK STD 9/11/84 16:05
MISC EM 3000V DWELL 250 MSEC

3089-6-0056

FPN 6063

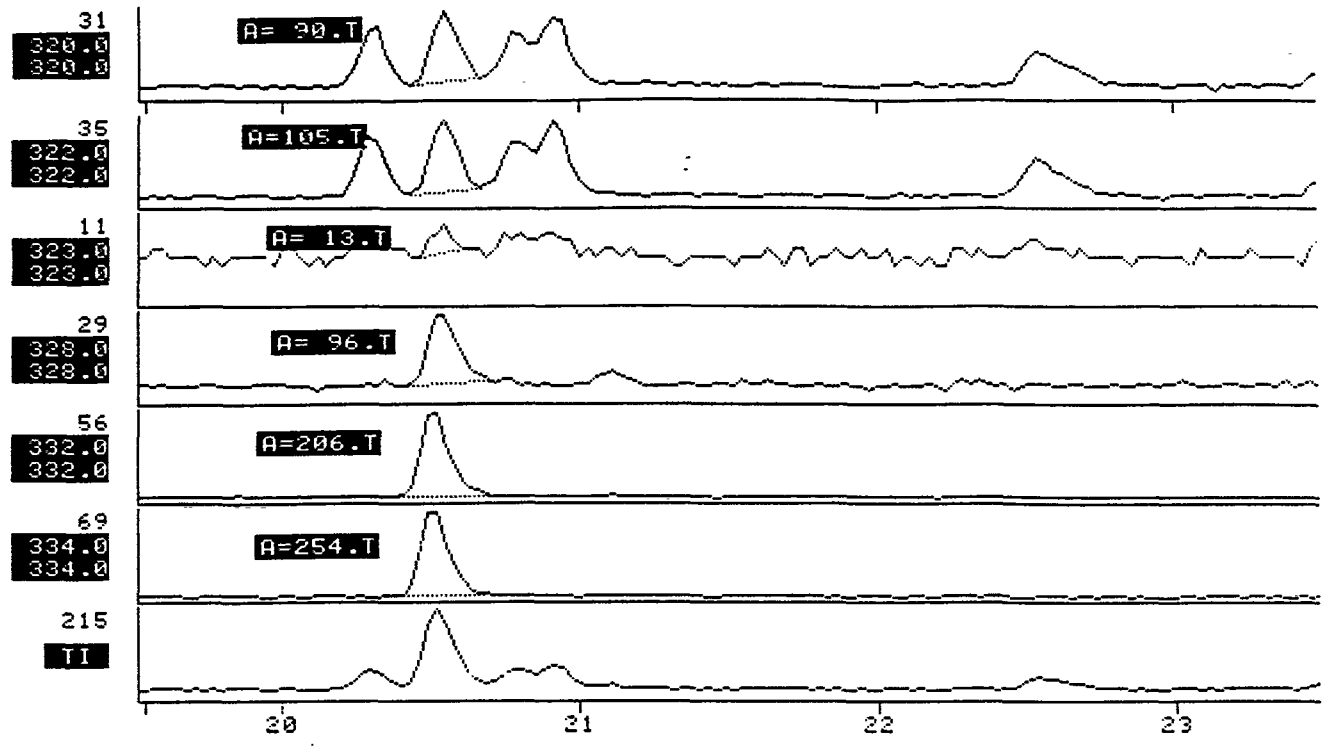


$$\text{Valley (\%)} = \frac{0.70}{8.50} \times 100 = 8.2$$

03205931

3065-6-0057

NAME PEPF. CHECK CTD 9/11/84 16:05 FRN 6063
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6063

Entry	Time	Mass	Area	%
1	20.5	320.0	90.	85.6 ✓
2	20.5	322.0	105.	100.0
3	20.5	323.0	13.	12.4 ✓
4	20.5	328.0	96.	90.9
5	20.5	332.0	206.	195.1
6	20.5	334.0	254.	241.3

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6063

Entry	Time	Mass	Area	%
1	20.5	320.0	90.	35.5
2	20.5	322.0	105.	41.5
3	20.5	323.0	13.	5.2
4	20.5	328.0	95 96.	37.7
5	20.5	332.0	206.	80.9 ✓
6	20.5	334.0	254.	100.0

CALCULATE % ON ENTRY #:

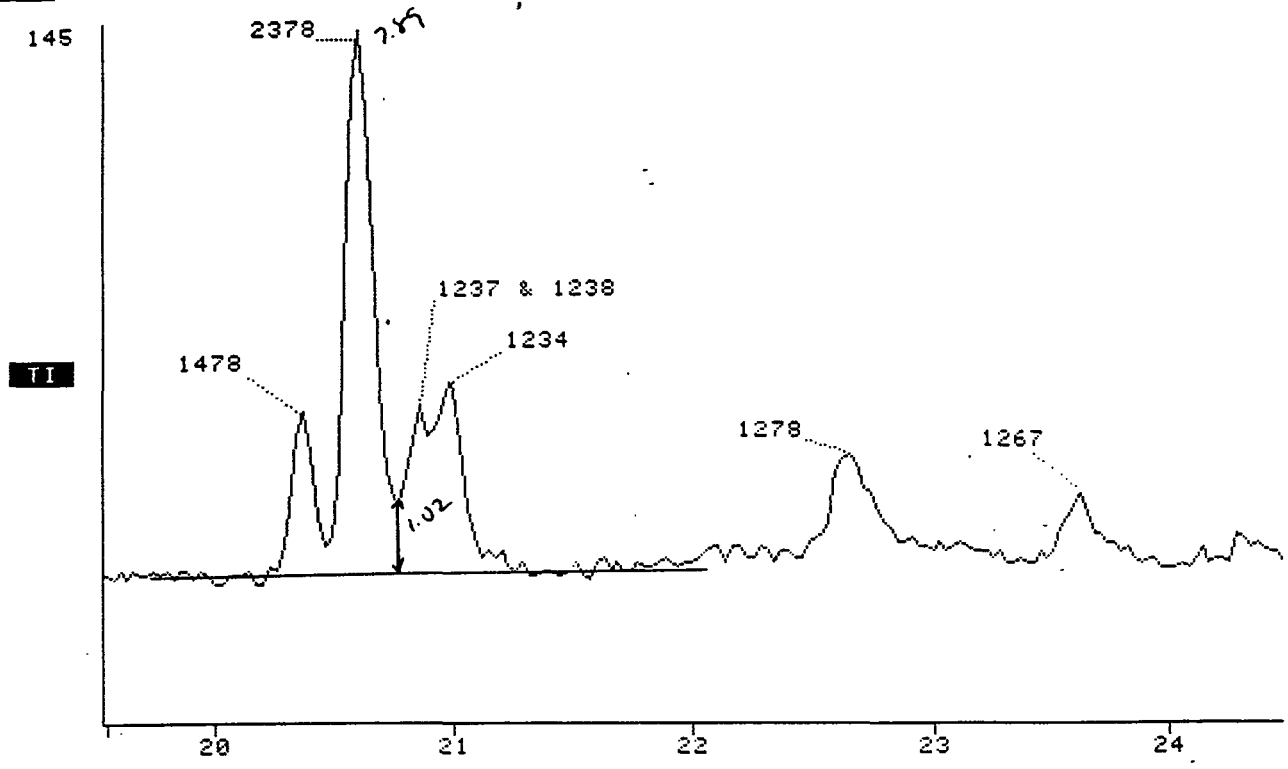
$Rf\ ^{37}Cl_4\text{-TCDD} = \frac{95 \times 1}{460 \times 0.2} = 1033$ ✓

20 9/14/84

3689-6-0056

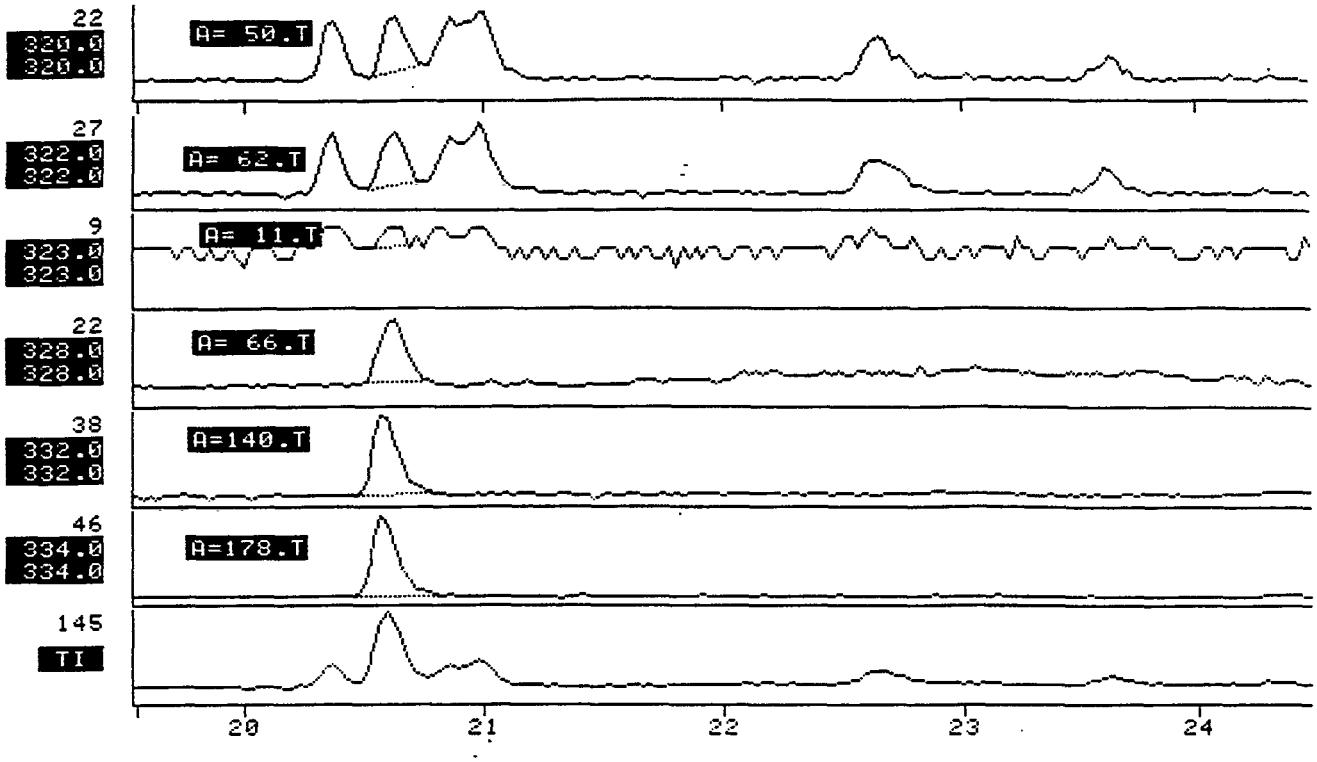
NAME PERF. CHECK STD 9/12/84 9:40
MISC EM 3000V DWELL 250 MSEC

FRN 6064



Valley (%) = $\frac{1.02}{7.59} \times 100 = 12.9$

NAME PERF. CHECK STD 9/12/84 9:40 3089-L-0057 FRN 6064
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6064

Entry	Time	Mass	Area	%
1	20.6	320.0	50.	81.2 ✓
2	20.6	322.0	62.	100.0
3	20.6	323.0	11.	18.1 ✓
4	20.6	328.0	66.	107.1
5	20.6	332.0	140.	225.9
6	20.6	334.0	178.	287.5

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6064

Entry	Time	Mass	Area	%
1	20.6	320.0	50.	28.2
2	20.6	322.0	62.	34.8
3	20.6	323.0	11.	6.3
4	20.6	328.0	65 66.	37.2
5	20.6	332.0	140.	78.6 ✓
6	20.6	334.0	178.	100.0

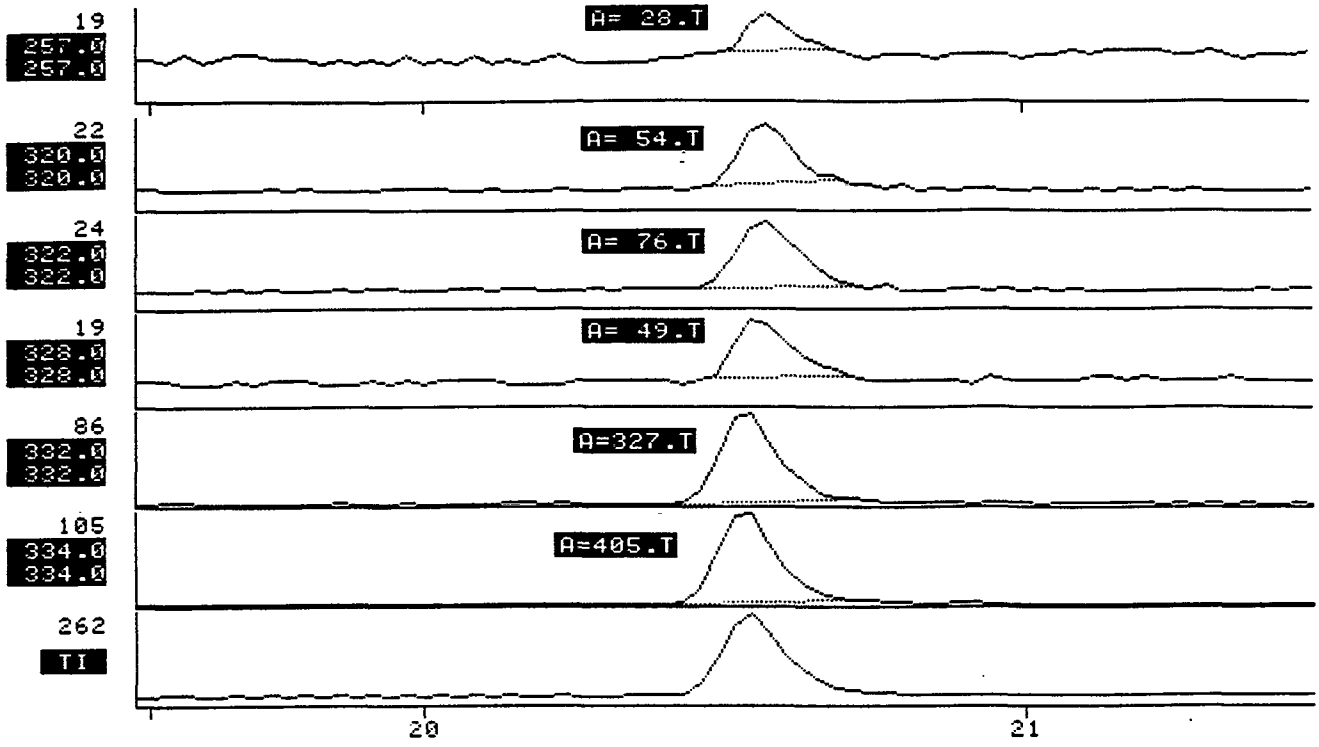
CALCULATE % ON ENTRY #:

$$Rf\ ^{37}Cl_4\text{-TCDD} = \frac{65 \times 1}{318 \times 0.2} = 1.022 \checkmark$$

03205934

3089-6-0058

NAME CALIB CONC # 1 9/12/84 10:15 FRN 6065
MISC EM 3000V DWELL 250MSEC



AREA TABLE ENTRIES: FRN 6065

Entry	Time	Mass	Area	%
1	20.6	257.0	28.	37.1 ✓
2	20.6	320.0	54.	71.5 ✓
3	20.6	322.0	76.	100.0
4	20.6	328.0	49.	65.1
5	20.5	332.0	327.	432.1
6	20.6	334.0	405.	535.1

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6065

Entry	Time	Mass	Area	%
1	20.6	257.0	28.	6.9
2	20.6	320.0	54.	13.4
3	20.6	322.0	76.	18.7
4	20.6	328.0	49.	12.2
5	20.5	332.0	327.	80.8 ✓
6	20.6	334.0	405.	100.0

CALCULATE % ON ENTRY #:

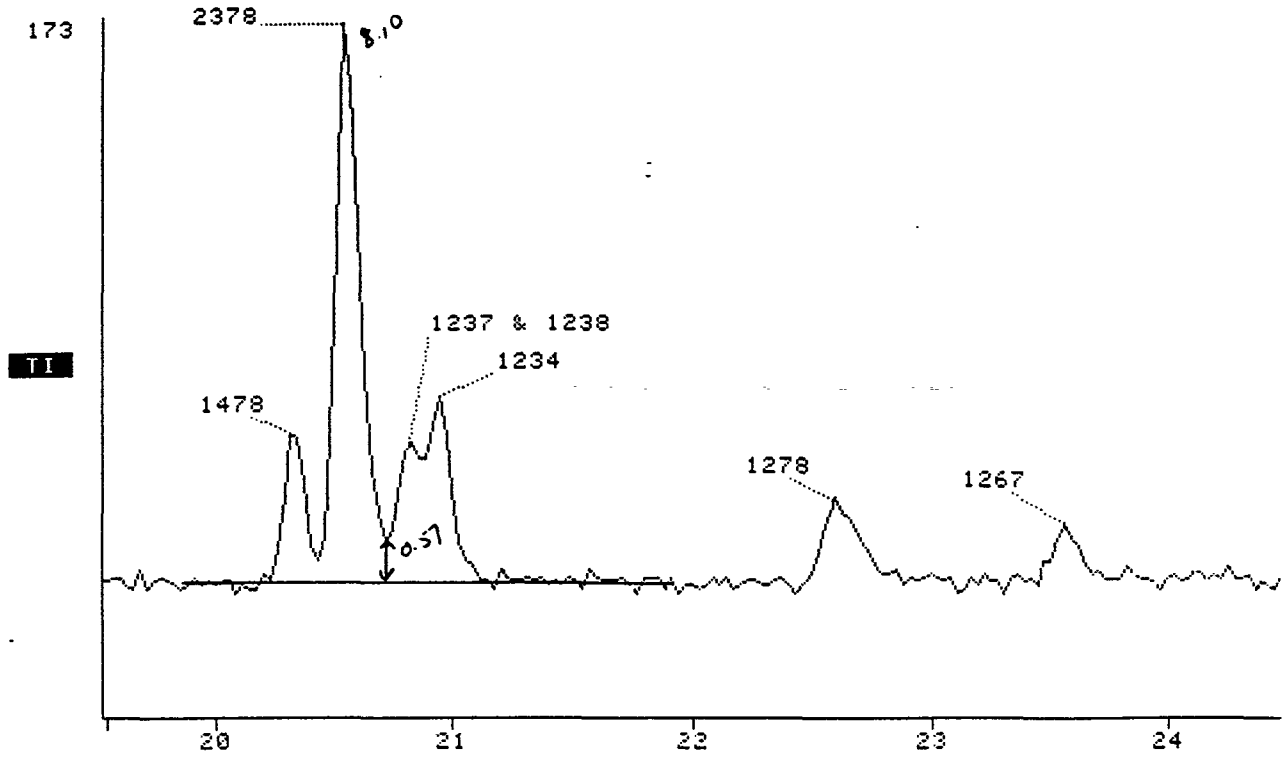
$$Rf\ 2,3,7,8\text{-TCDD} = \frac{(54+76)\times 2}{(327+405)\times 0.4} = 0.888\ \checkmark$$

03205935

3089-6-0056

NAME PERF. CHECK CTD 9/12/84 16:10
MISC EM 3000V DWELL 250 MSEC

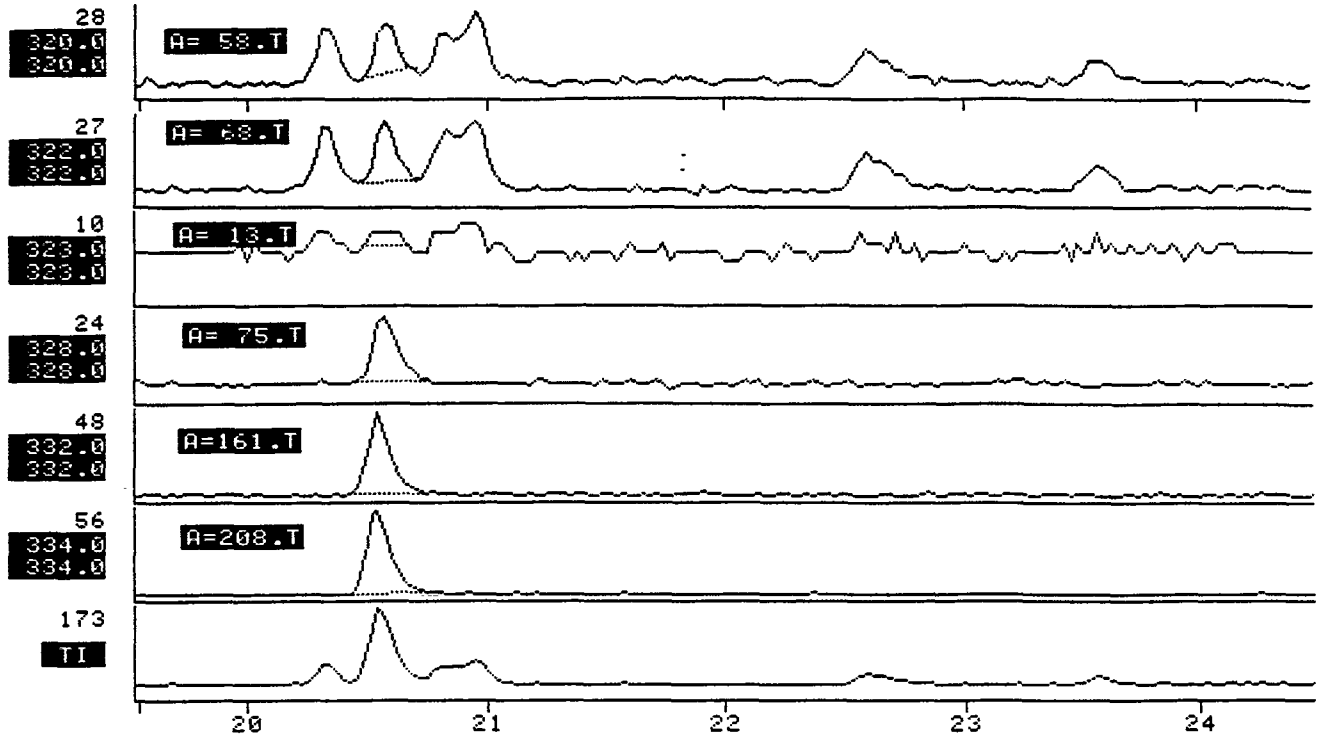
FRN 6072



$$\text{Valley } (\%) = \frac{0.57}{8.10} \times 100 = 7.0$$

3084-6. 0057

NAME PEPF. CHECK STD 9/12/84 16:10 FRN 6072
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6072

Entry	Time	Mass	Area	%
1	20.6	320.0	58.	85.7 ✓
2	20.6	322.0	68.	100.0
3	20.6	323.0	13.	19.1 ✓
4	20.6	328.0	75.	111.1
5	20.6	332.0	161.	237.3
6	20.6	334.0	208.	305.7

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6072

Entry	Time	Mass	Area	%
1	20.6	320.0	58.	28.0
2	20.6	322.0	68.	32.7
3	20.6	323.0	13.	6.2
4	20.6	328.0	75.	36.3
5	20.6	332.0	161.	77.6 ✓
6	20.6	334.0	208.	100.0

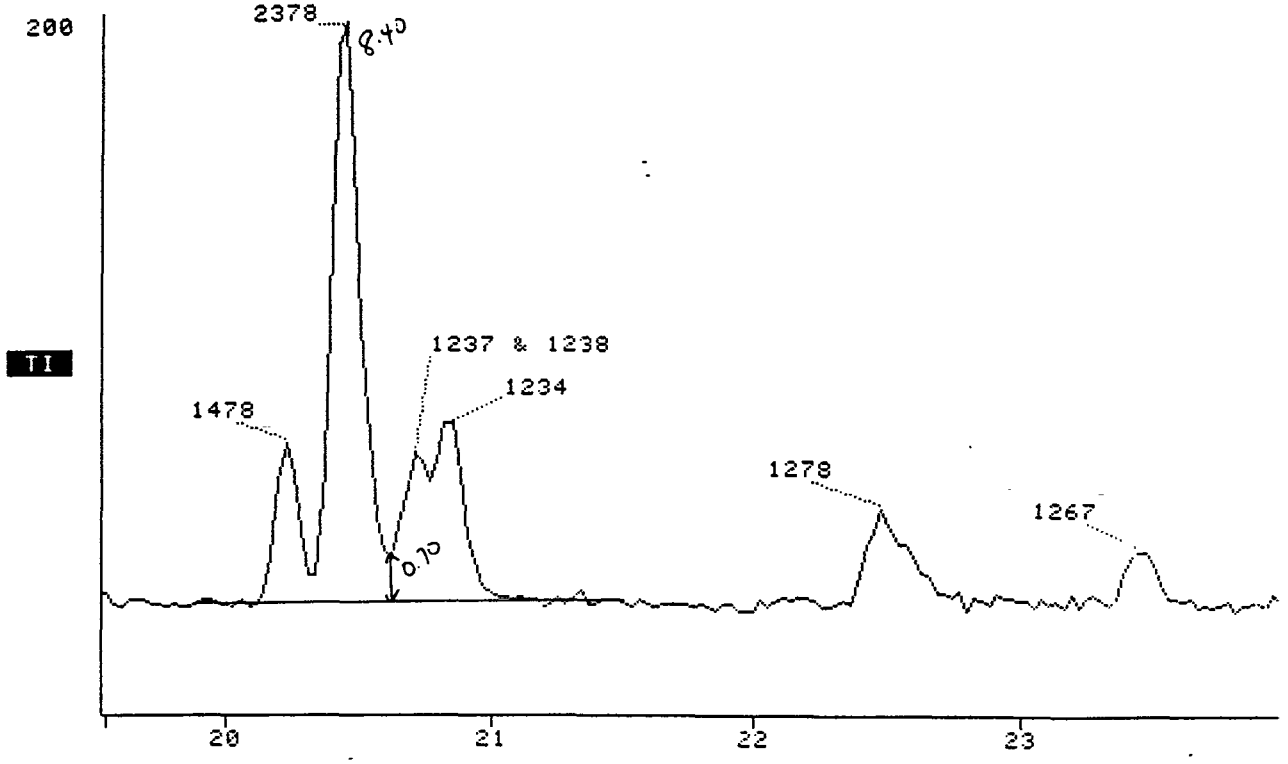
CALCULATE % ON ENTRY #:

$$RF\ ^{37}Cl_4\text{-TCDD} = \frac{74 \times 1}{369 \times 0.2} = 1.003\ \checkmark$$

3089-L-0056

NAME PERF. CHECK STD 9/13/84 9:40
MISC EM 3000V DWELL 250 MSEC

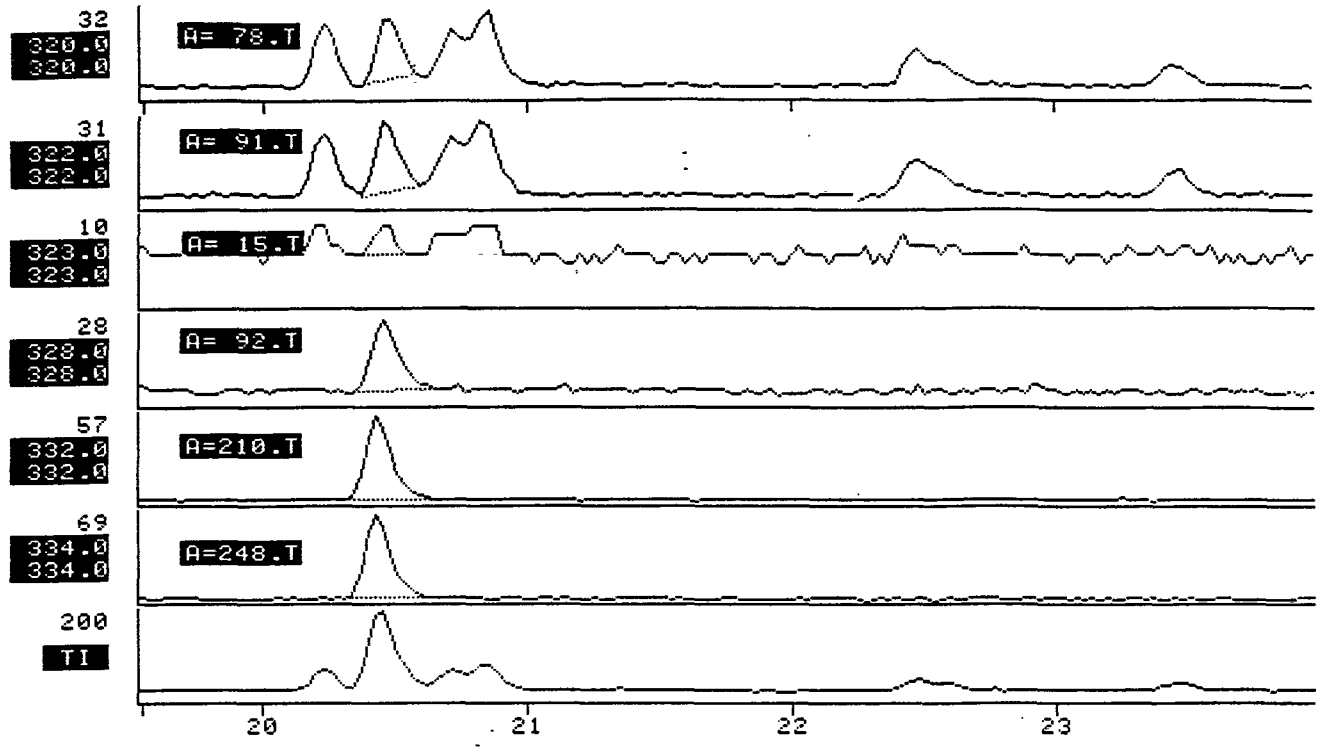
FRN 6073



$$\text{Valley (\%)} = \frac{0.70}{8.40} \times 100 = 8.3$$

3084-6-0057

NAME PERF. CHECK STD 9/13/84 9:40 FRN 6073
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6073

Entry	Time	Mass	Area	%
1	20.5	320.0	78.	85.9 ✓
2	20.5	322.0	91.	100.0
3	20.5	323.0	15.	16.8 ✓
4	20.5	328.0	92.	100.8
5	20.5	332.0	210.	229.7
6	20.5	334.0	248.	272.4

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6073

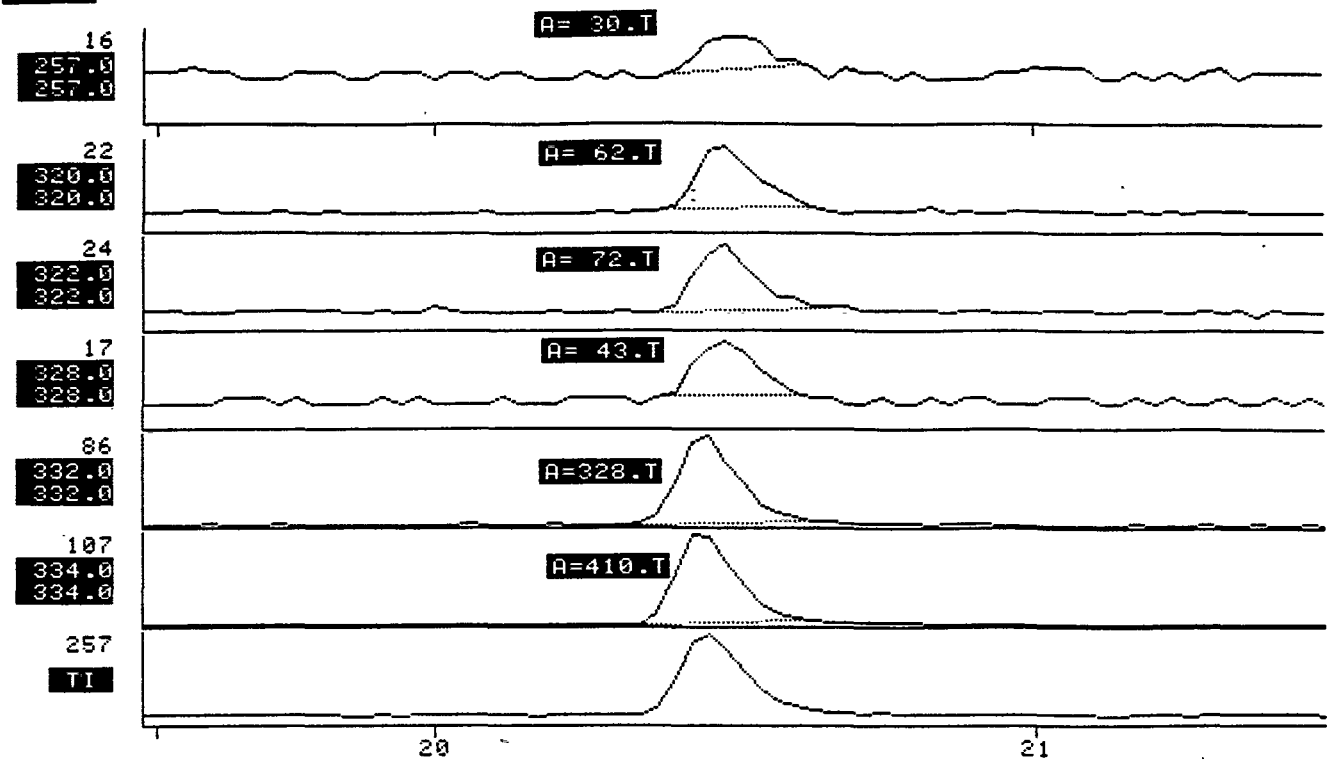
Entry	Time	Mass	Area	%
1	20.5	320.0	78.	31.5
2	20.5	322.0	91.	36.7
3	20.5	323.0	15.	6.2
4	20.5	328.0	91 92.	37.0
5	20.5	332.0	210.	84.3 ✓
6	20.5	334.0	248.	100.0

CALCULATE % ON ENTRY #:

$$Rf\ ^{37}Cl_4\text{-}TCDD = \frac{91 \times 1}{458 \times 0.2} = 0.993\ ✓$$

3089-6-0058

NAME CALIB CONC #1 9/13/84 10:35 FRN 6074
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6074

Entry	Time	Mass	Area	%
1	20.5	257.0	30.	41.8 ✓
2	20.5	320.0	62.	86.0 ✓
3	20.5	322.0	72.	100.0
4	20.5	328.0	43.	60.1
5	20.5	332.0	328.	455.5
6	20.5	334.0	410.	569.1

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6074

Entry	Time	Mass	Area	%
1	20.5	257.0	30.	7.3
2	20.5	320.0	62.	15.1
3	20.5	322.0	72.	17.6
4	20.5	328.0	43.	10.6
5	20.5	332.0	328.	80.0 ✓
6	20.5	334.0	410.	100.0

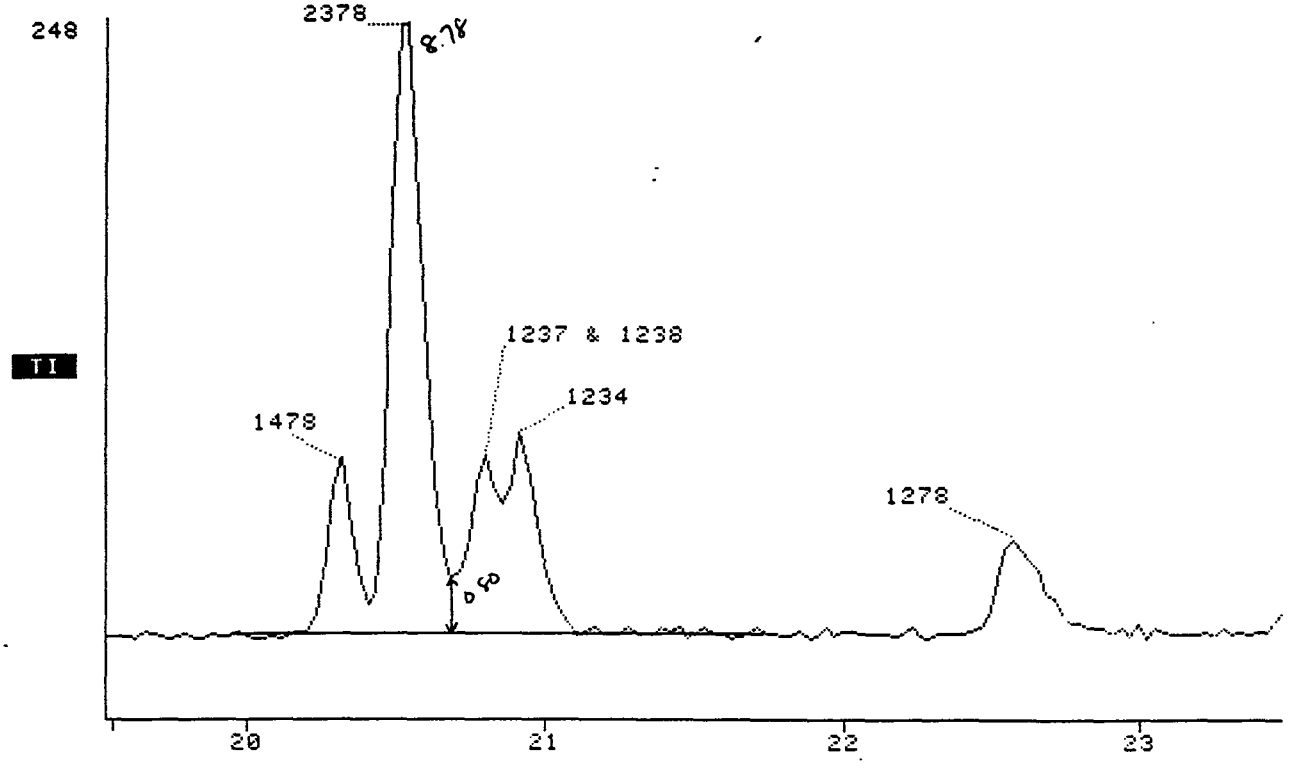
CALCULATE % ON ENTRY #:

$$Rf\ 2,3,7,8\text{-TCDD} = \frac{(62+72) \times 2}{(328+410) \times 0.4} = 0.908 \checkmark$$

3084-6-0056

NAME PERF. CHECK STD 9/13/84 14:50
MISC EM 3000V DWELL 250 MSEC

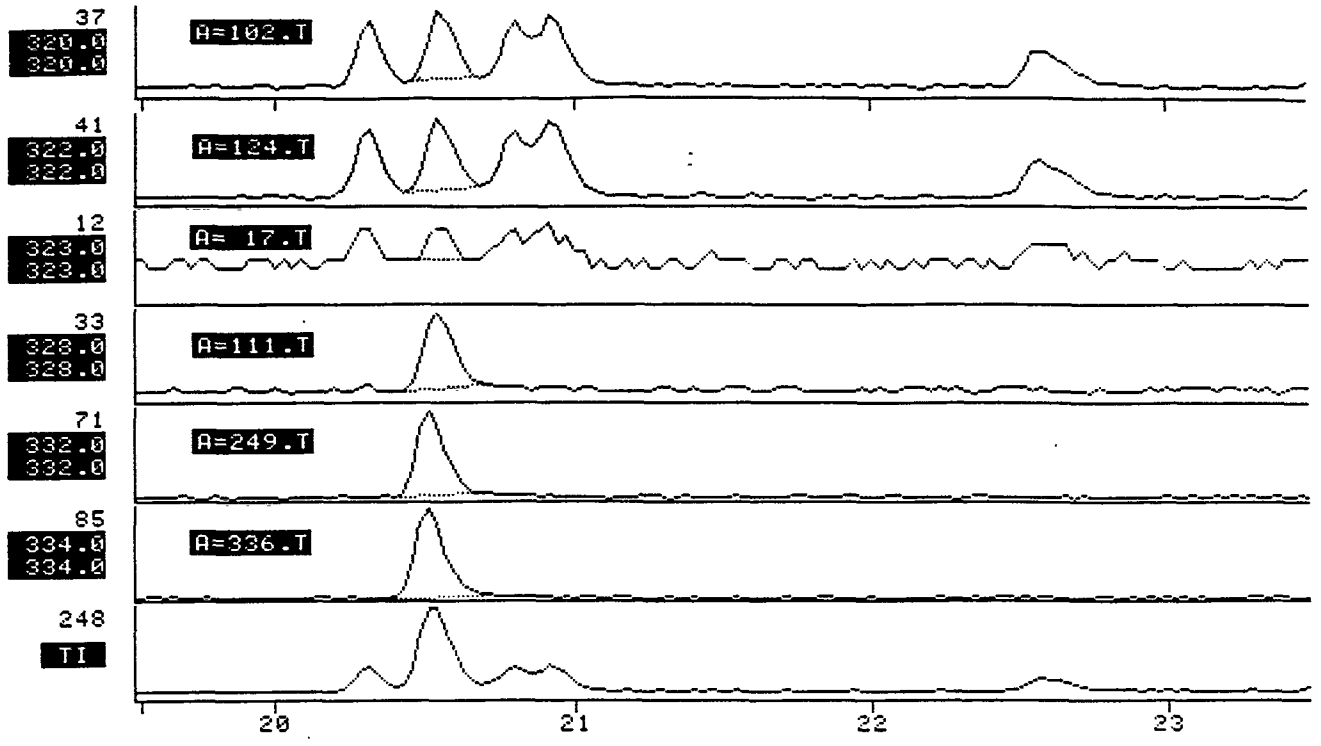
FRN 6081



$$\text{Valley } (\%) = \frac{0.80}{8.78} \times 100 = 9.1$$

3084-6-0057

NAME PERF. CHECK STD 9/13/84 14:50 FRN 6081
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6081

Entry	Time	Mass		Area	%
1	20.6	320.0		102.	82.0 ✓
2	20.5	322.0		124.	100.0
3	20.5	323.0		17.	13.5 ✓
4	20.5	328.0	110	111.	89.6
5	20.5	332.0		249.	201.1
6	20.5	334.0		336.	271.1

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6081

Entry	Time	Mass	Area	%
1	20.6	320.0	102.	30.2
2	20.5	322.0	124.	36.9
3	20.5	323.0	17.	5.0
4	20.5	328.0	111.	33.1
5	20.5	332.0	249.	74.2 ✓
6	20.5	334.0	336.	100.0

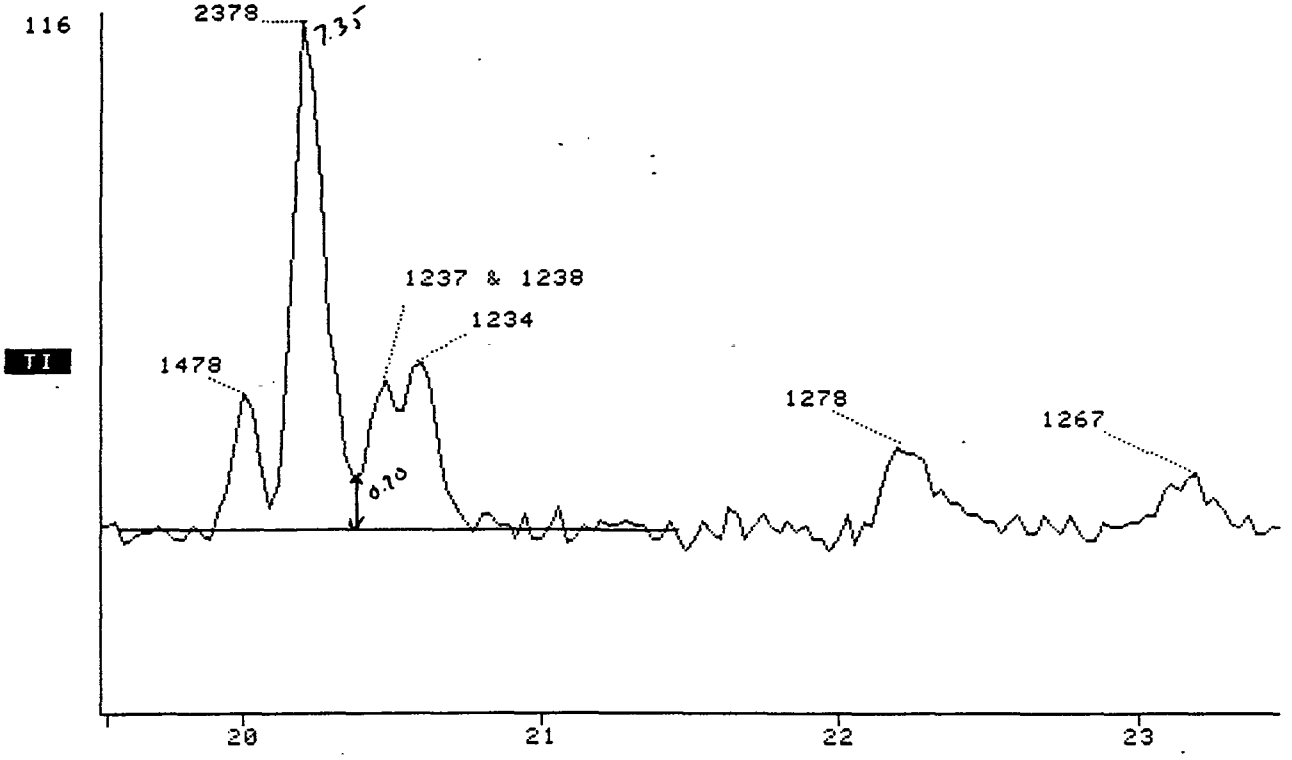
CALCULATE % ON ENTRY #:

$Rf\ ^{37}Cl_4\text{-TCDD} = \frac{110 \times 1}{585 \times 0.2} = 0.940$ ✓

3089-6-0056

NAME PERF. CHECK STD 9/18/84 8:25
MISC EM 3000V DWELL 250 MSEC

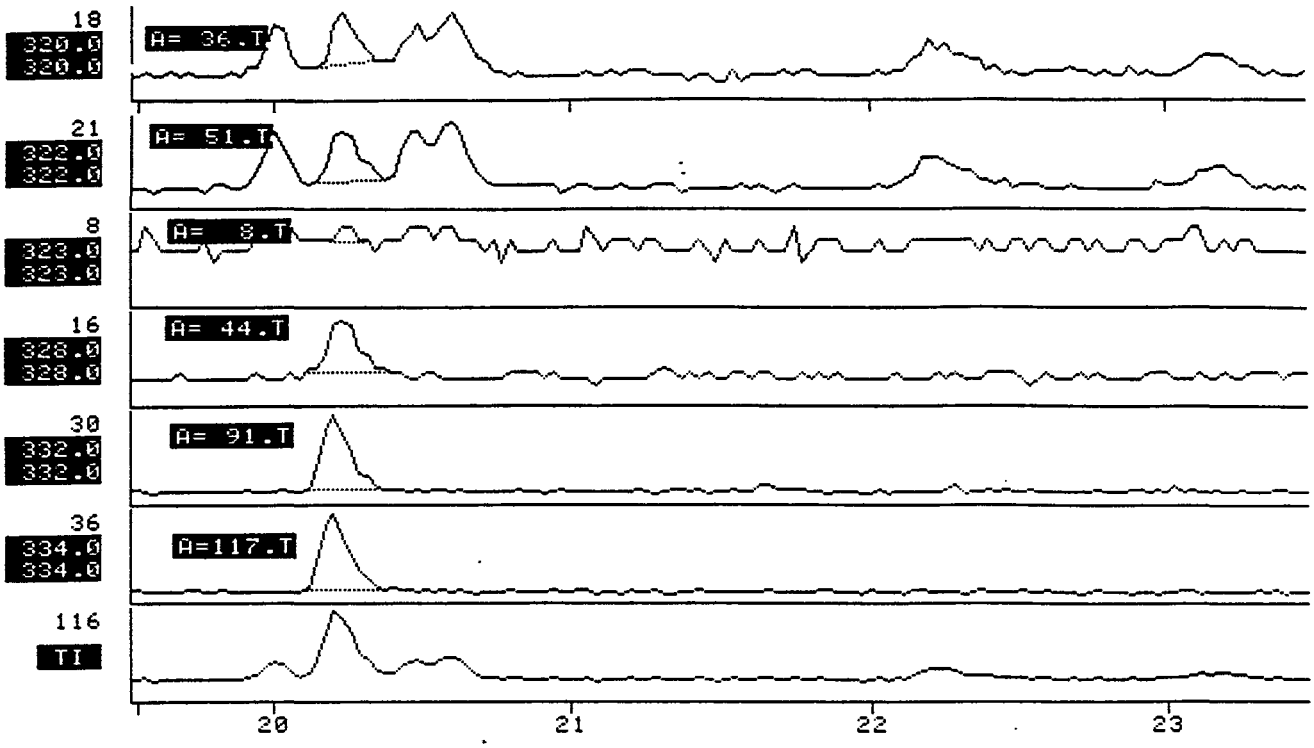
FRN 6091



$$\text{Valley (\%)} = \frac{0.70}{7.35} \times 100 = 9.5$$

3084-6-0057

NAME PERF. CHECK STD 9/18/84 8:25 FRN 6091
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6091

Entry	Time	Mass	Area	%
1	20.2	320.0	36.	69.3 ✓
2	20.3	322.0	51.	100.0
3	20.2	323.0	8.	14.7 ✓
4	20.2	328.0	44.	84.7
5	20.2	332.0	91.	177.4
6	20.2	334.0	117.	226.8

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6091

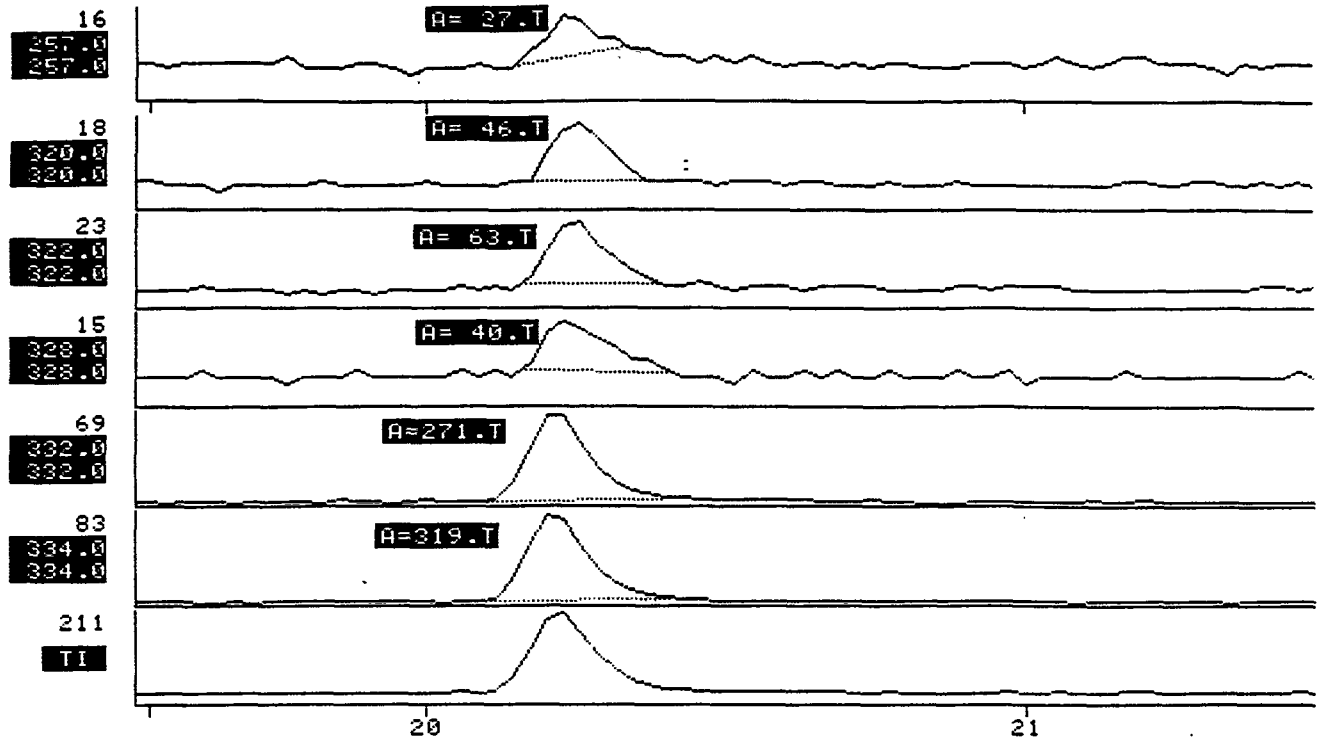
Entry	Time	Mass	Area	%
1	20.2	320.0	36.	30.6
2	20.3	322.0	51.	44.1
3	20.2	323.0	8.	6.5
4	20.2	328.0	44.	37.3 ✓
5	20.2	332.0	91.	78.2 ✓
6	20.2	334.0	117.	100.0

CALCULATE % ON ENTRY #:

$$RF\ ^{37}Cl_4\text{-TCDD} = \frac{44 \times 1}{(91 + 117) \times 0.2} = 1.058 \checkmark$$

Case 3089-G-0058

NAME CALIB CONC 1 9/18/84 9:45 FRN 6092
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6092

Entry	Time	Mass	Area	%
1	20.2	257.0	27.	43.6 ✓
2	20.3	320.0	46.	72.9 ✓
3	20.2	322.0	63.	100.0
4	20.3	328.0	40.	64.2
5	20.2	332.0	271.	432.3
6	20.2	334.0	319.	510.3

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6092

Entry	Time	Mass	Area	%
1	20.2	257.0	27.	8.5
2	20.3	320.0	46.	14.3
3	20.2	322.0	63.	19.6
4	20.3	328.0	40.	12.6
5	20.2	332.0	271.	84.7 ✓
6	20.2	334.0	319.	100.0

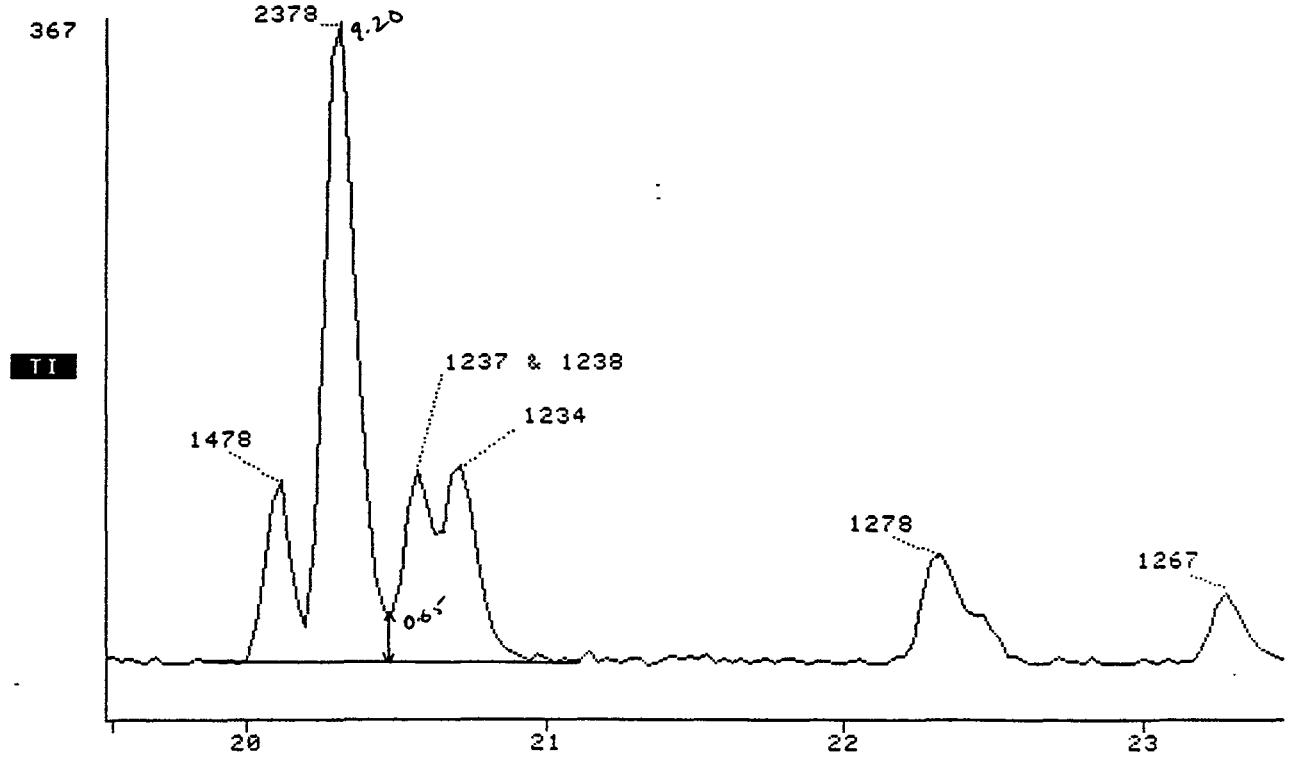
CALCULATE % ON ENTRY #:

$$Rf_{2,3,7,8\text{-TCDD}} = \frac{(46 + 63) \times 2}{(271 + 319) \times 0.4} = 0.924 \checkmark$$

3089-6-0056

NAME PERF. CHECK STD 9/18/84 13:25
MISC EM 3000V DWELL 250 MSEC

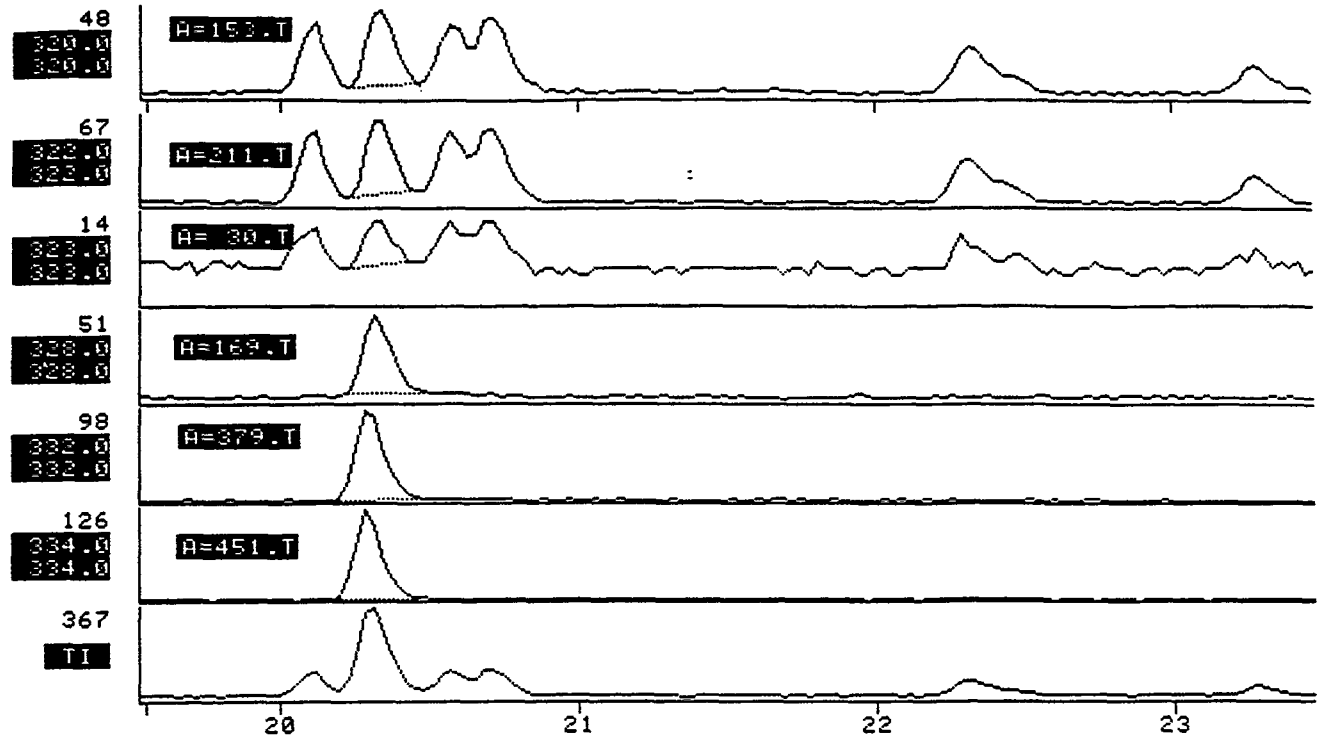
FRN 6096



$$\text{Valley (\%)} = \frac{0.65}{9.20} \times 100 = 7.1$$

3089-6-0057

NAME PERF. CHECK STD 9/18/84 13:25 FRN 6096
MISC EM 3000V DWELL 250 MSEC



AREA TABLE ENTRIES: FRN 6096

Entry	Time	Mass	Area	%
1	20.3	320.0	153.	72.5 ✓
2	20.3	322.0	211.	100.0
3	20.3	323.0	30.	14.1 ✓
4	20.3	328.0	169.	80.1
5	20.3	332.0	379.	179.4
6	20.3	334.0	451.	213.8

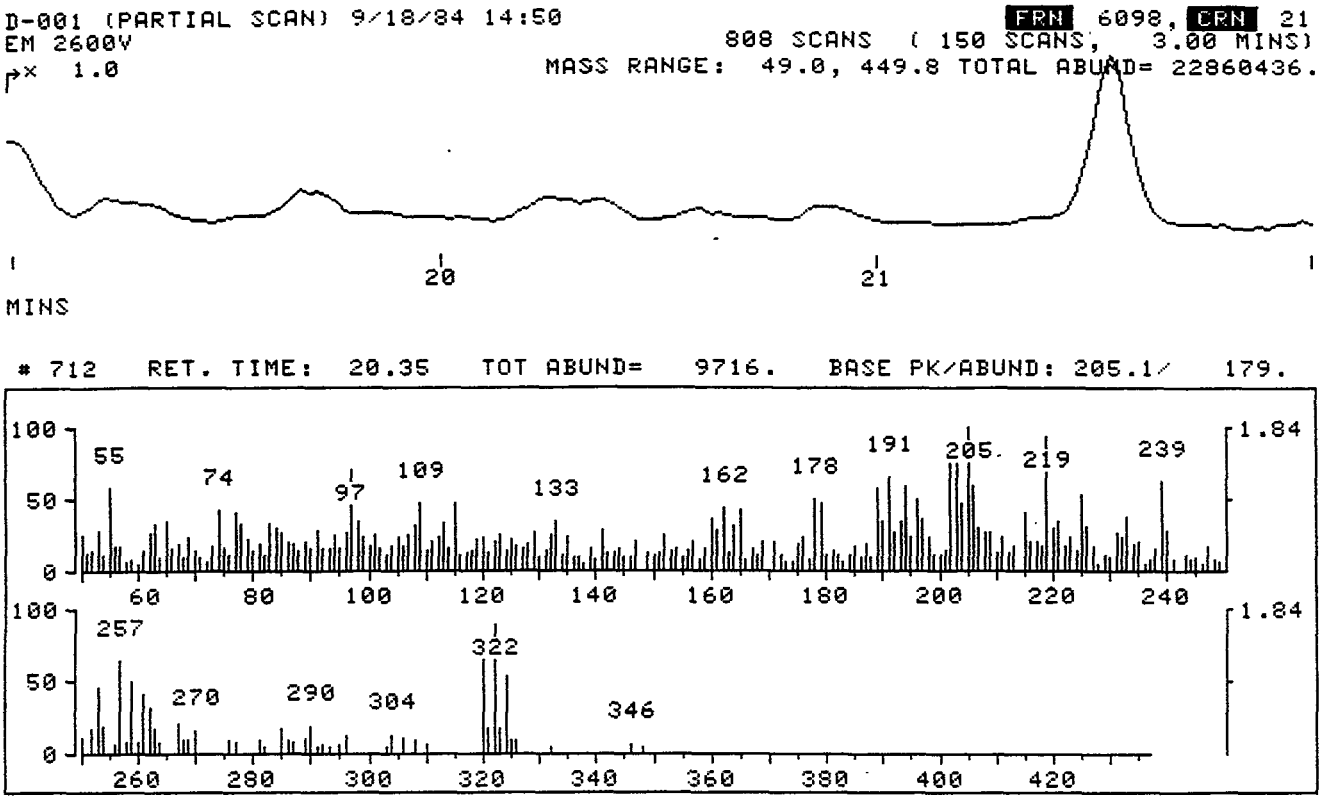
CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6096

Entry	Time	Mass	Area	%
1	20.3	320.0	153.	33.9
2	20.3	322.0	211.	46.8
3	20.3	323.0	30.	6.6
4	20.3	328.0	167 169.	37.4 ✓
5	20.3	332.0	379.	83.9 ✓
6	20.3	334.0	451.	100.0

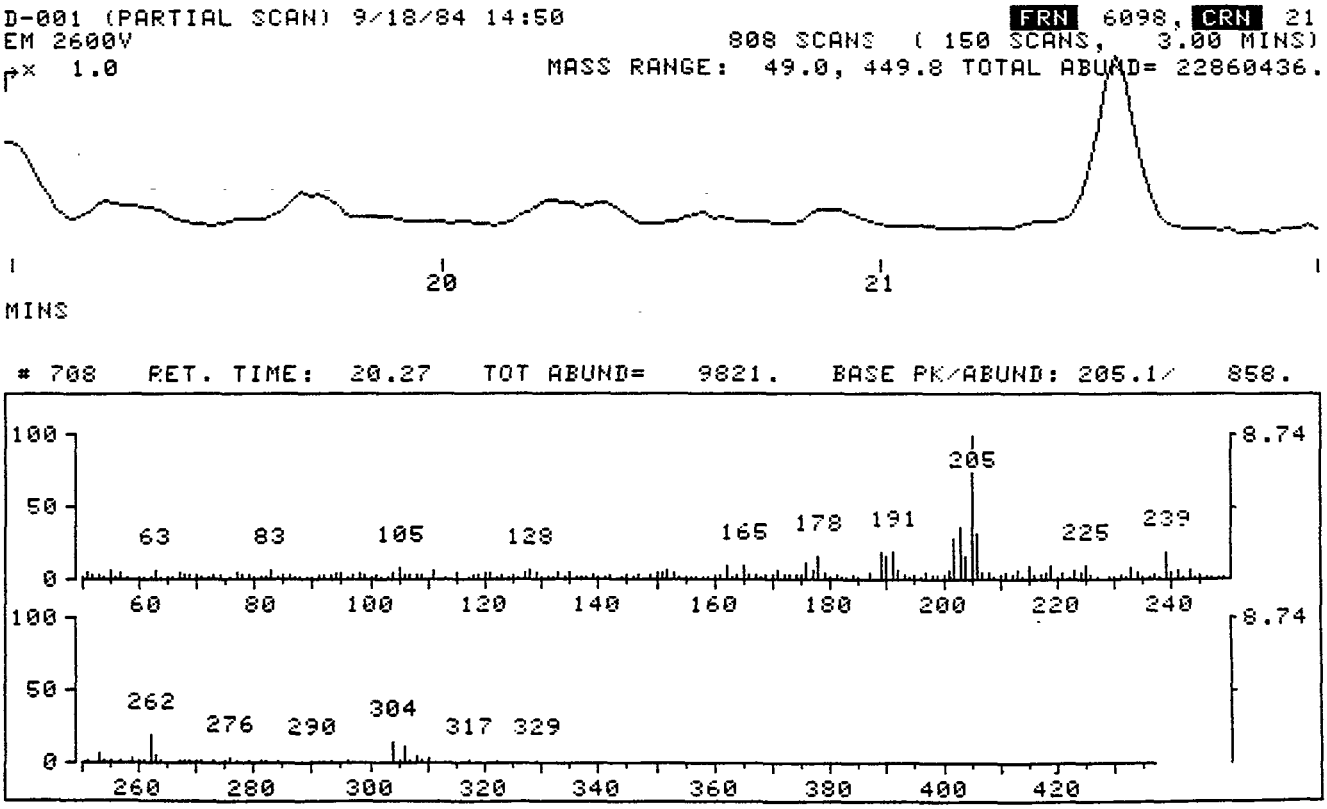
CALCULATE % ON ENTRY #:

$$Rf\ ^{37}Cl_4\text{-}TCDD = \frac{167 \times 1}{(379 + 451) \times 0.2} = 1.006$$ ✓

Case 300

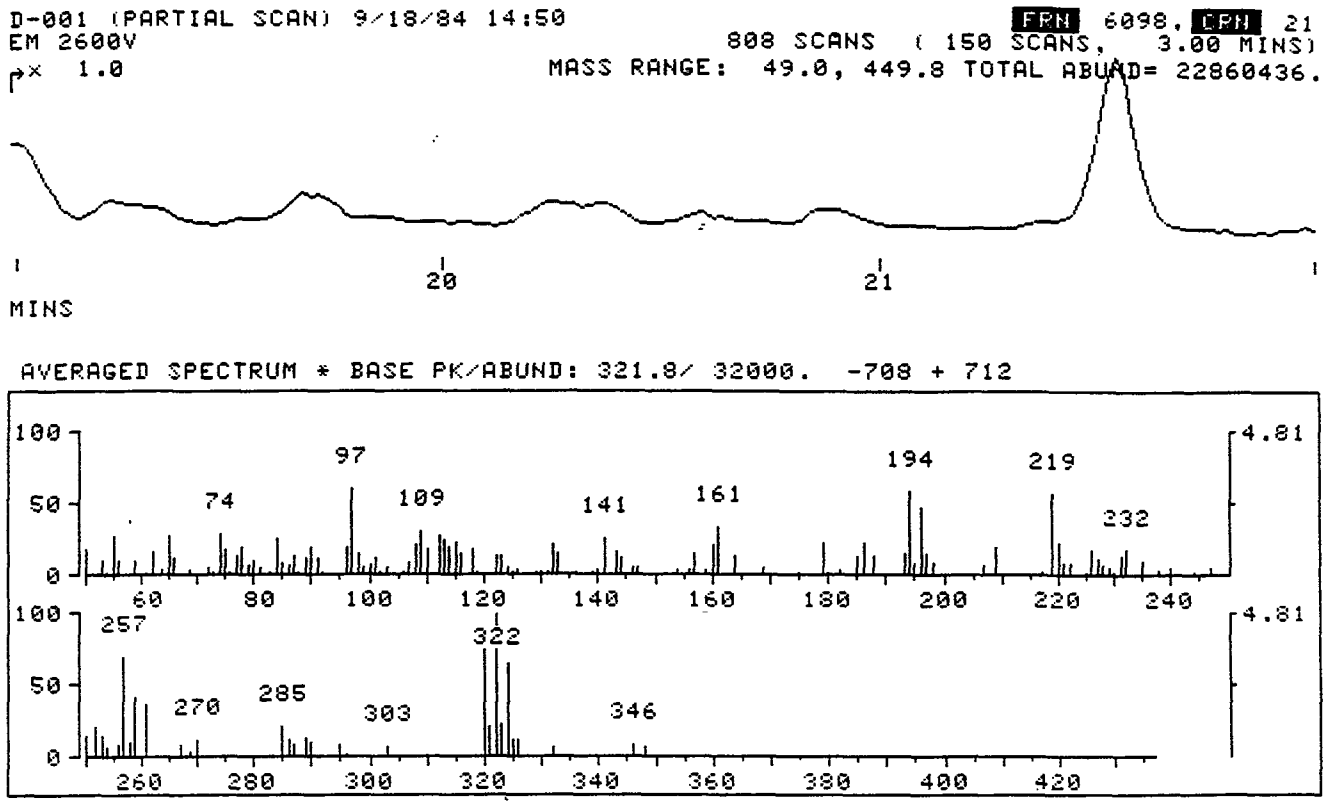


Raw Spectrum



Background

Case 5057 ... 0002



Averaged Spectrum

Case 3081 S ---1

AVERAGED SPECTRUM: FRN 6098, 141 PEAKS

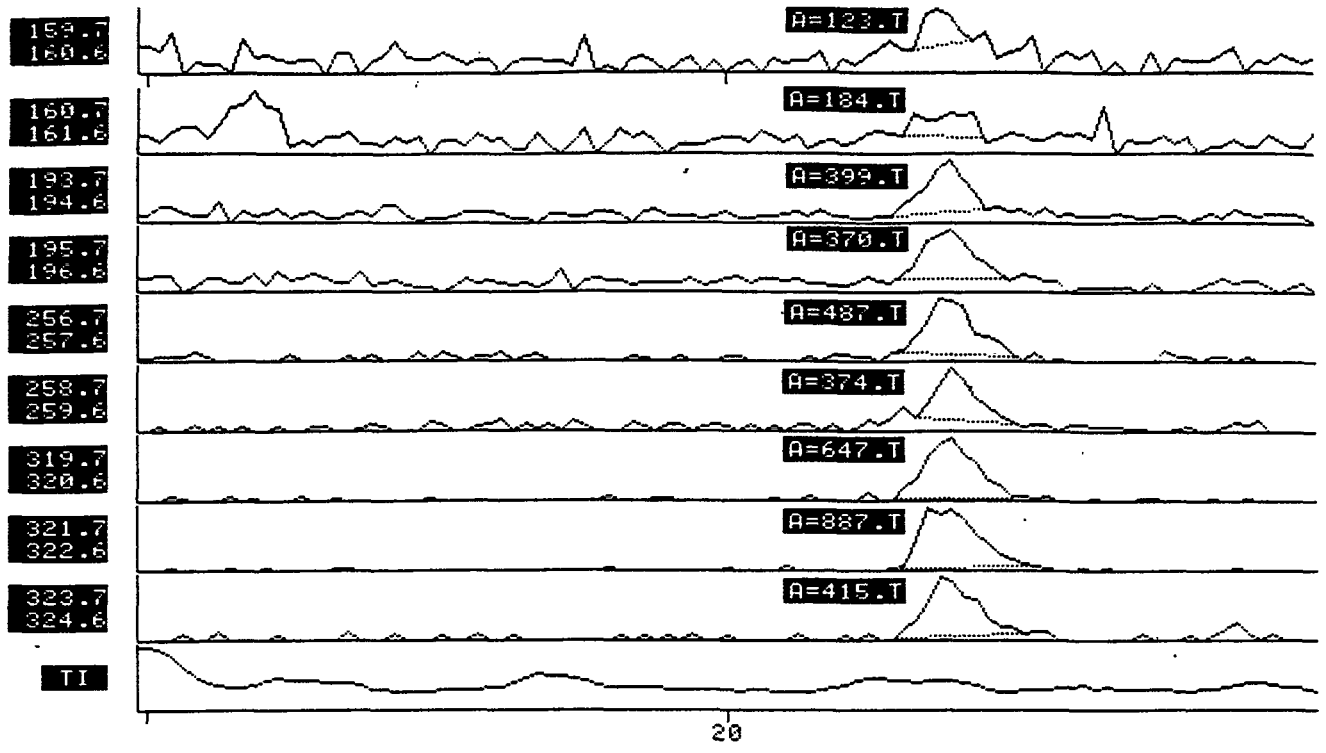
M/Z	REL ABUND	M/Z	REL ABUND	M/Z	REL ABUND	M/Z	REL ABUND
50	17.3	100	7.3	157	14.7	240	6.0
53	10.0	101	12.0	159	4.7	244	1.3
54	1.3	102	2.7	160	20.7	247	6.0
55	27.3	103	6.0	161	34.0	250	14.7
56	10.7	106	1.3	164	14.0	252	20.7
59	10.0	107	8.0	169	5.3	253	14.7
61	2.7	108	20.7	175	2.7	254	7.3
62	16.7	109	30.0	179	22.0	256	8.0
64	4.0	110	18.0	180	2.0	257	70.0
65	28.0	112	28.0	182	3.3	258	10.0
66	11.3	113	24.7	185	12.7	259	41.3
69	3.3	114	20.0	186	23.3	261	36.7
72	5.3	115	22.7	188	12.7	267	9.3
73	2.0	116	14.7	193	15.3	269	4.0
74	28.7	118	17.3	194	59.3	270	11.3
75	18.7	119	2.0	195	8.0	285	20.7
76	2.0	122	12.7	196	48.0	286	12.0
77	13.3	123	12.7	197	14.7	287	9.3
78	19.3	124	5.3	198	9.3	289	13.3
79	6.7	125	2.0	207	7.3	290	10.0
80	10.0	126	4.7	209	20.0	295	8.0
81	6.0	129	2.7	217	2.0	296	2.7
83	2.7	130	2.7	219	56.7	303	7.3
84	25.3	131	.7	220	22.0	320	83.3
85	9.3	132	21.3	221	8.0	321	21.3
86	7.3	133	14.7	222	8.0	322	100.0
87	12.7	136	.7	225	2.7	323	22.0
88	2.7	139	.7	226	18.7	324	64.7
89	12.0	140	4.0	227	11.3	325	11.3
90	19.3	141	25.3	228	7.3	326	12.0
91	11.3	143	16.7	229	6.0	332	7.3
92	1.3	144	11.3	230	2.0	346	8.0
96	20.0	146	6.0	231	13.3	348	6.7
97	60.7	147	5.3	232	18.7		
98	14.7	154	4.7	235	10.0		
99	5.3	156	3.3	238	4.7		

1.29

>PAUSE

Case 3089-6-0065

NAME D-001 (PARTIAL SCAN) 9/18/84 14:50 FRN 6098
MISC EM 2600V



AREA TABLE ENTRIES: FRN 6098

Entry	Time	Mass	Area	%
1	20.4	159.7	123.	13.9
2	20.4	160.7	184.	20.8
3	20.3	193.7	399.	45.0
4	20.4	195.7	370.	41.8
5	20.4	256.7	487.	54.9
6	20.4	258.7	374.	42.2
7	20.4	319.7	647.	73.0
8	20.4	321.7	887.	100.0
9	20.4	323.7	415.	46.9

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6098

Entry	Time	Mass	Area	%
1	20.4	159.7	123.	29.7
2	20.4	160.7	184.	44.4
3	20.3	193.7	399.	96.1
4	20.4	195.7	370.	89.1
5	20.4	256.7	487.	117.1
6	20.4	258.7	374.	90.1
7	20.4	319.7	647.	155.7
8	20.4	321.7	887.	213.4
9	20.4	323.7	415.	100.0

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6098

Entry	Time	Mass	Area	%
1	20.4	159.7	123.	33.0

Case 5067-6-0065

2	20.4	160.7	184.	49.3
3	20.3	193.7	399.	106.7
4	20.4	195.7	370.	99.0
5	20.4	256.7	487.	130.0
6	20.4	258.7	374.	100.0
7	20.4	319.7	647.	172.9
8	20.4	321.7	887.	237.0
9	20.4	323.7	415.	111.0

CALCULATE % ON ENTRY #:
AREA TABLE ENTRIES: FRN 6098

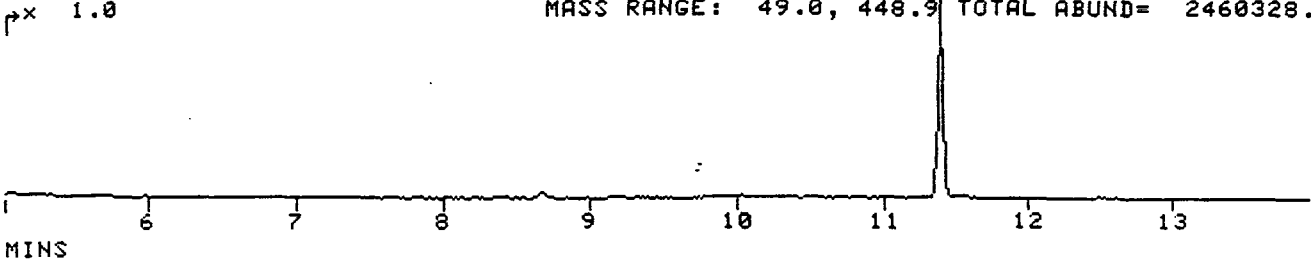
Entry	Time	Mass	Area	%
1	20.4	159.7	123.	33.3
2	20.4	160.7	184.	49.8
3	20.3	193.7	399.	107.8
4	20.4	195.7	370.	100.0
5	20.4	256.7	487.	131.4
6	20.4	258.7	374.	101.0
7	20.4	319.7	647.	174.7
8	20.4	321.7	887.	239.4
9	20.4	323.7	415.	112.2

CALCULATE % ON ENTRY #:

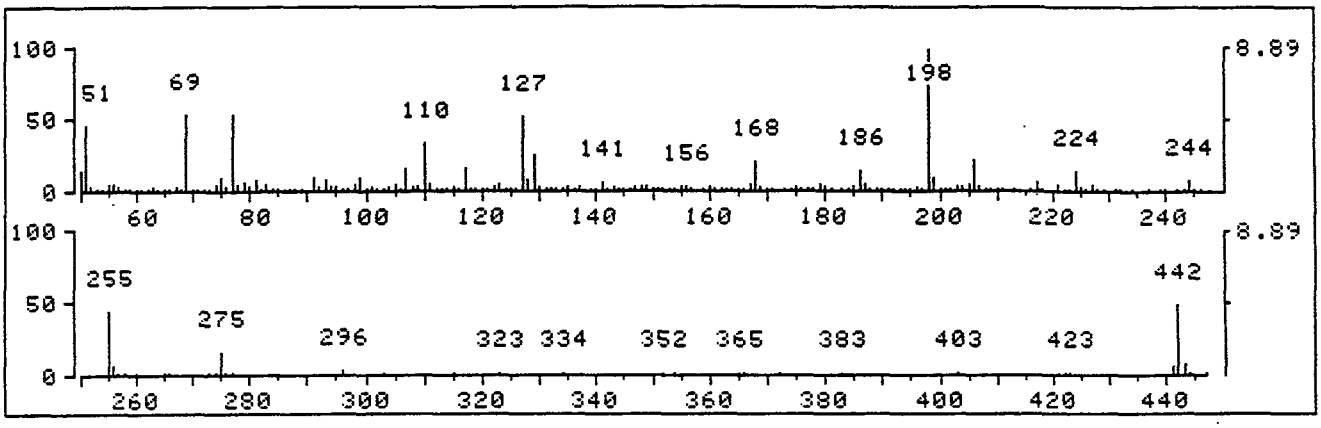
Case 3089-6-0060

DFTPP 50 NG 9/18/84 14:10
EM 2600 V
RX 1.0

FRN 6097, CPN 21
509 SCANS (459 SCANS, 8.93 MINS)
MASS RANGE: 49.0, 448.9 TOTAL ABUND= 2460328.



AVERAGED SPECTRUM * BASE PK/ABUND: 198.1/ 32000. + 377 + 381



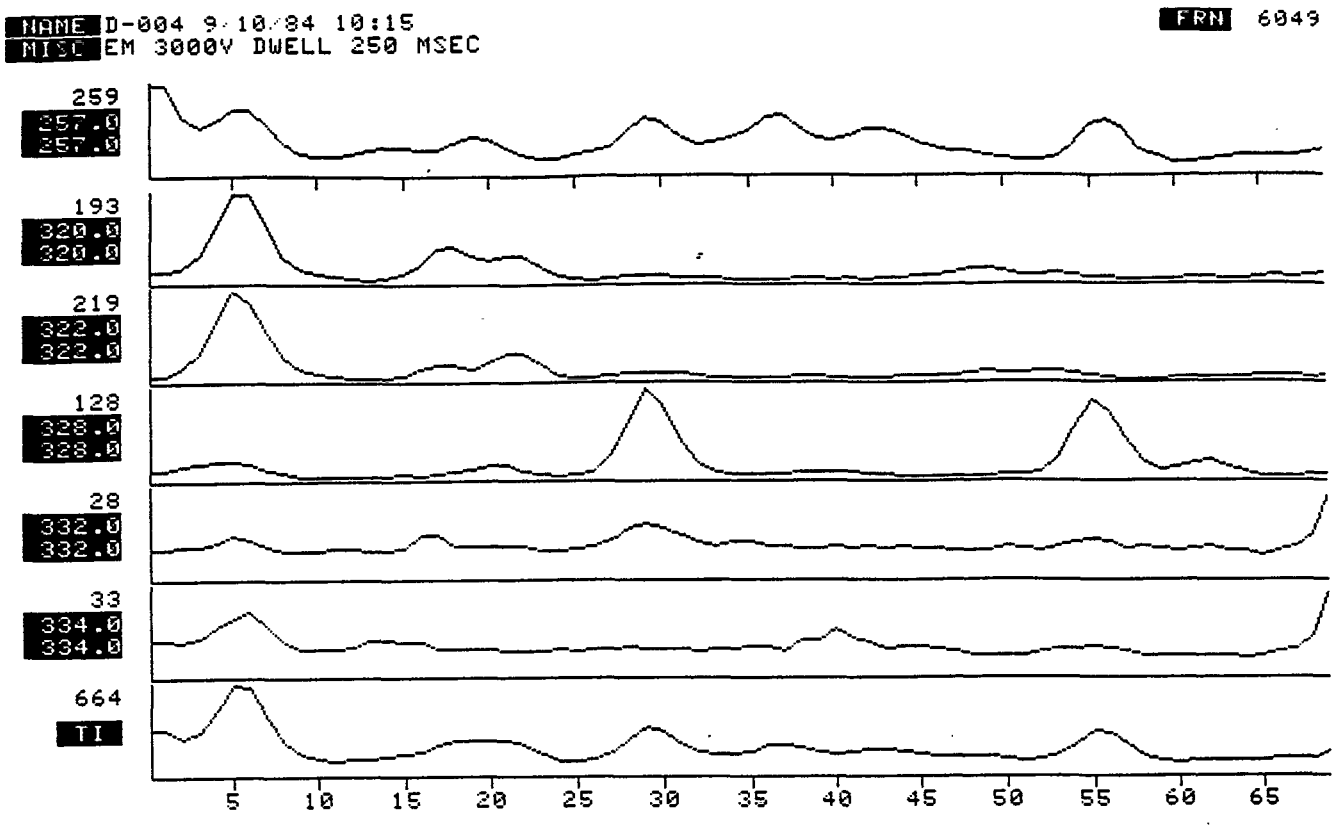
Case 3089-G-0001

AVERAGED SPECTRUM: FRN 6097, 222 PEAKS

M/Z	REL ABUND	M/Z	REL ABUND	M/Z	REL ABUND	M/Z	REL ABUND
50	14.5	105	5.6	161	3.0	218	.9
51✓	46.2	106	.9	162	.6	221	4.8
52	3.8	107	16.4	163	3.0	222	1.1
53	2.7	108	3.8	164	.5	223	1.7
54	1.3	109	3.2	165	2.9	224	15.2
55	5.8	110	33.6	166	1.0	225	3.5
56	5.0	111	5.0	167	5.1	226	.7
57	4.6	112	1.7	168	20.7	227	6.1
58	1.6	113	.7	169	3.6	228	1.1
59	1.3	114	1.0	170	1.2	229	1.5
60	.5	115	3.2	171	1.0	231	.8
61	.7	116	2.3	171	.9	232	.6
62	.8	117	15.9	173	1.5	234	1.0
63	4.1	118	2.9	174	2.7	237	.5
64	1.5	119	2.5	174	.9	239	.5
65	2.1	120	1.2	175	3.5	240	.5
65	.6	121	2.7	176	1.4	240	.5
66	.7	122	3.3	177	1.3	242	.9
67	3.6	123	5.4	178	1.2	243	1.6
68x	1.4	124	.6	179	5.1	244	8.1
69	54.2	125	1.5	180	3.5	245	2.0
70x	1.6	126	1.0	181	2.7	246	.8
71	.8	127✓	53.0	183	.6	255	44.2
72	1.8	128	9.2	184	.9	256	6.3
73	1.2	129	25.1	185	3.9	257	.5
74	5.8	130	4.4	186	15.3	258	2.7
75	10.6	131	2.0	187	5.1	260	.6
76	4.1	132	1.7	188	1.5	265	.8
77	54.0	133	2.9	189	1.7	266	.5
78	6.1	134	2.4	190	1.0	273	1.5
79	7.4	135	4.2	191	.6	274	2.6
80	3.5	136	2.2	192	2.1	275✓	16.5
81	8.5	137	4.3	193	1.9	276	1.5
82	2.4	139	1.3	194	.7	277	2.5
83	5.3	140	1.4	194	.7	296	4.3
84	2.0	141	6.3	195	1.4	303	.5
85	1.5	142	2.4	196	4.1	315	.6
86	2.0	143	3.6	197✓	.5	323	1.9
87	1.9	144	1.6	198✓	100.0	334	1.3
88	.8	144	1.2	199x	9.7	352	.6
89	1.7	145	3.0	200	1.2	354	.5
91	9.7	146	1.2	201	2.5	365✓	1.6
92	3.1	147	3.7	201	1.8	366	.5
92	.8	148	4.3	202	.7	372	1.2
93	9.0	149	4.3	203	4.0	383	.6
94	3.2	150	2.0	204	3.1	403	.6
95	4.1	151	1.3	205	5.8	421	.6
96	1.5	152	1.5	206	23.4	422	.6
97	.9	153	1.8	207	3.3	423	2.6
98	5.4	154	1.0	208	1.3	441✓	7.7
99	10.9	155	3.8	209	.6	442✓	49.0
100	1.4	156	4.2	210	.5	443✓	8.8
101	4.3	157	2.0	211	1.5	444	.8
102	1.1	159	2.6	213	.7	447	.5
103	2.9	160	3.6	216	1.3		
104	4.0	161	.7	217	6.9		

>PAUSE

3089-6-0066



Rejected

Case 3089-6-0067

HPI Run Log

i	FRN	BIDS #	Init	Date	Time	CRN	Tuning Freq (1000)	Tuning Freq Date	Comments
	6014	CC 5	DO	8/28/84	16:15	21		8/28	
	6015	CC 5	DO	8/29/84	8:25	21	1001	8/28	
	6016	Perf. Check	DO	8/29/84	9 05	21	1001	8/28	Start Init. Calib
	6017	CC 1	DO	8/29/84	9:40	21	1001	8/28	
	6018	CC 2	DO	8/29/84	10:05	21	1001	8/28	
	6019	CC 3	DO	8/29/84	10:30	21	1001	8/28	
	6020	CC 4	DO	8/29/84	10:55	21	1001	8/28	
	6021	CC 5	DO	8/29/84	11:20	21	1001	8/28	
	6022	CC 1	DO	8/29/84	11:45	21	1001	8/28	
	6023	CC 2	DO	8/29/84	12:10	21	1001	8/28	
	6024	CC 3	DO	8/29/84	12:35	21	1001	8/28	
	6025	CC 4	DO	8/29/84	13:15	21	1001	8/28	
	6026	CC 5	DO	8/29/84	13:40	21	1001	8/28	
	6027	CC 1	DO	8/29/84	14:05	21	1001	8/28	
	6028	CC 2	DO	8/29/84	14:30	21	1001	8/28	
	6029	CC 3	DO	8/29/84	14 55	21	1001	8/28	
	6030	CC 4	DO	8/29/84	15:25	21	1001	8/28	
	6031	CC 5	DO	8/29/84	15:50	21	1001	8/28	
	6032	Perf. chk	DO	8/29/84	16:15	21	1001	8/28	
	6034	9826	DO	9/5/84		61	1000	8/28	Volatile PPs
	6035	9826	DO	9/6/84		61	1000	8/28	"
	6036	Perf. chk	DO	9/7/84	8:30	21	1001	8/28	Routine ~~Initial~~ DO 9/7/84 calib
	6037	CC 1	DO	9/7/84	10:10	21	1001	8/28	
	6038	D-001	DO	9/7/84	10:45	21	1001	8/28	Sample Analysis
	6039	D-002	DO	9/7/84	11:25	21	1001	8/28	
	6040	D-003	DO	9/7/84	11:55	21	1001	8/28	
	6041	D-004	DO	9/7/84	12:25	21	1001	8/28	- Needs reinjection
	6042	D-005	DO	9/7/84	12:50	21	1001	8/28	
	6043	D-006	DO	9/7/84	13:15	21	1001	8/28	

Case 3089-6-86

FRN	Bios #	Init	Date	Time	C.20	Today's Date	Comments
6044	D-007	RD	9/7/84	13:00	21	1001 8/28	
6045	RB1	RD	9/7/84	14:05	21	1001 8/28	
6046	Perf. chk	RD	9/7/84	14:	21	1001 8/28	
6047	Perf-Check	RD	9/10/84	8:35	21	1001 8/28	RD slidey Routine Calib ↓
6048	CC1	RD	9/10/84	9:15	21	1001 8/28	
6049	D-004	RD	9/10/84	10:15	21	1001 8/28	Repeat Analysis
6050	D-005	RD	9/10/84	10:45	21	1001 8/28	" "
6051	D-004	RD	9/10/84	11:45	21	1001 8/28	" "
6052	D-008	RD	9/10/84	13:25	21	1001 8/28	Sample Analysis
6053	D-009	RD	9/10/84	13.50	21	1001 8/28	↓
6054	D-011	RD	9/10/84	14:25	21	1001 8/28	
6055	D-012	RD	9/10/84	14:55	21	1001 8/28	
6056	D-013	RD	9/10/84	16:05	21	1001 8/28	
6057	Perf chk	RD	9/10/84	16:35	21	1001 8/28	
6058	Perf. chk	RD	9/11/84	9:55	21	1001 8/28	Routine Calib
6059	CC1	RD	9/11/84	10:35	21	1001 8/28	" "
6060	D-010	RD	9/11/84	11:20	21	1001 8/28	
6061	D-014	RD	9/11/84	11:55	21	1001 8/28	
6062	RB 2	RD	9/11/84	12:20	21	1001 8/28	
6063	Perf. Check	RD	9/11/84	16:05	21	1001 8/28	
6064	Perf-Check	RD	9/12/84	9:40	21	1001 8/28	Routine Calib
6065	CC1	RD	9/12/84	10:15	21	1001 8/28	"
6066	D-015	RD	9/12/84	10:55	21	1001 8/28	Samples
6067	D-016	RD	9/12/84	11:40	21	1001 8/28	↓
6068	D-017	RD	9/12/84	12:35	21	1001 8/28	
6069	D-018	RD	9/12/84	13:00	21	1001 8/28	
6070	D-019	RD	9/12/84	13:30	21	1001 8/28	
6071	RB 3	RD	9/12/84	15:40	21	1001 8/28	
6072	PC	RD	9/12/84	16:10	21	1001 8/28	

Case 3089-6-XX

FRN	Bottle #	Init.	Date	Time	CRN	Cycle	Date	Comments
6073	PC	DO	9/13/84	9:40	21	1001	8/28	Routine Calib
6074	CC1	DO	9/13/84	10:35	21	1001	8/28	
7015 ~~6075~~	D-020	DO	9/13/84	11:25	21	1001	8/28	Input error FRN =
6076	D-021	DO	9/13/84	11:55	21	1001	8/28	
6077	D-022	DO	9/13/84	12:35	21	1001	8/28	
6078	D-023	DO	9/13/84	13:10	21	1001	8/28	
6079	D-024	DO	9/13/84	13:35	21	1001	8/28	
6080	RB4	DO	9/13/84	14:15	21	1001	8/28	
6081	PC	DO	9/13/84	14:50	21	1001	8/28	
6082	Blank	DO	9/17/84		61	1000		UOA - Run
6083	Comp = 739, 740, 742	DO	9/17/84		61			PT 25 Influent
6084	730 Composite	DO	9/17/84		61			PT 30 Influent
6085	745, 46, 48, 50 Composite	DO	9/17/84		61			PT 25 Effluent
6086	737, 38, 41, 43 Composite	DO	9/17/84		61			PT. 30 Effluent
6087	759, 61, 63, 65 Composite	DO	9/17/84		61			PT 6 8/21 Influent
6088	767, 69, 71, 73 Composite	DO	9/17/84		61			PT. 6 8/22 Influent
6089	760, 62, 64, 66 Comp	DO	9/17/84		61			PT. 6 8/21 Effluent
6090	772, 74, 68 Comp	DO	9/17/84					PT 6 8/22 Effluent
6091	PC	DO	9/18/84	8:25	21	1001	8/28	Routine Calib
6092	CC1	DO	9/18/84	9:45	21	1001	8/28	
6093	D-020 2	DO	9/18/84	11:45	21	1001	8/28	
6094	D-004 R	DO	9/18/84	11:50	21	1001	8/28	
6095	RB 5	DO	9/18/84	12:45	21	1001	8/28	
6096	PC	DO	9/18/84	13:25	21	1001	8/28	
6097	DFTPP	DO	9/18/84	14:10	21	1000	8/28	
6098	D-001	DO	9/18/84	14:50	21	1000	8/28	Confirm.

Biospherics Incorporated 3089-6-0068

Dioxon Assignment / Work-up Sheet

Wet Lab Assignment:	Date Received: 8/21/84	SMO Case No. 3089
GC/MS Assignment:	Date Due:	Bios. No. D-001 → 024

Sample Wt.: 1 g. or (10 g.) (circle one)

Bios. No.	SMO No.	Extraction Date/Init.	Column Date/Init.	Concentration Date/Init.	Notebook No./Pg.	GC/MS Date/Init.	Notebook No./Pg.
D-001	DF003601	8/31/84 WB	9/6/84 WB	9/6/84 WB	2/1	9/7/84 RD	
D-002	DF003602	8/31/84 WB	9/6/84 WB	9/6/84 WB	2/1	9/7/84 RD	
D-003	DF003603	8/31/84 WB	9/6/84 WB	9/6/84 WB	2/1	9/7/84 RD	
D-004	DF003604	8/31/84 WB	9/6/84 WB	9/6/84 WB	2/1	9/18/84 RD	
D-005	DF003605	8/31/84 WB	9/6/84 WB	9/6/84 WB	2/1	9/10/84 RD	
D-006	DF003606	8/31/84 WB	9/6/84 WB	9/6/84 WB	2/1	9/7/84 RD	
D-007	DF003607	8/31/84 WB	9/6/84 WB	9/6/84 WB	2/1	9/7/84 RD	
D-008	DF003608	9/4/84 WB	9/10/84 DD	9/6/84 WB	2/3	9/10/84 RD	
D-009	DF003609	9/4/84 WB	9/10/84 DD	9/6/84 WB	2/3	9/13/84 RD	
D-010	DF003610	100ml WB	—	9/6/84 WB	2/3	9/11/84 RD	
D-011	DF003611	9/4/84 WB	9/10/84 DD	9/6/84 WB	2/3	9/10/84 RD	
D-012	DF003612	9/4/84 WB	9/10/84 DD	9/6/84 WB	2/3	9/10/84 RD	
D-013	DF003613	9/4/84 WB	9/10/84 DD	9/6/84 WB	2/3	9/10/84 RD	
D-014	DF003614	9/4/84 WB	9/10/84 DD	9/6/84 WB	2/3	9/11/84 RD	
D-015	DF003615	9/5/84 WB	9/11/84 WB	9/10/84 WB	2/5	9/12/84 RD	
D-016	DF003616	9/5/84 WB	9/11/84 WB	9/10/84 WB	2/5	9/12/84 RD	
D-017	DF003617	9/5/84 WB	9/11/84 WB	9/10/84 WB	2/5	9/12/84 RD	
D-018	DF003618	9/5/84 WB	9/11/84 WB	9/10/84 WB	2/5	9/12/84 RD	
D-019	DF003619	9/5/84 WB	9/11/84 WB	9/10/84 WB	2/5	9/12/84 RD	
D-020	DF003620	9/7/84 WB	9/12/84 WB	9/11/84 WB	2/7	9/13/84 RD	
D-021	DF003621	9/7/84 WB	9/12/84 WB	9/11/84 WB	2/7	9/13/84 RD	
D-022	DF003622	9/7/84 WB	9/12/84 WB	9/11/84 WB	2/7	9/13/84 RD	
D-023	DF003623	9/7/84 WB	9/12/84 WB	9/11/84 WB	2/7	9/13/84 RD	
D-024	DF003624	9/7/84 WB	9/12/84 WB	9/11/84 WB	2/7	9/13/84 RD	

Analyst's Comments: D-020 run in duplicate.

D-020 D - GC/MS on 9/18/84 120

Supervisors's Comments:

1. Alternate clean-up required for Bios. No. : —
2. Re-analysis required for Bios. No. : D-004
3. Others : _____

White - Case File Complete Yellow - Archives Pink - Wet Lab Assignment Golden Rod - Case File(initial)

00205959

In Reference to Case No(s): 3089 (1)+(2) also 3449 (3)

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: 2/22/85 & 3/1/85

Laboratory Name: USTC - U.S. TESTING

Lab Contact: ELI PATROT (sp?)

Region: VI - HOUSTON

Regional Contact: M.C. RITTER

Call Initiated By: ___ Laboratory ✓ Region

In reference to data for the following sample number(s):

(1) F4201 + F4208 PESTICIDE DATA USTC 77119
(2) F4131 + F4132 PESTICIDE DATA USTC 77113
(3) CASE DATA Case 3449 - Pesticide incomplete.

Summary of Questions/Issues Discussed:

(1) + (2) DATA FOR THESE SAMPLES PESTICIDE ANALYSIS MISSING

(1) DATA FOR CASE PESTICIDE RECEIVED 2/2 WITH NO EXPLANATION AS WHY F4201 AND F4208 NOT INCLUDED

(2) THIS DATA MISSING SINCE 11/5/84

Summary of Resolution: ORIGINAL CASE DATA SUBMITTED FOR PESTICIDES

(1) + (2) LAB TO CHECK AND SEE WHY DATA MISSING

(3) CALL SMO 3/1/85 ABOUT THIS ONE - OUR COPY OF CASE 3449 (USTC 77141) PESTICIDE DATA APPEARS INCOMPLETE NO STDS CALIBRATION OR SAMPLE ANALYSIS ON CONFIRMING COLUMN WHY NOT?

M.C. Ritter
Signature

2/22/85
Date

03205960 3/1/85

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy

HES-SH Case Data [Case 3449]