02207

US EPA RECORDS CENTER REGION 5
514053

CONTINUING CALIBRATION RAW DATA

4/27/88 11:38:57 SCAN 1 OF 1350
Acquisition started

Acquire Run 0:STDZ807 ACQUIRING
04/27/88 11:38:00 + 0:04 Free sectors: 10571 Scan: 4 of 1350 02208
Sample: 50 PPB HSL STD
Conds.: GC DESC CV
Formula: --- Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No: 59524

********** GC PARAMETERS **********
Loaded GC Desc:CV Current GC oven tmp: -9 DegC Injector : 150 DegC
Current GC Desc:CV GC elapsed time : 0: 3 min Int.oven : 150 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	-10 ~ -10	-	1.0	1.0	Sweep/Split	32.7	0.0
2	-10 ~ 100	6.0	18.3	19.3	Divert	32.7	0.0
3	100 ~ 170	8.3	8.4	27.7			
4	170 ~ 170	-	5.0	32.7			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.95 L* Top: 0.00
High mass: 300 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 18 Samp Int (ms): 0.200 Peak Width: 1000.
Frag S/P: 10 Actual: 9 Samp Int (ms): 0.400 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	0	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

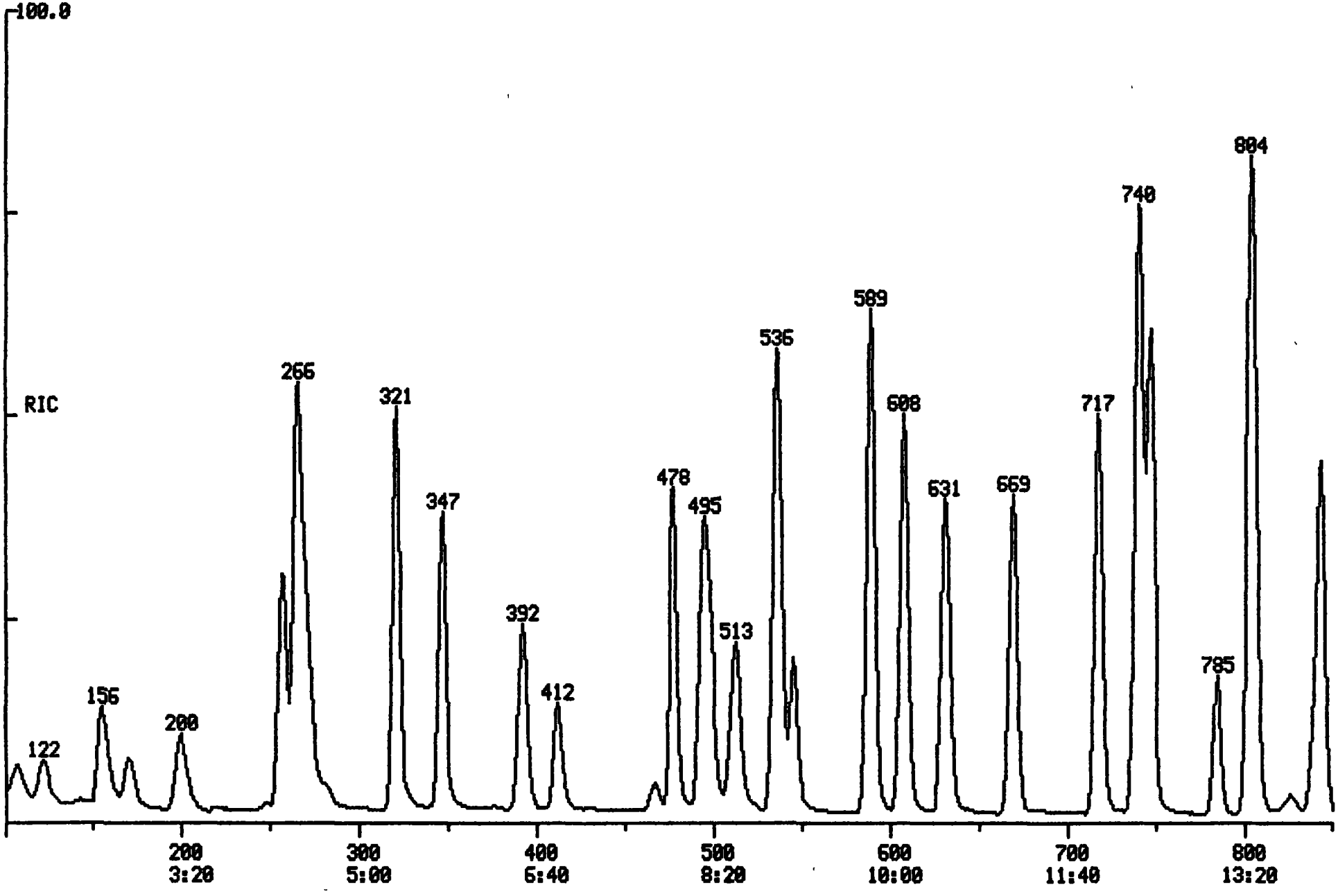
4/27/88 12:01:30
ACQUISITION COMPLETED
SCANS 1 TO 1350 Centroid

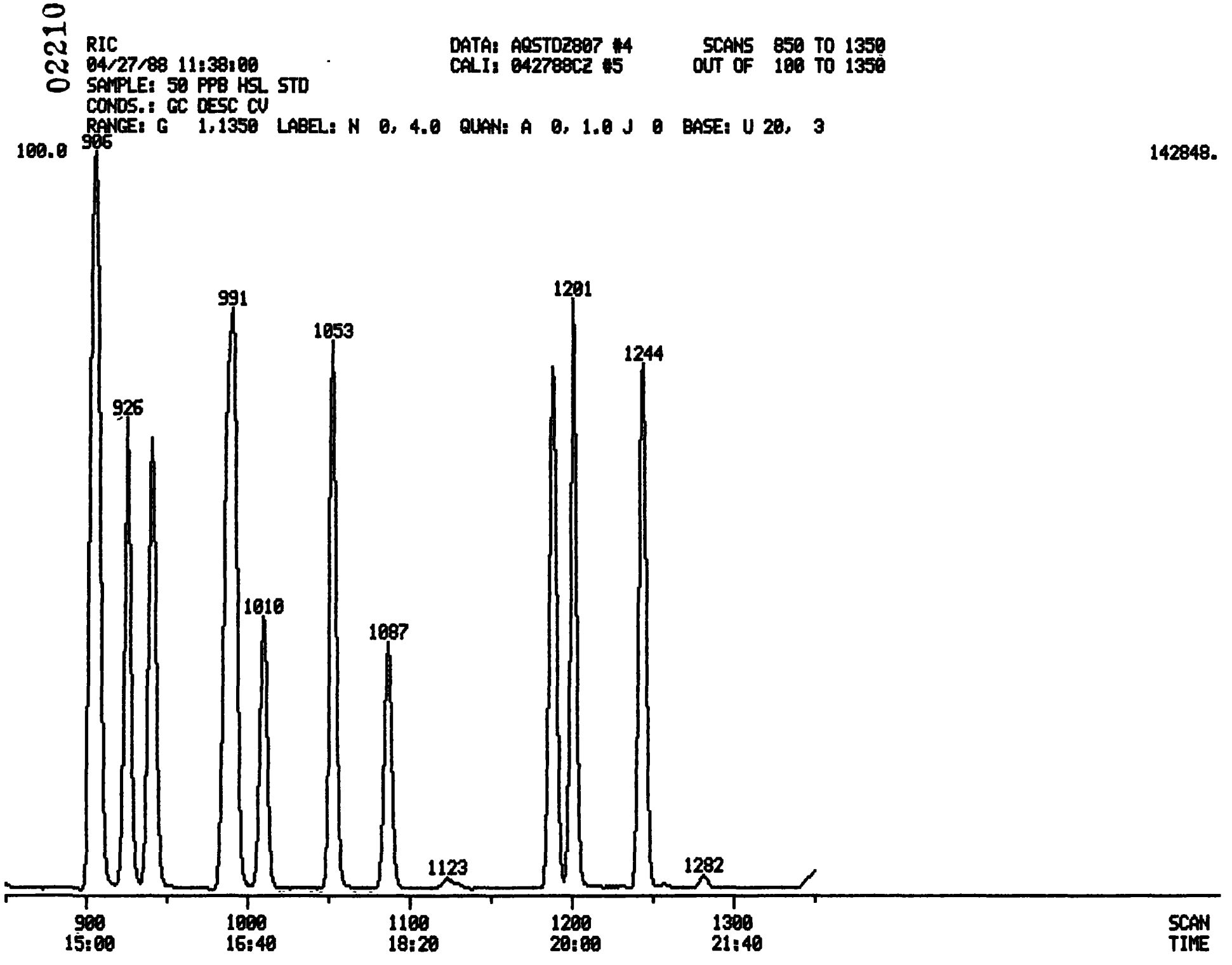
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	1350	49.7	1350.0	3.7	41255.	31. 31.

02209

RIC
04/27/88 11:38:00
SAMPLE: 50 PPB HSL STD
CONDS.: GC DESC CV
RANGE: G 1,1350 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AQSTDZ807 #4 SCANS 100 TO 850
CALI: 042788CZ #5 OUT OF 100 TO 1350

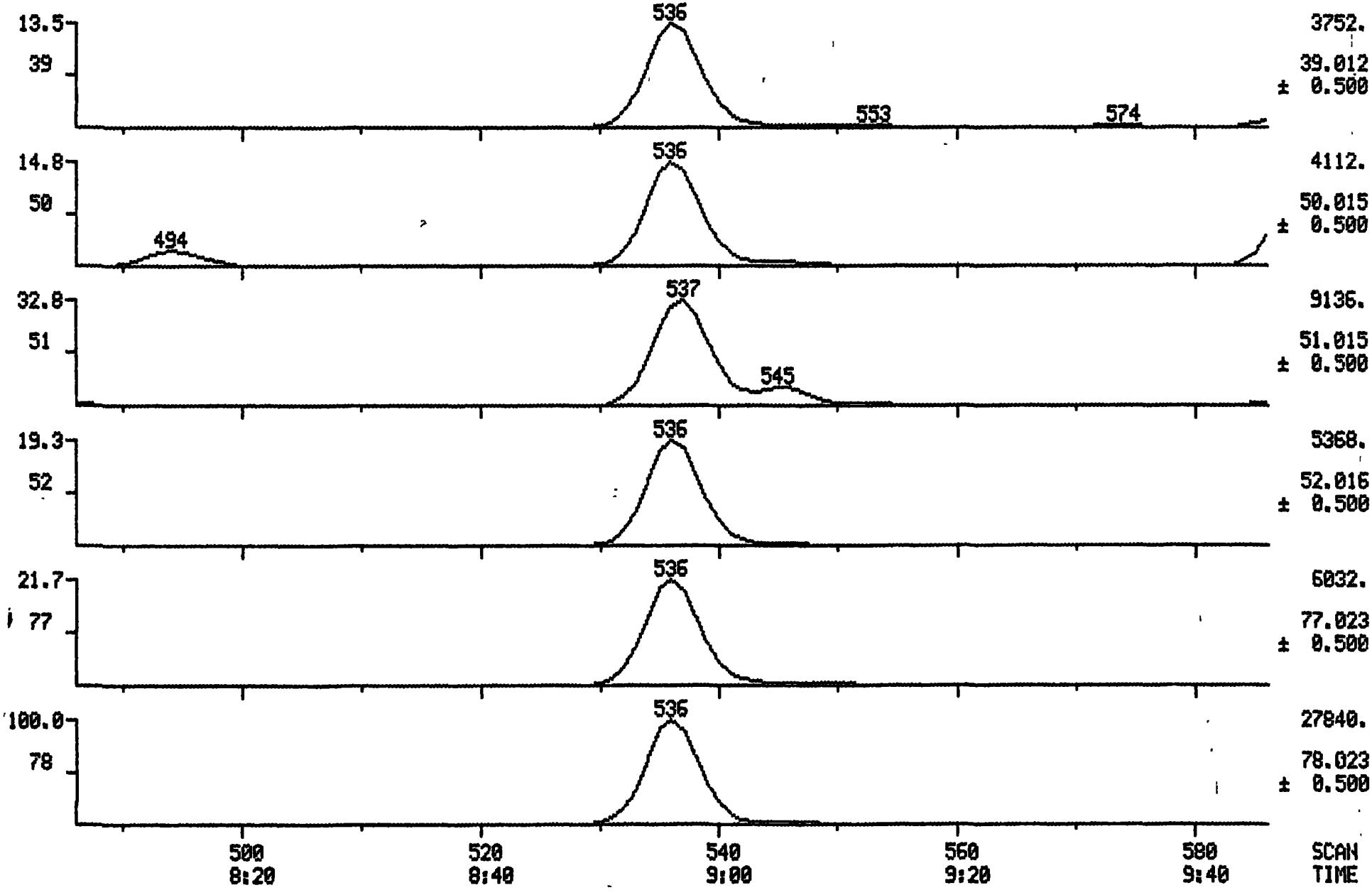



02210
RIC
04/27/88 11:38:00
SAMPLE: 50 PPB HSL STD
CONDS.: GC DESC CV
DATA: AQSTDZ807 #4
CALI: 042788CZ #5
SCANS 850 TO 1350
OUT OF 100 TO 1350
RANGE: G 1.1350 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
142848.
906
926
991
1010
1053
1087
1123
1201
1244
1282
900
15:00
1000
16:40
1100
18:20
1200
20:00
1300
21:40
SCAN
TIME

02211

MASS CHROMATOGRAMS
04/27/88 11:38:00
SAMPLE: 50 PPB HSL STD
CONDS.: GC DESC CV
C165 BENZENE 78 V2# 60 71-43-2
RANGE: G 1.1350 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: AQSTDZ807 #536 SCANS 486 TO 586
CALI: 042788CZ #5



PROCEDURE: TCA DIAGNOSTIC REPORT 4/30/88 13:33:46
DATA FILE: AQSTDZ807
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

02212

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	13	12	2	399	ISO1/TCO1
3	3	1	79	18	10	1	450	ISO2/TCO2
3	3	1	79	6	5	1	362	ISO3/TCO3
1	1	1	0	9	7	2	68	ISO4/TCO4

41 COMPOUNDS PROCESSED, 29 FOUND

COMPOUND NO	COMPOUND LIB	COMPOUND ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/Z	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	V1	1	-476	478	478	.	1	991	.	128	477	-1	1
2	V1	10	-116	103	107	4	1	984	.	50	107	.	1
3	V1	25	-130	118	122	4	1	994	.	62	122	.	1
4	V1	15	-166	155	156	1	1	998	.	94	156	.	1
5	V1	35	-181	170	170	.	1	971	.	64	170	.	1
6	V1	80	-269	261	257	-4	1	975	.	96	257	.	1
7	V1	65	-277	269	265	-4	1	970	.	76	265	.	1
8	V1	50	-292	285	282	-3	2	998	.	58	282	.	1
9	V1	45	-329	323	321	-2	1	978	.	84	321	.	1
10	V1	95	-355	350	347	-3	1	982	.	96	346	-1	1
11	V1	90	-398	394	392	-2	1	987	.	63	392	.	1
12	V2	25	-424	421	.	.	.	.	.	43	.	.	.
13	V2	10	-476	475	482	7	1	795	.	72	.	.	.
14	V2	1	-588	590	589	-1	1	997	.	114	589	.	1
15	V3	1	-903	905	905	.	1	998	.	117	904	-1	1
16	V1	100	-491	493	494	1	1	988	.	83	494	.	1
17	V2	15	-507	509	.	.	.	.	.	97	.	.	.
18	V2	20	-521	523	513	-10	1	995	.	117	513	.	1
19	V1	2	-531	533	537	4	1	952	.	65	537	.	1
20	V1	110	-538	540	545	5	1	997	.	62	545	.	1
21	V2	60	-542	544	.	.	.	.	.	78	.	.	.
22	V2	45	-608	610	608	-2	1	968	.	130	608	.	1
23	V2	35	-629	631	631	.	1	996	.	63	631	.	1
24	V2	30	-663	665	669	4	1	987	.	83	669	.	1
25	V2	40	-707	709	.	.	.	.	.	75	.	.	.
26	V3	2	-750	752	.	.	.	.	.	98	.	.	.
27	V3	10	-750	752	.	.	.	.	.	58	.	.	.
28	V3	35	-756	759	.	.	.	.	.	92	.	.	.
29	V2	65	-767	770	.	.	.	.	.	75	.	.	.
30	V2	55	-784	787	.	.	.	.	.	97	.	.	.
31	V3	20	-811	810	805	-5	1	991	.	164	805	.	1
32	V2	50	-821	820	.	.	.	.	.	129	.	.	.
33	V3	15	-841	839	839	.	1	991	.	58	839	.	1
34	V3	40	-907	909	908	-1	1	967	.	112	908	.	1
35	V3	50	-924	927	926	-1	1	982	.	106	926	.	1
36	V3	75	-938	941	941	.	2	990	.	106	941	.	1
37	V2	80	-975	980	.	.	.	.	.	173	.	.	.
38	V3	60	-982	988	988	.	1	992	.	106	988	.	1
39	V3	55	-985	991	992	1	1	983	.	104	992	.	1
40	V3	3	-1044	1053	1053	.	1	971	.	95	1053	.	1
41	V3	25	-1073	1084	.	.	.	.	.	83	.	.	.

Quantitation Report File: AGSTDZ807

02213

Data: AGSTDZ807.TI
04/27/88 11:38:00
Sample: 50 PPB HSL STD
Conds.: GC DESC CV
Formula: ---
Submitted by: RMAL

Instrument: 4500
Analyst: CR

Weight: 0.000
Acct. No.: 59524

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
3	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
4	CS10	BROMOFLUOROBENZENE	95	8V3#	03	460-00-4
5	CS15	1,2-DICHLOROETHANE-D4	65	8V1#	02	17060-07-0
6	C010	CHLOROMETHANE	50	V1#	10SP	74-87-3
7	C015	BROMOMETHANE	94	V1#	15	74-83-9
8	C020	VINYL CHLORIDE	62	V1#	25	75-01-4
9	C025	CHLOROETHANE	64	V1#	35	75-00-3
10	C030	METHYLENE CHLORIDE	84	V1#	45	75-09-2
11	C035	ACETONE	58	V1#	50	67-64-1
12	C040	CARBON DISULFIDE	76	V1#	65	75-15-0
13	C045	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
14	C050	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
15	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
16	C060	CHLOROFORM	83	V1#	100CC	67-66-3
17	C065	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
18	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
19	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
20	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
21	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
22	C210	2-HEXANONE	58	V3#	15	591-78-6
23	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
24	C235	CHLOROBENZENE	112	V3#	40	108-90-7
25	C240	ETHYLBENZENE	106	V3#	50	100-41-4
26	C245	STYRENE	104	V3#	55	100-42-5
27	O-XYLENE		106	V3#	60	
28	M+P XYLENES		106	V3#	75	
29	CS05	TOLUENE-D8	98	8V3#	02	2037-26-5
30	C110	2-BUTANONE	72	V2#	10	78-93-3
31	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
32	C125	VINYL ACETATE	43	V2#	25	108-05-4
33	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
34	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
35	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
36	C165	BENZENE	78	V2#	60	71-43-2
37	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
38	C180	BROMOFORM	173	V2#	80	75-25-2
39	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
40	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
41	C230	TOLUENE	92	V3#	35	108-88-3

Quantitation Report File: AQSTDZ807

Data: AQSTDZ807.TI
04/27/88 11:38:00
Sample: 50 PPB HSL STD
Conds.: GC DESC CV
Formula: --- Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.: 59524

02214

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
3	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
4	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
5	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
6	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
7	C010	CHLOROMETHANE	50	V1#	10SP	74-87-3
8	C015	BROMOMETHANE	94	V1#	15	74-83-9
9	C020	VINYL CHLORIDE	62	V1#	25	75-01-4
10	C025	CHLOROETHANE	64	V1#	35	75-00-3
11	C030	METHYLENE CHLORIDE	84	V1#	45	75-09-2
12	C035	ACETONE	58	V1#	50	67-64-1
13	C040	CARBON DISULFIDE	76	V1#	65	75-15-0
14	C045	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
15	C050	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
16	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
17	C060	CHLOROFORM	83	V1#	100CC	67-66-3
18	C065	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
19	C110	2-BUTANONE	72	V2#	10	78-93-3
20	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
21	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
22	C125	VINYL ACETATE	43	V2#	25	108-05-4
23	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
24	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
25	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
26	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
27	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
28	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C165	BENZENE	78	V2#	60	71-43-2
30	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
31	C180	BROMOFORM	173	V2#	80	75-25-2
32	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
33	C210	2-HEXANONE	58	V3#	15	591-78-6
34	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
35	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
36	C230	TOLUENE	92	V3#	35	108-88-3
37	C235	CHLOROBENZENE	112	V3#	40	108-90-7
38	C240	ETHYLBENZENE	106	V3#	50	100-41-4
39	C245	STYRENE	104	V3#	55	100-42-5
40	O-XYLENE		106	V3#	60	
41	M+P XYLENES		106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	477	7:57	1	1.000	A BB	40095.	50.000	UG/L	2.44
2	114	589	9:49	2	1.000	A BB	205539.	50.000	UG/L	2.44
3	117	904	15:04	3	1.000	A BB	179076.	50.000	UG/L	2.44
4	98	740	12:20	3	0.819	M XX	182053.	50.000	UG/L	2.44
5	95	1053	17:33	3	1.165	A BB	120198.	50.000	UG/L	2.44
6	65	337	8:57	1	1.126	A BB	39933.	50.000	UG/L	2.44
7	50	107	1:47	1	0.224	A BB	26242.	50.000	UG/L	2.44
8	94	156	2:36	1	0.327	A BB	42817.	50.000	UG/L	2.44
9	62	122	2:02	1	0.256	A BB	33330.	50.000	UG/L	2.44
10	64	170	2:50	1	0.356	A BB	26894.	50.000	UG/L	2.44
11	84	321	5:21	1	0.673	A BB	70995.	50.000	UG/L	2.44
12	58	282	4:42	1	0.591	A BB	2643.	50.000	UG/L	2.44
13	76	265	4:25	1	0.556	A BB	168042.	50.000	UG/L	2.44
14	96	257	4:17	1	0.539	A BB	50071.	50.000	UG/L	2.44
15	63	392	6:32	1	0.822	A BB	99402.	50.000	UG/L	2.44
16	96	346	5:46	1	0.725	A BB	54720.	50.000	UG/L	2.44
17	83	494	8:14	1	1.036	A BB	89761.	50.000	UG/L	2.44
18	62	545	9:05	1	1.143	A VB	44439.	50.000	UG/L	2.44
19	72	467	7:47	2	0.793	M XX	3808.	50.000	UG/L	2.44
20	97	498	8:18	2	0.846	M XX	61580.	50.000	UG/L	2.44
21	117	513	8:33	2	0.871	A BB	55789.	50.000	UG/L	2.44
22	43	412	6:52	2	0.699	M XX	89117.	50.000	UG/L	2.44
23	83	669	11:09	2	1.136	A BB	104646.	50.000	UG/L	2.44
24	63	631	10:31	2	1.071	A BB	74787.	50.000	UG/L	2.44
25	75	717	11:57	2	1.217	M XX	116891.	70.000	UG/L	3.42
26	130	608	10:08	2	1.032	A BB	69899.	50.000	UG/L	2.44
27	129	843	14:03	2	1.431	M XX	92183.	50.000	UG/L	2.44
28	97	803	13:23	2	1.363	M XX	55388.	50.000	UG/L	2.44
29	78	536	8:56	2	0.910	M XX	152960.	50.000	UG/L	2.44
30	75	785	13:05	2	1.333	M XX	35879.	29.000	UG/L	1.42
31	173	1010	16:50	2	1.715	M XX	78832.	50.000	UG/L	2.44
32	58	742	12:22	3	0.821	M XX	16803.	50.000	UG/L	2.44
33	58	839	13:59	3	0.928	A BB	14378.	50.000	UG/L	2.44
34	164	805	13:25	3	0.890	A BB	66527.	50.000	UG/L	2.44
35	83	1087	18:07	3	1.202	M XX	91914.	50.000	UG/L	2.44
36	92	747	12:27	3	0.826	M XX	105842.	50.000	UG/L	2.44
37	112	908	15:08	3	1.004	A BB	134958.	50.000	UG/L	2.44
38	106	926	15:26	3	1.024	A BB	62501.	50.000	UG/L	2.44
39	104	992	16:32	3	1.097	A BB	133983.	50.000	UG/L	2.44
40	106	988	16:28	3	1.093	A BB	77514.	50.000	UG/L	2.44
41	106	941	15:41	3	1.041	A BB	76500.	50.000	UG/L	2.44

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	7:57	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	9:49	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	15:04	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	12:20	1.00	0.819	1.00	50.00	50.00	1.017	1.017	1.00
5	17:33	1.00	1.165	1.00	50.00	50.00	0.671	0.671	1.00
6	8:57	1.00	1.126	1.00	50.00	50.00	0.996	0.996	1.00
7	1:47	1.00	0.224	1.00	50.00	50.00	0.654	0.654	1.00
8	2:36	1.00	0.327	1.00	50.00	50.00	1.068	1.068	1.00
9	2:02	1.00	0.256	1.00	50.00	50.00	0.831	0.831	1.00
10	2:50	1.00	0.356	1.00	50.00	50.00	0.671	0.671	1.00
11	5:21	1.00	0.673	1.00	50.00	50.00	1.771	1.771	1.00
12	4:42	1.00	0.591	1.00	50.00	50.00	0.066	0.066	1.00
13	4:25	1.00	0.556	1.00	50.00	50.00	4.191	4.191	1.00

02215

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
14	4:17	1.00	0.539	1.00	50.00	50.00	1.249	1.249	1.00
15	6:32	1.00	0.822	1.00	50.00	50.00	2.479	2.479	1.00
16	5:46	1.00	0.725	1.00	50.00	50.00	1.365	1.365	1.00
17	8:14	1.00	1.036	1.00	50.00	50.00	2.239	2.239	1.00
18	9:05	1.00	1.143	1.00	50.00	50.00	1.108	1.108	1.00
19	7:47	1.00	0.793	1.00	50.00	50.00	0.019	0.019	1.00
20	8:18	1.00	0.846	1.00	50.00	50.00	0.300	0.300	1.00
21	8:33	1.00	0.871	1.00	50.00	50.00	0.271	0.271	1.00
22	6:52	1.00	0.699	1.00	50.00	50.00	0.434	0.434	1.00
23	11:09	1.00	1.136	1.00	50.00	50.00	0.509	0.509	1.00
24	10:31	1.00	1.071	1.00	50.00	50.00	0.364	0.364	1.00
25	11:57	1.00	1.217	1.00	70.00	70.00	0.406	0.406	1.00
26	10:08	1.00	1.032	1.00	50.00	50.00	0.340	0.340	1.00
27	14:03	1.00	1.431	1.00	50.00	50.00	0.448	0.448	1.00
28	13:23	1.00	1.363	1.00	50.00	50.00	0.269	0.269	1.00
29	8:56	1.00	0.910	1.00	50.00	50.00	0.744	0.744	1.00
30	13:05	1.00	1.333	1.00	29.00	29.00	0.301	0.301	1.00
31	16:50	1.00	1.715	1.00	50.00	50.00	0.384	0.384	1.00
32	12:22	1.00	0.821	1.00	50.00	50.00	0.094	0.094	1.00
33	13:59	1.00	0.928	1.00	50.00	50.00	0.080	0.080	1.00
34	13:25	1.00	0.890	1.00	50.00	50.00	0.372	0.372	1.00
35	18:07	1.00	1.202	1.00	50.00	50.00	0.513	0.513	1.00
36	12:27	1.00	0.826	1.00	50.00	50.00	0.391	0.391	1.00
37	15:08	1.00	1.004	1.00	50.00	50.00	0.754	0.754	1.00
38	15:26	1.00	1.024	1.00	50.00	50.00	0.349	0.349	1.00
39	16:32	1.00	1.097	1.00	50.00	50.00	0.748	0.748	1.00
40	16:28	1.00	1.093	1.00	50.00	50.00	0.433	0.433	1.00
41	15:41	1.00	1.041	1.00	50.00	50.00	0.427	0.427	1.00

02216

RMAL QUANTITATION SUMMARY FILE: AQSTDZ807
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

.02217

UNITS: UG/L

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1#	1	CI01 BROMOCHLOROMETHANE	128	477	1	40095.	1.000	50.000
2	V2#	1	CI10 1,4-DIFLUOROBENZENE	114	589	2	205539.	1.000	50.000
3	V3#	1	CI20 CHLOROBENZENE-D5	117	904	3	179076.	1.000	50.000
4	V3#	2	CS05 TOLUENE-D8	98	740	3	182053.	1.017	50.000
5	V3#	3	CS10 BROMOFLUOROBENZENE	95	1053	3	120198.	0.671	50.000
6	V1#	2	CS15 1,2-DICHLOROETHANE-	65	537	1	39933.	0.996	50.000
7	V1#	10	C010 CHLOROMETHANE	50	107	1	26242.	0.654	50.000
8	V1#	15	C015 BROMOMETHANE	94	156	1	42817.	1.068	50.000
9	V1#	25	C020 VINYL CHLORIDE	62	122	1	33330.	0.831	50.000
10	V1#	35	C025 CHLOROETHANE	64	170	1	26894.	0.671	50.000
11	V1#	45	C030 METHYLENE CHLORIDE	84	321	1	70995.	1.771	50.000
12	V1#	50	C035 ACETONE	58	282	1	2643.	0.066	50.000
13	V1#	65	C040 CARBON DISULFIDE	76	265	1	168042.	4.191	50.000
14	V1#	80	C045 1,1-DICHLOROETHENE	96	257	1	50071.	1.249	50.000
15	V1#	90	C050 1,1-DICHLOROETHANE	63	392	1	99402.	2.479	50.000
16	V1#	95	TRANS-1,2-DICHLOROETHENE	96	346	1	54720.	1.365	50.000
17	V1#	100	C060 CHLOROFORM	83	494	1	89761.	2.239	50.000
18	V1#	110	C065 1,2-DICHLOROETHANE	62	545	1	44439.	1.108	50.000
19	V2#	10	C110 2-BUTANONE	72	467	2	3808.	0.019	50.000
20	V2#	15	C115 1,1,1-TRICHLOROETHA	97	498	2	61580.	0.300	50.000
21	V2#	20	C120 CARBONTETRACHLORIDE	117	513	2	55789.	0.271	50.000
22	V2#	25	C125 VINYL ACETATE	43	412	2	89117.	0.434	50.000
23	V2#	30	C130 BROMODICHLOROMETHAN	83	669	2	104646.	0.509	50.000
24	V2#	35	C140 1,2-DICHLOROPROPANE	63	631	2	74787.	0.364	50.000
25	V2#	40	C143 CIS-1,3-DICHLORDPRO	75	717	2	116891.	0.406	70.000
26	V2#	45	C150 TRICHLOROETHENE	130	608	2	69899.	0.340	50.000
27	V2#	50	C155 DIBROMOCHLOROMETHAN	129	843	2	92183.	0.448	50.000
28	V2#	55	C160 1,1,2-TRICHLOROETHA	97	803	2	55388.	0.269	50.000
29	V2#	60	C165 BENZENE	78	536	2	152960.	0.744	50.000
30	V2#	65	C172 TRANS-1,3-DICHLOROP	75	785	2	35879.	0.301	29.000
31	V2#	80	C180 BROMOFORM	173	1010	2	78832.	0.384	50.000
32	V3#	10	C205 4-METHYL-2-PENTANON	58	742	3	16803.	0.094	50.000
33	V3#	15	C210 2-HEXANONE	58	839	3	14378.	0.080	50.000
34	V3#	20	C220 TETRACHLOROETHENE	164	805	3	66527.	0.372	50.000
35	V3#	25	C225 1,1,2,2-TETRACHLORO	83	1087	3	91914.	0.513	50.000
36	V3#	35	C230 TOLUENE	92	747	3	105842.	0.591	50.000
37	V3#	40	C235 CHLOROBENZENE	112	908	3	134958.	0.754	50.000
38	V3#	50	C240 ETHYLBENZENE	106	926	3	62501.	0.349	50.000
39	V3#	55	C245 STYRENE	104	992	3	133983.	0.748	50.000
40	V3#	60	O-XYLENE	106	988	3	77514.	0.433	50.000
41	V3#	75	M+P XYLENES	106	941	3	76500.	0.427	50.000

INITIAL CALIBRATION " VHSLCALIB.CF "
VOA COMPOUNDS

CASE NO: 8869
CONTRACTOR: RMAL
CONTRACT NO:

INSTRUMENT ID: W AKA " AQ032888CALI.CF
CALIBRATION DATE: 3-28-88

MINIMUM RF FOR SPCC IS 0.300 MAXIMUM % RSD FOR CCC IS ~~25%~~ 30% 6/9/88

LABORATORY ID: STDW443 STDW441 STDW446 STDW447 STDW449 02218

COMPOUND	RF 20.	RF 50.	RF 100.	RF 150.	RF 200.	AVG RF	%RSD	CCS
1,2-DICHLOROETHANE-D4	1.579	1.711	1.781	1.824	2.007	1.780	8.8	
TOLUENE-D8	1.160	1.145	1.141	1.116	1.135	1.140	1.3	
BROMOFLUOROBENZENE	0.705	0.686	0.662	0.666	0.643	0.672	3.5	
CHLOROMETHANE	2.493	2.313	2.373	2.318	2.249	2.349	3.8	*
BROMOMETHANE	1.407	1.535	1.536	1.469	1.477	1.485	3.6	
DICHLORODIFLUOROMETHANE	1.261	1.246	1.166	1.129	1.106	1.182	5.8	
VINYL CHLORIDE	1.940	2.104	2.049	1.992	1.972	2.011	3.2	*
CHLOROETHANE	1.220	1.176	1.155	1.210	1.140	1.180	2.9	
METHYLENE CHLORIDE	2.303	1.755	1.622	1.658	1.550	1.778	17.0	
ACETONE	0.138	0.119	0.120	0.115	0.113	0.121	8.0	
CARBON DISULFIDE	4.063	3.964	3.841	4.056	3.717	3.928	3.7	
TRICHLOROFLUOROMETHANE	1.953	1.911	1.814	1.856	1.795	1.866	3.5	
1,1-DICHLOROETHENE	1.425	1.344	1.288	1.294	1.248	1.320	5.1	*
1,1-DICHLOROETHANE	3.157	3.317	3.359	3.253	3.313	3.280	2.3	*
TRANS-1,2-DICHLOROETHENE	1.345	1.371	1.357	1.245	1.330	1.330	3.7	
CHLOROFORM	2.501	2.443	2.631	2.375	2.634	2.517	4.5	*
TRICHLORO-TRIFLUORO-ETHANE	1.499	1.475	1.498	1.437	1.502	1.482	1.8	
1,2-DICHLOROETHANE	1.908	1.809	1.843	1.815	1.902	1.855	2.3	
2-BUTANONE	0.038	0.039	0.034	0.034	0.034	0.036	6.3	
1,1,1-TRICHLOROETHANE	0.357	0.342	0.338	0.352	0.347	0.347	2.1	
CARBON TETRACHLORIDE	0.338	0.335	0.330	0.344	0.344	0.338	1.8	
VINYL ACETATE	1.056	1.037	1.054	1.117	1.129	1.079	3.8	
BROMODICHLOROMETHANE	0.518	0.520	0.504	0.527	0.536	0.521	2.3	
1,2-DICHLOROPROPANE	0.520	0.508	0.511	0.535	0.537	0.522	2.5	*
CIS-1,3-DICHLOROPROPENE	0.578	0.572	0.569	0.598	0.597	0.583	2.3	
TRICHLOROETHENE	0.364	0.351	0.345	0.364	0.359	0.357	2.3	
DIBROMOCHLOROMETHANE	0.406	0.395	0.410	0.437	0.449	0.419	5.3	
1,1,2-TRICHLOROETHANE	0.310	0.295	0.295	0.314	0.324	0.308	4.0	
BENZENE	1.061	1.034	1.023	1.072	1.057	1.050	1.9	
TRANS-1,3-DICHLOROPROPENE	0.487	0.483	0.476	0.508	0.517	0.494	3.5	
1,2-DIBROMOETHANE	0.011	0.446	0.000	0.000	0.000	0.092	215.5	
2-CHLOROETHYL VINYL ETHER	0.198	0.184	0.186	0.185	0.197	0.190	3.6	
BROMOFORM	0.325	0.310	0.337	0.344	0.356	0.334	5.2	*
4-METHYL-2-PENTANONE	0.193	0.165	0.175	0.170	0.174	0.175	6.1	
2-HEXANONE	0.193	0.158	0.172	0.168	0.172	0.173	7.3	
TETRACHLOROETHENE	0.413	0.392	0.400	0.396	0.392	0.399	2.2	
1,1,2,2-TETRACHLOROETHANE	0.665	0.567	0.629	0.632	0.652	0.629	5.9	*
TOLUENE	0.747	0.703	0.696	0.683	0.684	0.702	3.7	*
CHLOROBENZENE	0.901	0.871	0.843	0.839	0.827	0.856	3.4	*
ETHYLBENZENE	0.483	0.445	0.447	0.425	0.428	0.446	5.2	*
STYRENE	0.988	0.938	0.935	0.932	0.886	0.936	3.3	
M-XYLENE	0.538	0.557	0.540	0.543	0.508	0.537	3.3	
O+P-XYLENES	0.533	0.522	0.517	0.506	0.485	0.513	3.5	
M-DICHLOROBENZENE	0.612	0.584	0.541	0.564	0.528	0.564	5.9	
O-DICHLOROBENZENE	0.794	0.741	0.750	0.795	0.730	0.762	3.7	
P-DICHLOROBENZENE	0.805	0.743	0.660	0.719	0.626	0.711	9.8	

Form VI

4/28/88 10:14:21 SCAN 1 OF 730 02219
Acquisition started

Acquire Run 3: STDW893 A Acquiring
04/28/88 10:14:00 + 0:03 Free sectors: 25797 Scan: 1 of 730
Sample: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-3
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight: 0.025
Submitted by: RMAL Analyst: DC Acct. No:

*** GC descriptor: V3 ***

GC temperature: 60 DegC Injector: 50 DegC
Elapsed time : 0: 7 min Interface: 220 DegC

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	Time (minutes) total
1	60- 60	-	2.0	2.0
2	60-250	7.0	27.1	29.1
3	250-250	-	10.0	39.1
4	250-250	-	0.0	39.1

Valve times (minutes)

	Open	Close
Sweep/Split	36.1	0.0
Divert	36.1	0.8

*** Scan Parameters ***

Low mass: 40 u
High mass: 260 u

Scan time (s)
Up: 2.95 L*
Down: 0.00 L

Hold time (s)
Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 67 Samp int (ms): 0.200 Peak width: 1000.
Frag S/P: 10 Actual: 10 Samp int (ms): 1.400 Inten/ion: 2

Min peak width: 3 Min frag width %: 81 Min area: 20
ADC threshold: 1 Baseline: 0

MODE: EI (+) Centroid + Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	0	
Full scale mass	812	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(ms)	4	

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	126.00	128.00
Resolution (low)	125.00	128.00
Ion energy	1.88	-4.00
Ion programming	5.41	-4.00
Lens voltage	-80.00	50.20
Extractor voltage	0.94	not used

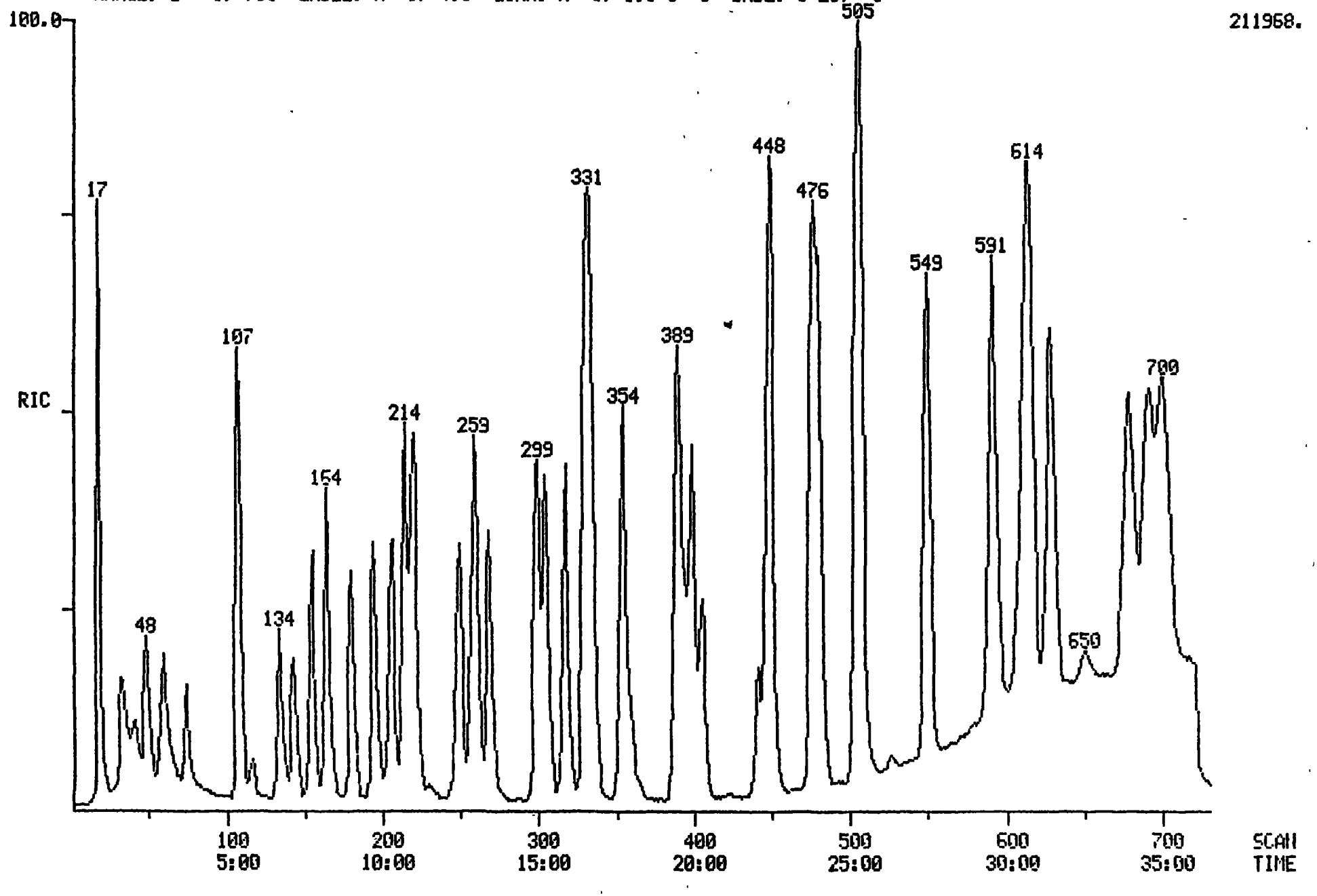
Electron multiplier voltage: -2106.
Electrometer Range: 10 ^-7
Electrometer zero: -4.4

4/28/88 10:50:56
Acquisition completed
Scans 1 to 730 centroid

Mode	Scans	Secs	out of	%	Peaks per scan	per second	
Centroid	730	64.8	2190.0	3.0	28792.	39.	13.

.022220

RIC DATA: STDW893A #4 SCANS 1 TO 730
04/28/88 10:14:00 CALI: 042888CW #1
SAMPLE: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-3
CONDS.: GC DESC V3
RANGE: G 1, 730 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



PROCEDURE: TCA DIAGNOSTIC REPORT 4/28/88 13:08:07
DATA FILE: STDW893A
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 02221
REPORT: ISO1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	9	9	4	33	ISO1/TCO1
3	3	2	0	18	18	2	36	ISO2/TCO2
3	3	1	0	12	12	1	47	ISO3/TCO3
1	1	1	0	7	7	2	52	ISO4/TCO4

41 COMPOUNDS PROCESSED, 41 FOUND

COMPOUND NO	COMPOUND LIB	COMPOUND ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/Z	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	V1	1	-163	164	164	.	1	958	.	128	164	.	1
2	V1	10	-32	32	32	.	1	986	.	50	32	.	1
3	V1	15	-48	48	48	.	1	998	.	94	48	.	1
4	V1	25	-60	60	60	.	1	996	.	62	60	.	1
5	V1	35	-74	74	74	.	1	979	.	64	74	.	1
6	V1	45	-107	107	107	.	1	991	.	84	107	.	1
7	V1	50	-116	116	116	.	4	997	.	58	116	.	1
8	V1	65	-134	134	134	.	1	993	.	76	134	.	1
9	V1	80	-154	155	155	.	1	991	.	96	154	-1	1
10	V2	1	-388	389	389	.	1	995	.	114	389	.	1
11	V3	1	-503	504	504	.	2	996	.	117	504	.	1
12	V1	90	-180	180	180	.	1	991	.	63	180	.	1
13	V1	95	-194	194	194	.	1	993	.	96	194	.	1
14	V1	100	-206	206	206	.	1	1000	.	83	206	.	1
15	V1	2	-219	219	219	.	1	985	.	65	219	.	1
16	V2	10	-219	219	219	.	1	993	.	72	219	.	1
17	V1	110	-221	221	221	.	1	998	.	62	221	.	1
18	V2	15	-249	249	249	.	1	994	.	97	249	.	1
19	V2	20	-257	257	257	.	2	999	.	117	257	.	1
20	V2	25	-260	260	260	.	1	993	.	43	260	.	1
21	V2	30	-268	268	268	.	1	980	.	83	268	.	1
22	V2	35	-299	299	299	.	1	1000	.	63	299	.	1
23	V2	40	-304	304	304	.	1	994	.	75	304	.	1
24	V2	45	-317	317	317	.	1	984	.	130	317	.	1
25	V2	60	-329	329	329	.	1	984	.	78	329	.	1
26	V2	50	-331	331	331	.	1	970	.	129	331	.	1
27	V2	55	-333	333	334	1	1	987	.	97	333	-1	1
28	V2	65	-334	334	334	.	1	958	.	75	334	.	1
29	V2	80	-393	393	393	.	1	989	.	173	393	.	1
30	V3	10	-405	405	405	.	1	998	.	58	405	.	1
31	V3	15	-441	441	441	.	1	994	.	58	441	.	1
32	V3	25	-448	448	448	.	1	878	.	83	448	.	1
33	V3	20	-449	449	449	.	1	989	.	164	449	.	1
34	V3	2	-476	476	476	.	1	992	.	98	476	.	1
35	V3	35	-480	480	480	.	1	989	.	92	480	.	1
36	V3	40	-507	507	507	.	1	988	.	112	507	.	1
37	V3	50	-549	549	549	.	1	995	.	106	549	.	1
38	V3	3	-591	591	591	.	1	991	.	95	591	.	1
39	V3	55	-611	611	612	1	1	990	.	104	611	-1	1
40	V3	60	-615	615	615	.	1	980	.	106	615	.	1
41	V3	75	-628	628	628	.	2	994	.	106	628	.	1

Quantitation Report File: STDW893A

02222

Data: STDW893A.TI
04/28/88 10:14:00
Sample: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-3
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight: 0.025
Submitted by: RMAL Analyst: DC Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name						
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01		74-97-5
2	C010	CHLOROMETHANE	50	V1#	10	SP	74-87-3
3	C015	BROMOMETHANE	94	V1#	15		74-83-9
4	C020	VINYL CHLORIDE	62	V1#	25		75-01-4
5	C025	CHLOROETHANE	64	V1#	35		75-00-3
6	C030	METHYLENE CHLORIDE	84	V1#	45		75-09-2
7	C035	ACETONE	58	V1#	50		67-64-1
8	C040	CARBON DISULFIDE	76	V1#	65		75-15-0
9	C045	1,1-DICHLOROETHENE	61	V1#	80		75-35-4
10	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01		540-36-3
11	CI20	CHLOROBENZENE-D5	117	IV3#	01		3114-55-4
12	C050	1,1-DICHLOROETHANE	63	V1#	90		75-34-3
13	TRANS	-1,2-DICHLOROETHENE	61	V1#	95		156-60-5
14	C060	CHLOROFORM	83	V1#	100	CC	67-66-3
15	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02		17060-07-0
16	C110	2-BUTANONE	72	V2#	10		78-93-3
17	C065	1,2-DICHLOROETHANE	62	V1#	110		107-06-2
18	C115	1,1,1-TRICHLOROETHANE	97	V2#	15		71-55-6
19	C120	CARBONTETRACHLORIDE	117	V2#	20		56-23-5
20	C125	VINYL ACETATE	43	V2#	25		108-05-4
21	C130	BROMODICHLOROMETHANE	83	V2#	30		75-27-4
22	C140	1,2-DICHLOROPROPANE	63	V2#	35	CC	78-87-5
23	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40		10061-01-5
24	C150	TRICHLOROETHENE	130	V2#	45		79-01-6
25	C165	BENZENE	78	V2#	60		71-43-2
26	C155	DIBROMOCHLOROMETHANE	129	V2#	50		124-48-1
27	C160	1,1,2-TRICHLOROETHANE	97	V2#	55		79-00-5
28	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65		10061-02-6
29	C180	BROMOFORM	173	V2#	80		75-25-2
30	C205	4-METHYL-2-PENTANONE	58	V3#	10		108-10-1
31	C210	2-HEXANONE	58	V3#	15		591-78-6
32	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25	SP	79-34-5
33	C220	TETRACHLOROETHENE	164	V3#	20		127-18-4
34	CS05	TOLUENE-D8	98	SV3#	02		2037-26-5
35	C230	TOLUENE	92	V3#	35		108-88-3
36	C235	CHLOROBENZENE	112	V3#	40		108-90-7
37	C240	ETHYLBENZENE	106	V3#	50		100-41-4
38	CS10	BROMOFLUOROBENZENE	95	SV3#	03		460-00-4
39	C245	STYRENE	104	V3#	55		100-42-5
40	M-XYLENE		106	V3#	60		108-38-3
41	O+P XYLENES		106	V3#	75		

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	164	8:12	1	1.000	A BB	36639.	50.000	UG/L	2.44
2	50	32	1:36	1	0.195	A BB	88757.	50.000	UG/L	2.44
3	94	48	2:24	1	0.293	A BB	54569.	50.000	UG/L	2.44
4	62	60	3:00	1	0.366	A BV	75671	50.000	UG/L	2.44
5	64	74	3:42	1	0.451	A VB	46582.	50.000	UG/L	2.44
6	84	107	5:21	1	0.652	A BV	77454	50.000	UG/L	2.44
7	58	116	5:48	1	0.707	A BB	6120.	50.000	UG/L	2.44
8	76	134	6:42	1	0.817	A BB	146334.	50.000	UG/L	2.44
9	96	154	7:42	1	0.939	A BB	49892.	50.000	UG/L	2.44
10	114	389	19:27	10	1.000	A BB	220941.	50.000	UG/L	2.44
11	117	504	25:12	11	1.000	A BB	219156.	50.000	UG/L	2.44
12	63	180	9:00	1	1.098	A BB	126007.	50.000	UG/L	2.44
13	96	194	9:42	1	1.183	A BB	54490.	50.000	UG/L	2.44
14	83	206	10:18	1	1.256	A BB	105725.	50.000	UG/L	2.44
15	65	219	10:57	1	1.335	A BB	72496.	50.000	UG/L	2.44
16	72	219	10:57	10	0.563	A BB	6985.	50.000	UG/L	2.44
17	62	221	11:03	1	1.348	A BB	77840.	50.000	UG/L	2.44
18	97	249	12:27	10	0.640	A BB	71078.	50.000	UG/L	2.44
19	117	257	12:51	10	0.661	A VB	66154.	50.000	UG/L	2.44
20	43	260	13:00	10	0.668	A VB	259492.	50.000	UG/L	2.44
21	83	268	13:24	10	0.689	A BB	102540.	50.000	UG/L	2.44
22	63	299	14:57	10	0.769	A BB	100054.	50.000	UG/L	2.44
23	75	304	15:12	10	0.781	A BB	160993.	70.000	UG/L	3.42
24	130	317	15:51	10	0.815	A BV	71595.	50.000	UG/L	2.44
25	78	329	16:27	10	0.846	A BB	212415.	50.000	UG/L	2.44
26	129	331	16:33	10	0.851	A BB	81691.	50.000	UG/L	2.44
27	97	333	16:39	10	0.856	A BB	57189.	50.000	UG/L	2.44
28	75	334	16:42	10	0.859	A BB	56536.	29.000	UG/L	1.42
29	173	393	19:39	10	1.010	A BB	69040.	50.000	UG/L	2.44
30	58	405	20:15	11	0.804	A BB	30431.	50.000	UG/L	2.44
31	58	441	22:03	11	0.875	A BB	29434.	50.000	UG/L	2.44
32	83	448	22:24	11	0.889	A BB	118959.	50.000	UG/L	2.44
33	164	449	22:27	11	0.891	A BB	76672.	50.000	UG/L	2.44
34	98	476	23:48	11	0.944	A BB	226631.	50.000	UG/L	2.44
35	92	480	24:00	11	0.952	A BB	139326.	50.000	UG/L	2.44
36	112	507	25:21	11	1.006	A BB	169888.	50.000	UG/L	2.44
37	106	549	27:27	11	1.089	A BB	84929.	50.000	UG/L	2.44
38	95	591	29:33	11	1.173	A BB	127207.	50.000	UG/L	2.44
39	104	611	30:33	11	1.212	A BB	154114.	50.000	UG/L	2.44
40	106	615	30:45	11	1.220	A BV	93113.	50.000	UG/L	2.44
41	106	628	31:24	11	1.246	A VB	91636.	50.000	UG/L	2.44

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:36	1.00	0.195	1.00	50.00	50.00	2.422	2.422	1.00
3	2:24	1.00	0.293	1.00	50.00	50.00	1.489	1.489	1.00
4	3:00	1.00	0.366	1.00	50.00	50.00	2.065	2.065	1.00
5	3:42	1.00	0.451	1.00	50.00	50.00	1.271	1.271	1.00
6	5:21	1.00	0.652	1.00	50.00	50.00	2.114	2.114	1.00
7	5:48	1.00	0.707	1.00	50.00	50.00	0.167	0.167	1.00
8	6:42	1.00	0.817	1.00	50.00	50.00	3.994	3.994	1.00
9	7:42	1.00	0.939	1.00	50.00	50.00	1.362	1.362	1.00
10	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
11	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
12	9:00	1.00	1.098	1.00	50.00	50.00	3.439	3.439	1.00
13	9:42	1.00	1.183	1.00	50.00	50.00	1.487	1.487	1.00

02223

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
14	10:18	1.00	1.256	1.00	50.00	50.00	2.886	2.886	1.00
15	10:57	1.00	1.335	1.00	50.00	50.00	1.979	1.979	1.00
16	10:57	1.00	0.563	1.00	50.00	50.00	0.032	0.032	1.00
17	11:03	1.00	1.348	1.00	50.00	50.00	2.125	2.125	1.00
18	12:27	1.00	0.640	1.00	50.00	50.00	0.322	0.322	1.00
19	12:51	1.00	0.661	1.00	50.00	50.00	0.299	0.299	1.00
20	13:00	1.00	0.668	1.00	50.00	50.00	1.174	1.174	1.00
21	13:24	1.00	0.689	1.00	50.00	50.00	0.464	0.464	1.00
22	14:57	1.00	0.769	1.00	50.00	50.00	0.453	0.453	1.00
23	15:12	1.00	0.781	1.00	70.00	70.00	0.520	0.520	1.00
24	15:51	1.00	0.815	1.00	50.00	50.00	0.324	0.324	1.00
25	16:27	1.00	0.846	1.00	50.00	50.00	0.961	0.961	1.00
26	16:33	1.00	0.851	1.00	50.00	50.00	0.370	0.370	1.00
27	16:39	1.00	0.856	1.00	50.00	50.00	0.259	0.259	1.00
28	16:42	1.00	0.859	1.00	29.00	29.00	0.441	0.441	1.00
29	19:39	1.00	1.010	1.00	50.00	50.00	0.312	0.312	1.00
30	20:15	1.00	0.804	1.00	50.00	50.00	0.139	0.139	1.00
31	22:03	1.00	0.875	1.00	30.00	30.00	0.134	0.134	1.00
32	22:24	1.00	0.889	1.00	50.00	50.00	0.543	0.543	1.00
33	22:27	1.00	0.891	1.00	50.00	50.00	0.350	0.350	1.00
34	23:48	1.00	0.944	1.00	50.00	50.00	1.034	1.034	1.00
35	24:00	1.00	0.952	1.00	50.00	50.00	0.636	0.636	1.00
36	25:21	1.00	1.006	1.00	50.00	50.00	0.775	0.775	1.00
37	27:27	1.00	1.089	1.00	50.00	50.00	0.388	0.388	1.00
38	29:33	1.00	1.173	1.00	50.00	50.00	0.580	0.580	1.00
39	30:33	1.00	1.212	1.00	50.00	50.00	0.703	0.703	1.00
40	30:45	1.00	1.220	1.00	50.00	50.00	0.425	0.425	1.00
41	31:24	1.00	1.246	1.00	50.00	50.00	0.418	0.418	1.00

02224

TCA FINISHED, 41 FOUND
FINISHED AT: 4/29/88 13:13:44

RMAL QUANTITATION SUMMARY FILE: STDW893A
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

02225

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/L AMOUNT
1	V1# 1	CI01 BROMOCHLOROMETHANE	128	164	1	36639.	1.000	50.000
2	V2# 1	CI10 1,4-DIFLUOROBENZENE	114	389	2	220941.	1.000	50.000
3	V3# 1	CI20 CHLOROBENZENE-D5	117	504	3	219156.	1.000	50.000
4	V3# 2	CS05 TOLUENE-D8	98	476	3	226631.	1.034	50.000
5	V3# 3	CS10 BROMOFLUOROBENZENE	95	591	3	127207.	0.580	50.000
6	V1# 2	CS15 1,2-DICHLOROETHANE-	65	219	1	72496.	1.979	50.000
7	V1# 10	C010 CHLOROMETHANE	50	32	1	88757.	2.422	50.000
8	V1# 15	C015 BROMOMETHANE	94	48	1	54569.	1.489	50.000
9	V1# 25	C020 VINYL CHLORIDE	62	60	1	75671.	2.065	50.000
10	V1# 35	C025 CHLOROETHANE	64	74	1	46582.	1.271	50.000
11	V1# 45	C030 METHYLENE CHLORIDE	84	107	1	77454.	2.114	50.000
12	V1# 50	C035 ACETONE	58	116	1	6120.	0.167	50.000
13	V1# 65	C040 CARBON DISULFIDE	76	134	1	146334.	3.994	50.000
14	V1# 80	C045 1,1-DICHLOROETHENE	96	154	1	49892.	1.362	50.000
15	V1# 90	C050 1,1-DICHLOROETHANE	63	180	1	126007.	3.439	50.000
16	V1# 95	TRANS-1,2-DICHLOROETHENE	96	194	1	54490	1.487	50.000
17	V1#100	C060 CHLOROFORM	83	206	1	105725.	2.886	50.000
18	V1#110	C065 1,2-DICHLOROETHANE	62	221	1	77840.	2.125	50.000
19	V2# 10	C110 2-BUTANONE	72	219	2	6985.	0.032	50.000
20	V2# 15	C115 1,1,1-TRICHLOROETHA	97	249	2	71078.	0.322	50.000
21	V2# 20	C120 CARBONTETRACHLORIDE	117	257	2	66154.	0.299	50.000
22	V2# 25	C125 VINYL ACETATE	43	260	2	259492.	1.174	50.000
23	V2# 30	C130 BROMODICHLOROMETHAN	83	268	2	102540.	0.464	50.000
24	V2# 35	C140 1,2-DICHLOROPROPANE	63	299	2	100054.	0.453	50.000
25	V2# 40	C143 CIS-1,3-DICHLOROPRO	75	304	2	160993.	0.520	70.000
26	V2# 45	C150 TRICHLOROETHENE	130	317	2	71595.	0.324	50.000
27	V2# 50	C155 DIBROMOCHLOROMETHAN	129	331	2	81691.	0.370	50.000
28	V2# 55	C160 1,1,2-TRICHLOROETHA	97	333	2	57189.	0.259	50.000
29	V2# 60	C165 BENZENE	78	329	2	212415.	0.961	50.000
30	V2# 65	C172 TRANS-1,3-DICHLOROP	75	334	2	56536.	0.441	29.000
31	V2# 80	C180 BROMOFORM	173	393	2	69040.	0.312	50.000
32	V3# 10	C205 4-METHYL-2-PENTANON	58	405	3	30431.	0.139	50.000
33	V3# 15	C210 2-HEXANONE	58	441	3	29434.	0.134	50.000
34	V3# 20	C220 TETRACHLOROETHENE	164	449	3	76672.	0.350	50.000
35	V3# 25	C225 1,1,2,2-TETRACHLORO	83	448	3	118959.	0.543	50.000
36	V3# 35	C230 TOLUENE	92	480	3	139326.	0.636	50.000
37	V3# 40	C235 CHLOROBENZENE	112	507	3	169888.	0.775	50.000
38	V3# 50	C240 ETHYLBENZENE	106	549	3	84929.	0.388	50.000
39	V3# 55	C245 STYRENE	104	611	3	154114.	0.703	50.000
40	V3# 60	M-XYLENE	106	615	3	93113.	0.425	50.000
41	V3# 75	O+P XYLENES	106	628	3	91636.	0.418	50.000

See Report
K 6-2-88

Quantitation Report File: STDW893A

Data: STDW893A.TI
04/28/88 10:14:00
Sample: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-3
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight: 0.025
Submitted by: RMAL Analyst: DC Acct. No.:

02226

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
3	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
4	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
5	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
6	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
7	CO10	CHLOROMETHANE	50	V1#	10SP	74-87-3
8	CO15	BROMOMETHANE	94	V1#	15	74-83-9
9	CO20	VINYL CHLORIDE	62	V1#	25	75-01-4
10	CO25	CHLOROETHANE	64	V1#	35	75-00-3
11	CO30	METHYLENE CHLORIDE	84	V1#	45	75-09-2
12	CO35	ACETONE	58	V1#	50	67-64-1
13	CO40	CARBON DISULFIDE	76	V1#	65	75-15-0
14	CO45	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
15	CO50	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
16	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
17	CO60	CHLOROFORM	83	V1#	100CC	67-66-3
18	CO65	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
19	C110	2-BUTANONE	72	V2#	10	78-93-3
20	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
21	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
22	C125	VINYL ACETATE	43	V2#	25	108-05-4
23	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
24	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
25	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
26	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
27	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
28	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C165	BENZENE	78	V2#	60	71-43-2
30	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
31	C180	BROMOFORM	173	V2#	80	75-25-2
32	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
33	C210	2-HEXANONE	58	V3#	15	591-78-6
34	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
35	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
36	C230	TOLUENE	92	V3#	35	108-88-3
37	C235	CHLOROBENZENE	112	V3#	40	108-90-7
38	C240	ETHYLBENZENE	106	V3#	50	100-41-4
39	C245	STYRENE	104	V3#	55	100-42-5
40	M-XYLENE		106	V3#	60	108-38-3
41	O+P XYLENES		106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	164	8:12	1	1.000	A BB	36639.	50.000	UG/L	2.44
2	114	389	19:27	2	1.000	A BB	220941.	50.000	UG/L	2.44
3	117	504	25:12	3	1.000	A BB	219156.	50.000	UG/L	2.44
4	98	476	23:48	3	0.944	A BB	226631.	50.000	UG/L	2.44
5	95	591	29:33	3	1.173	A BB	128415.	50.000	UG/L	2.44
6	65	219	10:57	1	1.335	A BB	72496.	50.000	UG/L	2.44
7	50	32	1:36	1	0.195	A BB	88757.	50.000	UG/L	2.44
8	94	48	2:24	1	0.293	A BB	54569.	50.000	UG/L	2.44
9	62	60	3:00	1	0.366	A BV	75671.	50.000	UG/L	2.44
10	64	74	3:42	1	0.451	A VB	46582.	50.000	UG/L	2.44
11	84	107	5:21	1	0.652	A BV	77454.	50.000	UG/L	2.44
12	58	116	5:48	1	0.707	A BB	6120.	50.000	UG/L	2.44
13	76	134	6:42	1	0.817	A BB	146334.	50.000	UG/L	2.44
14	96	154	7:42	1	0.939	A BB	49892.	50.000	UG/L	2.44
15	63	180	9:00	1	1.098	A BB	126007.	50.000	UG/L	2.44
16	96	194	9:42	1	1.183	A BB	54490.	50.000	UG/L	2.44
17	83	206	10:18	1	1.256	A BB	105725.	50.000	UG/L	2.44
18	62	221	11:03	1	1.348	A BB	77840.	50.000	UG/L	2.44
19	72	219	10:57	2	0.563	A BB	6985.	50.000	UG/L	2.44
20	97	249	12:27	2	0.640	A BB	71078.	50.000	UG/L	2.44
21	117	257	12:51	2	0.661	A VB	66154.	50.000	UG/L	2.44
22	43	260	13:00	2	0.668	A VB	259492.	50.000	UG/L	2.44
23	83	268	13:24	2	0.689	A BB	102540.	50.000	UG/L	2.44
24	63	299	14:57	2	0.769	A BB	100054.	50.000	UG/L	2.44
25	75	304	15:12	2	0.781	A BB	160993.	70.000	UG/L	3.42
26	130	317	15:51	2	0.815	A BV	71595.	50.000	UG/L	2.44
27	129	331	16:33	2	0.851	A BB	81691.	50.000	UG/L	2.44
28	97	333	16:39	2	0.856	A BB	57189.	50.000	UG/L	2.44
29	78	329	16:27	2	0.846	A BB	212415.	50.000	UG/L	2.44
30	75	334	16:42	2	0.859	A BB	56536.	29.000	UG/L	1.42
31	173	393	19:39	2	1.010	A BB	69040.	50.000	UG/L	2.44
32	58	405	20:15	3	0.804	A BB	30431.	50.000	UG/L	2.44
33	58	441	22:03	3	0.875	A BB	29434.	50.000	UG/L	2.44
34	164	449	22:27	3	0.891	A BB	76672.	50.000	UG/L	2.44
35	83	448	22:24	3	0.889	A BB	118959.	50.000	UG/L	2.44
36	92	480	24:00	3	0.952	A BB	139326.	50.000	UG/L	2.44
37	112	507	25:21	3	1.006	A BB	169888.	50.000	UG/L	2.44
38	106	549	27:27	3	1.089	A BB	84929.	50.000	UG/L	2.44
39	104	611	30:33	3	1.212	A BB	154114.	50.000	UG/L	2.44
40	106	615	30:45	3	1.220	A BV	93113.	50.000	UG/L	2.44
41	106	628	31:24	3	1.246	A VB	91636.	50.000	UG/L	2.44

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	*Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	23:48	1.00	0.944	1.00	50.00	50.00	1.034	1.034	1.00
5	29:33	1.00	1.173	1.00	50.00	50.00	0.586	0.586	1.00
6	10:57	1.00	1.335	1.00	50.00	50.00	1.979	1.979	1.00
7	1:36	1.00	0.195	1.00	50.00	50.00	2.422	2.422	1.00
8	2:24	1.00	0.293	1.00	50.00	50.00	1.489	1.489	1.00
9	3:00	1.00	0.366	1.00	50.00	50.00	2.065	2.065	1.00
10	3:42	1.00	0.451	1.00	50.00	50.00	1.271	1.271	1.00
11	5:21	1.00	0.652	1.00	50.00	50.00	2.114	2.114	1.00
12	5:48	1.00	0.707	1.00	50.00	50.00	0.167	0.167	1.00
13	6:42	1.00	0.817	1.00	50.00	50.00	3.994	3.994	1.00

02227

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
14	7:42	1.00	0.939	1.00	50.00	50.00	1.362	1.362	1.00
15	9:00	1.00	1.098	1.00	50.00	50.00	3.439	3.439	1.00
16	9:42	1.00	1.183	1.00	50.00	50.00	1.487	1.487	1.00
17	10:18	1.00	1.256	1.00	50.00	50.00	2.886	2.886	1.00
18	11:03	1.00	1.348	1.00	50.00	50.00	2.125	2.125	1.00
19	10:57	1.00	0.563	1.00	50.00	50.00	0.032	0.032	1.00
20	12:27	1.00	0.640	1.00	50.00	50.00	0.322	0.322	1.00
21	12:51	1.00	0.661	1.00	50.00	50.00	0.299	0.299	1.00
22	13:00	1.00	0.668	1.00	50.00	50.00	1.174	1.174	1.00
23	13:24	1.00	0.689	1.00	50.00	50.00	0.464	0.464	1.00
24	14:57	1.00	0.769	1.00	50.00	50.00	0.453	0.453	1.00
25	15:12	1.00	0.781	1.00	70.00	70.00	0.520	0.520	1.00
26	15:51	1.00	0.815	1.00	50.00	50.00	0.324	0.324	1.00
27	16:33	1.00	0.851	1.00	50.00	50.00	0.370	0.370	1.00
28	16:39	1.00	0.856	1.00	50.00	50.00	0.259	0.259	1.00
29	16:27	1.00	0.846	1.00	50.00	50.00	0.961	0.961	1.00
30	16:42	1.00	0.859	1.00	29.00	29.00	0.441	0.441	1.00
31	19:39	1.00	1.010	1.00	50.00	50.00	0.312	0.312	1.00
32	20:15	1.00	0.804	1.00	50.00	50.00	0.139	0.139	1.00
33	22:03	1.00	0.875	1.00	50.00	50.00	0.134	0.134	1.00
34	22:27	1.00	0.891	1.00	50.00	50.00	0.350	0.350	1.00
35	22:24	1.00	0.889	1.00	50.00	50.00	0.543	0.543	1.00
36	24:00	1.00	0.952	1.00	50.00	50.00	0.636	0.636	1.00
37	25:21	1.00	1.006	1.00	50.00	50.00	0.775	0.775	1.00
38	27:27	1.00	1.089	1.00	50.00	50.00	0.388	0.388	1.00
39	30:33	1.00	1.212	1.00	50.00	50.00	0.703	0.703	1.00
40	30:45	1.00	1.220	1.00	50.00	50.00	0.425	0.425	1.00
41	31:24	1.00	1.246	1.00	50.00	50.00	0.418	0.418	1.00

RMAL QUANTITATION SUMMARY FILE: STDW893A
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

02229

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/L AMOUNT
1	V1#	1	CI01 BROMOCHLOROMETHANE	128	164	1	36639.	1.000	50.000
2	V2#	1	CI10 1,4-DIFLUOROBENZENE	114	389	2	220941.	1.000	50.000
3	V3#	1	CI20 CHLOROBENZENE-D5	117	504	3	219156.	1.000	50.000
4	V3#	2	CS05 TOLUENE-D8	98	476	3	226631.	1.034	50.000
5	V3#	3	CS10 BROMOFLUOROBENZENE	95	591	3	128415.	0.586	50.000
6	V1#	2	CS15 1,2-DICHLOROETHANE-	65	219	1	72496.	1.979	50.000
7	V1#	10	C010 CHLOROMETHANE	50	32	1	88757.	2.422	50.000
8	V1#	15	C015 BROMOMETHANE	94	48	1	54569.	1.489	50.000
9	V1#	25	C020 VINYL CHLORIDE	62	60	1	75671.	2.065	50.000
10	V1#	35	C025 CHLOROETHANE	64	74	1	46582.	1.271	50.000
11	V1#	45	C030 METHYLENE CHLORIDE	84	107	1	77454.	2.114	50.000
12	V1#	50	C035 ACETONE	58	116	1	6120.	0.167	50.000
13	V1#	65	C040 CARBON DISULFIDE	76	134	1	146334.	3.994	50.000
14	V1#	80	C045 1,1-DICHLOROETHENE	96	154	1	49892.	1.362	50.000
15	V1#	90	C050 1,1-DICHLOROETHANE	63	180	1	126007.	3.439	50.000
16	V1#	95	TRANS-1,2-DICHLOROETHENE	96	194	1	54490.	1.487	50.000
17	V1#	100	C060 CHLOROFORM	83	206	1	105725	2.886	50.000
18	V1#	110	C065 1,2-DICHLOROETHANE	62	221	1	77840.	2.125	50.000
19	V2#	10	C110 2-BUTANONE	72	219	2	6985.	0.032	50.000
20	V2#	15	C115 1,1,1-TRICHLOROETHA	97	249	2	71078.	0.322	50.000
21	V2#	20	C120 CARBONTETRACHLORIDE	117	257	2	66154.	0.299	50.000
22	V2#	25	C125 VINYL ACETATE	43	260	2	259492.	1.174	50.000
23	V2#	30	C130 BROMODICHLOROMETHAN	83	268	2	102540.	0.464	50.000
24	V2#	35	C140 1,2-DICHLOROPROPANE	63	299	2	100054.	0.453	50.000
25	V2#	40	C143 CIS-1,3-DICHLOROPRO	75	304	2	160993.	0.520	70.000
26	V2#	45	C150 TRICHLOROETHENE	130	317	2	71595.	0.324	50.000
27	V2#	50	C155 DIBROMOCHLOROMETHAN	129	331	2	81691.	0.370	50.000
28	V2#	55	C160 1,1,2-TRICHLOROETHA	97	333	2	57189.	0.259	50.000
29	V2#	60	C165 BENZENE	78	329	2	212415.	0.961	50.000
30	V2#	65	C172 TRANS-1,3-DICHLOROP	75	334	2	56536.	0.441	29.000
31	V2#	80	C180 BROMOFORM	173	393	2	69040.	0.312	50.000
32	V3#	10	C205 4-METHYL-2-PENTANON	58	405	3	30431.	0.139	50.000
33	V3#	15	C210 2-HEXANONE	58	441	3	29434.	0.134	50.000
34	V3#	20	C220 TETRACHLOROETHENE	164	449	3	76672.	0.350	50.000
35	V3#	25	C225 1,1,2,2-TETRACHLORO	83	448	3	118959.	0.543	50.000
36	V3#	35	C230 TOLUENE	92	480	3	139326.	0.636	50.000
37	V3#	40	C235 CHLOROBENZENE	112	507	3	169888.	0.775	50.000
38	V3#	50	C240 ETHYLBENZENE	106	549	3	84929.	0.388	50.000
39	V3#	55	C245 STYRENE	104	611	3	154114.	0.703	50.000
40	V3#	60	M-XYLENE	106	615	3	93113.	0.425	50.000
41	V3#	75	O+P XYLENES	106	628	3	91636.	0.418	50.000

4/28/88 18:08:52 SCAN 1 OF 730
Acquisition started

02230

Acquire Run 3: STDW902 Acquiring
04/28/88 18:08:00 + 0:06 Free sectors: 23677 Scan: 2 of 730
Sample: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-4
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight: 0.025
Submitted by: RMAL Analyst: DC Acct. No:

*** GC descriptor: V3 ***

GC temperature: 62 DegC Injector: 50 DegC
Elapsed time : 0: 3 min Interface: 220 DegC

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	Time (minutes) total
1	60- 60	-	2.0	2.0
2	60-250	7.0	27.1	29.1
3	250-250	-	10.0	39 1
4	250-250	-	0.0	39.1

Valve times (minutes)

	Open	Close
Sweep/Split	36.1	0.0
Divert	36.1	0.8

*** Scan Parameters ***

Low mass: 40 u
High mass: 260 u

Scan time (s)
Up: 2.95 L*
Down: 0.00 L

Hold time (s)
Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 67 Samp int (ms): 0.200 Peak width: 1000.
Frag S/P: 10 Actual: 10 Samp int (ms): 1.400 Inten/ion: 2

Min peak width: 3 Min frag width %: 81 Min area: 20
ADC threshold: 1 Baseline: 0

MODE: EI (+) Centroid + Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	812	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(ms)	4	

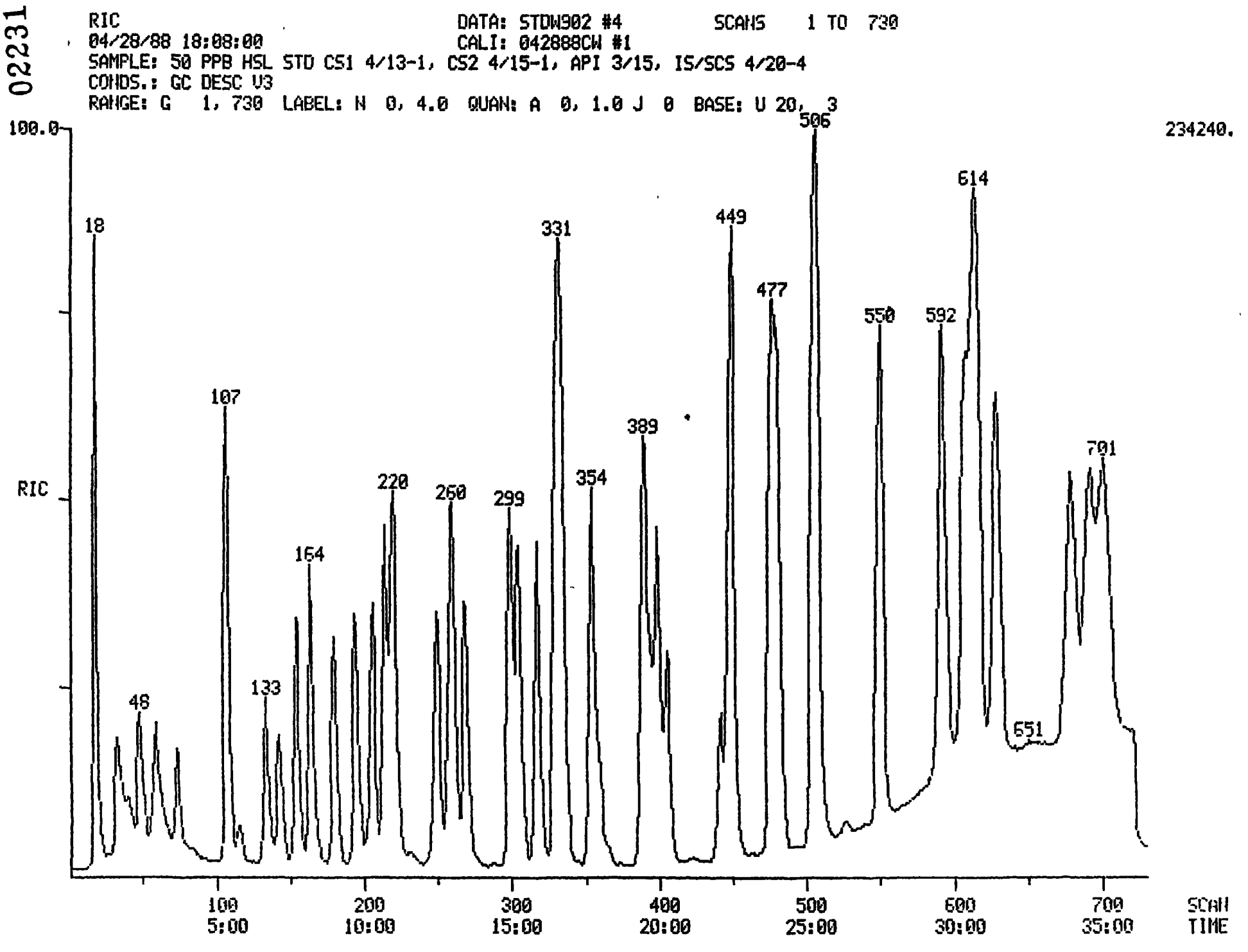
Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	126.00	128.00
Resolution (low)	125.00	128.00
Ion energy	1.88	-4.00
Ion programming	5.41	-4.00
Lens voltage	-80.00	50.20
Extractor voltage	0.94	not used

Electron multiplier voltage: -2106.
Electrometer Range: 10 ^-7
Electrometer zero: -4.4

4/28/88 18:45:25
Acquisition completed
Scans 1 to 730 centroid

Mode	Scans	Secs	out of	%	Peaks per scan	per second
Centroid	730	72.5	2190.0	3.3	31157.	43. 14.


02231
RIC
04/28/88 18:08:00
DATA: STDW902 #4
SCANS 1 TO 730
CALI: 042888CW #1
SAMPLE: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-4
CONDS.: GC DESC V3
RANGE: G 1, 730 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
234240.
RIC
18
46
107
133
164
220
260
299
331
354
389
449
477
506
550
592
614
651
701
100
5:00
200
10:00
300
15:00
400
20:00
500
25:00
600
30:00
700
35:00
SCAN
TIME

PROCEDURE: TCA DIAGNOSTIC REPORT 4/28/88 18:46:42
DATA FILE: STDW902
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

02232

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	9	9	4	83	ISO1/TCO1
3	3	3	0	18	18	4	45	ISO2/TCO2
3	3	1	0	12	12	1	53	ISO3/TCO3
1	1	1	0	7	7	2	81	ISO4/TCO4

41 COMPOUNDS PROCESSED, 41 FOUND

COMPOUND NO	COMPOUND LIB	COMPOUND ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/Z	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	V1	1	-163	164	164	.	1	958	.	128	164	.	1
2	V1	10	-32	32	33	1	1	988	.	50	33	.	1
3	V1	15	-48	48	48	.	1	998	.	94	48	.	1
4	V1	25	-60	60	59	-1	1	993	.	62	59	.	1
5	V1	35	-74	74	73	-1	1	978	.	64	73	.	1
6	V1	45	-107	107	107	.	1	990	.	84	107	.	1
7	V1	50	-116	116	116	.	4	1000	.	58	116	.	1
8	V1	65	-134	134	133	-1	1	988	.	76	133	.	1
9	V1	80	-154	154	154	.	1	990	.	96	154	.	1
10	V2	1	-388	389	389	.	1	997	.	114	389	.	1
11	V3	1	-503	504	504	.	3	998	.	117	504	.	1
12	V1	90	-180	180	180	.	1	989	.	63	180	.	1
13	V1	95	-194	194	194	.	1	989	.	96	194	.	1
14	V1	100	-206	206	206	.	1	998	.	83	206	.	1
15	V1	2	-219	219	219	.	1	989	.	65	219	.	1
16	V2	10	-219	219	219	.	2	994	.	72	219	.	1
17	V1	110	-221	221	221	.	1	999	.	62	221	.	1
18	V2	15	-249	249	249	.	1	994	.	97	249	.	1
19	V2	20	-257	257	258	1	2	995	.	117	258	.	1
20	V2	25	-260	260	260	.	1	992	.	43	260	.	1
21	V2	30	-268	268	268	.	1	980	.	83	268	.	1
22	V2	35	-299	299	299	.	1	1000	.	63	299	.	1
23	V2	40	-304	304	305	1	1	993	.	75	305	.	1
24	V2	45	-317	317	317	.	1	986	.	130	317	.	1
25	V2	60	-329	329	330	1	1	988	.	78	330	.	1
26	V2	50	-331	331	331	.	1	972	.	129	331	.	1
27	V2	55	-333	334	334	.	1	985	.	97	334	.	1
28	V2	65	-334	335	334	-1	1	960	.	75	334	.	1
29	V2	80	-393	394	394	.	1	990	.	173	394	.	1
30	V3	10	-405	406	405	-1	1	995	.	58	405	.	1
31	V3	15	-441	442	442	.	1	998	.	58	442	.	1
32	V3	25	-448	449	448	-1	1	911	.	83	448	.	1
33	V3	20	-449	450	449	-1	1	989	.	164	449	.	1
34	V3	2	-476	476	476	.	1	992	.	98	476	.	1
35	V3	35	-480	480	481	1	1	989	.	92	480	-1	1
36	V3	40	-507	508	507	-1	1	987	.	112	507	.	1
37	V3	50	-549	550	550	.	1	994	.	106	550	.	1
38	V3	3	-591	592	591	-1	1	987	.	95	591	.	1
39	V3	55	-611	612	613	1	1	992	.	104	612	-1	1
40	V3	60	-615	616	615	-1	1	972	.	106	616	1	1
41	V3	75	-628	629	629	.	2	995	.	106	629	.	1

Quantitation Report File: STDW902

02233

Data: STDW902.TI
04/28/88 18:08:00
Sample: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-4
Conds . GC DESC V3
Formula: Instrument: 5100 Weight: 0.025
Submitted by: RMAL Analyst: DC Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CO10	CHLOROMETHANE	50	V1#	10SP	74-87-3
3	CO15	BROMOMETHANE	94	V1#	15	74-83-9
4	CO20	VINYL CHLORIDE	62	V1#	25	75-01-4
5	CO25	CHLOROETHANE	64	V1#	35	75-00-3
6	CO30	METHYLENE CHLORIDE	84	V1#	45	75-09-2
7	CO35	ACETONE	58	V1#	50	67-64-1
8	CO40	CARBON DISULFIDE	76	V1#	65	75-15-0
9	CO45	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
10	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
11	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
12	CO50	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
13	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
14	CO60	CHLOROFORM	83	V1#	100CC	67-66-3
15	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
16	C110	2-BUTANONE	72	V2#	10	78-93-3
17	CO65	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
18	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
19	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
20	C125	VINYL ACETATE	43	V2#	25	108-05-4
21	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
22	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
23	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
24	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
25	C165	BENZENE	78	V2#	60	71-43-2
26	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
27	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
28	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
29	C180	BROMOFORM	173	V2#	80	75-25-2
30	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
31	C210	2-HEXANONE	58	V3#	15	591-78-6
32	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
33	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
34	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
35	C230	TOLUENE	92	V3#	35	108-88-3
36	C235	CHLOROBENZENE	112	V3#	40	108-90-7
37	C240	ETHYLBENZENE	106	V3#	50	100-41-4
38	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
39	C245	STYRENE	104	V3#	55	100-42-5
40	M-XYLENE		106	V3#	60	108-38-3
41	O+P XYLENES		106	V3#	75	

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
14	10:18	1.00	1.256	1.00	52.21	50.00	3.013	2.886	1.04
15	10:57	1.00	1.335	1.00	51.49	50.00	2.038	1.979	1.03
16	10:57	1.00	0.563	1.00	57.69	50.00	0.036	0.032	1.15
17	11:03	1.00	1.348	1.00	52.10	50.00	2.214	2.125	1.04
18	12:27	1.00	0.640	1.00	52.72	50.00	0.339	0.322	1.05
19	12:51	1.00	0.661	1.00	51.46	50.00	0.308	0.299	1.03
20	13:00	1.00	0.668	1.00	54.93	50.00	1.290	1.174	1.10
21	13:24	1.00	0.689	1.00	52.93	50.00	0.491	0.464	1.06
22	14:57	1.00	0.769	1.00	53.86	50.00	0.488	0.453	1.08
23	15:12	1.00	0.781	1.00	76.25	70.00	0.567	0.520	1.09
24	15:51	1.00	0.815	1.00	50.93	50.00	0.330	0.324	1.02
25	16:27	1.00	0.846	1.00	53.54	50.00	1.029	0.961	1.07
26	16:33	1.00	0.851	1.00	52.14	50.00	0.386	0.370	1.04
27	16:39	1.00	0.856	1.00	56.53	50.00	0.293	0.259	1.13
28	16:42	1.00	0.859	1.00	31.40	29.00	0.478	0.441	1.08
29	19:39	1.00	1.010	1.00	49.80	50.00	0.311	0.312	1.00
30	20:15	1.00	0.804	1.00	56.86	50.00	0.158	0.139	1.14
31	22:03	1.00	0.875	1.00	62.07	50.00	0.167	0.134	1.24
32	22:24	1.00	0.889	1.00	55.57	50.00	0.603	0.543	1.11
33	22:27	1.00	0.891	1.00	51.68	50.00	0.362	0.350	1.03
34	23:48	1.00	0.944	1.00	52.05	50.00	1.076	1.034	1.04
35	24:00	1.00	0.952	1.00	54.60	50.00	0.694	0.636	1.09
36	25:21	1.00	1.006	1.00	52.71	50.00	0.817	0.775	1.05
37	27:27	1.00	1.089	1.00	55.18	50.00	0.428	0.388	1.10
38	29:33	1.00	1.173	1.00	52.68	50.00	0.617	0.586	1.05
39	30:33	1.00	1.212	1.00	57.39	50.00	0.807	0.703	1.15
40	30:45	1.00	1.220	1.00	55.01	50.00	0.467	0.425	1.10
41	31:24	1.00	1.246	1.00	54.74	50.00	0.458	0.418	1.09

02234

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	164	8:12	1	1.000	A BB	40723.	50.000	UG/L	2.28
2	50	33	1:39	1	0.201	A BB	99457.	50.408	UG/L	2.30
3	94	48	2:24	1	0.293	A BB	62531.	51.549	UG/L	2.36
4	62	59	2:57	1	0.360	A BV	87556.	52.050	UG/L	2.38
5	64	73	3:39	1	0.445	A VB	58196.	56.202	UG/L	2.57
6	84	107	5:21	1	0.652	A BB	92413.	53.673	UG/L	2.45
7	58	116	5:48	1	0.707	A BB	7231.	53.147	UG/L	2.43
8	76	133	6:39	1	0.811	A BB	172678.	53.084	UG/L	2.43
9	96	154	7:42	1	0.939	A BB	57849.	52.159	UG/L	2.38
10	114	389	19:27	10	1.000	A BB	245285.	50.000	UG/L	2.28
11	117	504	25:12	11	1.000	A BB	233179.	50.000	UG/L	2.28
12	63	180	9:00	1	1.098	A BB	148342.	52.959	UG/L	2.42
13	96	194	9:42	1	1.183	A BB	63664.	52.559	UG/L	2.40
14	83	206	10:18	1	1.256	A BB	122712.	52.213	UG/L	2.39
15	65	219	10:57	1	1.335	A BB	82983.	51.493	UG/L	2.35
16	72	219	10:57	10	0.563	A BB	8947.	57.688	UG/L	2.64
17	62	221	11:03	1	1.348	A BB	90159.	52.105	UG/L	2.38
18	97	249	12:27	10	0.640	A BB	83203.	52.720	UG/L	2.41
19	117	258	12:54	10	0.663	A VB	75589.	51.461	UG/L	2.35
20	43	260	13:00	10	0.668	A VB	316486.	54.930	UG/L	2.51
21	83	268	13:24	10	0.689	A BB	120498.	52.925	UG/L	2.42
22	63	299	14:57	10	0.769	A BB	119657.	53.862	UG/L	2.46
23	75	305	15:15	10	0.784	A BB	194683.	76.247	UG/L	3.48
24	130	317	15:51	10	0.815	A BV	80969.	50.934	UG/L	2.33
25	78	330	16:30	10	0.848	A BB	252518.	53.540	UG/L	2.45
26	129	331	16:33	10	0.851	A BB	94576.	52.141	UG/L	2.38
27	97	334	16:42	10	0.859	A BB	71784.	56.531	UG/L	2.58
28	75	334	16:42	10	0.859	A BB	67965.	31.402	UG/L	1.43
29	173	394	19:42	10	1.013	A BB	76348.	49.805	UG/L	2.28
30	58	405	20:15	11	0.804	A BB	36824.	56.865	UG/L	2.60
31	58	442	22:06	11	0.877	A BB	38881.	62.075	UG/L	2.84
32	83	448	22:24	11	0.889	A BB	140681.	55.574	UG/L	2.54
33	164	449	22:27	11	0.891	A BB	84323.	51.683	UG/L	2.36
34	98	476	23:48	11	0.944	A BB	251015.	52.049	UG/L	2.38
35	92	480	24:00	11	0.952	A BB	161878.	54.600	UG/L	2.50
36	112	507	25:21	11	1.006	A BB	190550.	52.708	UG/L	2.41
37	106	550	27:30	11	1.091	A BB	99732.	55.184	UG/L	2.52
38	95	591	29:33	11	1.173	A BB	143968.	52.685	UG/L	2.41
39	104	612	30:36	11	1.214	A BV	188218.	57.392	UG/L	2.62
40	106	616	30:48	11	1.222	A BV	108994.	55.008	UG/L	2.51
41	106	629	31:27	11	1.248	A VB	106739.	54.738	UG/L	2.50

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	±Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:36	1.03	0.195	1.03	50.41	50.00	2.442	2.422	1.01
3	2:24	1.00	0.293	1.00	51.55	50.00	1.536	1.489	1.03
4	3:00	0.98	0.366	0.98	52.05	50.00	2.150	2.065	1.04
5	3:42	0.99	0.451	0.99	56.20	50.00	1.429	1.271	1.12
6	5:21	1.00	0.652	1.00	53.67	50.00	2.269	2.114	1.07
7	5:48	1.00	0.707	1.00	53.15	50.00	0.178	0.167	1.06
8	6:42	0.99	0.817	0.99	53.08	50.00	4.240	3.994	1.06
9	7:42	1.00	0.939	1.00	52.16	50.00	1.421	1.362	1.04
10	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
11	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
12	9:00	1.00	1.098	1.00	52.96	50.00	3.643	3.439	1.06
13	9:42	1.00	1.183	1.00	52.56	50.00	1.563	1.487	1.05

02235

.TCA FINISHED, 41 FOUND
FINISHED AT: 4/28/88 18:51:07

02236

RMAL QUANTITATION SUMMARY FILE: STDW902
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/L

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1# 1	CI01 BROMOCHLOROMETHANE	128	164	1	40723.	1.000	50.000
2	V2# 1	CI10 1,4-DIFLUOROBENZENE	114	389	2	245285.	1.000	50.000
3	V3# 1	CI20 CHLOROBENZENE-D5	117	504	3	233179.	1.000	50.000
4	V3# 2	CS05 TOLUENE-D8	98	476	3	251015.	1.076	52.049
5	V3# 3	CS10 BROMOFLUOROBENZENE	95	591	3	143968.	0.617	52.685
6	V1# 2	CS15 1,2-DICHLOROETHANE-	65	219	1	82983.	2.038	51.493
7	V1# 10	C010 CHLOROMETHANE	50	33	1	99457.	2.442	50.408
8	V1# 15	C015 BROMOMETHANE	94	48	1	62531.	1.536	51.549
9	V1# 25	C020 VINYL CHLORIDE	62	59	1	87556	2.150	52.030
10	V1# 35	C025 CHLOROETHANE	64	73	1	58196.	1.429	56.202
11	V1# 45	C030 METHYLENE CHLORIDE	84	107	1	92413.	2.269	53.673
12	V1# 50	C035 ACETONE	58	116	1	7231.	0.178	53.147
13	V1# 65	C040 CARBON DISULFIDE	76	133	1	172678.	4.240	53.084
14	V1# 80	C045 1,1-DICHLOROETHENE	96	154	1	57849.	1.421	52.159
15	V1# 90	C050 1,1-DICHLOROETHANE	63	180	1	148342.	3.643	52.959
16	V1# 95	TRANS-1,2-DICHLOROETHENE	96	194	1	63664.	1.563	52.559
17	V1#100	C060 CHLOROFORM	83	206	1	122712.	3.013	52.213
18	V1#110	C065 1,2-DICHLOROETHANE	62	221	1	90159.	2.214	52.105
19	V2# 10	C110 2-BUTANONE	72	219	2	8947.	0.036	57.688
20	V2# 15	C115 1,1,1-TRICHLOROETHA	97	249	2	83203.	0.339	52.720
21	V2# 20	C120 CARBONTETRACHLORIDE	117	258	2	75589.	0.308	51.461
22	V2# 25	C125 VINYL ACETATE	43	260	2	316486.	1.290	54.930
23	V2# 30	C130 BROMODICHLOROMETHAN	83	268	2	120498.	0.491	52.925
24	V2# 35	C140 1,2-DICHLOROPROPANE	63	299	2	119657.	0.488	53.862
25	V2# 40	C143 CIS-1,3-DICHLOROPRO	75	305	2	194683.	0.567	76.247
26	V2# 45	C150 TRICHLOROETHENE	130	317	2	80969.	0.330	50.934
27	V2# 50	C155 DIBROMOCHLOROMETHAN	129	331	2	94576.	0.386	52.141
28	V2# 55	C160 1,1,2-TRICHLOROETHA	97	334	2	71784.	0.293	56.531
29	V2# 60	C165 BENZENE	78	330	2	252518.	1.029	53.540
30	V2# 65	C172 TRANS-1,3-DICHLOROP	75	334	2	67965.	0.478	31.402
31	V2# 80	C180 BROMOFORM	173	394	2	76348.	0.311	49.805
32	V3# 10	C205 4-METHYL-2-PENTANON	58	405	3	36824.	0.158	56.865
33	V3# 15	C210 2-HEXANONE	58	442	3	38881.	0.167	62.075
34	V3# 20	C220 TETRACHLOROETHENE	164	449	3	84323.	0.362	51.683
35	V3# 25	C225 1,1,2,2-TETRACHLORO	83	448	3	140681.	0.603	55.574
36	V3# 35	C230 TOLUENE	92	480	3	161878.	0.694	54.600
37	V3# 40	C235 CHLOROBENZENE	112	507	3	190550.	0.817	52.708
38	V3# 50	C240 ETHYLBENZENE	106	550	3	99732.	0.428	55.184
39	V3# 55	C245 STYRENE	104	612	3	188218.	0.807	57.392
40	V3# 60	M-XYLENE	106	616	3	108994.	0.467	55.008
41	V3# 75	O+P XYLENES	106	629	3	106739.	0.458	54.738

Quantitation Report File: STDW902

02237

Data: STDW902.TI
04/29/88 18:08:00
Sample: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-4
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight: 0.025
Submitted by: RMAL Analyst: DC Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
3	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
4	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
5	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
6	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
7	C010	CHLOROMETHANE	50	V1#	10SP	74-87-3
8	C015	BROMOMETHANE	94	V1#	15	74-83-9
9	C020	VINYL CHLORIDE	62	V1#	25	75-01-4
10	C025	CHLOROETHANE	64	V1#	35	75-00-3
11	C030	METHYLENE CHLORIDE	84	V1#	45	75-09-2
12	C035	ACETONE	58	V1#	50	67-64-1
13	C040	CARBON DISULFIDE	76	V1#	65	75-15-0
14	C045	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
15	C050	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
16	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
17	C060	CHLOROFORM	83	V1#	100CC	67-66-3
18	C065	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
19	C110	2-BUTANONE	72	V2#	10	78-93-3
20	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
21	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
22	C125	VINYL ACETATE	43	V2#	25	108-05-4
23	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
24	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
25	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
26	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
27	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
28	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C165	BENZENE	78	V2#	60	71-43-2
30	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
31	C180	BROMOFORM	173	V2#	80	75-25-2
32	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
33	C210	2-HEXANONE	58	V3#	15	591-78-6
34	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
35	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
36	C230	TOLUENE	92	V3#	35	108-88-3
37	C235	CHLOROBENZENE	112	V3#	40	108-90-7
38	C240	ETHYLBENZENE	106	V3#	50	100-41-4
39	C245	STYRENE	104	V3#	55	100-42-5
40	M-XYLENE		106	V3#	60	108-38-3
41	O+P XYLENES		106	V3#	75	

02238

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	164	8:12	1	1.000	A BB	40723.	50.000	UG/L	2.44
2	114	389	19:27	2	1.000	A BB	245285.	50.000	UG/L	2.44
3	117	504	25:12	3	1.000	A BB	233179.	50.000	UG/L	2.44
4	98	476	23:48	3	0.944	A BB	251015.	50.000	UG/L	2.44
5	95	591	29:33	3	1.173	A BB	143968.	50.000	UG/L	2.44
6	65	219	10:57	1	1.335	A BB	82983.	50.000	UG/L	2.44
7	50	33	1:39	1	0.201	A BB	99457.	50.000	UG/L	2.44
8	94	48	2:24	1	0.293	A BB	62531.	50.000	UG/L	2.44
9	62	59	2:57	1	0.360	A BV	87556.	50.000	UG/L	2.44
10	64	73	3:39	1	0.445	A VB	58196.	50.000	UG/L	2.44
11	84	107	5:21	1	0.652	A BB	92413.	50.000	UG/L	2.44
12	58	116	5:48	1	0.707	A BB	7231.	50.000	UG/L	2.44
13	76	133	6:39	1	0.811	A BB	172678.	50.000	UG/L	2.44
14	96	154	7:42	1	0.939	A BB	57849.	50.000	UG/L	2.44
15	63	180	9:00	1	1.098	A BB	148342.	50.000	UG/L	2.44
16	96	194	9:42	1	1.183	A BB	63664.	50.000	UG/L	2.44
17	83	206	10:18	1	1.256	A BB	122712.	50.000	UG/L	2.44
18	62	221	11:03	1	1.348	A BB	90159.	50.000	UG/L	2.44
19	72	219	10:57	2	0.563	A BB	8947.	50.000	UG/L	2.44
20	97	249	12:27	2	0.640	A BB	83203.	50.000	UG/L	2.44
21	117	258	12:54	2	0.663	A VB	75589.	50.000	UG/L	2.44
22	43	260	13:00	2	0.668	A VB	316486.	50.000	UG/L	2.44
23	83	268	13:24	2	0.689	A BB	120498.	50.000	UG/L	2.44
24	63	299	14:57	2	0.769	A BB	119657.	50.000	UG/L	2.44
25	75	305	15:15	2	0.784	A BB	194683.	70.000	UG/L	3.42
26	130	317	15:51	2	0.815	A BV	80969.	50.000	UG/L	2.44
27	129	331	16:33	2	0.851	A BB	94576.	50.000	UG/L	2.44
28	97	334	16:42	2	0.859	A BB	71784.	50.000	UG/L	2.44
29	78	330	16:30	2	0.848	A BB	252518.	50.000	UG/L	2.44
30	75	334	16:42	2	0.859	A BB	67965.	29.000	UG/L	1.42
31	173	394	19:42	2	1.013	A BB	76348.	50.000	UG/L	2.44
32	58	405	20:15	3	0.804	A BB	36824.	50.000	UG/L	2.44
33	58	442	22:06	3	0.877	A BB	38881.	50.000	UG/L	2.44
34	164	449	22:27	3	0.891	A BB	84323.	50.000	UG/L	2.44
35	83	448	22:24	3	0.889	A BB	140681.	50.000	UG/L	2.44
36	92	480	24:00	3	0.952	A BB	161878.	50.000	UG/L	2.44
37	112	507	25:21	3	1.006	A BB	190550.	50.000	UG/L	2.44
38	106	550	27:30	3	1.091	A BB	99732.	50.000	UG/L	2.44
39	104	612	30:36	3	1.214	A BV	188218.	50.000	UG/L	2.44
40	106	616	30:48	3	1.222	A BV	108994.	50.000	UG/L	2.44
41	106	629	31:27	3	1.248	A VB	106739.	50.000	UG/L	2.44

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	23:48	1.00	0.944	1.00	50.00	50.00	1.076	1.076	1.00
5	29:33	1.00	1.173	1.00	50.00	50.00	0.617	0.617	1.00
6	10:57	1.00	1.335	1.00	50.00	50.00	2.038	2.038	1.00
7	1:39	1.00	0.201	1.00	50.00	50.00	2.442	2.442	1.00
8	2:24	1.00	0.293	1.00	50.00	50.00	1.536	1.536	1.00
9	2:57	1.00	0.360	1.00	50.00	50.00	2.150	2.150	1.00
10	3:39	1.00	0.445	1.00	50.00	50.00	1.429	1.429	1.00
11	5:21	1.00	0.652	1.00	50.00	50.00	2.269	2.269	1.00
12	5:48	1.00	0.707	1.00	50.00	50.00	0.178	0.178	1.00
13	6:39	1.00	0.811	1.00	50.00	50.00	4.240	4.240	1.00

No	Rat(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
14	7:42	1.00	0.939	1.00	50.00	50.00	1.421	1.421	1.00
15	9:00	1.00	1.098	1.00	50.00	50.00	3.643	3.643	1.00
16	9:42	1.00	1.183	1.00	50.00	50.00	1.563	1.563	1.00
17	10:18	1.00	1.256	1.00	50.00	50.00	3.013	3.013	1.00
18	11:03	1.00	1.348	1.00	50.00	50.00	2.214	2.214	1.00
19	10:57	1.00	0.563	1.00	50.00	50.00	0.036	0.036	1.00
20	12:27	1.00	0.640	1.00	50.00	50.00	0.339	0.339	1.00
21	12:54	1.00	0.663	1.00	50.00	50.00	0.308	0.308	1.00
22	13:00	1.00	0.668	1.00	50.00	50.00	1.290	1.290	1.00
23	13:24	1.00	0.689	1.00	50.00	50.00	0.491	0.491	1.00
24	14:57	1.00	0.769	1.00	50.00	50.00	0.488	0.488	1.00
25	15:15	1.00	0.784	1.00	70.00	70.00	0.567	0.567	1.00
26	15:51	1.00	0.815	1.00	50.00	50.00	0.330	0.330	1.00
27	16:33	1.00	0.851	1.00	50.00	50.00	0.386	0.386	1.00
28	16:42	1.00	0.859	1.00	50.00	50.00	0.293	0.293	1.00
29	16:30	1.00	0.848	1.00	50.00	50.00	1.029	1.029	1.00
30	16:42	1.00	0.859	1.00	29.00	29.00	0.478	0.478	1.00
31	19:42	1.00	1.013	1.00	50.00	50.00	0.311	0.311	1.00
32	20:15	1.00	0.804	1.00	50.00	50.00	0.158	0.158	1.00
33	22:06	1.00	0.877	1.00	50.00	50.00	0.167	0.167	1.00
34	22:27	1.00	0.891	1.00	50.00	50.00	0.362	0.362	1.00
35	22:24	1.00	0.889	1.00	50.00	50.00	0.603	0.603	1.00
36	24:00	1.00	0.952	1.00	50.00	50.00	0.694	0.694	1.00
37	25:21	1.00	1.006	1.00	50.00	50.00	0.817	0.817	1.00
38	27:30	1.00	1.091	1.00	50.00	50.00	0.428	0.428	1.00
39	30:36	1.00	1.214	1.00	50.00	50.00	0.807	0.807	1.00
40	30:48	1.00	1.222	1.00	50.00	50.00	0.467	0.467	1.00
41	31:27	1.00	1.248	1.00	50.00	50.00	0.458	0.458	1.00

02239

RMAL QUANTITATION SUMMARY FILE: STDW902
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

02240

UNITS: UG/L

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	V1#	1	CI01 BROMOCHLOROMETHANE	128	164	1	40723.	1.000	50.000
2	V2#	1	CI10 1,4-DIFLUOROBENZENE	114	389	2	245285.	1.000	50.000
3	V3#	1	CI20 CHLOROBENZENE-D5	117	504	3	233179.	1.000	50.000
4	V3#	2	CS05 TOLUENE-D8	98	476	3	251015.	1.076	50.000
5	V3#	3	CS10 BROMOFLUOROBENZENE	95	591	3	143968.	0.617	50.000
6	V1#	2	CS15 1,2-DICHLOROETHANE-	65	219	1	82983.	2.038	50.000
7	V1#	10	CO10 CHLOROMETHANE	50	33	1	99457.	2.442	50.000
8	V1#	15	CO15 BROMOMETHANE	94	48	1	62531.	1.536	50.000
9	V1#	25	CO20 VINYL CHLORIDE	62	59	1	87556.	2.150	50.000
10	V1#	35	CO25 CHLOROETHANE	64	73	1	58196.	1.429	50.000
11	V1#	45	CO30 METHYLENE CHLORIDE	84	107	1	92413.	2.269	50.000
12	V1#	50	CO35 ACETONE	58	116	1	7231.	0.178	50.000
13	V1#	65	CO40 CARBON DISULFIDE	76	133	1	172678.	4.240	50.000
14	V1#	80	CO45 1,1-DICHLOROETHENE	96	154	1	57849.	1.421	50.000
15	V1#	90	CO50 1,1-DICHLOROETHANE	63	180	1	148342.	3.643	50.000
16	V1#	95	TRANS-1,2-DICHLOROETHENE	96	194	1	63664.	1.563	50.000
17	V1#	100	CO60 CHLOROFORM	83	206	1	122712.	3.013	50.000
18	V1#	110	CO65 1,2-DICHLOROETHANE	62	221	1	90159.	2.214	50.000
19	V2#	10	C110 2-BUTANONE	72	219	2	8947.	0.036	50.000
20	V2#	15	C115 1,1,1-TRICHLOROETHA	97	249	2	83203.	0.339	50.000
21	V2#	20	C120 CARBONTETRACHLORIDE	117	258	2	75589.	0.308	50.000
22	V2#	25	C125 VINYL ACETATE	43	260	2	316486.	1.290	50.000
23	V2#	30	C130 BROMODICHLOROMETHAN	83	268	2	120498.	0.491	50.000
24	V2#	35	C140 1,2-DICHLOROPROPANE	63	299	2	119657.	0.488	50.000
25	V2#	40	C143 CIS-1,3-DICHLOROPRO	75	305	2	194683.	0.567	70.000
26	V2#	45	C150 TRICHLOROETHENE	130	317	2	80969.	0.330	50.000
27	V2#	50	C155 DIBROMOCHLOROMETHAN	129	331	2	94576.	0.386	50.000
28	V2#	55	C160 1,1,2-TRICHLOROETHA	97	334	2	71784.	0.293	50.000
29	V2#	60	C165 BENZENE	78	330	2	252518.	1.029	50.000
30	V2#	65	C172 TRANS-1,3-DICHLOROP	75	334	2	67965.	0.478	29.000
31	V2#	80	C180 BROMOFORM	173	394	2	76348.	0.311	50.000
32	V3#	10	C205 4-METHYL-2-PENTANON	58	405	3	36824.	0.158	50.000
33	V3#	15	C210 2-HEXANONE	58	442	3	38881.	0.167	50.000
34	V3#	20	C220 TETRACHLOROETHENE	164	449	3	84323.	0.362	50.000
35	V3#	25	C225 1,1,2,2-TETRACHLORO	83	448	3	140681.	0.603	50.000
36	V3#	35	C230 TOLUENE	92	480	3	161878.	0.694	50.000
37	V3#	40	C235 CHLOROBENZENE	112	507	3	190550.	0.817	50.000
38	V3#	50	C240 ETHYLBENZENE	106	550	3	99732.	0.428	50.000
39	V3#	55	C245 STYRENE	104	612	3	188218.	0.807	50.000
40	V3#	60	M-XYLENE	106	616	3	108994.	0.467	50.000
41	V3#	75	O+P XYLENES	106	629	3	106739.	0.458	50.000

Processed VOACLP

02241

4/29/88 9:49:00 SCAN 1 OF 730
Acquisition started

Acquire 04/29/88 9:48:00 + 0:03 | Run 3:STDW915 Free sectors: 20783 | Acquiring Scan: 1 of 730
Sample: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-4
Conds.: GC DESC V3
Formula: | Instrument: 5100 | Weight: 0.026
Submitted by: RMAL | Analyst: DC | Acct. No:

*** GC descriptor: V3 ***

GC temperature: 60 DegC | Injector: 50 DegC
Elapsed time : 0: 7 min | Interface: 220 DegC

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	Time (minutes) total
1	60- 60	-	2.0	2.0
2	60-250	7.0	27.1	29.1
3	250-250	-	10.0	39.1
4	250-250	-	0.0	39.1

Valve times (minutes)	Open	Close
Sweep/Split	36.1	0.0
Divert	36.1	0.8

*** Scan Parameters ***

Low mass: 40 u | Scan time (s) Up: 2.95 L* Down: 0.00 L | Hold time (s) Top: 0.00 Bottom: 0.05
High mass: 260 u

Cent S/P: 10 Actual: 67 | Samp int (ms): 0.200 | Peak width: 1000.
Frag S/P: 10 Actual: 10 | Samp int (ms): 1.400 | Inten/ion: 2

Min peak width: 3 | Min frag width %: 81 | Min area: 20
ADC threshold: 1 | Baseline: 0

MODE: EI (+) Centroid + Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	812	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(ms)	4	

Current instrument parameters.

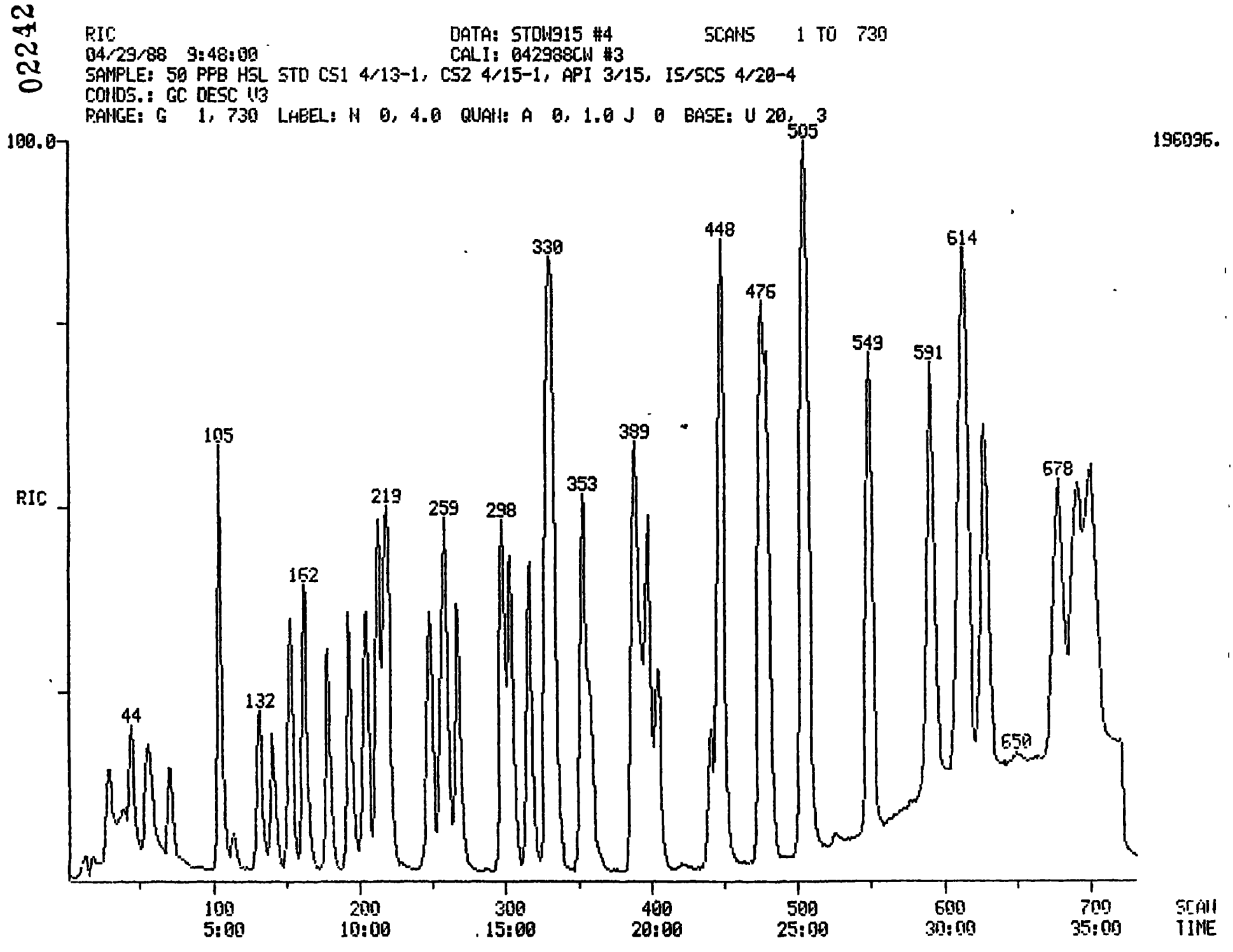
	Positive ion mode	Negative ion mode
Resolution (high)	126.00	128.00
Resolution (low)	125.00	128.00
Ion energy	1.88	-4.00
Ion programming	5.41	-4.00
Lens voltage	-80.00	50.20
Extractor voltage	0.94	not used

Electron multiplier voltage: -2106.
Electrometer Range: 10 ^-7
Electrometer zero: -4.4

4/29/88 10:25:34
Acquisition completed
Scans 1 to 730 centroid

Mode	Scans	Secs	out of	%	Peaks per scan	per second	
Centroid	730	62.7	2190.0	2.9	27388.	38.	13.

02242


RIC
04/29/88 9:48:00
DATA: STDW315 #4
CALI: 042988CW #3
SCANS 1 TO 730
SAMPLE: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-4
CONDS.: GC DESC U3
RANGE: G 1, 730 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
196096.
RIC
44
105
132
162
219
259
298
330
353
389
448
476
505
549
591
614
650
678
100
5:00
200
10:00
300
15:00
400
20:00
500
25:00
600
30:00
700
35:00
SCAN
TIME

PROCEDURE: TCA DIAGNOSTIC REPORT 4/29/88 11:30:05
DATA FILE: STDW915
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

02243

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	9	9	2	31	ISO1/TCO1
3	3	1	0	18	18	2	45	ISO2/TCO2
3	3	1	0	12	12	2	53	ISO3/TCO3
1	1	1	0	7	7	2	74	ISO4/TCO4

41 COMPOUNDS PROCESSED, 41 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/Z	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	V1	1	-161	162	162	.	1	959	.	128	162	.	1
2	V1	10	-28	28	28	.	1	987	.	50	29	.	1
3	V1	15	-44	44	44	.	1	997	.	94	44	.	1
4	V1	25	-56	56	56	.	1	993	.	62	56	.	1
5	V1	35	-70	70	70	.	1	981	.	64	70	.	1
6	V1	45	-105	105	105	.	1	991	.	84	105	.	1
7	V1	50	-114	114	114	.	2	1000	.	58	114	.	1
8	V1	65	-132	132	132	.	1	990	.	76	132	.	1
9	V1	80	-153	153	153	.	1	990	.	96	153	.	1
10	V2	1	-388	389	389	.	1	997	.	114	389	.	1
11	V3	1	-503	504	504	.	1	995	.	117	504	.	1
12	V1	90	-179	179	179	.	1	990	.	63	179	.	1
13	V1	95	-193	193	193	.	1	991	.	96	193	.	1
14	V1	100	-204	204	205	1	1	999	.	83	204	-1	1
15	V1	2	-218	218	218	.	1	986	.	65	218	.	1
16	V2	10	-218	218	218	.	1	997	.	72	218	.	1
17	V1	110	-220	220	220	.	1	999	.	62	220	.	1
18	V2	15	-248	248	248	.	1	996	.	97	248	.	1
19	V2	20	-256	256	256	.	2	996	.	117	256	.	1
20	V2	25	-259	259	259	.	1	993	.	43	259	.	1
21	V2	30	-267	267	267	.	1	979	.	83	267	.	1
22	V2	35	-298	298	298	.	1	998	.	63	298	.	1
23	V2	40	-304	304	304	.	1	992	.	75	304	.	1
24	V2	45	-316	316	317	1	1	990	.	130	316	-1	1
25	V2	60	-329	329	329	.	1	984	.	78	329	.	1
26	V2	50	-330	330	330	.	1	972	.	129	330	.	1
27	V2	65	-333	333	333	.	1	961	.	75	333	.	1
28	V2	55	-333	333	333	.	1	982	.	97	333	.	1
29	V2	80	-393	393	393	.	1	992	.	173	393	.	1
30	V3	10	-404	404	405	1	2	997	.	58	404	-1	1
31	V3	15	-441	441	441	.	1	999	.	58	441	.	1
32	V3	25	-447	447	448	1	1	861	.	83	447	-1	1
33	V3	20	-448	448	448	.	1	992	.	164	448	.	1
34	V3	2	-475	475	475	.	1	992	.	98	475	.	1
35	V3	35	-480	480	480	.	1	989	.	92	480	.	1
36	V3	40	-506	506	506	.	1	986	.	112	506	.	1
37	V3	50	-549	549	549	.	1	993	.	106	549	.	1
38	V3	3	-591	591	590	-1	1	990	.	95	591	1	1
39	V3	55	-611	611	612	1	1	990	.	104	611	-1	1
40	V3	60	-615	615	615	.	1	983	.	106	615	.	1
41	V3	75	-628	628	628	.	2	994	.	106	628	.	1

Quantitation Report File: STDW915

02244

Data: STDW915.TI
04/29/88 9:48:00
Sample: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-4
Conds : GC DESC V3
Formula: Instrument: 5100 Weight: 0.026
Submitted by: RMAL Analyst: DC Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	C010	CHLOROMETHANE	50	V1#	10SP	74-87-3
3	C015	BROMOMETHANE	94	V1#	15	74-83-9
4	C020	VINYL CHLORIDE	62	V1#	25	75-01-4
5	C025	CHLOROETHANE	64	V1#	35	75-00-3
6	C030	METHYLENE CHLORIDE	84	V1#	45	75-09-2
7	C035	ACETONE	58	V1#	50	67-64-1
8	C040	CARBON DISULFIDE	76	V1#	65	75-15-0
9	C045	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
10	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
11	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
12	C050	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
13		TRANS-1,2-DICHLOROETHENE	61	V1#	95	156-60-5
14	C060	CHLOROFORM	83	V1#	100CC	67-66-3
15	CS15	1,2-DICHLOROETHANE-D4	65	SV1#	02	17060-07-0
16	C110	2-BUTANONE	72	V2#	10	78-93-3
17	C065	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
18	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
19	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
20	C125	VINYL ACETATE	43	V2#	25	108-05-4
21	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
22	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
23	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
24	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
25	C165	BENZENE	78	V2#	60	71-43-2
26	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
27	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
28	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C180	BROMOFORM	173	V2#	80	75-25-2
30	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
31	C210	2-HEXANONE	58	V3#	15	591-78-6
32	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
33	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
34	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
35	C230	TOLUENE	92	V3#	35	108-88-3
36	C235	CHLOROBENZENE	112	V3#	40	108-90-7
37	C240	ETHYLBENZENE	106	V3#	50	100-41-4
38	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
39	C245	STYRENE	104	V3#	55	100-42-5
40		M-XYLENE	106	V3#	60	108-38-3
41		O+P XYLENES	106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	162	8:06	1	1.000	A BB	33510.	50.000	UG/L	2.44
2	50	28	1:24	1	0.173	A BB	76735.	50.000	UG/L	2.44
3	94	44	2:12	1	0.272	A BB	50198.	50.000	UG/L	2.44
4	62	56	2:48	1	0.346	A BB	70178.	50.000	UG/L	2.44
5	64	70	3:30	1	0.432	A VB	44390.	50.000	UG/L	2.44
6	84	105	5:15	1	0.648	A BB	72029.	50.000	UG/L	2.44
7	58	114	5:42	1	0.704	A BB	5798.	50.000	UG/L	2.44
8	76	132	6:36	1	0.815	A BB	139235.	50.000	UG/L	2.44
9	96	153	7:39	1	0.944	A BB	47361.	50.000	UG/L	2.44
10	114	389	19:27	10	1.000	A BB	210524.	50.000	UG/L	2.44
11	117	504	25:12	11	1.000	A BB	198319.	50.000	UG/L	2.44
12	63	179	8:57	1	1.105	A BB	123898.	50.000	UG/L	2.44
13	96	193	9:39	1	1.191	A BB	52972.	50.000	UG/L	2.44
14	83	204	10:12	1	1.259	A BB	102657	50.000	UG/L	2.44
15	65	218	10:54	1	1.346	A BB	71733.	50.000	UG/L	2.44
16	72	218	10:54	10	0.560	A BB	7188.	50.000	UG/L	2.44
17	62	220	11:00	1	1.358	A BB	77791.	50.000	UG/L	2.44
18	97	248	12:24	10	0.638	A BB	72680.	50.000	UG/L	2.44
19	117	256	12:48	10	0.658	A VB	66434	50.000	UG/L	2.44
20	43	259	12:57	10	0.666	A VB	261144.	50.000	UG/L	2.44
21	83	267	13:21	10	0.686	A BB	101467.	50.000	UG/L	2.44
22	63	298	14:54	10	0.766	A BB	97021.	50.000	UG/L	2.44
23	75	304	15:12	10	0.781	A BB	158123.	70.000	UG/L	3.42
24	130	316	15:48	10	0.812	A BV	66757	50.000	UG/L	2.44
25	78	329	16:27	10	0.846	A BB	205398.	50.000	UG/L	2.44
26	129	330	16:30	10	0.848	A BB	78926.	50.000	UG/L	2.44
27	75	333	16:39	10	0.856	A BB	56889.	29.000	UG/L	1.42
28	97	333	16:39	10	0.856	A BB	58865.	50.000	UG/L	2.44
29	173	393	19:39	10	1.010	A BB	67913.	50.000	UG/L	2.44
30	58	404	20:12	11	0.802	A BB	30097.	50.000	UG/L	2.44
31	58	441	22:03	11	0.875	A BB	31618.	50.000	UG/L	2.44
32	83	447	22:21	11	0.887	A BB	114218.	50.000	UG/L	2.44
33	164	448	22:24	11	0.889	A BB	71886.	50.000	UG/L	2.44
34	98	475	23:45	11	0.942	A BB	213478.	50.000	UG/L	2.44
35	92	480	24:00	11	0.952	A BB	132814.	50.000	UG/L	2.44
36	112	506	25:18	11	1.004	A BB	158756.	50.000	UG/L	2.44
37	106	549	27:27	11	1.089	A BB	82167.	50.000	UG/L	2.44
38	95	591	29:33	11	1.173	A BB	121863.	50.000	UG/L	2.44
39	104	611	30:33	11	1.212	A BB	151014.	50.000	UG/L	2.44
40	106	615	30:45	11	1.220	A BV	89057.	50.000	UG/L	2.44
41	106	628	31:24	11	1.246	A VB	85883.	50.000	UG/L	2.44

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:06	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	1:24	1.00	0.173	1.00	50.00	50.00	2.290	2.290	1.00
3	2:12	1.00	0.272	1.00	50.00	50.00	1.498	1.498	1.00
4	2:48	1.00	0.346	1.00	50.00	50.00	2.094	2.094	1.00
5	3:30	1.00	0.432	1.00	50.00	50.00	1.325	1.325	1.00
6	5:15	1.00	0.648	1.00	50.00	50.00	2.149	2.149	1.00
7	5:42	1.00	0.704	1.00	50.00	50.00	0.173	0.173	1.00
8	6:36	1.00	0.815	1.00	50.00	50.00	4.155	4.155	1.00
9	7:39	1.00	0.944	1.00	50.00	50.00	1.413	1.413	1.00
10	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
11	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
12	8:57	1.00	1.105	1.00	50.00	50.00	3.697	3.697	1.00
13	9:39	1.00	1.191	1.00	50.00	50.00	1.581	1.581	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
14	10:12	1.00	1.259	1.00	50.00	50.00	3.063	3.063	1.00
15	10:54	1.00	1.346	1.00	50.00	50.00	2.141	2.141	1.00
16	10:54	1.00	0.560	1.00	50.00	50.00	0.034	0.034	1.00
17	11:00	1.00	1.358	1.00	50.00	50.00	2.321	2.321	1.00
18	12:24	1.00	0.638	1.00	50.00	50.00	0.345	0.345	1.00
19	12:48	1.00	0.658	1.00	50.00	50.00	0.316	0.316	1.00
20	12:57	1.00	0.666	1.00	50.00	50.00	1.240	1.240	1.00
21	13:21	1.00	0.686	1.00	50.00	50.00	0.482	0.482	1.00
22	14:54	1.00	0.766	1.00	50.00	50.00	0.461	0.461	1.00
23	15:12	1.00	0.781	1.00	70.00	70.00	0.536	0.536	1.00
24	15:48	1.00	0.812	1.00	50.00	50.00	0.317	0.317	1.00
25	16:27	1.00	0.846	1.00	50.00	50.00	0.976	0.976	1.00
26	16:30	1.00	0.848	1.00	50.00	50.00	0.375	0.375	1.00
27	16:39	1.00	0.856	1.00	29.00	29.00	0.466	0.466	1.00
28	16:39	1.00	0.856	1.00	50.00	50.00	0.280	0.280	1.00
29	19:39	1.00	1.010	1.00	50.00	50.00	0.323	0.323	1.00
30	20:12	1.00	0.802	1.00	50.00	50.00	0.152	0.152	1.00
31	22:03	1.00	0.875	1.00	50.00	50.00	0.159	0.159	1.00
32	22:21	1.00	0.887	1.00	50.00	50.00	0.576	0.576	1.00
33	22:24	1.00	0.889	1.00	50.00	50.00	0.362	0.362	1.00
34	23:45	1.00	0.942	1.00	50.00	50.00	1.076	1.076	1.00
35	24:00	1.00	0.952	1.00	50.00	50.00	0.670	0.670	1.00
36	25:18	1.00	1.004	1.00	50.00	50.00	0.801	0.801	1.00
37	27:27	1.00	1.089	1.00	50.00	50.00	0.414	0.414	1.00
38	29:33	1.00	1.173	1.00	50.00	50.00	0.614	0.614	1.00
39	30:33	1.00	1.212	1.00	50.00	50.00	0.761	0.761	1.00
40	30:45	1.00	1.220	1.00	50.00	50.00	0.449	0.449	1.00
41	31:24	1.00	1.246	1.00	50.00	50.00	0.433	0.433	1.00

02246

TCA FINISHED, 41 FOUND
FINISHED AT: 4/29/88 11:35:44

02247

RMAL QUANTITATION SUMMARY FILE: STDW915
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/L AMOUNT
1	V1#	1	CI01 BROMOCHLOROMETHANE	128	162	1	33510.	1.000	50.000
2	V2#	1	CI10 1,4-DIFLUOROBENZENE	114	389	2	210524.	1.000	50.000
3	V3#	1	CI20 CHLOROBENZENE-D5	117	504	3	198319.	1.000	50.000
4	V3#	2	CS05 TOLUENE-D8	98	475	3	213478.	1.076	50.000
5	V3#	3	CS10 BROMOFLUOROBENZENE	95	591	3	121863.	0.614	50.000
6	V1#	2	CS15 1,2-DICHLOROETHANE-	65	218	1	71733	2.141	50.000
7	V1#	10	C010 CHLOROMETHANE	50	28	1	76735	2.290	50.000
8	V1#	15	C015 BROMOMETHANE	94	44	1	50198.	1.498	50.000
9	V1#	25	C020 VINYL CHLORIDE	62	56	1	70178	2.094	50.000
10	V1#	35	C025 CHLOROETHANE	64	70	1	44390	1.325	50.000
11	V1#	45	C030 METHYLENE CHLORIDE	84	105	1	72029.	2.149	50.000
12	V1#	50	C035 ACETONE	58	114	1	5798.	0.173	50.000
13	V1#	65	C040 CARBON DISULFIDE	76	132	1	139235	4.155	50.000
14	V1#	80	C045 1,1-DICHLOROETHENE	96	153	1	47361	1.413	50.000
15	V1#	90	C050 1,1-DICHLOROETHANE	63	179	1	123898.	3.697	50.000
16	V1#	95	TRANS-1,2-DICHLOROETHENE	96	193	1	52972.	1.581	50.000
17	V1#	100	C060 CHLOROFORM	83	204	1	102657.	3.063	50.000
18	V1#	110	C065 1,2-DICHLOROETHANE	62	220	1	77791.	2.321	50.000
19	V2#	10	C110 2-BUTANONE	72	218	2	7188.	0.034	50.000
20	V2#	15	C115 1,1,1-TRICHLOROETHA	97	248	2	72680.	0.345	50.000
21	V2#	20	C120 CARBONTETRACHLORIDE	117	256	2	66434.	0.316	50.000
22	V2#	25	C125 VINYL ACETATE	43	259	2	261144.	1.240	50.000
23	V2#	30	C130 BROMODICHLOROMETHAN	83	267	2	101467.	0.482	50.000
24	V2#	35	C140 1,2-DICHLOROPROPANE	63	298	2	97021.	0.461	50.000
25	V2#	40	C143 CIS-1,3-DICHLOROPRO	75	304	2	158123	0.536	70.000
26	V2#	45	C150 TRICHLOROETHENE	130	316	2	66757.	0.317	50.000
27	V2#	50	C155 DIBROMOCHLOROMETHAN	129	330	2	78926.	0.375	50.000
28	V2#	55	C160 1,1,2-TRICHLOROETHA	97	333	2	58865.	0.280	50.000
29	V2#	60	C165 BENZENE	78	329	2	205398.	0.976	50.000
30	V2#	65	C172 TRANS-1,3-DICHLOROP	75	333	2	56889.	0.466	29.000
31	V2#	80	C180 BROMOFORM	173	393	2	67913.	0.323	50.000
32	V3#	10	C205 4-METHYL-2-PENTANON	58	404	3	30097.	0.152	50.000
33	V3#	15	C210 2-HEXANONE	58	441	3	31618.	0.159	50.000
34	V3#	20	C220 TETRACHLOROETHENE	164	448	3	71886.	0.362	50.000
35	V3#	25	C225 1,1,2,2-TETRACHLORO	83	447	3	114218.	0.576	50.000
36	V3#	35	C230 TOLUENE	92	480	3	132814.	0.670	50.000
37	V3#	40	C235 CHLOROBENZENE	112	506	3	158756.	0.801	50.000
38	V3#	50	C240 ETHYLBENZENE	106	549	3	82167.	0.414	50.000
39	V3#	55	C245 STYRENE	104	611	3	151014.	0.761	50.000
40	V3#	60	M-XYLENE	106	615	3	89057.	0.449	50.000
41	V3#	75	O+P XYLENES	106	628	3	85883.	0.433	50.000

Quantitation Report File. STDW915

Data: STDW915.TI
04/29/88 9:48:00
Sample: 50 PPB HSL STD CS1 4/13-1, CS2 4/15-1, API 3/15, IS/SCS 4/20-4
Conds.: GC DESC V3
Formula: Instrument: 5100 Weight: 0.026
Submitted by: RMAL Analyst: DC Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI01	BROMOCHLOROMETHANE	128	IV1#	01	74-97-5
2	CI10	1,4-DIFLUOROBENZENE	114	IV2#	01	540-36-3
3	CI20	CHLOROBENZENE-D5	117	IV3#	01	3114-55-4
4	CS05	TOLUENE-D8	98	SV3#	02	2037-26-5
5	CS10	BROMOFLUOROBENZENE	95	SV3#	03	460-00-4
6	CS15	1,2-DICHLORCETHANE-D4	65	SV1#	02	17060-07-0
7	CO10	CHLOROMETHANE	50	V1#	10SP	74-87-3
8	CO15	BROMOMETHANE	94	V1#	15	74-83-9
9	CO20	VINYL CHLORIDE	62	V1#	25	75-01-4
10	CO25	CHLOROETHANE	64	V1#	35	75-00-3
11	CO30	METHYLENE CHLORIDE	84	V1#	45	75-09-2
12	CO35	ACETONE	58	V1#	50	67-64-1
13	CO40	CARBON DISULFIDE	76	V1#	65	75-15-0
14	CO45	1,1-DICHLOROETHENE	61	V1#	80	75-35-4
15	CO50	1,1-DICHLOROETHANE	63	V1#	90	75-34-3
16	TRANS-1,2-DICHLOROETHENE		61	V1#	95	156-60-5
17	CO60	CHLOROFORM	83	V1#	100CC	67-66-3
18	CO65	1,2-DICHLOROETHANE	62	V1#	110	107-06-2
19	C110	2-BUTANONE	72	V2#	10	78-93-3
20	C115	1,1,1-TRICHLOROETHANE	97	V2#	15	71-55-6
21	C120	CARBONTETRACHLORIDE	117	V2#	20	56-23-5
22	C125	VINYL ACETATE	43	V2#	25	108-05-4
23	C130	BROMODICHLOROMETHANE	83	V2#	30	75-27-4
24	C140	1,2-DICHLOROPROPANE	63	V2#	35CC	78-87-5
25	C143	CIS-1,3-DICHLOROPROPENE	75	V2#	40	10061-01-5
26	C150	TRICHLOROETHENE	130	V2#	45	79-01-6
27	C155	DIBROMOCHLOROMETHANE	129	V2#	50	124-48-1
28	C160	1,1,2-TRICHLOROETHANE	97	V2#	55	79-00-5
29	C165	BENZENE	78	V2#	60	71-43-2
30	C172	TRANS-1,3-DICHLOROPROPE	75	V2#	65	10061-02-6
31	C180	BROMOFORM	173	V2#	80	75-25-2
32	C205	4-METHYL-2-PENTANONE	58	V3#	10	108-10-1
33	C210	2-HEXANONE	58	V3#	15	591-78-6
34	C220	TETRACHLOROETHENE	164	V3#	20	127-18-4
35	C225	1,1,2,2-TETRACHLOROETHA	83	V3#	25SP	79-34-5
36	C230	TOLUENE	92	V3#	35	108-88-3
37	C235	CHLOROBENZENE	112	V3#	40	108-90-7
38	C240	ETHYLBENZENE	106	V3#	50	100-41-4
39	C245	STYRENE	104	V3#	55	100-42-5
40	M-XYLENE		106	V3#	60	108-38-3
41	O+P XYLENES		106	V3#	75	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	162	8:06	1	1.000	A BB	33510	50.000	UG/L	2.44
2	114	389	19:27	2	1.000	A BB	210524	50.000	UG/L	2.44
3	117	504	25:12	3	1.000	A BB	198319.	50.000	UG/L	2.44
4	98	475	23:45	3	0.942	A BB	213478.	50.000	UG/L	2.44
5	95	591	29:33	3	1.173	A BB	121863.	50.000	UG/L	2.44
6	65	218	10:54	1	1.346	A BB	71733.	50.000	UG/L	2.44
7	50	28	1:24	1	0.173	A BB	76735.	50.000	UG/L	2.44
8	94	44	2:12	1	0.272	A BB	50198	50.000	UG/L	2.44
9	62	56	2:48	1	0.346	A BB	70178.	50.000	UG/L	2.44
10	64	70	3:30	1	0.432	A VB	44390.	50.000	UG/L	2.44
11	84	105	5:15	1	0.648	A BB	72029.	50.000	UG/L	2.44
12	58	114	5:42	1	0.704	A BB	5798.	50.000	UG/L	2.44
13	76	132	6:36	1	0.815	A BB	139235.	50.000	UG/L	2.44
14	96	153	7:39	1	0.944	A BB	47361.	50.000	UG/L	2.44
15	63	179	8:57	1	1.105	A BB	123898.	50.000	UG/L	2.44
16	96	193	9:39	1	1.191	A BB	52972.	50.000	UG/L	2.44
17	83	204	10:12	1	1.259	A BB	102657.	50.000	UG/L	2.44
18	62	220	11:00	1	1.358	A BB	77791.	50.000	UG/L	2.44
19	72	218	10:54	2	0.560	A BB	7188	50.000	UG/L	2.44
20	97	248	12:24	2	0.638	A BB	72680	50.000	UG/L	2.44
21	117	256	12:48	2	0.658	A VB	66434.	50.000	UG/L	2.44
22	43	259	12:57	2	0.666	A VB	261144.	50.000	UG/L	2.44
23	83	267	13:21	2	0.686	A BB	101467.	50.000	UG/L	2.44
24	63	298	14:54	2	0.766	A BB	97021.	50.000	UG/L	2.44
25	75	304	15:12	2	0.781	A BB	158123.	70.000	UG/L	3.42
26	130	316	15:48	2	0.812	A BV	66757.	50.000	UG/L	2.44
27	129	330	16:30	2	0.848	A BB	78926.	50.000	UG/L	2.44
28	97	333	16:39	2	0.856	A BB	58865.	50.000	UG/L	2.44
29	78	329	16:27	2	0.846	A BB	205398.	50.000	UG/L	2.44
30	75	333	16:39	2	0.856	A BB	56889.	29.000	UG/L	1.42
31	173	393	19:39	2	1.010	A BB	67913.	50.000	UG/L	2.44
32	58	404	20:12	3	0.802	A BB	30097.	50.000	UG/L	2.44
33	58	441	22:03	3	0.875	A BB	31618.	50.000	UG/L	2.44
34	164	448	22:24	3	0.889	A BB	71886.	50.000	UG/L	2.44
35	83	447	22:21	3	0.887	A BB	114218.	50.000	UG/L	2.44
36	92	480	24:00	3	0.952	A BB	132814.	50.000	UG/L	2.44
37	112	506	25:18	3	1.004	A BB	158756.	50.000	UG/L	2.44
38	106	549	27:27	3	1.089	A BB	82167.	50.000	UG/L	2.44
39	104	611	30:33	3	1.212	A BB	151014.	50.000	UG/L	2.44
40	106	615	30:45	3	1.220	A BV	89057.	50.000	UG/L	2.44
41	106	628	31:24	3	1.246	A VB	85883.	50.000	UG/L	2.44

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:06	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	19:27	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	23:45	1.00	0.942	1.00	50.00	50.00	1.076	1.076	1.00
5	29:33	1.00	1.173	1.00	50.00	50.00	0.614	0.614	1.00
6	10:54	1.00	1.346	1.00	50.00	50.00	2.141	2.141	1.00
7	1:24	1.00	0.173	1.00	50.00	50.00	2.290	2.290	1.00
8	2:12	1.00	0.272	1.00	50.00	50.00	1.498	1.498	1.00
9	2:48	1.00	0.346	1.00	50.00	50.00	2.094	2.094	1.00
10	3:30	1.00	0.432	1.00	50.00	50.00	1.325	1.325	1.00
11	5:15	1.00	0.648	1.00	50.00	50.00	2.149	2.149	1.00
12	5:42	1.00	0.704	1.00	50.00	50.00	0.173	0.173	1.00
13	6:36	1.00	0.815	1.00	50.00	50.00	4.155	4.155	1.00

02250

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
14	7:39	1.00	0.944	1.00	50.00	50.00	1.413	1.413	1.00
15	8:57	1.00	1.105	1.00	50.00	50.00	3.697	3.697	1.00
16	9:39	1.00	1.191	1.00	50.00	50.00	1.581	1.581	1.00
17	10:12	1.00	1.259	1.00	50.00	50.00	3.063	3.063	1.00
18	11:00	1.00	1.358	1.00	50.00	50.00	2.321	2.321	1.00
19	10:54	1.00	0.560	1.00	50.00	50.00	0.034	0.034	1.00
20	12:24	1.00	0.638	1.00	50.00	50.00	0.345	0.345	1.00
21	12:48	1.00	0.658	1.00	50.00	50.00	0.316	0.316	1.00
22	12:57	1.00	0.666	1.00	50.00	50.00	1.240	1.240	1.00
23	13:21	1.00	0.686	1.00	50.00	50.00	0.482	0.482	1.00
24	14:54	1.00	0.766	1.00	50.00	50.00	0.461	0.461	1.00
25	15:12	1.00	0.781	1.00	70.00	70.00	0.536	0.536	1.00
26	15:48	1.00	0.812	1.00	50.00	50.00	0.317	0.317	1.00
27	16:30	1.00	0.848	1.00	50.00	50.00	0.375	0.375	1.00
28	16:39	1.00	0.856	1.00	50.00	50.00	0.280	0.280	1.00
29	16:27	1.00	0.846	1.00	50.00	50.00	0.976	0.976	1.00
30	16:39	1.00	0.856	1.00	29.00	29.00	0.466	0.466	1.00
31	19:39	1.00	1.010	1.00	50.00	50.00	0.323	0.323	1.00
32	20:12	1.00	0.802	1.00	50.00	50.00	0.152	0.152	1.00
33	22:03	1.00	0.875	1.00	50.00	50.00	0.159	0.159	1.00
34	22:24	1.00	0.889	1.00	50.00	50.00	0.362	0.362	1.00
35	22:21	1.00	0.887	1.00	50.00	50.00	0.576	0.576	1.00
36	24:00	1.00	0.952	1.00	50.00	50.00	0.670	0.670	1.00
37	25:18	1.00	1.004	1.00	50.00	50.00	0.801	0.801	1.00
38	27:27	1.00	1.089	1.00	50.00	50.00	0.414	0.414	1.00
39	30:33	1.00	1.212	1.00	50.00	50.00	0.761	0.761	1.00
40	30:45	1.00	1.220	1.00	50.00	50.00	0.449	0.449	1.00
41	31:24	1.00	1.246	1.00	50.00	50.00	0.433	0.433	1.00

RMAL QUANTITATION SUMMARY FILE: STDW915
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

02251

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/L AMOUNT
1	V1#	1	CI01 BROMOCHLOROMETHANE	128	162	1	33510.	1.000	50.000
2	V2#	1	CI10 1,4-DIFLUOROBENZENE	114	389	2	210524.	1.000	50.000
3	V3#	1	CI20 CHLOROBENZENE-D5	117	504	3	198319.	1.000	50.000
4	V3#	2	CS05 TOLUENE-D8	98	475	3	213478.	1.076	50.000
5	V3#	3	CS10 BROMOFLUOROBENZENE	95	591	3	121863.	0.614	50.000
6	V1#	2	CS15 1,2-DICHLOROETHANE-	65	218	1	71733.	2.141	50.000
7	V1#	10	C010 CHLOROMETHANE	50	28	1	76735	2.290	50.000
8	V1#	15	C015 BROMOMETHANE	94	44	1	50198.	1.498	50.000
9	V1#	25	C020 VINYL CHLORIDE	62	5e	1	70178.	2.094	50.000
10	V1#	35	C025 CHLOROETHANE	64	70	1	44390.	1.325	50.000
11	V1#	45	C030 METHYLENE CHLORIDE	84	105	1	72029	2.149	50.000
12	V1#	50	C035 ACETONE	58	114	1	5798.	0.173	50.000
13	V1#	65	C040 CARBON DISULFIDE	76	132	1	139235.	4.155	50.000
14	V1#	80	C045 1,1-DICHLOROETHENE	96	153	1	47361.	1.413	50.000
15	V1#	90	C050 1,1-DICHLOROETHANE	63	179	1	123898.	3.697	50.000
16	V1#	95	TRANS-1,2-DICHLOROETHENE	96	193	1	52972.	1.581	50.000
17	V1#100		C060 CHLOROFORM	83	204	1	102657.	3.063	50.000
18	V1#110		C065 1,2-DICHLOROETHANE	62	220	1	77791	2.321	50.000
19	V2#	10	C110 2-BUTANONE	72	218	2	7188.	0.034	50.000
20	V2#	15	C115 1,1,1-TRICHLOROETHA	97	248	2	72680.	0.345	50.000
21	V2#	20	C120 CARBONTETRACHLORIDE	117	256	2	66434.	0.316	50.000
22	V2#	25	C125 VINYL ACETATE	43	259	2	261144.	1.240	50.000
23	V2#	30	C130 BROMODICHLOROMETHAN	83	267	2	101467.	0.482	50.000
24	V2#	35	C140 1,2-DICHLOROPROPANE	63	298	2	97021.	0.461	50.000
25	V2#	40	C143 CIS-1,3-DICHLOROPRO	75	304	2	158123.	0.536	70.000
26	V2#	45	C150 TRICHLOROETHENE	130	316	2	66757.	0.317	50.000
27	V2#	50	C155 DIBROMOCHLOROMETHAN	129	330	2	78926.	0.375	50.000
28	V2#	55	C160 1,1,2-TRICHLOROETHA	97	333	2	58865.	0.280	50.000
29	V2#	60	C165 BENZENE	78	329	2	205398.	0.976	50.000
30	V2#	65	C172 TRANS-1,3-DICHLOROP	75	333	2	56889.	0.466	29.000
31	V2#	80	C180 BROMOFORM	173	393	2	67913.	0.323	50.000
32	V3#	10	C205 4-METHYL-2-PENTANON	58	404	3	30097.	0.152	50.000
33	V3#	15	C210 2-HEXANONE	58	441	3	31618.	0.159	50.000
34	V3#	20	C220 TETRACHLOROETHENE	164	448	3	71886.	0.362	50.000
35	V3#	25	C225 1,1,2,2-TETRACHLORO	83	447	3	114218.	0.576	50.000
36	V3#	35	C230 TOLUENE	92	480	3	132814.	0.670	50.000
37	V3#	40	C235 CHLOROBENZENE	112	506	3	158756.	0.801	50.000
38	V3#	50	C240 ETHYLBENZENE	106	549	3	82167.	0.414	50.000
39	V3#	55	C245 STYRENE	104	611	3	151014.	0.761	50.000
40	V3#	60	M-XYLENE	106	615	3	89057.	0.449	50.000
41	V3#	75	O+P XYLENES	106	628	3	85883.	0.433	50.000

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE : D:3STDR962. STARTED : 6/01/88 14:18:50

02252

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE : 3:STDR962. STARTED : 6/01/88 14:19:49

6/1/88 13:39:17 SCAN 1 OF 2850
Acquisition started

Acquire Run 3:STDR962 ACQUIRING
06/01/88 13:37:00 + 0:03 Free sectors: 16201 Scan: 4 of 2850
Sample: 50PPM PYRIDINE 10/26/87
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No: -

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int.oven : 275 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	0	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

RF= 2 ml

6/1/88 14:14:58
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

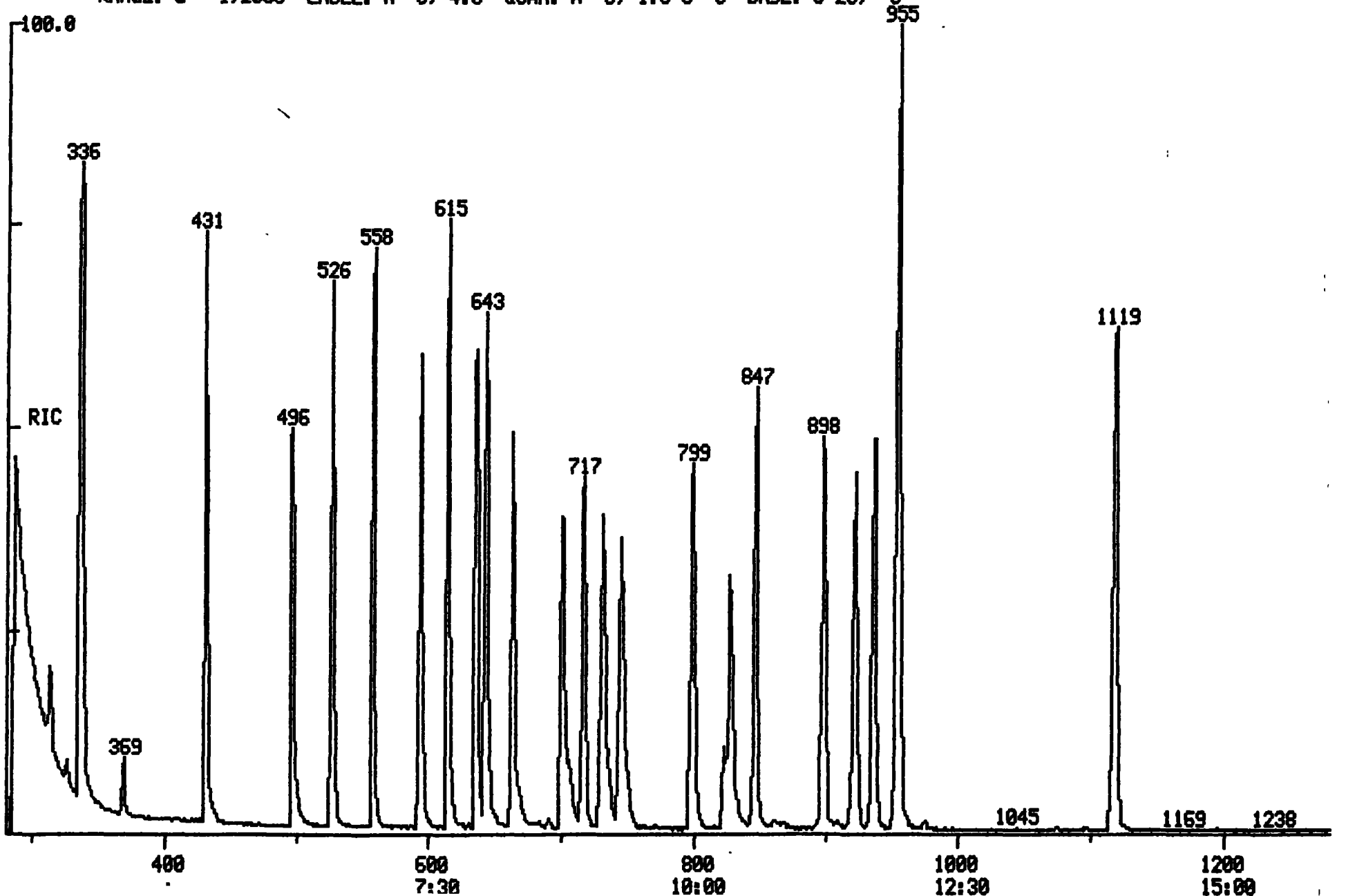
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	549.9	2137.5	25.7	90919.	32. 43.

02253

RIC
06/01/88 13:37:00
SAMPLE: 50PPM PYRIDINE 10/26/87
CONDS.: ST
RANGE: G 1.2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDR962 #1
CALI: 053188CR #4

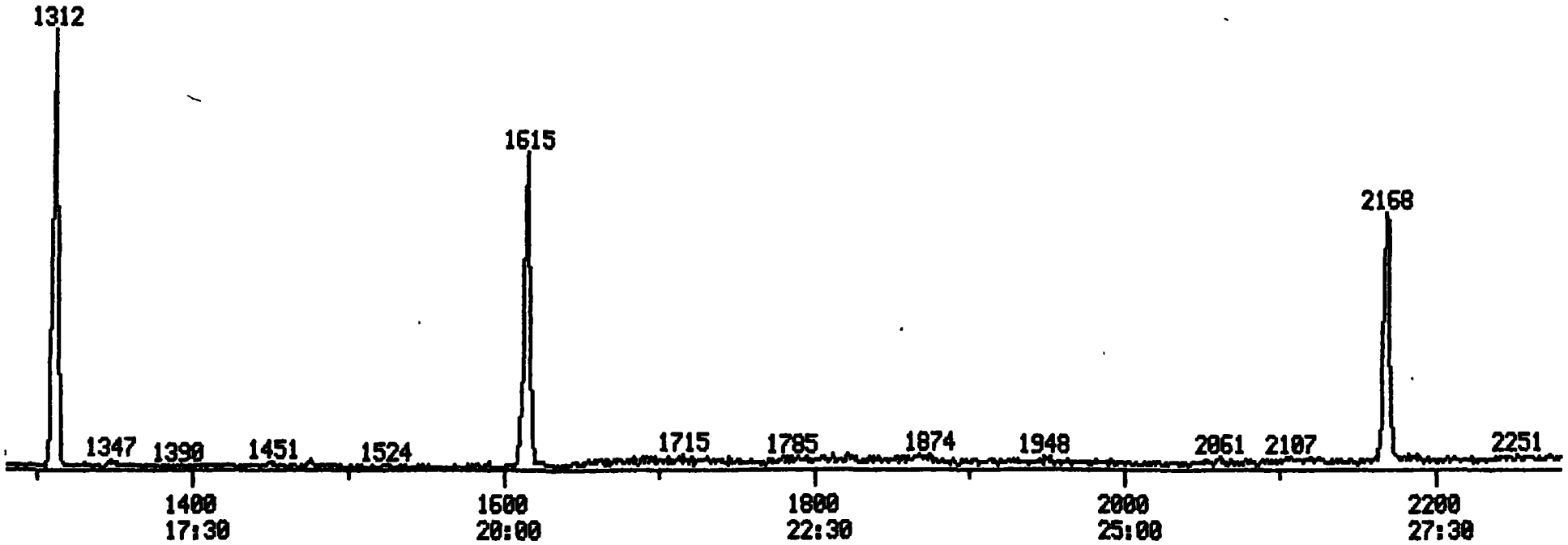
SCANS 280 TO 1280
OUT OF 280 TO 2850



02254

RIC
06/01/88 13:37:00
SAMPLE: 50PPM PYRIDINE 10/26/87
CONDS.: ST
DATA: STDR962 #1
CALI: 053188CR #4
SCANS 1280 TO 2280
OUT OF 280 TO 2850
RANGE: G 1.2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

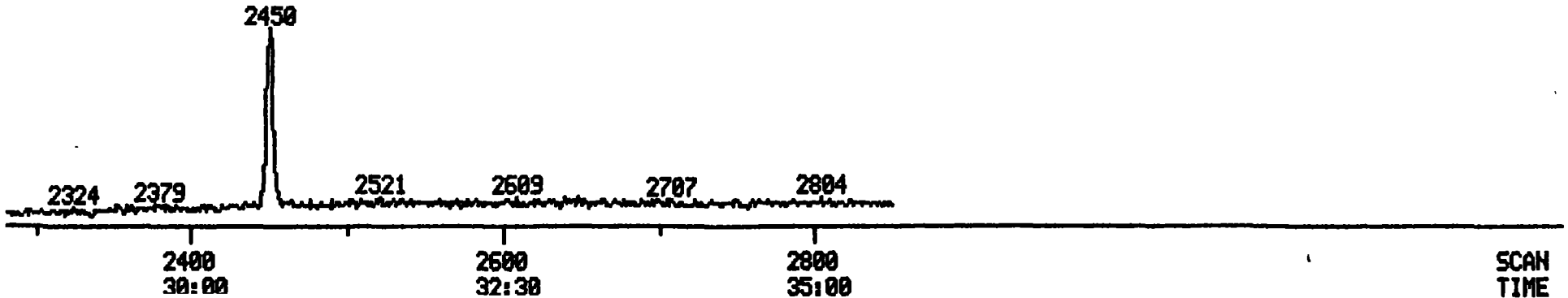
100.0



02255

RIC DATA: STDR962 #1 SCANS 2280 TO 2850
06/01/88 13:37:00 CALI: 053188CR #4 OUT OF 280 TO 2850
SAMPLE: 50PPM PYRIDINE 10/26/87
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 105984.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/03/88 17:08:44
DATA FILE: STDR962
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: IS01

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
1	1	2	0	13	13	8	152	IS01/TC01
3	3	1	49	14	13	1	307	IS02/TC02

26 COMPOUNDS PROCESSED, 25 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/Z	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	S1	1	-715	717	717	.	2	979	.	152	716	-1	1
2	S1	4	-316	334	336	2	1	984	.	84	335	-1	1
3	S1	20	-319	337	337	.	1	993	.	79	337	.	1
4	S1	30	-418	431	431	.	1	996	.	93	431	.	1
5	S1	62	-488	498	495	-3	1	995	.	93	496	1	1
6	S1	64	-519	527	526	-1	1	996	.	107	526	.	1
7	S1	73	-552	559	558	-1	1	992	.	106	558	.	1
8	S1	83	-590	595	594	-1	1	994	.	107	594	.	1
9	S1	87	-612	616	615	-1	1	989	.	107	615	.	1
10	S1	88	-633	636	636	.	2	989	.	107	635	-1	1
11	S1	89	-641	643	643	.	2	990	.	107	643	.	1
12	S1	92	-661	662	663	1	1	996	.	107	663	.	1
13	S1	122	-701	701	700	-1	2	993	.	107	700	.	1
14	S2	1	-954	955	955	.	1	994	.	136	955	.	1
15	S3	1	-1311	1312	1312	.	1	993	.	164	1312	.	1
16	S1	137	-732	729	731	2	1	994	.	106	731	.	1
17	S1	142	-746	743	745	2	1	969	.	106	745	.	1
18	S1	187	-802	800	799	-1	1	919	.	108	799	.	1
19	S1	203	-832	830	827	-3	1	993	.	106	827	.	1
20	S1	202	-832	830	827	-3	1	993	.	106	827	.	1
21	S1	204	-853	851	847	-4	1	988	.	122	847	.	1
22	S2	27	-899	898	898	.	1	992	.	107	898	.	1
23	S2	37	-924	923	922	-1	1	991	.	107	922	.	1
24	S2	47	-938	937	936	-1	1	992	.	107	937	1	1
25	S2	57	-966	965	.	.	.	.	.	107	.	.	.
26	S2	150	-1124	1125	1130	5	1	850	.	142	.	.	.

Quantitation Report File: STDR76Z

02257

Data: STDR962.TI
06/01/88 13:37:00
Sample: 50PPM PYRIDINE 10/26/87
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	PYRIDINE-D5	84	S1# 04	
5	PYRIDINE	79	S1# 20	110-86-1
6	2-PICOLINE	93	S1# 30	109-06-8
7	3 & 4-PICOLINE	93	S1# 62	
8	2,6-LUTIDINE	107	S1# 64	
9	2-ETHYL PYRIDINE	106	S1# 73	
10	2,4 & 2,5-LUTIDINE	107	S1# 83	
11	2,3-LUTIDINE	107	S1# 87	
12	3-ETHYL PYRIDINE	107	S1# 88	
13	4-ETHYL PYRIDINE	107	S1# 89	
14	3,5-LUTIDINE	107	S1# 92	
15	3,4-LUTIDINE	107	S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
20	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	716	8:57	1	1.000	A BB	20233.	40.000	UG/ML	3.15
2	136	955	11:56	2	1.000	A BB	78926.	40.000	UG/ML	3.15
3	164	1312	16:24	3	1.000	A BB	38969.	40.000	UG/ML	3.15
4	84	335	4:11	1	0.468	A BB	56494.	50.000	UG/ML	3.94
5	79	337	4:13	1	0.471	A BB	49518.	50.000	UG/ML	3.94
6	93	431	5:23	1	0.602	A BB	48788.	50.000	UG/ML	3.94
7	93	496	6:12	1	0.693	A BB	44875.	50.000	UG/ML	3.94
8	107	526	6:34	1	0.735	A BB	51737.	50.000	UG/ML	3.94
9	106	558	6:58	1	0.779	A BB	60620.	50.000	UG/ML	3.94
10	107	594	7:25	1	0.830	A BB	42682.	50.000	UG/ML	3.94
11	107	615	7:41	1	0.859	A BB	45592.	50.000	UG/ML	3.94
12	107	635	7:56	1	0.887	A BV	32422.	50.000	UG/ML	3.94
13	107	643	8:02	1	0.898	A VB	36536.	50.000	UG/ML	3.94
14	107	663	8:17	1	0.926	A BB	40474.	50.000	UG/ML	3.94
15	107	700	8:45	1	0.978	A BB	40594.	50.000	UG/ML	3.94
16	106	731	9:08	1	1.021	A BB	54680.	50.000	UG/ML	3.94
17	106	745	9:19	1	1.041	A VB	38235.	50.000	UG/ML	3.94

02258

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	799	9:59	1	1.116	A BB	38505.	50.000	UG/ML	3.94
19	106	822	10:16	1	1.148	M XX	10568.	50.000	UG/ML	3.94
20	106	827	10:20	1	1.155	M XX	33855.	50.000	UG/ML	3.94
21	122	847	10:35	1	1.183	A BB	30292.	50.000	UG/ML	3.94
22	107	898	11:13	2	0.940	A BB	35008.	50.000	UG/ML	3.94
23	107	922	11:31	2	0.965	A BB	34217.	50.000	UG/ML	3.94
24	107	937	11:43	2	0.981	A BB	36536.	50.000	UG/ML	3.94
25	107	955	11:56	1	1.334	M XX	47058.	50.000	UG/ML	3.94
26	142	1118	13:58	2	1.171	M XX	68872.	50.000	UG/ML	3.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:11	1.00	0.468	1.00	50.00	50.00	2.234	2.234	1.00
5	4:13	1.00	0.471	1.00	50.00	50.00	1.958	1.958	1.00
6	5:23	1.00	0.602	1.00	50.00	50.00	1.929	1.929	1.00
7	6:12	1.00	0.693	1.00	50.00	50.00	1.774	1.774	1.00
8	6:34	1.00	0.735	1.00	50.00	50.00	2.046	2.046	1.00
9	6:58	1.00	0.779	1.00	50.00	50.00	2.397	2.397	1.00
10	7:25	1.00	0.830	1.00	50.00	50.00	1.688	1.688	1.00
11	7:41	1.00	0.859	1.00	50.00	50.00	1.803	1.803	1.00
12	7:56	1.00	0.887	1.00	50.00	50.00	1.282	1.282	1.00
13	8:02	1.00	0.898	1.00	50.00	50.00	1.445	1.445	1.00
14	8:17	1.00	0.926	1.00	50.00	50.00	1.600	1.600	1.00
15	8:45	1.00	0.978	1.00	50.00	50.00	1.605	1.605	1.00
16	9:08	1.00	1.021	1.00	50.00	50.00	2.162	2.162	1.00
17	9:19	1.00	1.041	1.00	50.00	50.00	1.512	1.512	1.00
18	9:59	1.00	1.116	1.00	50.00	50.00	1.522	1.522	1.00
19	10:16	1.00	1.148	1.00	50.00	50.00	0.418	0.418	1.00
20	10:20	1.00	1.155	1.00	50.00	50.00	1.339	1.339	1.00
21	10:35	1.00	1.183	1.00	50.00	50.00	1.198	1.198	1.00
22	11:13	1.00	0.940	1.00	50.00	50.00	0.355	0.355	1.00
23	11:31	1.00	0.965	1.00	50.00	50.00	0.347	0.347	1.00
24	11:43	1.00	0.981	1.00	50.00	50.00	0.370	0.370	1.00
25	11:56	1.00	1.334	1.00	50.00	50.00	1.861	1.861	1.00
26	13:58	1.00	1.171	1.00	50.00	50.00	0.698	0.698	1.00

02259

RMAL QUANTITATION SUMMARY FILE: STDR702
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	716	1	20233.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	955	2	78926.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1312	3	38969.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	335	1	56494.	2.234	50.000
5	S1# 20	PYRIDINE	79	337	1	49518.	1.958	50.000
6	S1# 30	2-PICOLINE	93	431	1	48788.	1.929	50.000
7	S1# 62	3 & 4-PICOLINE	93	496	1	44875.	1.774	50.000
8	S1# 64	2,6-LUTIDINE	107	526	1	51737.	2.046	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	558	1	60620.	2.397	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	594	1	42682.	1.688	50.000
11	S1# 87	2,3-LUTIDINE	107	615	1	45592.	1.803	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	635	1	32422.	1.282	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	643	1	36536.	1.445	50.000
14	S1# 92	3,5-LUTIDINE	107	663	1	40474.	1.600	50.000
15	S1#122	3,4-LUTIDINE	107	700	1	40594.	1.605	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	731	1	54680.	2.162	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	745	1	38235.	1.512	50.000
18	S1#187	M AND P CRESOLS	108	799	1	38505.	1.522	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	822	1	10568.	0.418	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	827	1	33858.	1.339	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	847	1	30292.	1.198	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	898	2	35006.	0.355	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	922	2	34217.	0.347	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	937	2	36536.	0.370	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	955	1	47058.	1.661	50.000
26	S2#150	1-METHYLNAPHTHALENE	142	1118	2	68872.	0.698	50.000

6/1/88 11:48:43 SCAN 1 OF 2850
Acquisition started

02260

cquire | Run 3:STDR961 | ACQUIRING
6/01/88 11:47:00 + 0:03 | Free sectors: 17093 | Scan: 4 of 2850
ample: 50PPM HSL STD
onds.: ST
ormula: AUTO INJ | Instrument: 4500 | Weight: 0.000
ubmitted by: RMAL | Analyst: MK | Acct. No: -

********** GC PARAMETERS **********
oaded GC Desc:ST Current GC oven tmp: 30 DegC Injector : 250 DegC
urrent GC Desc:ST GC elapsed time : 0: 3 min Int. oven : 275 DegC

eq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********

ow mass: 35 | Up: 0.70 L* | Top: 0.00
igh mass: 500 | Down: 0.00 L | Bottom: 0.05

Cent S/P: 10 Actual: 10 | Samp Int (ms): 0.150 | Peak Width: 1000.
Frag S/P: 10 Actual: 10 | Samp Int (ms): 0.150 | Inten/ion: 2

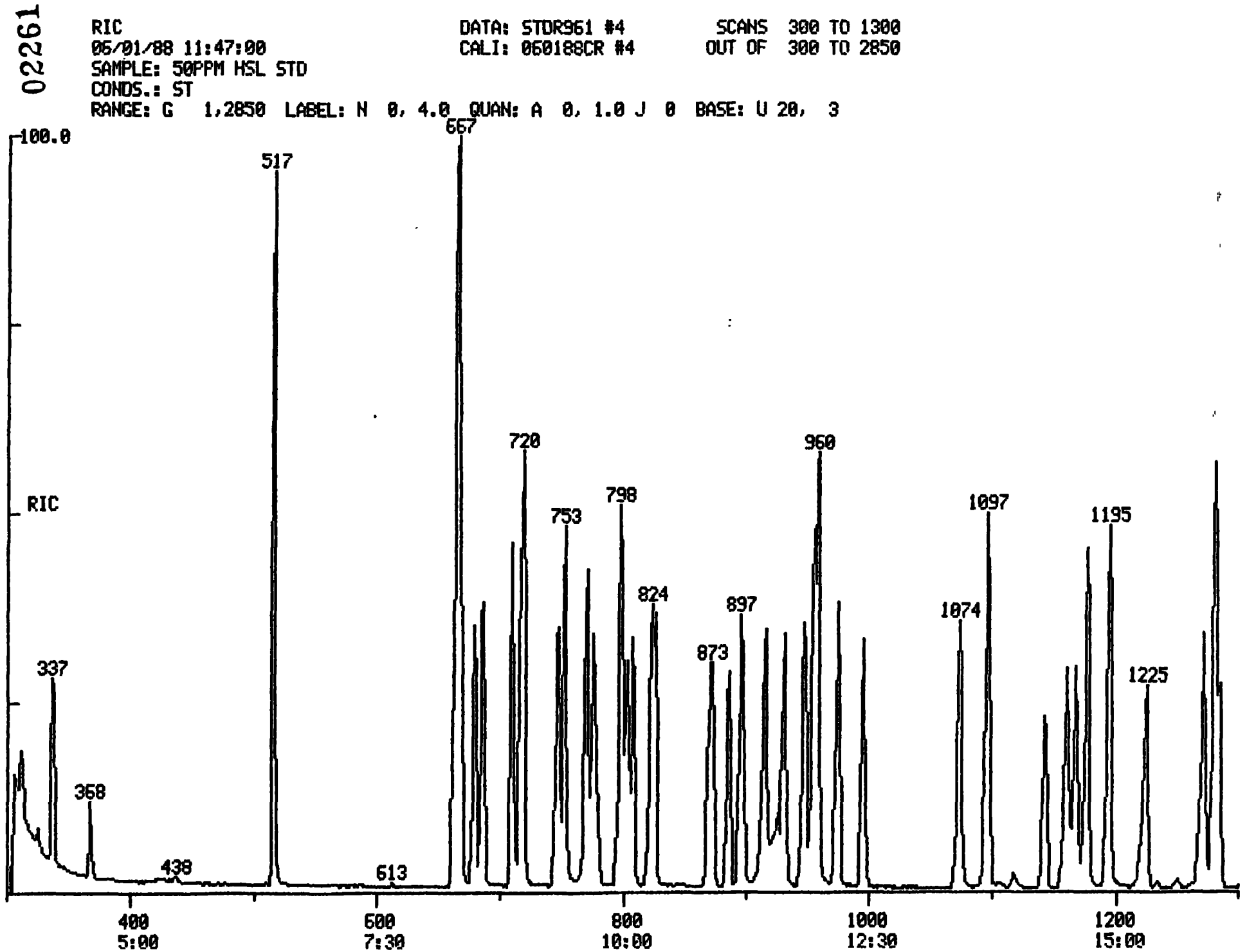
Min Peak Width: 3 | Min Frag Width %: 80 | Min Area: 20
ADC Threshold: 1 | Baseline: 0

***** Mode: Centroid positive ion

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/1/88 12:24:23
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

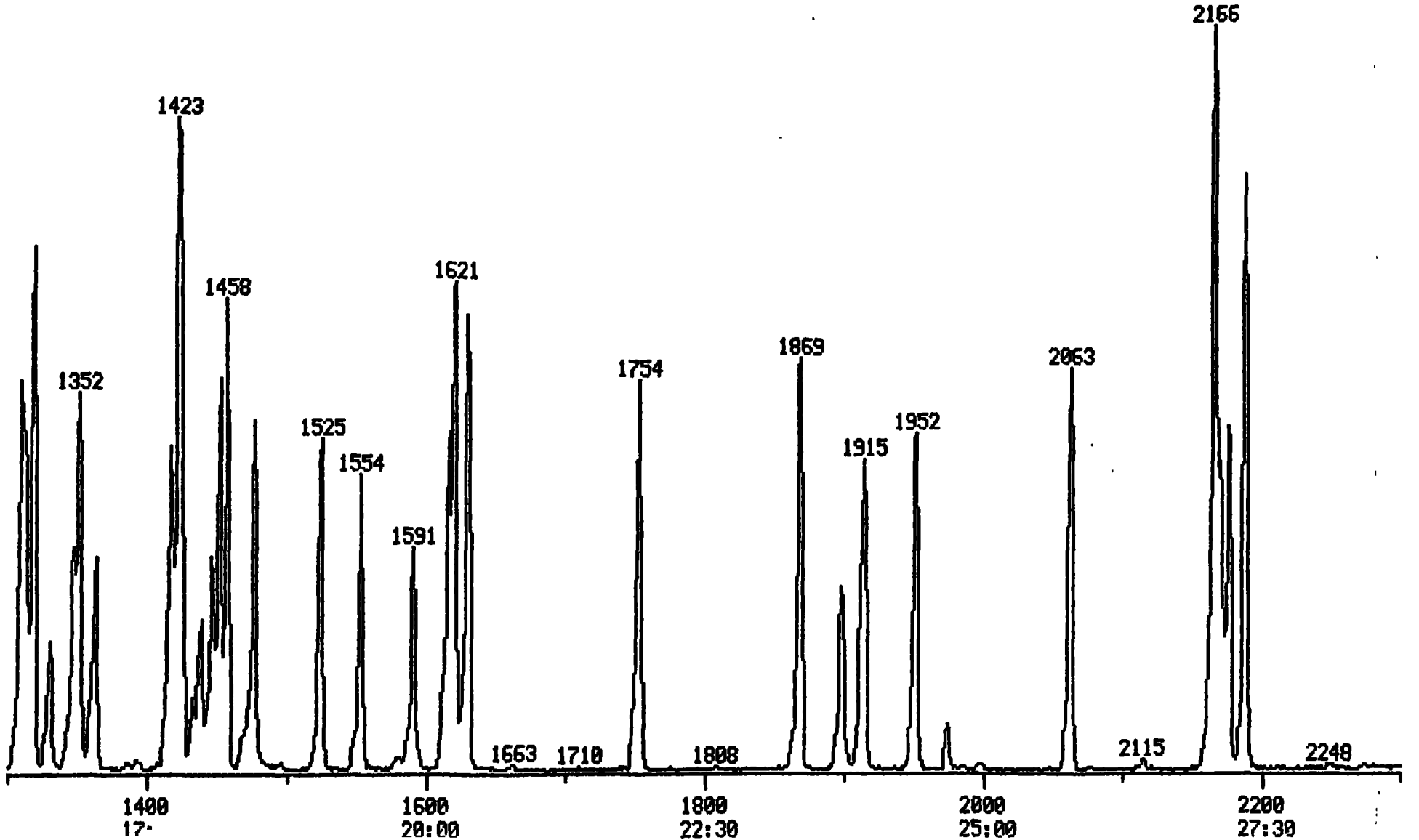
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	519.7	2137.5	24.3	99560.	35. 47.


02261
RIC
06/01/88 11:47:00
SAMPLE: 50PPM HSL STD
CONDS.: ST
DATA: STDR961 #4
CALI: 060188CR #4
SCANS 300 TO 1300
OUT OF 300 TO 2850
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
RIC
517
667
720
753
798
824
873
897
960
1074
1097
1195
1225
337
368
438
613
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

022262

RIC
06/01/88 11:47:00
SAMPLE: 50PPM HSL STD
CONDS.: ST
DATA: STDR961 #4
CALI: 060188CR #4
SCANS 1300 TO 2300
OUT OF 300 TO 2850
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0

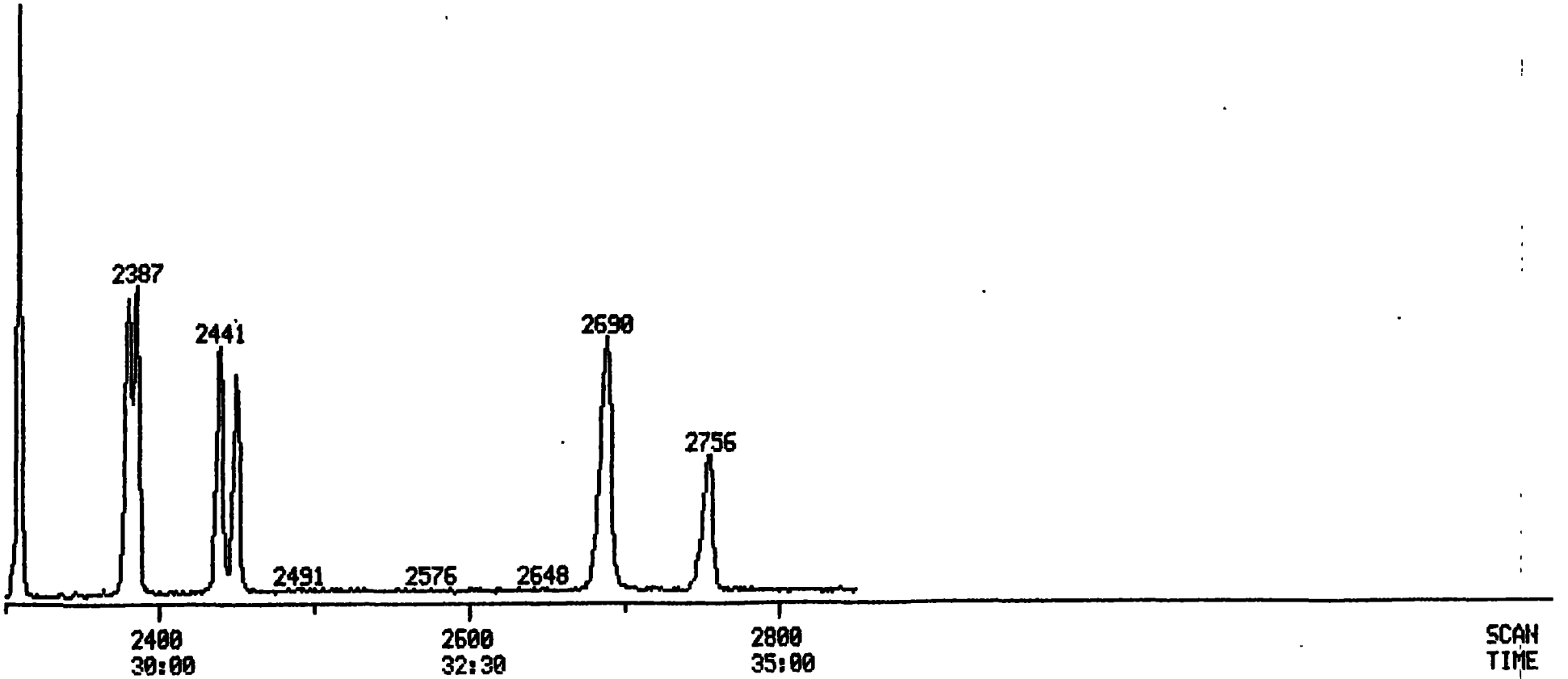


02263

RIC
06/01/88 11:47:00
SAMPLE: 50FPM HSL STD
CONDS.: ST
DATA: STDR961 #4
CALI: 060188CR #4
SCANS 2300 TO 2850
OUT OF 300 TO 2850
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0

129664.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/01/88 12:57:01
DATA FILE: STDR961
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

< ---- STANDARDS ----- >< --- PLUS UNKNOWNS --- >< - LIST NAMES - >								
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	7	7	3	67	ISO1/TCO1
3	3	1	32	18	18	6	80	ISO2/TCO2
3	3	1	32	12	12	2	75	ISO3/TCO3
3	3	2	82	18	18	1	80	ISO4/TCO4
3	3	1	82	10	10	1	97	ISO5/TCO5
3	3	1	193	8	8	2	123	ISO6/TCO6
3	3	1	287	14	14	16	155	ISO7/TCO7
1	1	1	0	4	4	2	68	ISO8/TCO8

77 COMPOUNDS PROCESSED, 77 FOUND

< COMPOUND >< ---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >													
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-716	717	717	.	1	974	.	152	717	.	1
2	S1	2	-518	517	517	.	3	994	.	112	517	.	1
3	S1	3	-667	667	666	-1	1	938	.	99	666	.	1
4	S1	105	-668	668	668	.	1	940	.	94	668	.	1
5	S1	110	-681	681	680	-1	1	979	.	93	680	.	1
6	S1	115	-687	687	687	.	1	988	.	128	687	.	1
7	S1	125	-711	711	711	.	1	989	.	146	710	-1	1
8	S2	1	-955	956	956	.	1	997	.	136	956	.	1
9	S3	1	-1313	1313	1313	.	1	992	.	164	1313	.	1
10	S1	130	-720	720	720	.	1	990	.	146	720	.	1
11	S1	145	-748	748	748	.	1	998	.	108	748	.	1
12	S1	150	-753	753	753	.	1	993	.	146	753	.	1
13	S1	160	-772	772	771	-1	2	985	.	108	771	.	1
14	S1	165	-777	777	776	-1	1	973	.	45	776	.	1
15	S1	185	-799	799	798	-1	1	994	.	108	798	.	1
16	S1	190	-805	805	804	-1	1	1000	.	70	804	.	1
17	S1	200	-809	809	808	-1	1	996	.	117	808	.	1
18	S2	2	-824	824	823	-1	1	997	.	82	823	.	1
19	S2	10	-827	827	827	.	1	997	.	77	827	.	1
20	S2	20	-874	874	872	-2	1	974	.	82	873	1	1
21	S2	25	-887	887	887	.	1	994	.	139	887	.	1
22	S2	30	-898	898	897	-1	1	996	.	107	897	.	1
23	S2	35	-917	917	917	.	1	998	.	93	917	.	1
24	S2	45	-927	927	927	.	3	1000	.	122	927	.	1
25	S2	40	-933	933	932	-1	1	993	.	162	932	.	1
26	S2	55	-949	949	948	-1	1	993	.	180	948	.	1
27	S2	60	-960	960	960	.	1	1000	.	128	960	.	1
28	S2	80	-976	976	976	.	1	983	.	127	976	.	1
29	S2	95	-997	997	996	-1	1	997	.	225	996	.	1
30	S2	130	-1075	1074	1074	.	1	999	.	107	1074	.	1
31	S2	145	-1098	1097	1097	.	1	996	.	142	1097	.	1
32	S3	20	-1144	1143	1143	.	1	995	.	237	1143	.	1
33	S3	25	-1162	1161	1161	.	2	989	.	196	1161	.	1
34	S4	1	-1615	1616	1616	.	2	988	.	188	1616	.	1
35	S3	30	-1169	1168	1168	.	1	989	.	196	1168	.	1
36	S3	3	-1178	1177	1177	.	1	997	.	172	1177	.	1
37	S3	40	-1196	1195	1195	.	1	998	.	162	1195	.	1
38	S3	45	-1226	1225	1225	.	1	997	.	65	1225	.	1
39	S3	55	-1273	1272	1272	.	1	976	.	163	1272	.	1
40	S3	65	-1282	1281	1281	.	1	997	.	152	1281	.	1
41	S3	70	-1286	1285	1285	.	1	995	.	165	1284	-1	1

43	S3	80	-1321	1320	1320	.	1	989	.	153	1320	.	1
44	S3	85	-1332	1331	1331	.	1	982	.	184	1331	.	1
45	S3	95	-1349	1348	1347	-1	1	990	.	109	1347	.	1
46	S3	90	-1353	1352	1352	.	1	960	.	168	1352	.	1
47	S3	105	-1365	1364	1364	.	1	992	.	165	1364	.	1
48	S3	130	-1419	1418	1418	.	1	957	.	149	1418	.	1
49	S3	135	-1425	1424	1423	-1	1	993	.	166	1423	.	1
50	S3	140	-1426	1425	1425	.	1	982	.	204	1425	.	1
51	S3	150	-1440	1439	1439	.	1	975	.	138	1439	.	1
52	S4	10	-1449	1448	1447	-1	1	963	.	198	1447	.	1
53	S4	15	-1454	1453	1453	.	1	989	.	169	1453	.	1
54	S3	2	-1478	1477	1477	.	1	910	.	330	1477	.	1
55	S4	30	-1526	1525	1525	.	1	986	.	248	1524	-1	1
56	S4	40	-1554	1553	1554	1	1	981	.	284	1553	-1	1
57	S5	1	-2174	2171	2170	-1	1	960	.	240	2170	.	1
58	S4	50	-1593	1592	1591	-1	1	983	.	266	1591	.	1
59	S4	65	-1623	1622	1621	-1	2	957	.	178	1620	-1	1
60	S4	70	-1631	1630	1630	.	1	948	.	178	1630	.	1
61	S4	85	-1754	1752	1754	2	1	942	.	149	1754	.	1
62	S4	110	-1871	1869	1869	.	1	986	.	202	1869	.	1
63	S6	1	-2463	2453	2451	-2	1	992	.	264	2451	.	1
64	S5	15	-1917	1915	1915	.	1	996	.	202	1915	.	1
65	S5	2	-1954	1951	1951	.	1	991	.	244	1951	.	1
66	S5	40	-2067	2063	2063	.	1	988	.	149	2063	.	1
67	S5	55	-2170	2165	2166	1	1	985	.	252	2166	.	1
68	S5	50	-2171	2166	2166	.	1	996	.	228	2166	.	1
69	S5	60	-2180	2175	2176	1	2	997	.	228	2176	.	1
70	S5	65	-2194	2188	2188	.	1	993	.	149	2188	.	1
71	S6	10	-2319	2312	2310	-2	1	999	.	149	2310	.	1
72	S6	15	-2390	2382	2381	-1	2	989	.	252	2381	.	1
73	S6	25	-2396	2388	2387	-1	2	992	.	252	2387	.	1
74	S6	35	-2456	2447	2450	3	2	989	.	252	.	.	.
75	S6	55	-2712	2688	2688	.	2	993	.	276	2687	-1	1
76	S6	60	-2714	2690	2690	.	1	981	.	278	2690	.	1
77	S6	65	-2782	2755	2756	1	1	994	.	276	2755	-1	1

02265

Quantitation Report File: STDR961

02266

Data: STDR961.TI
06/01/88 11:47:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
3	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
4	C315	PHENOL	94	S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
13	C355	2-METHYLPHENOL	108	S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
15	C365	4-METHYLPHENOL	108	S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
19	C410	NITROBENZENE	77	S2# 10	98-95-3
20	C415	ISOPHORONE	82	S2# 20	75-59-1
21	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
24	C430	BENZOIC ACID	122	S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
27	C450	NAPHTHALENE	128	S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
38	C530	2-NITROANALINE	65	S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
42	C545	3-NITROANILINE	138	S3# 75	99-09-2
43	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168	S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2

02267

No	Name			
48	C580	DIETHYLPHTHALATE	149 S3#130	84-66-2
49	C590	FLUORENE	166 S3#135	86-73-7
50	C585	4-CHLOROPHENYL-PHENYLE	204 S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	717	8:58	1	1.000	A BV	23082.	40.000	UG/ML	0.98
2	112	517	6:28	1	0.721	A BB	82107.	100.985	UG/ML	2.48
3	99	666	8:19	1	0.929	A BB	116912.	106.330	UG/ML	2.61
4	94	668	8:21	1	0.932	A BV	65256.	54.242	UG/ML	1.33
5	93	680	8:30	1	0.948	A VV	48245.	53.878	UG/ML	1.32
6	128	687	8:35	1	0.958	A BB	40586.	51.452	UG/ML	1.26
7	146	710	8:52	1	0.990	A BV	44002.	50.164	UG/ML	1.23
8	136	956	11:57	8	1.000	A BB	88015.	40.000	UG/ML	0.98
9	164	1313	16:25	9	1.000	A BB	41348.	40.000	UG/ML	0.98
10	146	720	9:00	1	1.004	A VB	45134.	49.497	UG/ML	1.22
11	108	748	9:21	1	1.043	A BB	26527.	52.624	UG/ML	1.29
12	146	753	9:25	1	1.050	A BB	42491.	50.226	UG/ML	1.23
13	108	771	9:38	1	1.075	A BB	37529.	53.914	UG/ML	1.32
14	45	776	9:42	1	1.082	A BV	74028.	50.793	UG/ML	1.25
15	108	798	9:58	1	1.113	A BB	40073.	53.492	UG/ML	1.31
16	70	804	10:03	1	1.121	A BB	36290.	56.107	UG/ML	1.38
17	117	808	10:06	1	1.127	A BB	17345.	52.038	UG/ML	1.28
18	82	823	10:17	8	0.861	A BB	48624.	52.206	UG/ML	1.28
19	77	827	10:20	8	0.865	A BB	48823.	51.021	UG/ML	1.25
20	82	873	10:55	8	0.913	A BB	92232.	53.553	UG/ML	1.32
21	139	887	11:05	8	0.928	A BB	21971.	48.973	UG/ML	1.20
22	107	897	11:13	8	0.938	A BB	35863.	52.263	UG/ML	1.28
23	93	917	11:28	8	0.959	A BV	53840.	52.094	UG/ML	1.28
24	122	927	11:35	8	0.970	A BB	17773.	66.113	UG/ML	1.62
25	162	932	11:39	8	0.975	A BB	30909.	48.221	UG/ML	1.18
26	180	948	11:51	8	0.992	A BB	32594.	49.158	UG/ML	1.21
27	128	960	12:00	8	1.004	A BV	116643.	50.125	UG/ML	1.23
28	127	976	12:12	8	1.021	A BV	48330.	51.055	UG/ML	1.25
29	225	996	12:27	8	1.042	A BB	16247.	50.106	UG/ML	1.23
30	107	1074	13:25	8	1.123	A BB	34030.	51.551	UG/ML	1.27
31	142	1097	13:43	8	1.147	A BB	69757.	50.717	UG/ML	1.25
32	237	1143	14:17	9	0.871	A BB	15928.	54.284	UG/ML	1.33
33	196	1161	14:31	9	0.884	A BV	19996.	46.746	UG/ML	1.15
34	188	1616	20:12	34	1.000	A BB	67378.	40.000	UG/ML	0.98
35	196	1168	14:36	9	0.890	A VB	20448.	53.530	UG/ML	1.32
36	172	1177	14:43	9	0.896	A BB	72481.	53.645	UG/ML	1.32
37	162	1195	14:56	9	0.910	A BB	66750.	51.705	UG/ML	1.27
38	65	1225	15:19	9	0.933	A BB	28715.	54.717	UG/ML	1.34
39	163	1272	15:54	9	0.969	A BB	75603.	50.488	UG/ML	1.24
40	152	1281	16:01	9	0.976	A BV	106922.	51.739	UG/ML	1.27
41	165	1284	16:03	9	0.978	A VB	19160.	51.635	UG/ML	1.27
42	138	1311	16:23	9	0.998	A BB	21895.	52.535	UG/ML	1.29
43	153	1320	16:30	9	1.005	A BB	63109.	49.515	UG/ML	1.22
44	184	1331	16:38	9	1.014	A BB	9746.	49.060	UG/ML	1.21
45	109	1347	16:50	9	1.026	A BB	9240.	55.407	UG/ML	1.36
46	168	1352	16:54	9	1.030	A BB	92300.	51.023	UG/ML	1.25
47	165	1364	17:03	9	1.039	A BB	23807.	50.628	UG/ML	1.24
48	149	1418	17:43	9	1.080	A VB	75072.	50.601	UG/ML	1.24
49	166	1423	17:47	9	1.084	A BB	74307.	50.310	UG/ML	1.24
50	204	1425	17:49	9	1.085	A BB	32248.	49.767	UG/ML	1.22

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:28	1.00	0.722	1.00	100.99	100.00	1.423	1.409	1.01
3	8:20	1.00	0.930	1.00	106.33	100.00	2.026	1.905	1.06
4	8:21	1.00	0.932	1.00	54.24	50.00	2.262	2.085	1.08
5	8:31	1.00	0.950	1.00	53.88	50.00	1.672	1.552	1.08
6	8:35	1.00	0.958	1.00	51.45	50.00	1.407	1.367	1.03
7	8:53	1.00	0.992	1.00	50.16	50.00	1.525	1.520	1.00
8	11:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	9:00	1.00	1.004	1.00	49.50	50.00	1.564	1.580	0.99
11	9:21	1.00	1.043	1.00	52.62	50.00	0.919	0.874	1.05
12	9:25	1.00	1.050	1.00	50.23	50.00	1.473	1.466	1.00
13	9:39	1.00	1.077	1.00	53.91	50.00	1.301	1.206	1.08
14	9:43	1.00	1.084	1.00	50.79	50.00	2.566	2.526	1.02
15	9:59	1.00	1.114	1.00	53.49	50.00	1.389	1.298	1.07
16	10:04	1.00	1.123	1.00	56.11	50.00	1.258	1.121	1.12
17	10:07	1.00	1.128	1.00	52.04	50.00	0.601	0.578	1.04
18	10:18	1.00	0.862	1.00	52.21	50.00	0.442	0.423	1.04
19	10:20	1.00	0.865	1.00	51.02	50.00	0.444	0.435	1.02
20	10:55	1.00	0.914	1.00	53.55	50.00	0.838	0.783	1.07
21	11:05	1.00	0.928	1.00	48.97	50.00	0.200	0.204	0.98
22	11:13	1.00	0.939	1.00	52.26	50.00	0.326	0.312	1.05
23	11:28	1.00	0.959	1.00	52.09	50.00	0.489	0.470	1.04
24	11:35	1.00	0.970	1.00	66.11	50.00	0.162	0.122	1.32
25	11:40	1.00	0.976	1.00	48.22	50.00	0.281	0.291	0.96
26	11:52	1.00	0.993	1.00	49.16	50.00	0.296	0.301	0.98
27	12:00	1.00	1.004	1.00	50.12	50.00	1.060	1.058	1.00
28	12:12	1.00	1.021	1.00	51.05	50.00	0.439	0.430	1.02
29	12:28	1.00	1.043	1.00	50.11	50.00	0.148	0.147	1.00
30	13:26	1.00	1.124	1.00	51.55	50.00	0.309	0.300	1.03
31	13:43	1.00	1.149	1.00	50.72	50.00	0.634	0.625	1.01
32	14:18	1.00	0.871	1.00	54.28	50.00	0.308	0.284	1.09
33	14:31	1.00	0.884	1.00	46.75	50.00	0.387	0.414	0.93
34	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:37	1.00	0.890	1.00	53.53	50.00	0.396	0.370	1.07
36	14:43	1.00	0.896	1.00	53.64	50.00	1.402	1.307	1.07
37	14:57	1.00	0.910	1.00	51.71	50.00	1.291	1.249	1.03
38	15:19	1.00	0.933	1.00	54.72	50.00	0.556	0.508	1.09
39	15:55	1.00	0.969	1.00	50.49	50.00	1.463	1.449	1.01
40	16:01	1.00	0.976	1.00	51.74	50.00	2.069	1.999	1.03
41	16:04	1.00	0.979	1.00	51.63	50.00	0.371	0.359	1.03
42	16:24	1.00	0.998	1.00	52.54	50.00	0.424	0.403	1.05
43	16:31	1.00	1.005	1.00	49.52	50.00	1.221	1.233	0.99
44	16:39	1.00	1.014	1.00	49.06	50.00	0.189	0.192	0.98
45	16:52	1.00	1.027	1.00	55.41	50.00	0.179	0.161	1.11
46	16:55	1.00	1.030	1.00	51.02	50.00	1.786	1.750	1.02
47	17:04	1.00	1.039	1.00	50.63	50.00	0.461	0.455	1.01
48	17:44	1.00	1.080	1.00	50.60	50.00	1.452	1.435	1.01
49	17:49	1.00	1.084	1.00	50.31	50.00	1.438	1.429	1.01
50	17:49	1.00	1.085	1.00	49.77	50.00	0.624	0.627	1.00

uantitation Report File: STDR961

ata: STDR961.TI
6/01/88 11:47:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
51	C595	4-NITROANALINE	138 S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198 S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169 S4# 15CC	87-30-6
54	CS55	2,4,6-TRIBROMOPHENOL	330SS3# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248 S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284 S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240IS5# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266 S4# 50	87-86-5
59	C640	PHENANTHRENE	178 S4# 65	85-01-8
60	C645	ANTHRACENE	178 S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149 S4# 85	84-74-2
62	C655	FLUORANTHENE	202 S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164IS6# 01	1520-96-3
64	C715	PYRENE	202 S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244SS5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149 S5# 40	85-68-7
67	C725	3,3'-DICHLOROBENZIDINE	252 S5# 55	91-94-1
68	C730	BENZO(A)ANTHRACENE	228 S5# 50	56-55-3
69	C740	CHRYSENE	228 S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149 S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252 S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252 S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252 S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276 S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278 S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276 S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	138	1439	17:59	9	1.096	A VB	18661.	47.283 UG/ML	1.16
52	198	1447	18:05	34	0.895	A BB	13689.	53.840 UG/ML	1.32
53	169	1453	18:10	34	0.899	A BB	50937.	52.558 UG/ML	1.29
54	330	1477	18:28	9	1.125	A BB	16416.	107.180 UG/ML	2.63
55	248	1524	19:03	34	0.943	A BV	17824.	55.056 UG/ML	1.35
56	284	1553	19:25	34	0.961	A BB	19750.	58.175 UG/ML	1.43
57	240	2170	27:07	57	1.000	A BB	49327.	40.000 UG/ML	0.98
58	266	1591	19:53	34	0.985	A BV	12202.	57.948 UG/ML	1.42
59	178	1620	20:15	34	1.002	A BV	95648.	49.255 UG/ML	1.21
60	178	1630	20:22	34	1.009	A VB	96286.	54.051 UG/ML	1.33
61	149	1754	21:55	34	1.085	A VB	125679.	51.484 UG/ML	1.27
62	202	1869	23:22	34	1.157	A BB	89043.	55.441 UG/ML	1.36
63	264	2451	30:38	63	1.000	A BB	36403.	40.000 UG/ML	0.98
64	202	1915	23:56	57	0.882	A BB	87662.	47.857 UG/ML	1.18
65	244	1951	24:23	57	0.899	A BB	66101.	49.048 UG/ML	1.21
66	149	2063	25:47	57	0.951	A BB	50430.	50.560 UG/ML	1.24

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	2166	27:04	57	0.998	A BB	50052.	100.754	UG/ML	2.48
68	228	2166	27:04	57	0.998	A BV	76251.	50.468	UG/ML	1.24
69	228	2176	27:12	57	1.003	A VB	58479.	52.018	UG/ML	1.28
70	149	2188	27:21	57	1.008	A VB	69591.	49.966	UG/ML	1.23
71	149	2310	28:52	63	0.942	A BB	114187.	51.822	UG/ML	1.27
72	252	2381	29:46	63	0.971	A BV	62697.	50.273	UG/ML	1.24
73	252	2387	29:50	63	0.974	A VB	56875.	46.998	UG/ML	1.15
74	NOT	FOUND								
75	276	2687	33:35	63	1.096	A BB	50904.	47.091	UG/ML	1.16
76	278	2690	33:37	63	1.098	A BB	41060.	52.795	UG/ML	1.30
77	276	2755	34:26	63	1.124	A BB	41957.	47.561	UG/ML	1.17

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:00	1.00	1.096	1.00	47.28	50.00	0.361	0.382	0.95
52	18:07	1.00	0.897	1.00	53.84	50.00	0.163	0.151	1.08
53	18:10	1.00	0.900	1.00	52.56	50.00	0.605	0.575	1.05
54	18:28	1.00	1.125	1.00	107.18	100.00	0.159	0.148	1.07
55	19:04	1.00	0.944	1.00	55.06	50.00	0.212	0.192	1.10
56	19:25	1.00	0.962	1.00	58.17	50.00	0.235	0.202	1.16
57	27:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:55	1.00	0.986	1.00	57.95	50.00	0.145	0.125	1.16
59	20:17	1.00	1.004	1.00	49.25	50.00	1.136	1.153	0.99
60	20:23	1.00	1.009	1.00	54.05	50.00	1.143	1.058	1.08
61	21:55	1.00	1.085	1.00	51.48	50.00	1.492	1.449	1.03
62	23:23	1.00	1.158	1.00	55.44	50.00	1.057	0.953	1.11
63	30:48	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:58	1.00	0.881	1.00	47.86	50.00	1.422	1.485	0.96
65	24:25	1.00	0.898	1.00	49.05	50.00	1.072	1.093	0.98
66	25:50	1.00	0.950	1.00	50.56	50.00	0.818	0.809	1.01
67	27:07	1.00	0.998	1.00	100.75	100.00	0.406	0.403	1.01
68	27:08	1.00	0.998	1.00	50.47	50.00	1.237	1.225	1.01
69	27:15	1.00	1.002	1.00	52.02	50.00	0.948	0.912	1.04
70	27:25	1.00	1.009	1.00	49.97	50.00	1.129	1.129	1.00
71	28:59	1.00	0.941	1.00	51.82	50.00	2.509	2.421	1.04
72	29:52	1.00	0.970	1.00	50.27	50.00	1.378	1.370	1.01
73	29:57	1.00	0.972	1.00	47.00	50.00	1.250	1.330	0.94
74	30:42		0.997						
75	33:54	0.99	1.101	1.00	47.09	50.00	1.119	1.188	0.94
76	33:55	0.99	1.101	1.00	52.79	50.00	0.902	0.855	1.06
77	34:46	0.99	1.129	1.00	47.56	50.00	0.922	0.969	0.95

TCA FINISHED, 77 FOUND
FINISHED AT: 6/01/88 13:05:32

RMAL QUANTITATION SUMMARY FILE: STDR961
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1 CI30	1,4-DICHLOROBENZENE	152	717	1	23082.	1.000	40.000
2	S2# 1 CI40	NAPHTHALENE-D8	136	956	2	88015.	1.000	40.000
3	S3# 1 CI50	ACENAPHTHENE-D10	164	1313	3	41348.	1.000	40.000
4	S4# 1 CI60	PHENANTHRENE-D10	188	1616	4	67378.	1.000	40.000
5	S5# 1 CI70	CHRYSENE-D12	240	2170	5	49327.	1.000	40.000
6	S6# 1 CI75	PERYLENE-D12	264	2451	6	36403.	1.000	40.000
7	S2# 2 CS20	NITROBENZENE-D5	82	823	2	48624.	0.442	52.206
8	S3# 3 CS25	2-FLUOROBIPHENYL	172	1177	3	72481.	1.402	53.645
9	S5# 2 CS30	TERPHENYL-D14	244	1951	5	66101.	1.072	49.048
10	S1# 3 CS45	PHENOL-D5	99	666	1	116912.	2.026	106.330
11	S1# 2 CS50	2-FLUOROPHENOL	112	517	1	82107.	1.423	100.985
12	S3# 2 CS55	2,4,6-TRIBROMOPHENO	330	1477	3	16416.	0.159	107.180
13	S1#105 C315	PHENOL	94	668	1	65256.	2.262	54.242
14	S1#110 C325	BIS(2-CHLOROETHYL)E	93	680	1	48245.	1.672	53.878
15	S1#115 C330	2-CHLOROPHENOL	128	687	1	40586.	1.407	51.452
16	S1#125 C335	1,3-DICHLOROBENZENE	146	710	1	44002.	1.525	50.164
17	S1#130 C340	1,4-DICHLOROBENZENE	146	720	1	45134.	1.564	49.497
18	S1#145 C345	BENZYL ALCOHOL	108	748	1	26527.	0.919	52.624
19	S1#150 C350	1,2-DICHLOROBENZENE	146	753	1	42491.	1.473	50.226
20	S1#160 C355	2-METHYLPHENOL	108	771	1	37529.	1.301	53.914
21	S1#165 C360	BIS(2-CHLOROISOPROP	45	776	1	74028.	2.566	50.793
22	S1#185 C365	4-METHYLPHENOL	108	798	1	40073.	1.389	53.492
23	S1#190 C370	N-NITROSO-DI-N-PROP	70	804	1	36290.	1.258	56.107
24	S1#200 C375	HEXACHLOROETHANE	117	808	1	17345.	0.601	52.038
25	S2# 10 C410	NITROBENZENE	77	827	2	48823.	0.444	51.021
26	S2# 20 C415	ISOPHORONE	82	873	2	92232.	0.838	53.553
27	S2# 25 C420	2-NITROPHENOL	139	887	2	21971.	0.200	48.973
28	S2# 30 C425	2,4-DIMETHYLPHENOL	107	897	2	35863.	0.326	52.263
29	S2# 35 C435	BIS(2-CHLOROETHOXY)	93	917	2	53840.	0.489	52.094
30	S2# 40 C440	2,4-DICHLOROPHENOL	162	932	2	30909.	0.281	48.221
-31	S2# 45 C430	BENZOIC ACID	122	927	2	17773.	0.162	66.113
32	S2# 55 C445	1,2,4-TRICHLOROBENZ	180	948	2	32594.	0.296	49.158
33	S2# 60 C450	NAPHTHALENE	128	960	2	116643.	1.060	50.125
34	S2# 80 C455	4-CHLOROANALINE	127	976	2	48330.	0.439	51.055
35	S2# 95 C460	HEXACHLOROBUTADIENE	225	996	2	16247.	0.148	50.106
36	S2#130 C465	4-CHLORO-3-METHYLPH	107	1074	2	34030.	0.309	51.551
37	S2#145 C470	2-METHYLNAPHTHALENE	142	1097	2	69757.	0.634	50.717
38	S3# 20 C510	HEXACHLOROCYCLOPENT	237	1143	3	15928.	0.308	54.284
39	S3# 25 C515	2,4,6-TRICHLOROPHEN	196	1161	3	19996.	0.387	46.746
40	S3# 30 C520	2,4,5-TRICHLOROPHEN	196	1168	3	20448.	0.396	53.530
41	S3# 40 C525	2-CHLORONAPHTHALENE	162	1195	3	66750.	1.291	51.705
42	S3# 45 C530	2-NITROANALINE	65	1225	3	28715.	0.556	54.717
43	S3# 55 C535	DIMETHYLPHTHALATE	163	1272	3	75603.	1.463	50.489
44	S3# 65 C540	ACENAPHTHYLENE	152	1281	3	106922.	2.069	51.739
45	S3# 70 C543	2,6-DINITROTOLUENE	165	1284	3	19160.	0.371	51.635
46	S3# 75 C545	3-NITROANILINE	138	1311	3	21895.	0.424	52.535
47	S3# 80 C550	ACENAPHTHENE	153	1320	3	63109.	1.221	49.515
48	S3# 85 C555	2,4-DINITROPHENOL	184	1331	3	9746.	0.189	49.060
49	S3# 90 C565	DIBENZOFURAN	168	1352	3	92300.	1.786	51.023
50	S3# 95 C560	4-NITROPHENOL	109	1347	3	9240.	0.179	55.407

52	S3#130	C580	DIETHYLPHTHALATE	149	1418	3	75072.	1.452	50.601	
53	S3#135	C590	FLUORENE	166	1423	3	74307.	1.438	50.310	
54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1425	3	32248.	0.624	49.767	
55	S3#150	C595	4-NITROANALINE	138	1439	3	18661.	0.361	47.283	
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1447	4	13689.	0.163	53.840	
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1453	4	50937.	0.605	52.558	
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1524	4	17824.	0.212	55.056	
59	S4# 40	C630	HEXACHLOROBENZENE	284	1553	4	19750.	0.235	58.175	
60	S4# 50	C635	PENTACHLOROPHENOL	266	1591	4	12202.	0.145	57.948	
61	S4# 65	C640	PHENANTHRENE	178	1620	4	95648.	1.136	49.255	
62	S4# 70	C645	ANTHRACENE	178	1630	4	96286.	1.143	54.051	
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1754	4	125679.	1.492	51.484	
64	S4#110	C655	FLUORANTHENE	202	1869	4	89043.	1.057	55.441	
65	S5# 15	C715	PYRENE	202	1915	5	87662.	1.422	47.857	
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2063	5	50430.	0.818	50.560	
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2166	5	76251.	1.237	50.468	
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2166	5	50052.	0.406	100.754	
69	S5# 60	C740	CHRYSENE	228	2176	5	58479.	0.948	52.018	
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2188	5	69591.	1.129	49.966	
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	114187.	2.509	51.822	
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2381	6	62697.	1.378	50.273	
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2387	6	56875.	1.250	46.998	
74	S6# 35	C775	BENZO(A)PYRENE	252		6	NOT FOUND			
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2687	6	50904.	1.119	47.091	
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2690	6	41060.	0.902	52.795	
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2755	6	41957.	0.922	47.561	

02272

uantitation Report File: STDR961

02273

ata: STDR961.TI
6/01/88 11:47:00
ample: 50PPM HSL STD
onds.: ST
ormula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
32	C450	NAPHTHALENE	128	S2# 60	91-20-3
33	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
34	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
35	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
36	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
37	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
38	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
39	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
40	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
41	C530	2-NITROANALINE	65	S3# 45	88-74-4
42	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
43	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
44	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
45	C545	3-NITROANILINE	138	S3# 75	99-09-2
46	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
47	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5

No	Name			
48	C565	DIBENZOFURAN	168 S3# 90	132-64-9
49	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7
50	C570	2,4-DINITROTOLUENE	165 S3#105	121-14-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	717	8:58	1	1.000	A BV	23082.	40.000 UG/ML	0.97
2	136	956	11:57	2	1.000	A BB	88015.	40.000 UG/ML	0.97
3	164	1313	16:25	3	1.000	A BB	41348.	40.000 UG/ML	0.97
4	188	1616	20:12	4	1.000	A BB	67378.	40.000 UG/ML	0.97
5	240	2170	27:07	5	1.000	A BB	49327.	40.000 UG/ML	0.97
6	264	2451	30:38	6	1.000	A BB	36403.	40.000 UG/ML	0.97
7	82	823	10:17	2	0.861	A BB	48624.	52.206 UG/ML	1.26
8	172	1177	14:43	3	0.896	A BB	72481.	53.645 UG/ML	1.30
9	244	1951	24:23	5	0.899	A BB	66101.	49.048 UG/ML	1.18
10	99	666	8:19	1	0.929	A BB	116912.	106.330 UG/ML	2.57
11	112	517	6:28	1	0.721	A BB	82107.	100.985 UG/ML	2.44
12	330	1477	18:28	3	1.125	A BB	16416.	107.180 UG/ML	2.59
13	94	668	8:21	1	0.932	A BV	65256.	54.242 UG/ML	1.31
14	93	680	8:30	1	0.948	A VV	48245.	53.878 UG/ML	1.30
15	128	687	8:35	1	0.958	A BB	40586.	51.452 UG/ML	1.24
16	146	710	8:52	1	0.990	A BV	44002.	50.164 UG/ML	1.21
17	146	720	9:00	1	1.004	A VB	45134.	49.497 UG/ML	1.19
18	108	748	9:21	1	1.043	A BB	26527.	52.624 UG/ML	1.27
19	146	753	9:25	1	1.050	A BB	42491.	50.226 UG/ML	1.21
20	108	771	9:38	1	1.075	A BB	37529.	53.914 UG/ML	1.30
21	45	776	9:42	1	1.082	A BV	74028.	50.793 UG/ML	1.23
22	108	798	9:58	1	1.113	A BB	40073.	53.492 UG/ML	1.29
23	70	804	10:03	1	1.121	A BB	36290.	56.107 UG/ML	1.35
24	117	808	10:06	1	1.127	A BB	17345.	52.038 UG/ML	1.26
25	77	827	10:20	2	0.865	A BB	48823.	51.021 UG/ML	1.23
26	82	873	10:55	2	0.913	A BB	92232.	53.553 UG/ML	1.29
27	139	887	11:05	2	0.928	A BB	21971.	48.973 UG/ML	1.18
28	107	897	11:13	2	0.938	A BB	35863.	52.263 UG/ML	1.26
29	93	917	11:28	2	0.959	A BV	53840.	52.094 UG/ML	1.26
30	162	932	11:39	2	0.975	A BB	30909.	48.221 UG/ML	1.16
31	180	948	11:51	2	0.992	A BB	32594.	49.158 UG/ML	1.19
32	128	960	12:00	2	1.004	A BV	116643.	50.125 UG/ML	1.21
33	127	976	12:12	2	1.021	A BV	48330.	51.055 UG/ML	1.23
34	225	996	12:27	2	1.042	A BB	16247.	50.106 UG/ML	1.21
35	107	1074	13:25	2	1.123	A BB	34030.	51.551 UG/ML	1.24
36	142	1097	13:43	2	1.147	A BB	69757.	50.717 UG/ML	1.22
37	237	1143	14:17	3	0.871	A BB	15928.	54.284 UG/ML	1.31
38	196	1161	14:31	3	0.884	A BV	19996.	46.746 UG/ML	1.13
39	196	1168	14:36	3	0.890	A VB	20448.	53.530 UG/ML	1.29
40	162	1195	14:56	3	0.910	A BB	66750.	51.705 UG/ML	1.25
41	65	1225	15:19	3	0.933	A BB	28715.	54.717 UG/ML	1.32
42	163	1272	15:54	3	0.969	A BB	75603.	50.488 UG/ML	1.22
43	152	1281	16:01	3	0.976	A BV	106922.	51.739 UG/ML	1.25
44	165	1284	16:03	3	0.978	A VB	19160.	51.635 UG/ML	1.25
45	138	1311	16:23	3	0.998	A BB	21895.	52.535 UG/ML	1.27
46	153	1320	16:30	3	1.005	A BB	63109.	49.515 UG/ML	1.20
47	184	1331	16:38	3	1.014	A BB	9746.	49.060 UG/ML	1.18
48	168	1352	16:54	3	1.030	A BB	92300.	51.023 UG/ML	1.23
49	109	1347	16:50	3	1.026	A BB	9240.	55.407 UG/ML	1.34
50	165	1364	17:03	3	1.039	A BB	23807.	50.628 UG/ML	1.22

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	30:48	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:18	1.00	0.862	1.00	52.21	50.00	0.442	0.423	1.04
8	14:43	1.00	0.896	1.00	53.64	50.00	1.402	1.307	1.07
9	24:25	1.00	0.898	1.00	49.05	50.00	1.072	1.093	0.98
10	8:20	1.00	0.930	1.00	106.33	100.00	2.026	1.905	1.06
11	6:28	1.00	0.722	1.00	100.99	100.00	1.423	1.409	1.01
12	18:28	1.00	1.125	1.00	107.18	100.00	0.159	0.148	1.07
13	8:21	1.00	0.932	1.00	54.24	50.00	2.262	2.085	1.08
14	8:31	1.00	0.950	1.00	53.88	50.00	1.672	1.552	1.08
15	8:35	1.00	0.958	1.00	51.45	50.00	1.407	1.367	1.03
16	8:53	1.00	0.992	1.00	50.16	50.00	1.525	1.520	1.00
17	9:00	1.00	1.004	1.00	49.50	50.00	1.564	1.580	0.99
18	9:21	1.00	1.043	1.00	52.62	50.00	0.919	0.874	1.05
19	9:25	1.00	1.050	1.00	50.23	50.00	1.473	1.466	1.00
20	9:39	1.00	1.077	1.00	53.91	50.00	1.301	1.206	1.08
21	9:43	1.00	1.084	1.00	50.79	50.00	2.566	2.526	1.02
22	9:59	1.00	1.114	1.00	53.49	50.00	1.389	1.298	1.07
23	10:04	1.00	1.123	1.00	56.11	50.00	1.258	1.121	1.12
24	10:07	1.00	1.128	1.00	52.04	50.00	0.601	0.578	1.04
25	10:20	1.00	0.865	1.00	51.02	50.00	0.444	0.435	1.02
26	10:55	1.00	0.914	1.00	53.55	50.00	0.838	0.783	1.07
27	11:05	1.00	0.928	1.00	48.97	50.00	0.200	0.204	0.98
28	11:13	1.00	0.939	1.00	52.26	50.00	0.326	0.312	1.05
29	11:28	1.00	0.959	1.00	52.09	50.00	0.489	0.470	1.04
30	11:40	1.00	0.976	1.00	48.22	50.00	0.281	0.291	0.96
31	11:52	1.00	0.993	1.00	49.16	50.00	0.296	0.301	0.98
32	12:00	1.00	1.004	1.00	50.12	50.00	1.060	1.058	1.00
33	12:12	1.00	1.021	1.00	51.05	50.00	0.439	0.430	1.02
34	12:28	1.00	1.043	1.00	50.11	50.00	0.148	0.147	1.00
35	13:26	1.00	1.124	1.00	51.55	50.00	0.309	0.300	1.03
36	13:43	1.00	1.149	1.00	50.72	50.00	0.634	0.625	1.01
37	14:18	1.00	0.871	1.00	54.28	50.00	0.308	0.284	1.09
38	14:31	1.00	0.884	1.00	46.75	50.00	0.387	0.414	0.93
39	14:37	1.00	0.890	1.00	53.53	50.00	0.396	0.370	1.07
40	14:57	1.00	0.910	1.00	51.71	50.00	1.291	1.249	1.03
41	15:19	1.00	0.933	1.00	54.72	50.00	0.556	0.508	1.09
42	15:55	1.00	0.969	1.00	50.49	50.00	1.463	1.449	1.01
43	16:01	1.00	0.976	1.00	51.74	50.00	2.069	1.999	1.03
44	16:04	1.00	0.979	1.00	51.63	50.00	0.371	0.359	1.03
45	16:24	1.00	0.998	1.00	52.54	50.00	0.424	0.403	1.05
46	16:31	1.00	1.005	1.00	49.52	50.00	1.221	1.233	0.99
47	16:39	1.00	1.014	1.00	49.06	50.00	0.189	0.192	0.98
48	16:55	1.00	1.030	1.00	51.02	50.00	1.786	1.750	1.02
49	16:52	1.00	1.027	1.00	55.41	50.00	0.179	0.161	1.11
50	17:04	1.00	1.039	1.00	50.63	50.00	0.461	0.455	1.01

02276

Quantitation Report File: STDR961

Data: STDR961.TI
06/01/88 11:47:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
51	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
52	C590	FLUORENE	166	S3#135	86-73-7
53	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
54	C595	4-NITROANALINE	138	S3#150	100-01-6
55	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
56	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
57	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
58	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
59	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
60	C640	PHENANTHRENE	178	S4# 65	85-01-8
61	C645	ANTHRACENE	178	S4# 70	120-12-7
62	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
63	C655	FLUORANTHENE	202	S4#110CC	206-44-0
64	C715	PYRENE	202	S5# 15	129-00-0
65	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
66	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
67	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
68	C740	CHRYSENE	228	S5# 60	218-01-9
69	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
70	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
71	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
72	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
73	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
74	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
75	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2
76	C430	BENZOIC ACID	122	S2# 45	65-85-0
77	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	149	1418	17:43	3	1.080	A VB	75072.	50.601 UG/ML	1.22
52	166	1423	17:47	3	1.084	A BB	74307.	50.310 UG/ML	1.21
53	204	1425	17:49	3	1.085	A BB	32248.	49.767 UG/ML	1.20
54	138	1439	17:59	3	1.096	A VB	18661.	47.283 UG/ML	1.14
55	198	1447	18:05	4	0.895	A BB	13689.	53.840 UG/ML	1.30
56	169	1453	18:10	4	0.899	A BB	50937.	52.558 UG/ML	1.27
57	248	1524	19:03	4	0.943	A BV	17824.	55.056 UG/ML	1.33
58	284	1553	19:25	4	0.961	A BB	19750.	58.175 UG/ML	1.40
59	266	1591	19:53	4	0.985	A BV	12202.	57.948 UG/ML	1.40
60	178	1620	20:15	4	1.002	A BV	95648.	49.255 UG/ML	1.19
61	178	1630	20:22	4	1.009	A VB	96286.	54.051 UG/ML	1.30
62	149	1754	21:55	4	1.085	A VB	125679.	51.484 UG/ML	1.24
63	202	1869	23:22	4	1.157	A BB	89043.	55.441 UG/ML	1.34
64	202	1915	23:56	5	0.882	A BB	87662.	47.857 UG/ML	1.16
65	149	2063	25:47	5	0.951	A BB	50430.	50.560 UG/ML	1.22
66	228	2166	27:04	5	0.998	A BV	76251.	50.468 UG/ML	1.22

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	2166	27:04	5	0.998	A BB	50052.	100.754	UG/ML	2.43
68	228	2176	27:12	5	1.003	A VB	58479.	52.018	UG/ML	1.26
69	149	2188	27:21	5	1.008	A VB	69591.	49.966	UG/ML	1.21
70	149	2310	28:52	6	0.942	A BB	114187.	51.822	UG/ML	1.25
71	252	2381	29:46	6	0.971	A BV	62697.	50.273	UG/ML	1.21
72	252	2387	29:50	6	0.974	A VB	56875.	46.998	UG/ML	1.13
73	276	2687	33:35	6	1.096	A BB	50904.	47.091	UG/ML	1.14
74	278	2690	33:37	6	1.098	A BB	41060.	52.795	UG/ML	1.27
75	276	2755	34:26	6	1.124	A BB	41957.	47.561	UG/ML	1.15
76	122	927	11:35	2	0.970	M XX	22594.	84.047	UG/ML	2.03
77	252	2440	30:30	6	0.996	M XX	57172.	54.564	UG/ML	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:44	1.00	1.080	1.00	50.60	50.00	1.452	1.435	1.01
52	17:49	1.00	1.084	1.00	50.31	50.00	1.438	1.429	1.01
53	17:49	1.00	1.085	1.00	49.77	50.00	0.624	0.627	1.00
54	18:00	1.00	1.096	1.00	47.28	50.00	0.361	0.382	0.95
55	18:07	1.00	0.897	1.00	53.84	50.00	0.163	0.151	1.08
56	18:10	1.00	0.900	1.00	52.56	50.00	0.605	0.575	1.05
57	19:04	1.00	0.944	1.00	55.06	50.00	0.212	0.192	1.10
58	19:25	1.00	0.962	1.00	58.17	50.00	0.235	0.202	1.16
59	19:55	1.00	0.986	1.00	57.95	50.00	0.145	0.125	1.16
60	20:17	1.00	1.004	1.00	49.25	50.00	1.136	1.153	0.99
61	20:23	1.00	1.009	1.00	54.05	50.00	1.143	1.058	1.08
62	21:55	1.00	1.085	1.00	51.48	50.00	1.492	1.449	1.03
63	23:23	1.00	1.158	1.00	55.44	50.00	1.057	0.953	1.11
64	23:58	1.00	0.881	1.00	47.86	50.00	1.422	1.485	0.96
65	25:50	1.00	0.950	1.00	50.56	50.00	0.818	0.809	1.01
66	27:08	1.00	0.998	1.00	50.47	50.00	1.237	1.225	1.01
67	27:07	1.00	0.998	1.00	100.75	100.00	0.406	0.403	1.01
68	27:15	1.00	1.002	1.00	52.02	50.00	0.948	0.912	1.04
69	27:25	1.00	1.009	1.00	49.97	50.00	1.129	1.129	1.00
70	28:59	1.00	0.941	1.00	51.82	50.00	2.509	2.421	1.04
71	29:52	1.00	0.970	1.00	50.27	50.00	1.378	1.370	1.01
72	29:57	1.00	0.972	1.00	47.00	50.00	1.250	1.330	0.94
73	33:54	0.99	1.101	1.00	47.09	50.00	1.119	1.188	0.94
74	33:55	0.99	1.101	1.00	52.79	50.00	0.902	0.855	1.06
75	34:46	0.99	1.129	1.00	47.56	50.00	0.922	0.969	0.95
76	11:35	1.00	0.970	1.00	84.05	50.00	0.205	0.122	1.68
77	30:42	0.99	0.997	1.00	54.56	50.00	1.256	1.151	1.09

RMAL QUANTITATION SUMMARY FILE: STDR961
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1 CI30	1,4-DICHLOROBENZENE	152	717	1	23082.	1.000	40.000
2	S2# 1 CI40	NAPHTHALENE-D8	136	956	2	88015.	1.000	40.000
3	S3# 1 CI50	ACENAPHTHENE-D10	164	1313	3	41348.	1.000	40.000
4	S4# 1 CI60	PHENANTHRENE-D10	188	1616	4	67378.	1.000	40.000
5	S5# 1 CI70	CHRYSENE-D12	240	2170	5	49327.	1.000	40.000
6	S6# 1 CI75	PERYLENE-D12	264	2451	6	36403.	1.000	40.000
7	S2# 2 CS20	NITROBENZENE-D5	82	823	2	48624.	0.442	52.206
8	S3# 3 CS25	2-FLUOROBIPHENYL	172	1177	3	72481.	1.402	53.645
9	S5# 2 CS30	TERPHENYL-D14	244	1951	5	66101.	1.072	49.048
10	S1# 3 CS45	PHENOL-D5	99	666	1	116912.	2.026	106.330
11	S1# 2 CS50	2-FLUOROPHENOL	112	517	1	82107.	1.423	100.985
12	S3# 2 CS55	2,4,6-TRIBROMOPHENO	330	1477	3	16416.	0.159	107.180
13	S1#105 C315	PHENOL	94	668	1	65256.	2.262	54.242
14	S1#110 C325	BIS(2-CHLOROETHYL)E	93	680	1	48245.	1.672	53.878
15	S1#115 C330	2-CHLOROPHENOL	128	687	1	40586.	1.407	51.452
16	S1#125 C335	1,3-DICHLOROBENZENE	146	710	1	44002.	1.525	50.164
17	S1#130 C340	1,4-DICHLOROBENZENE	146	720	1	45134.	1.564	49.497
18	S1#145 C345	BENZYL ALCOHOL	108	748	1	26527.	0.919	52.624
19	S1#150 C350	1,2-DICHLOROBENZENE	146	753	1	42491.	1.473	50.226
20	S1#160 C355	2-METHYLPHENOL	108	771	1	37529.	1.301	53.914
21	S1#165 C360	BIS(2-CHLOROISOPROP	45	776	1	74028.	2.566	50.793
22	S1#185 C365	4-METHYLPHENOL	108	798	1	40073.	1.389	53.492
23	S1#190 C370	N-NITROSO-DI-N-PROP	70	804	1	36290.	1.258	56.107
24	S1#200 C375	HEXACHLOROETHANE	117	808	1	17345.	0.601	52.038
25	S2# 10 C410	NITROBENZENE	77	827	2	48823.	0.444	51.021
26	S2# 20 C415	ISOPHORONE	82	873	2	92232.	0.838	53.553
27	S2# 25 C420	2-NITROPHENOL	139	887	2	21971.	0.200	48.973
28	S2# 30 C425	2,4-DIMETHYLPHENOL	107	897	2	35863.	0.326	52.263
29	S2# 35 C435	BIS(2-CHLOROETHOXY)	93	917	2	53840.	0.489	52.094
30	S2# 40 C440	2,4-DICHLOROPHENOL	162	932	2	30909.	0.281	48.221
31	S2# 45 C430	BENZOIC ACID	122	927	2	22594.	0.205	84.047
32	S2# 55 C445	1,2,4-TRICHLOROBENZ	180	948	2	32594.	0.296	49.158
33	S2# 60 C450	NAPHTHALENE	128	960	2	116643.	1.060	50.125
34	S2# 80 C455	4-CHLOROANALINE	127	976	2	48330.	0.439	51.055
35	S2# 95 C460	HEXACHLOROBUTADIENE	225	996	2	16247.	0.148	50.106
36	S2#130 C465	4-CHLORO-3-METHYLPH	107	1074	2	34030.	0.309	51.551
37	S2#145 C470	2-METHYLNAPHTHALENE	142	1097	2	69757.	0.634	50.717
38	S3# 20 C510	HEXACHLOROCYCLOPENT	237	1143	3	15928.	0.308	54.284
39	S3# 25 C515	2,4,6-TRICHLOROPHEN	196	1161	3	19996.	0.387	46.746
40	S3# 30 C520	2,4,5-TRICHLOROPHEN	196	1168	3	20448.	0.396	53.530
41	S3# 40 C525	2-CHLORONAPHTHALENE	162	1195	3	66750.	1.291	51.705
42	S3# 45 C530	2-NITROANALINE	65	1225	3	28715.	0.556	54.717
43	S3# 55 C535	DIMETHYLPHTHALATE	163	1272	3	75603.	1.463	50.489
44	S3# 65 C540	ACENAPHTHYLENE	152	1281	3	106922.	2.069	51.739
45	S3# 70 C543	2,6-DINITROTOLUENE	165	1284	3	19160.	0.371	51.635
46	S3# 75 C545	3-NITROANILINE	138	1311	3	21895.	0.424	52.535
47	S3# 80 C550	ACENAPHTHENE	153	1320	3	63109.	1.221	49.515
48	S3# 85 C555	2,4-DINITROPHENOL	184	1331	3	9746.	0.189	49.060
49	S3# 90 C565	DIBENZOFURAN	168	1352	3	92300.	1.786	51.023
50	S3# 95 C560	4-NITROPHENOL	109	1347	3	9240.	0.179	55.407
51	S3#105 C570	2,4-DINITROTOLUENE	165	1364	3	23807.	0.461	50.628
52	S3#130 C580	DIETHYLPHTHALATE	149	1418	3	75072.	1.452	50.601

54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1425	3	32248.	0.624	49.767
55	S3#150	C595	4-NITROANALINE	138	1439	3	18661.	0.361	47.283
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1447	4	13689.	0.163	53.840
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1453	4	50937.	0.605	52.558
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1524	4	17824.	0.212	55.056
59	S4# 40	C630	HEXACHLOROBENZENE	284	1553	4	19750.	0.235	58.175
60	S4# 50	C635	PENTACHLOROPHENOL	266	1591	4	12202.	0.145	57.948
61	S4# 65	C640	PHENANTHRENE	178	1620	4	95648.	1.136	49.255
62	S4# 70	C645	ANTHRACENE	178	1630	4	96286.	1.143	54.051
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1754	4	125679.	1.492	51.484
64	S4#110	C655	FLUORANTHENE	202	1869	4	89043.	1.057	55.441
65	S5# 15	C715	PYRENE	202	1915	5	87662.	1.422	47.857
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2063	5	50430.	0.818	50.560
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2166	5	76251.	1.237	50.468
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2166	5	50052.	0.406	100.754
69	S5# 60	C740	CHRYSENE	228	2176	5	58479.	0.948	52.018
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2188	5	69591.	1.129	49.966
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	114187.	2.509	51.822
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2381	6	62697.	1.378	50.273
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2387	6	56875.	1.250	46.998
74	S6# 35	C775	BENZO(A)PYRENE	252	2440	6	57172.	1.256	54.564
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2687	6	50904.	1.119	47.091
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2690	6	41060.	0.902	52.795
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2755	6	41957.	0.922	47.561

02270

Quantitation Report File: STDR961

02280

Data: STDR961.TI
06/01/88 11:47:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C430	BENZOIC ACID	122	S2# 45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
33	C450	NAPHTHALENE	128	S2# 60	91-20-3
34	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
42	C530	2-NITROANALINE	65	S3# 45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
46	C545	3-NITROANILINE	138	S3# 75	99-09-2
47	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9

02281

No	Name			
48	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5
49	C565	DIBENZOFURAN	168 S3# 90	132-64-9
50	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	717	8:58	1	1.000	A BV	23082.	40.000 UG/ML	1.00
2	136	956	11:57	2	1.000	A BB	88015.	40.000 UG/ML	1.00
3	164	1313	16:25	3	1.000	A BB	41348.	40.000 UG/ML	1.00
4	188	1616	20:12	4	1.000	A BB	67378.	40.000 UG/ML	1.00
5	240	2170	27:07	5	1.000	A BB	49327.	40.000 UG/ML	1.00
6	264	2451	30:38	6	1.000	A BB	36403.	40.000 UG/ML	1.00
7	82	823	10:17	2	0.861	A BB	48624.	50.000 UG/ML	1.25
8	172	1177	14:43	3	0.896	A BB	72481.	50.000 UG/ML	1.25
9	244	1951	24:23	5	0.899	A BB	66101.	50.000 UG/ML	1.25
10	99	666	8:19	1	0.929	A BB	116912.	100.000 UG/ML	2.51
11	112	517	6:28	1	0.721	A BB	82107.	100.000 UG/ML	2.51
12	330	1477	18:28	3	1.125	A BB	16416.	100.000 UG/ML	2.51
13	94	668	8:21	1	0.932	A BV	65256.	50.000 UG/ML	1.25
14	93	680	8:30	1	0.948	A VV	48245.	50.000 UG/ML	1.25
15	128	687	8:35	1	0.958	A BB	40586.	50.000 UG/ML	1.25
16	146	710	8:52	1	0.990	A BV	44002.	50.000 UG/ML	1.25
17	146	720	9:00	1	1.004	A VB	45134.	50.000 UG/ML	1.25
18	108	748	9:21	1	1.043	A BB	26527.	50.000 UG/ML	1.25
19	146	753	9:25	1	1.050	A BB	42491.	50.000 UG/ML	1.25
20	108	771	9:38	1	1.075	A BB	37529.	50.000 UG/ML	1.25
21	45	776	9:42	1	1.082	A BV	74028.	50.000 UG/ML	1.25
22	108	798	9:58	1	1.113	A BB	40073.	50.000 UG/ML	1.25
23	70	804	10:03	1	1.121	A BB	36290.	50.000 UG/ML	1.25
24	117	808	10:06	1	1.127	A BB	17345.	50.000 UG/ML	1.25
25	77	827	10:20	2	0.865	A BB	48823.	50.000 UG/ML	1.25
26	82	873	10:55	2	0.913	A BB	92232.	50.000 UG/ML	1.25
27	139	887	11:05	2	0.928	A BB	21971.	50.000 UG/ML	1.25
28	107	897	11:13	2	0.938	A BB	35863.	50.000 UG/ML	1.25
29	93	917	11:28	2	0.959	A BV	53840.	50.000 UG/ML	1.25
30	162	932	11:39	2	0.975	A BB	30909.	50.000 UG/ML	1.25
31	122	927	11:35	2	0.970	M XX	22594.	50.000 UG/ML	1.25
32	180	948	11:51	2	0.992	A BB	32594.	50.000 UG/ML	1.25
33	128	960	12:00	2	1.004	A BV	116643.	50.000 UG/ML	1.25
34	127	976	12:12	2	1.021	A BV	48330.	50.000 UG/ML	1.25
35	225	996	12:27	2	1.042	A BB	16247.	50.000 UG/ML	1.25
36	107	1074	13:25	2	1.123	A BB	34030.	50.000 UG/ML	1.25
37	142	1097	13:43	2	1.147	A BB	69757.	50.000 UG/ML	1.25
38	237	1143	14:17	3	0.871	A BB	15928.	50.000 UG/ML	1.25
39	196	1161	14:31	3	0.884	A BV	19996.	50.000 UG/ML	1.25
40	196	1168	14:36	3	0.890	A VB	20448.	50.000 UG/ML	1.25
41	162	1195	14:56	3	0.910	A BB	66750.	50.000 UG/ML	1.25
42	65	1225	15:19	3	0.933	A BB	28715.	50.000 UG/ML	1.25
43	163	1272	15:54	3	0.969	A BB	75603.	50.000 UG/ML	1.25
44	152	1281	16:01	3	0.976	A BV	106922.	50.000 UG/ML	1.25
45	165	1284	16:03	3	0.978	A VB	19160.	50.000 UG/ML	1.25
46	138	1311	16:23	3	0.998	A BB	21895.	50.000 UG/ML	1.25
47	153	1320	16:30	3	1.005	A BB	63109.	50.000 UG/ML	1.25
48	184	1331	16:38	3	1.014	A BB	9746.	50.000 UG/ML	1.25
49	168	1352	16:54	3	1.030	A BB	92300.	50.000 UG/ML	1.25
50	109	1347	16:50	3	1.026	A BB	9240.	50.000 UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	30:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:17	1.00	0.861	1.00	50.00	50.00	0.442	0.442	1.00
8	14:43	1.00	0.896	1.00	50.00	50.00	1.402	1.402	1.00
9	24:23	1.00	0.899	1.00	50.00	50.00	1.072	1.072	1.00
10	8:19	1.00	0.929	1.00	100.00	100.00	2.026	2.026	1.00
11	6:28	1.00	0.721	1.00	100.00	100.00	1.423	1.423	1.00
12	18:28	1.00	1.125	1.00	100.00	100.00	0.159	0.159	1.00
13	8:21	1.00	0.932	1.00	50.00	50.00	2.262	2.262	1.00
14	8:30	1.00	0.948	1.00	50.00	50.00	1.672	1.672	1.00
15	8:35	1.00	0.958	1.00	50.00	50.00	1.407	1.407	1.00
16	8:52	1.00	0.990	1.00	50.00	50.00	1.525	1.525	1.00
17	9:00	1.00	1.004	1.00	50.00	50.00	1.564	1.564	1.00
18	9:21	1.00	1.043	1.00	50.00	50.00	0.919	0.919	1.00
19	9:25	1.00	1.050	1.00	50.00	50.00	1.473	1.473	1.00
20	9:38	1.00	1.075	1.00	50.00	50.00	1.301	1.301	1.00
21	9:42	1.00	1.082	1.00	50.00	50.00	2.566	2.566	1.00
22	9:58	1.00	1.113	1.00	50.00	50.00	1.389	1.389	1.00
23	10:03	1.00	1.121	1.00	50.00	50.00	1.258	1.258	1.00
24	10:06	1.00	1.127	1.00	50.00	50.00	0.601	0.601	1.00
25	10:20	1.00	0.865	1.00	50.00	50.00	0.444	0.444	1.00
26	10:55	1.00	0.913	1.00	50.00	50.00	0.838	0.838	1.00
27	11:05	1.00	0.928	1.00	50.00	50.00	0.200	0.200	1.00
28	11:13	1.00	0.938	1.00	50.00	50.00	0.326	0.326	1.00
29	11:28	1.00	0.959	1.00	50.00	50.00	0.489	0.489	1.00
30	11:39	1.00	0.975	1.00	50.00	50.00	0.281	0.281	1.00
31	11:35	1.00	0.970	1.00	50.00	50.00	0.205	0.205	1.00
32	11:51	1.00	0.992	1.00	50.00	50.00	0.296	0.296	1.00
33	12:00	1.00	1.004	1.00	50.00	50.00	1.060	1.060	1.00
34	12:12	1.00	1.021	1.00	50.00	50.00	0.439	0.439	1.00
35	12:27	1.00	1.042	1.00	50.00	50.00	0.148	0.148	1.00
36	13:25	1.00	1.123	1.00	50.00	50.00	0.309	0.309	1.00
37	13:43	1.00	1.147	1.00	50.00	50.00	0.634	0.634	1.00
38	14:17	1.00	0.871	1.00	50.00	50.00	0.308	0.308	1.00
39	14:31	1.00	0.884	1.00	50.00	50.00	0.387	0.387	1.00
40	14:36	1.00	0.890	1.00	50.00	50.00	0.396	0.396	1.00
41	14:56	1.00	0.910	1.00	50.00	50.00	1.291	1.291	1.00
42	15:19	1.00	0.933	1.00	50.00	50.00	0.556	0.556	1.00
43	15:54	1.00	0.969	1.00	50.00	50.00	1.463	1.463	1.00
44	16:01	1.00	0.976	1.00	50.00	50.00	2.069	2.069	1.00
45	16:03	1.00	0.978	1.00	50.00	50.00	0.371	0.371	1.00
46	16:23	1.00	0.998	1.00	50.00	50.00	0.424	0.424	1.00
47	16:30	1.00	1.005	1.00	50.00	50.00	1.221	1.221	1.00
48	16:38	1.00	1.014	1.00	50.00	50.00	0.189	0.189	1.00
49	16:54	1.00	1.030	1.00	50.00	50.00	1.786	1.786	1.00
50	16:50	1.00	1.026	1.00	50.00	50.00	0.179	0.179	1.00

Quantitation Report File: STDR961

Data: STDR961.TI
06/01/88 11:47:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: -

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
51	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2
52	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
53	C590	FLUORENE	166	S3#135	86-73-7
54	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
55	C595	4-NITROANALINE	138	S3#150	100-01-6
56	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
57	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
58	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
61	C640	PHENANTHRENE	178	S4# 65	85-01-8
62	C645	ANTHRACENE	178	S4# 70	120-12-7
63	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
64	C655	FLUORANTHENE	202	S4#110CC	206-44-0
65	C715	PYRENE	202	S5# 15	129-00-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1364	17:03	3	1.039	A BB	23807.	50.000 UG/ML	1.25
52	149	1418	17:43	3	1.080	A VB	75072.	50.000 UG/ML	1.25
53	166	1423	17:47	3	1.084	A BB	74307.	50.000 UG/ML	1.25
54	204	1425	17:49	3	1.085	A BB	32248.	50.000 UG/ML	1.25
55	138	1439	17:59	3	1.096	A VB	18661.	50.000 UG/ML	1.25
56	198	1447	18:05	4	0.895	A BB	13689.	50.000 UG/ML	1.25
57	169	1453	18:10	4	0.899	A BB	50937.	50.000 UG/ML	1.25
58	248	1524	19:03	4	0.943	A BV	17824.	50.000 UG/ML	1.25
59	284	1553	19:25	4	0.961	A BB	19750.	50.000 UG/ML	1.25
60	266	1591	19:53	4	0.985	A BV	12202.	50.000 UG/ML	1.25
61	178	1620	20:15	4	1.002	A BV	95648.	50.000 UG/ML	1.25
62	178	1630	20:22	4	1.009	A VB	96286.	50.000 UG/ML	1.25
63	149	1754	21:55	4	1.085	A VB	125679.	50.000 UG/ML	1.25
64	202	1869	23:22	4	1.157	A BB	89043.	50.000 UG/ML	1.25
65	202	1915	23:56	5	0.882	A BB	87662.	50.000 UG/ML	1.25
66	149	2063	25:47	5	0.951	A BB	50430.	50.000 UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2166	27:04	5	0.998	A BV	76251.	50.000	UG/ML	1.25
68	252	2166	27:04	5	0.998	A BB	50052.	100.000	UG/ML	2.51
69	228	2176	27:12	5	1.003	A VB	58479.	50.000	UG/ML	1.25
70	149	2188	27:21	5	1.008	A VB	69591.	50.000	UG/ML	1.25
71	149	2310	28:52	6	0.942	A BB	114187.	50.000	UG/ML	1.25
72	252	2381	29:46	6	0.971	A BV	62697.	50.000	UG/ML	1.25
73	252	2387	29:50	6	0.974	A VB	56875.	50.000	UG/ML	1.25
74	252	2440	30:30	6	0.996	M XX	57172.	50.000	UG/ML	1.25
75	276	2687	33:35	6	1.096	A BB	50904.	50.000	UG/ML	1.25
76	278	2690	33:37	6	1.098	A BB	41060.	50.000	UG/ML	1.25
77	276	2755	34:26	6	1.124	A BB	41957.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:03	1.00	1.039	1.00	50.00	50.00	0.461	0.461	1.00
52	17:43	1.00	1.080	1.00	50.00	50.00	1.452	1.452	1.00
53	17:47	1.00	1.084	1.00	50.00	50.00	1.438	1.438	1.00
54	17:49	1.00	1.085	1.00	50.00	50.00	0.624	0.624	1.00
55	17:59	1.00	1.096	1.00	50.00	50.00	0.361	0.361	1.00
56	18:05	1.00	0.895	1.00	50.00	50.00	0.163	0.163	1.00
57	18:10	1.00	0.899	1.00	50.00	50.00	0.605	0.605	1.00
58	19:03	1.00	0.943	1.00	50.00	50.00	0.212	0.212	1.00
59	19:25	1.00	0.961	1.00	50.00	50.00	0.235	0.235	1.00
60	19:53	1.00	0.985	1.00	50.00	50.00	0.145	0.145	1.00
61	20:15	1.00	1.002	1.00	50.00	50.00	1.136	1.136	1.00
62	20:22	1.00	1.009	1.00	50.00	50.00	1.143	1.143	1.00
63	21:55	1.00	1.085	1.00	50.00	50.00	1.492	1.492	1.00
64	23:22	1.00	1.157	1.00	50.00	50.00	1.057	1.057	1.00
65	23:56	1.00	0.882	1.00	50.00	50.00	1.422	1.422	1.00
66	25:47	1.00	0.951	1.00	50.00	50.00	0.818	0.818	1.00
67	27:04	1.00	0.998	1.00	50.00	50.00	1.237	1.237	1.00
68	27:04	1.00	0.998	1.00	100.00	100.00	0.406	0.406	1.00
69	27:12	1.00	1.003	1.00	50.00	50.00	0.948	0.948	1.00
70	27:21	1.00	1.008	1.00	50.00	50.00	1.129	1.129	1.00
71	28:52	1.00	0.942	1.00	50.00	50.00	2.509	2.509	1.00
72	29:46	1.00	0.971	1.00	50.00	50.00	1.378	1.378	1.00
73	29:50	1.00	0.974	1.00	50.00	50.00	1.250	1.250	1.00
74	30:30	1.00	0.996	1.00	50.00	50.00	1.256	1.256	1.00
75	33:35	1.00	1.096	1.00	50.00	50.00	1.119	1.119	1.00
76	33:37	1.00	1.098	1.00	50.00	50.00	0.902	0.902	1.00
77	34:26	1.00	1.124	1.00	50.00	50.00	0.922	0.922	1.00

RMAL QUANTITATION SUMMARY FILE: STDR961
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1 CI30	1,4-DICHLOROBENZENE	152	717	1	23082.	1.000	40.000
2	S2# 1 CI40	NAPHTHALENE-D8	136	956	2	88015.	1.000	40.000
3	S3# 1 CI50	ACENAPHTHENE-D10	164	1313	3	41348.	1.000	40.000
4	S4# 1 CI60	PHENANTHRENE-D10	188	1616	4	67378.	1.000	40.000
5	S5# 1 CI70	CHRYSENE-D12	240	2170	5	49327.	1.000	40.000
6	S6# 1 CI75	PERYLENE-D12	264	2451	6	36403.	1.000	40.000
7	S2# 2 CS20	NITROBENZENE-D5	82	823	2	48624.	0.442	50.000
8	S3# 3 CS25	2-FLUOROBIPHENYL	172	1177	3	72481.	1.402	50.000
9	S5# 2 CS30	TERPHENYL-D14	244	1951	5	66101.	1.072	50.000
10	S1# 3 CS45	PHENOL-D5	99	666	1	116912.	2.026	100.000
11	S1# 2 CS50	2-FLUOROPHENOL	112	517	1	82107.	1.423	100.000
12	S3# 2 CS55	2,4,6-TRIBROMOPHENO	330	1477	3	16416.	0.159	100.000
13	S1#105 C315	PHENOL	94	668	1	65256.	2.262	50.000
14	S1#110 C325	BIS(2-CHLOROETHYL)E	93	680	1	48245.	1.672	50.000
15	S1#115 C330	2-CHLOROPHENOL	128	687	1	40586.	1.407	50.000
16	S1#125 C335	1,3-DICHLOROBENZENE	146	710	1	44002.	1.525	50.000
17	S1#130 C340	1,4-DICHLOROBENZENE	146	720	1	45134.	1.564	50.000
18	S1#145 C345	BENZYL ALCOHOL	108	748	1	26527.	0.919	50.000
19	S1#150 C350	1,2-DICHLOROBENZENE	146	753	1	42491.	1.473	50.000
20	S1#160 C355	2-METHYLPHENOL	108	771	1	37529.	1.301	50.000
21	S1#165 C360	BIS(2-CHLOROISOPROP	45	776	1	74028.	2.566	50.000
22	S1#185 C365	4-METHYLPHENOL	108	798	1	40073.	1.389	50.000
23	S1#190 C370	N-NITROSO-DI-N-PROP	70	804	1	36290.	1.258	50.000
24	S1#200 C375	HEXACHLOROETHANE	117	808	1	17345.	0.601	50.000
25	S2# 10 C410	NITROBENZENE	77	827	2	48823.	0.444	50.000
26	S2# 20 C415	ISOPHORONE	82	873	2	92232.	0.838	50.000
27	S2# 25 C420	2-NITROPHENOL	139	887	2	21971.	0.200	50.000
28	S2# 30 C425	2,4-DIMETHYLPHENOL	107	897	2	35863.	0.326	50.000
29	S2# 35 C435	BIS(2-CHLOROETHOXY)	93	917	2	53840.	0.489	50.000
30	S2# 40 C440	2,4-DICHLOROPHENOL	162	932	2	30909.	0.281	50.000
31	S2# 45 C430	BENZOIC ACID	122	927	2	22594.	0.205	50.000
32	S2# 55 C445	1,2,4-TRICHLOROBENZ	180	948	2	32594.	0.296	50.000
33	S2# 60 C450	NAPHTHALENE	128	960	2	116643.	1.060	50.000
34	S2# 80 C455	4-CHLOROANALINE	127	976	2	48330.	0.439	50.000
35	S2# 95 C460	HEXACHLOROBUTADIENE	225	996	2	16247.	0.148	50.000
36	S2#130 C465	4-CHLORO-3-METHYLPH	107	1074	2	34030.	0.309	50.000
37	S2#145 C470	2-METHYLNAPHTHALENE	142	1097	2	69757.	0.634	50.000
38	S3# 20 C510	HEXACHLOROCYCLOPENT	237	1143	3	15928.	0.308	50.000
39	S3# 25 C515	2,4,6-TRICHLOROPHEN	196	1161	3	19996.	0.387	50.000
40	S3# 30 C520	2,4,5-TRICHLOROPHEN	196	1168	3	20448.	0.396	50.000
41	S3# 40 C525	2-CHLORONAPHTHALENE	162	1195	3	66750.	1.291	50.000
42	S3# 45 C530	2-NITROANALINE	65	1225	3	28715.	0.556	50.000
43	S3# 55 C535	DIMETHYLPHTHALATE	163	1272	3	75603.	1.463	50.000
44	S3# 65 C540	ACENAPHTHYLENE	152	1281	3	106922.	2.069	50.000
45	S3# 70 C543	2,6-DINITROTOLUENE	165	1284	3	19160.	0.371	50.000
46	S3# 75 C545	3-NITROANILINE	138	1311	3	21895.	0.424	50.000
47	S3# 80 C550	ACENAPHTHENE	153	1320	3	63109.	1.221	50.000
48	S3# 85 C555	2,4-DINITROPHENOL	184	1331	3	9746.	0.189	50.000
49	S3# 90 C565	DIBENZOFURAN	168	1352	3	92300.	1.786	50.000
50	S3# 95 C560	4-NITROPHENOL	109	1347	3	9240.	0.179	50.000
51	S3#105 C570	2,4-DINITROTOLUENE	165	1364	3	23807.	0.461	50.000
52	S3#130 C580	DIETHYLPHTHALATE	149	1418	3	75072.	1.452	50.000

					166					
54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1425	3	32248.	0.624	50.000	
55	S3#150	C595	4-NITROANALINE	138	1439	3	18661.	0.361	50.000	
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1447	4	13689.	0.163	50.000	
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1453	4	50937.	0.605	50.000	
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1524	4	17824.	0.212	50.000	
59	S4# 40	C630	HEXACHLOROBENZENE	284	1553	4	19750.	0.235	50.000	
60	S4# 50	C635	PENTACHLOROPHENOL	266	1591	4	12202.	0.145	50.000	
61	S4# 65	C640	PHENANTHRENE	178	1620	4	95648.	1.136	50.000	
62	S4# 70	C645	ANTHRACENE	178	1630	4	96286.	1.143	50.000	
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1754	4	125679.	1.492	50.000	
64	S4#110	C655	FLUORANTHENE	202	1869	4	89043.	1.057	50.000	
65	S5# 15	C715	PYRENE	202	1915	5	87662.	1.422	50.000	
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2063	5	50430.	0.818	50.000	
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2166	5	76251.	1.237	50.000	
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2166	5	50052.	0.406	100.000	
69	S5# 60	C740	CHRYSENE	228	2176	5	58479.	0.948	50.000	
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2188	5	69591.	1.129	50.000	
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	114187.	2.509	50.000	
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2381	6	62697.	1.378	50.000	
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2387	6	56875.	1.250	50.000	
74	S6# 35	C775	BENZO(A)PYRENE	252	2440	6	57172.	1.256	50.000	
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2687	6	50904.	1.119	50.000	
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2690	6	41060.	0.902	50.000	
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2755	6	41957.	0.922	50.000	

02286

6/2/88 7:18:11 SCAN 1 OF 2850
Acquisition started

02287

Acquire Run 0:STDR975 ACQUIRING
06/02/88 7:16:00 + 0:04 Free sectors: 28667 Scan: 5 of 2850
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No: 59434

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 31 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 7 min Int. oven : 275 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

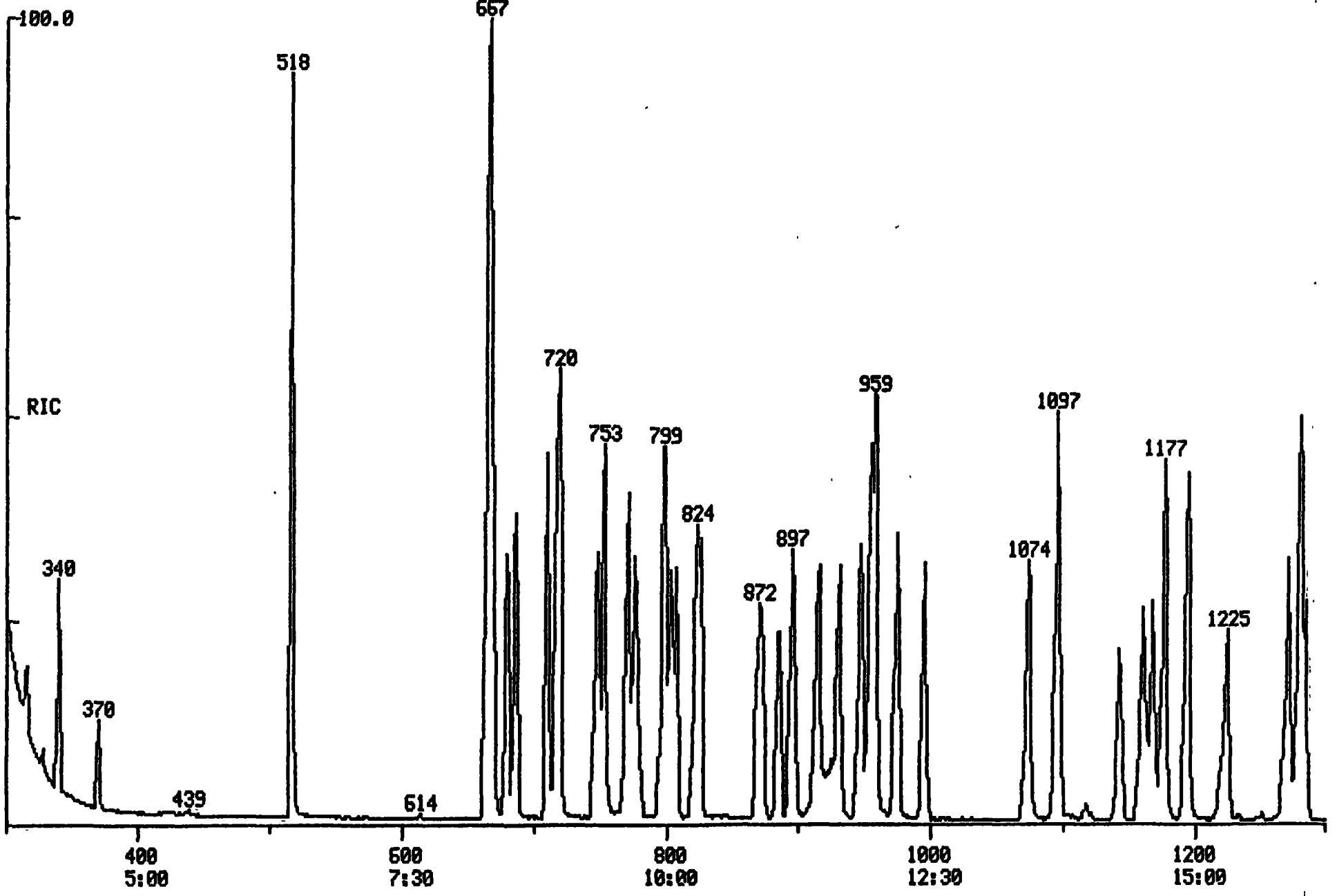
6/2/88 7:53:52
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	465.3	2137.5	21.8	85978.	30. 40.

02288

RIC
06/02/88 7:16:00
SAMPLE: 50PPM HSL STD
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

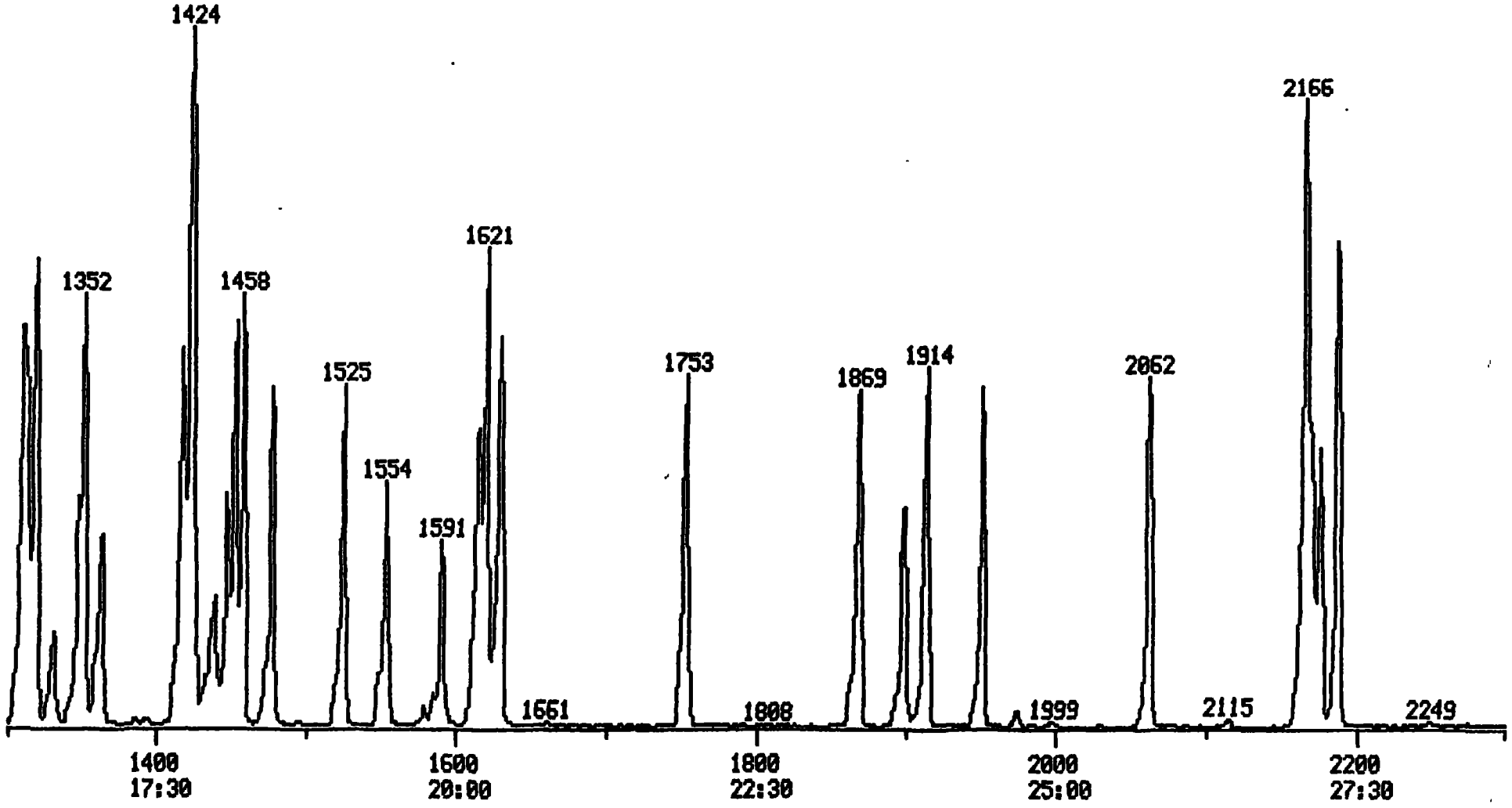
DATA: STDR975 #4 SCANS 300 TO 1300
CALI: 060288CR #5 OUT OF 300 TO 2850



02289

RIC
06/02/88 7:16:00
SAMPLE: 50PPM HSL STD
CONDS.: ST
DATA: STDR975 #4
CALI: 060288CR #5
SCANS 1300 TO 2300
OUT OF 300 TO 2850
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0



02290

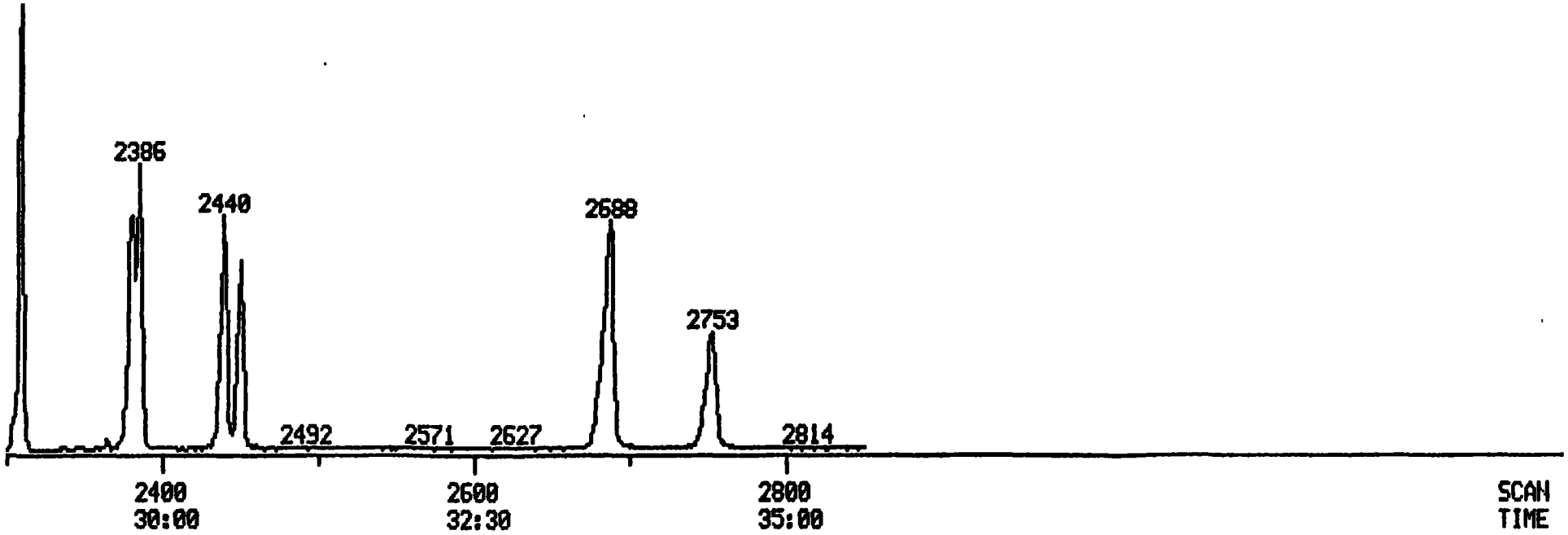
RIC
06/02/88 7:16:00
SAMPLE: 50PPM HSL STD
CONDS.: ST
RANGE: G 1.2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDR975 #4
CALI: 060288CR #5

SCANS 2300 TO 2850
OUT OF 300 TO 2850

100.0

150528.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 7:57:55
DATA FILE: STDR975
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 02291
REPORT: ISO1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES - STANDARD/UNKNOWN
1	1	1	0	7	7	2	47	ISO1/TCO1
3	3	1	0	18	18	4	54	ISO2/TCO2
3	3	1	0	12	12	2	61	ISO3/TCO3
3	3	2	0	18	18	1	47	ISO4/TCO4
3	3	1	0	10	10	4	55	ISO5/TCO5
3	3	1	0	8	8	2	94	ISO6/TCO6
3	3	1	53	14	14	32	72	ISO7/TCO7
1	1	1	0	4	4	1	192	ISO8/TCO8

77 COMPOUNDS PROCESSED, 77 FOUND

COMPOUND NO	COMPOUND LIB	COMPOUND ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/Z	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	S1	1	-716	717	717	.	1	975	.	152	717	.	1
2	S1	2	-517	518	518	.	2	996	.	112	518	.	1
3	S1	3	-666	666	666	.	1	936	.	99	666	.	1
4	S1	105	-668	668	668	.	1	943	.	94	668	.	1
5	S1	110	-680	680	680	.	1	976	.	93	680	.	1
6	S1	115	-687	687	687	.	1	988	.	128	687	.	1
7	S1	125	-710	710	710	.	1	990	.	146	710	.	1
8	S2	1	-955	956	956	.	1	998	.	136	955	-1	1
9	S3	1	-1312	1313	1313	.	1	988	.	164	1313	.	1
10	S1	130	-720	720	720	.	1	992	.	146	720	.	1
11	S1	145	-748	748	748	.	1	996	.	108	748	.	1
12	S1	150	-753	753	753	.	1	994	.	146	753	.	1
13	S1	160	-771	771	771	.	2	988	.	108	771	.	1
14	S1	165	-776	776	776	.	1	978	.	45	776	.	1
15	S1	185	-798	798	798	.	1	993	.	108	798	.	1
16	S1	190	-804	804	804	.	1	997	.	70	804	.	1
17	S1	200	-808	808	808	.	1	996	.	117	808	.	1
18	S2	2	-823	823	823	.	1	999	.	82	823	.	1
19	S2	10	-827	827	827	.	1	995	.	77	827	.	1
20	S2	20	-873	873	872	-1	1	974	.	82	872	.	1
21	S2	25	-887	887	887	.	1	993	.	139	886	-1	1
22	S2	30	-897	897	897	.	1	996	.	107	897	.	1
23	S2	35	-917	917	917	.	1	996	.	93	917	.	1
24	S2	45	-927	927	926	-1	2	998	.	122	926	.	1
25	S2	40	-932	932	932	.	1	994	.	162	932	.	1
26	S2	55	-948	948	948	.	1	990	.	180	948	.	1
27	S2	60	-960	960	959	-1	1	997	.	128	959	.	1
28	S2	80	-976	976	976	.	1	989	.	127	976	.	1
29	S2	95	-996	996	996	.	1	999	.	225	996	.	1
30	S2	130	-1074	1074	1074	.	1	995	.	107	1074	.	1
31	S2	145	-1097	1097	1097	.	1	994	.	142	1097	.	1
32	S3	20	-1143	1143	1143	.	1	996	.	237	1143	.	1
33	S3	25	-1161	1161	1161	.	2	985	.	196	1161	.	1
34	S4	1	-1615	1616	1616	.	2	988	.	188	1616	.	1
35	S3	30	-1168	1168	1168	.	1	990	.	196	1168	.	1
36	S3	3	-1177	1177	1177	.	1	998	.	172	1177	.	1
37	S3	40	-1195	1195	1195	.	1	997	.	162	1195	.	1
38	S3	45	-1225	1225	1225	.	1	995	.	65	1225	.	1
39	S3	55	-1272	1272	1272	.	1	975	.	163	1272	.	1
40	S3	65	-1281	1281	1281	.	1	995	.	152	1281	.	1
41	S3	70	-1284	1284	1285	1	1	994	.	165	1285	.	1

43	S3	80	-1320	1320	1320	.	1	993	.	153	1320	.	1
44	S3	85	-1331	1331	1331	.	1	982	.	184	1331	.	1
45	S3	95	-1347	1347	1348	1	1	978	.	109	1348	.	1
46	S3	90	-1352	1352	1352	.	1	959	.	168	1352	.	1
47	S3	105	-1364	1364	1364	.	1	991	.	165	1363	-1	1
48	S3	130	-1418	1418	1418	.	1	961	.	149	1418	.	1
49	S3	135	-1423	1423	1423	.	1	995	.	166	1423	.	1
50	S3	140	-1425	1425	1425	.	1	979	.	204	1425	.	1
51	S3	150	-1439	1439	1439	.	1	979	.	138	1438	-1	1
52	S4	10	-1447	1447	1447	.	2	960	.	198	1447	.	1
53	S4	15	-1453	1453	1453	.	1	982	.	169	1452	-1	1
54	S3	2	-1477	1477	1477	.	1	986	.	330	1477	.	1
55	S4	30	-1524	1524	1525	1	1	989	.	248	1525	.	1
56	S4	40	-1553	1553	1554	1	2	987	.	284	1554	.	1
57	S5	1	-2169	2170	2170	.	1	957	.	240	2170	.	1
58	S4	50	-1591	1591	1591	.	2	987	.	266	1591	.	1
59	S4	65	-1620	1620	1621	1	1	953	.	178	1621	.	1
60	S4	70	-1630	1630	1630	.	1	948	.	178	1630	.	1
61	S4	85	-1754	1754	1753	-1	1	940	.	149	1753	.	1
62	S4	110	-1869	1869	1868	-1	1	987	.	202	1868	.	1
63	S6	1	-2450	2450	2450	.	1	991	.	264	2450	.	1
64	S5	15	-1915	1915	1914	-1	2	996	.	202	1914	.	1
65	S5	2	-1951	1951	1951	.	1	991	.	244	1951	.	1
66	S5	40	-2063	2063	2062	-1	1	990	.	149	2062	.	1
67	S5	55	-2166	2166	2165	-1	1	983	.	252	2165	.	1
68	S5	50	-2166	2166	2166	.	2	994	.	228	2166	.	1
69	S5	60	-2176	2176	2176	.	1	996	.	228	2176	.	1
70	S5	65	-2188	2188	2187	-1	1	993	.	149	2187	.	1
71	S6	10	-2310	2310	2310	.	1	997	.	149	2310	.	1
72	S6	15	-2381	2381	2380	-1	2	991	.	252	2380	.	1
73	S6	25	-2387	2387	2386	-1	2	994	.	252	2386	.	1
74	S6	35	-2440	2439	2440	1	2	990	.	252	2440	.	1
75	S6	55	-2687	2686	2688	2	1	984	.	276	2686	-2	1
76	S6	60	-2690	2689	2688	-1	1	974	.	278	2689	1	1
77	S6	65	-2755	2753	2752	-1	1	991	.	276	2753	1	1

02292

Quantitation Report File: STDR975

02293

Data: STDR975.TI
06/02/88 7:16:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: 59434

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
3	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
4	C315	PHENOL	94	S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
13	C355	2-METHYLPHENOL	108	S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
15	C365	4-METHYLPHENOL	108	S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
19	C410	NITROBENZENE	77	S2# 10	98-95-3
20	C415	ISOPHORONE	82	S2# 20	75-59-1
21	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
24	C430	BENZOIC ACID	122	S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
27	C450	NAPHTHALENE	128	S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
38	C530	2-NITROANALINE	65	S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
42	C545	3-NITROANILINE	138	S3# 75	99-09-2
43	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168	S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2

No	Name			
48	C580	DIETHYLPHTHALATE	149 S3#130	84-66-2
49	C590	FLUORENE	166 S3#135	86-73-7
50	C585	4-CHLOROPHENYL-PHENYLE	204 S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	717	8:58	1	1.000	A BV	26676.	40.000 UG/ML	1.03
2	112	518	6:28	1	0.722	A BB	97838.	103.106 UG/ML	2.65
3	99	666	8:19	1	0.929	A BB	135886.	100.570 UG/ML	2.58
4	94	668	8:21	1	0.932	A BV	75409.	49.995 UG/ML	1.28
5	93	680	8:30	1	0.948	A VV	57300.	51.384 UG/ML	1.32
6	128	687	8:35	1	0.958	A BV	47018.	50.120 UG/ML	1.29
7	146	710	8:52	1	0.990	A BV	51229.	50.370 UG/ML	1.29
8	136	955	11:56	8	1.000	A BB	101262.	40.000 UG/ML	1.03
9	164	1313	16:25	9	1.000	A BB	47480.	40.000 UG/ML	1.03
10	146	720	9:00	1	1.004	A VB	53470.	51.254 UG/ML	1.32
11	108	748	9:21	1	1.043	A BB	30990.	50.543 UG/ML	1.30
12	146	753	9:25	1	1.050	A BB	49500.	50.400 UG/ML	1.29
13	108	771	9:38	1	1.075	A BB	42853.	49.401 UG/ML	1.27
14	45	776	9:42	1	1.082	A BB	86723.	50.683 UG/ML	1.30
15	108	798	9:58	1	1.113	A BB	47422.	51.197 UG/ML	1.32
16	70	804	10:03	1	1.121	A BB	42613.	50.802 UG/ML	1.30
17	117	808	10:06	1	1.127	A BV	20174.	50.320 UG/ML	1.29
18	82	823	10:17	8	0.862	A BB	56747.	50.719 UG/ML	1.30
19	77	827	10:20	8	0.866	A BB	57632.	51.300 UG/ML	1.32
20	82	872	10:54	8	0.913	A BB	106312.	50.093 UG/ML	1.29
21	139	886	11:04	8	0.928	A BB	26179.	51.782 UG/ML	1.33
22	107	897	11:13	8	0.939	A BB	41420.	50.194 UG/ML	1.29
23	93	917	11:28	8	0.960	A BB	62961.	50.821 UG/ML	1.31
24	122	926	11:34	8	0.970	A BB	17331.	33.336 UG/ML	0.86
25	162	932	11:39	8	0.976	A BB	35433.	49.820 UG/ML	1.28
26	180	948	11:51	8	0.993	A BB	37545.	50.060 UG/ML	1.29
27	128	959	11:59	8	1.004	A BV	136087.	50.703 UG/ML	1.30
28	127	976	12:12	8	1.022	A BB	55857.	50.227 UG/ML	1.29
29	225	996	12:27	8	1.043	A BB	18262.	48.849 UG/ML	1.25
30	107	1074	13:25	8	1.125	A BB	39007.	49.815 UG/ML	1.28
31	142	1097	13:43	8	1.149	A BB	80986.	50.455 UG/ML	1.30
32	237	1143	14:17	9	0.871	A BB	17780.	48.605 UG/ML	1.25
33	196	1161	14:31	9	0.884	A BV	25470.	55.463 UG/ML	1.42
34	188	1616	20:12	34	1.000	A BV	73548.	40.000 UG/ML	1.03
35	196	1168	14:36	9	0.890	A VB	20269.	43.160 UG/ML	1.11
36	172	1177	14:43	9	0.896	A BB	83857.	50.377 UG/ML	1.29
37	162	1195	14:56	9	0.910	A BB	77366.	50.468 UG/ML	1.30
38	65	1225	15:19	9	0.933	A BB	30573.	46.360 UG/ML	1.19
39	163	1272	15:54	9	0.969	A BB	85772.	49.399 UG/ML	1.27
40	152	1281	16:01	9	0.976	A BV	122346.	49.824 UG/ML	1.28
41	165	1285	16:04	9	0.979	A VB	20695.	47.031 UG/ML	1.21
42	138	1311	16:23	9	0.998	A BB	22448.	44.642 UG/ML	1.15
43	153	1320	16:30	9	1.005	A BB	72771.	50.209 UG/ML	1.29
44	184	1331	16:38	9	1.014	A BB	8588.	38.371 UG/ML	0.99
45	109	1348	16:51	9	1.027	A BB	8143.	38.373 UG/ML	0.99
46	168	1352	16:54	9	1.030	A BB	105589.	49.812 UG/ML	1.28
47	165	1363	17:02	9	1.038	A BB	25300.	46.272 UG/ML	1.19
48	149	1418	17:43	9	1.080	A BB	85431.	49.551 UG/ML	1.27
49	166	1423	17:47	9	1.084	A BB	84533.	49.535 UG/ML	1.27
50	204	1425	17:49	9	1.085	A BB	37715.	50.923 UG/ML	1.31

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:28	1.00	0.721	1.00	103.11	100.00	1.467	1.423	1.03
3	8:19	1.00	0.929	1.00	100.57	100.00	2.038	2.026	1.01
4	8:21	1.00	0.932	1.00	50.00	50.00	2.261	2.262	1.00
5	8:30	1.00	0.948	1.00	51.38	50.00	1.718	1.672	1.03
6	8:35	1.00	0.958	1.00	50.12	50.00	1.410	1.407	1.00
7	8:52	1.00	0.990	1.00	50.37	50.00	1.536	1.525	1.01
8	11:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	9:00	1.00	1.004	1.00	51.25	50.00	1.604	1.564	1.03
11	9:21	1.00	1.043	1.00	50.54	50.00	0.929	0.919	1.01
12	9:25	1.00	1.050	1.00	50.40	50.00	1.484	1.473	1.01
13	9:38	1.00	1.075	1.00	49.40	50.00	1.285	1.301	0.99
14	9:42	1.00	1.082	1.00	50.68	50.00	2.601	2.566	1.01
15	9:58	1.00	1.113	1.00	51.20	50.00	1.422	1.389	1.02
16	10:03	1.00	1.121	1.00	50.80	50.00	1.278	1.258	1.02
17	10:06	1.00	1.127	1.00	50.32	50.00	0.605	0.601	1.01
18	10:17	1.00	0.861	1.00	50.72	50.00	0.448	0.442	1.01
19	10:20	1.00	0.865	1.00	51.30	50.00	0.455	0.444	1.03
20	10:55	1.00	0.913	1.00	50.09	50.00	0.840	0.838	1.00
21	11:05	1.00	0.928	1.00	51.78	50.00	0.207	0.200	1.04
22	11:13	1.00	0.938	1.00	50.19	50.00	0.327	0.326	1.00
23	11:28	1.00	0.959	1.00	50.82	50.00	0.497	0.489	1.02
24	11:35	1.00	0.970	1.00	33.34	50.00	0.137	0.205	0.67
25	11:39	1.00	0.975	1.00	49.82	50.00	0.280	0.281	1.00
26	11:51	1.00	0.992	1.00	50.06	50.00	0.297	0.296	1.00
27	12:00	1.00	1.004	1.00	50.70	50.00	1.075	1.060	1.01
28	12:12	1.00	1.021	1.00	50.23	50.00	0.441	0.439	1.00
29	12:27	1.00	1.042	1.00	48.85	50.00	0.144	0.148	0.98
30	13:25	1.00	1.123	1.00	49.82	50.00	0.308	0.309	1.00
31	13:43	1.00	1.147	1.00	50.45	50.00	0.640	0.634	1.01
32	14:17	1.00	0.871	1.00	48.61	50.00	0.300	0.308	0.97
33	14:31	1.00	0.884	1.00	55.46	50.00	0.429	0.387	1.11
34	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:36	1.00	0.890	1.00	43.16	50.00	0.342	0.396	0.86
36	14:43	1.00	0.896	1.00	50.38	50.00	1.413	1.402	1.01
37	14:56	1.00	0.910	1.00	50.47	50.00	1.304	1.291	1.01
38	15:19	1.00	0.933	1.00	46.36	50.00	0.515	0.556	0.93
39	15:54	1.00	0.969	1.00	49.40	50.00	1.445	1.463	0.99
40	16:01	1.00	0.976	1.00	49.82	50.00	2.061	2.069	1.00
41	16:03	1.00	0.978	1.00	47.03	50.00	0.349	0.371	0.94
42	16:23	1.00	0.998	1.00	44.64	50.00	0.378	0.424	0.89
43	16:30	1.00	1.005	1.00	50.21	50.00	1.226	1.221	1.00
44	16:38	1.00	1.014	1.00	38.37	50.00	0.145	0.189	0.77
45	16:50	1.00	1.026	1.00	38.37	50.00	0.137	0.179	0.77
46	16:54	1.00	1.030	1.00	49.81	50.00	1.779	1.786	1.00
47	17:03	1.00	1.039	1.00	46.27	50.00	0.426	0.461	0.93
48	17:43	1.00	1.080	1.00	49.55	50.00	1.439	1.452	0.99
49	17:47	1.00	1.084	1.00	49.53	50.00	1.424	1.438	0.99
50	17:49	1.00	1.085	1.00	50.92	50.00	0.635	0.624	1.02

Quantitation Report File: STDR975

02296

Data: STDR975.TI
06/02/88 7:16:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: 59434

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
51	C595	4-NITROANALINE	138 S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198 S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169 S4# 15CC	87-30-6
54	CS55	2,4,6-TRIBROMOPHENOL	330SS3# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248 S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284 S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240IS5# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266 S4# 50	87-86-5
59	C640	PHENANTHRENE	178 S4# 65	85-01-8
60	C645	ANTHRACENE	178 S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149 S4# 85	84-74-2
62	C655	FLUORANTHENE	202 S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164IS6# 01	1520-96-3
64	C715	PYRENE	202 S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244SS5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149 S5# 40	85-68-7
67	C725	3,3'-DICHLOROBENZIDINE	252 S5# 55	91-94-1
68	C730	BENZO(A)ANTHRACENE	228 S5# 50	56-55-3
69	C740	CHRYSENE	228 S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149 S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252 S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252 S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252 S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276 S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278 S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276 S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	138	1438	17:58	9	1.095	A BB	17078.	39.849 UG/ML	1.02
52	198	1447	18:05	34	0.895	A BB	12503.	41.835 UG/ML	1.07
53	169	1452	18:09	34	0.899	A BV	56847.	51.120 UG/ML	1.31
54	330	1477	18:28	9	1.125	A BB	17940.	95.167 UG/ML	2.44
55	248	1525	19:04	34	0.944	A BB	19279.	49.545 UG/ML	1.27
56	284	1554	19:25	34	0.962	A BB	21542.	49.960 UG/ML	1.28
57	240	2170	27:07	57	1.000	A BB	47492.	40.000 UG/ML	1.03
58	266	1591	19:53	34	0.985	A BB	11681.	43.850 UG/ML	1.13
59	178	1621	20:16	34	1.003	A BV	103405.	49.520 UG/ML	1.27
60	178	1630	20:22	34	1.009	A VB	101588.	48.328 UG/ML	1.24
61	149	1753	21:55	34	1.085	A BB	132413.	48.260 UG/ML	1.24
62	202	1868	23:21	34	1.156	A BB	88036.	45.288 UG/ML	1.16
63	264	2450	30:37	63	1.000	A BB	36563.	40.000 UG/ML	1.03
64	202	1914	23:55	57	0.882	A BB	88410.	52.375 UG/ML	1.35
65	244	1951	24:23	57	0.899	A BB	65365.	51.353 UG/ML	1.32
66	149	2062	25:46	57	0.950	A BB	48122.	49.555 UG/ML	1.27

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	2165	27:04	57	0.998	A BB	46586.	96.670	UG/ML	2.48
68	228	2166	27:04	57	0.998	A BV	75475.	51.403	UG/ML	1.32
69	228	2176	27:12	57	1.003	A VB	54946.	48.794	UG/ML	1.25
70	149	2187	27:20	57	1.008	A BB	67654.	50.486	UG/ML	1.30
71	149	2310	28:52	63	0.943	A BB	110276.	48.076	UG/ML	1.23
72	252	2380	29:45	63	0.971	A BV	64004.	50.819	UG/ML	1.31
73	252	2386	29:49	63	0.974	A VB	50901.	44.553	UG/ML	1.14
74	252	2440	30:30	63	0.996	A BB	52538.	45.746	UG/ML	1.18
75	276	2686	33:34	63	1.096	A BB	49317.	48.229	UG/ML	1.24
76	278	2689	33:37	63	1.098	A BB	40425.	49.011	UG/ML	1.26
77	276	2753	34:25	63	1.124	A BB	39436.	46.790	UG/ML	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:59	1.00	1.096	1.00	39.85	50.00	0.288	0.361	0.80
52	18:05	1.00	0.895	1.00	41.84	50.00	0.136	0.163	0.84
53	18:10	1.00	0.899	1.00	51.12	50.00	0.618	0.605	1.02
54	18:28	1.00	1.125	1.00	95.17	100.00	0.151	0.159	0.95
55	19:03	1.00	0.943	1.00	49.54	50.00	0.210	0.212	0.99
56	19:25	1.00	0.961	1.00	49.96	50.00	0.234	0.235	1.00
57	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:53	1.00	0.985	1.00	43.85	50.00	0.127	0.145	0.88
59	20:15	1.00	1.002	1.00	49.52	50.00	1.125	1.136	0.99
60	20:22	1.00	1.009	1.00	48.33	50.00	1.105	1.143	0.97
61	21:55	1.00	1.085	1.00	48.26	50.00	1.440	1.492	0.97
62	23:22	1.00	1.157	1.00	45.29	50.00	0.958	1.057	0.91
63	30:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:56	1.00	0.882	1.00	52.37	50.00	1.489	1.422	1.05
65	24:23	1.00	0.899	1.00	51.35	50.00	1.101	1.072	1.03
66	25:47	1.00	0.951	1.00	49.56	50.00	0.811	0.818	0.99
67	27:04	1.00	0.998	1.00	96.67	100.00	0.392	0.406	0.97
68	27:04	1.00	0.998	1.00	51.40	50.00	1.271	1.237	1.03
69	27:12	1.00	1.003	1.00	48.79	50.00	0.926	0.948	0.98
70	27:21	1.00	1.008	1.00	50.49	50.00	1.140	1.129	1.01
71	28:52	1.00	0.942	1.00	48.08	50.00	2.413	2.509	0.96
72	29:46	1.00	0.971	1.00	50.82	50.00	1.400	1.378	1.02
73	29:50	1.00	0.974	1.00	44.55	50.00	1.114	1.250	0.89
74	30:30	1.00	0.996	1.00	45.75	50.00	1.150	1.256	0.91
75	33:35	1.00	1.096	1.00	48.23	50.00	1.079	1.119	0.96
76	33:37	1.00	1.098	1.00	49.01	50.00	0.884	0.902	0.98
77	34:26	1.00	1.124	1.00	46.79	50.00	0.863	0.922	0.94

TCA FINISHED, 77 FOUND
FINISHED AT: 6/02/88 8:06:18

02298

RMAL QUANTITATION SUMMARY FILE: STDR975
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1#	1	CI30 1,4-DICHLOROBENZENE	152	717	1	26676.	1.000	40.000
2	S2#	1	CI40 NAPHTHALENE-D8	136	955	2	101262.	1.000	40.000
3	S3#	1	CI50 ACENAPHTHENE-D10	164	1313	3	47480.	1.000	40.000
4	S4#	1	CI60 PHENANTHRENE-D10	188	1616	4	73548.	1.000	40.000
5	S5#	1	CI70 CHRYSENE-D12	240	2170	5	47492.	1.000	40.000
6	S6#	1	CI75 PERYLENE-D12	264	2450	6	36563.	1.000	40.000
7	S2#	2	CS20 NITROBENZENE-D5	82	823	2	56747.	0.448	50.719
8	S3#	3	CS25 2-FLUOROBIPHENYL	172	1177	3	83857.	1.413	50.377
9	S5#	2	CS30 TERPHENYL-D14	244	1951	5	65365.	1.101	51.353
10	S1#	3	CS45 PHENOL-D5	99	666	1	135886.	2.038	100.570
11	S1#	2	CS50 2-FLUOROPHENOL	112	518	1	97838.	1.467	103.106
12	S3#	2	CS55 2,4,6-TRIBROMOPHENO	330	1477	3	17940.	0.151	95.167
13	S1#105		C315 PHENOL	94	668	1	75409.	2.261	49.995
14	S1#110		C325 BIS(2-CHLOROETHYL)E	93	680	1	57300.	1.718	51.384
15	S1#115		C330 2-CHLOROPHENOL	128	687	1	47018.	1.410	50.120
16	S1#125		C335 1,3-DICHLOROBENZENE	146	710	1	51229.	1.536	50.370
17	S1#130		C340 1,4-DICHLOROBENZENE	146	720	1	53470.	1.604	51.254
18	S1#145		C345 BENZYL ALCOHOL	108	748	1	30990.	0.929	50.543
19	S1#150		C350 1,2-DICHLOROBENZENE	146	753	1	49500.	1.484	50.400
20	S1#160		C355 2-METHYLPHENOL	108	771	1	42853.	1.285	49.401
21	S1#165		C360 BIS(2-CHLOROISOPROP	45	776	1	86723.	2.601	50.683
22	S1#185		C365 4-METHYLPHENOL	108	798	1	47422.	1.422	51.197
23	S1#190		C370 N-NITROSO-DI-N-PROP	70	804	1	42613.	1.278	50.802
24	S1#200		C375 HEXACHLOROETHANE	117	808	1	20174.	0.605	50.320
25	S2#	10	C410 NITROBENZENE	77	827	2	57632.	0.455	51.300
26	S2#	20	C415 ISOPHORONE	82	872	2	106312.	0.840	50.093
27	S2#	25	C420 2-NITROPHENOL	139	886	2	26179.	0.207	51.783
28	S2#	30	C425 2,4-DIMETHYLPHENOL	107	897	2	41420.	0.327	50.194
29	S2#	35	C435 BIS(2-CHLOROETHOXY)	93	917	2	62961.	0.497	50.821
30	S2#	40	C440 2,4-DICHLOROPHENOL	162	932	2	35433.	0.280	49.820
-31	S2#	45	C430 BENZOIC ACID	122	926	2	17331.	0.137	33.336
32	S2#	55	C445 1,2,4-TRICHLOROBENZ	180	948	2	37545.	0.297	50.060
33	S2#	60	C450 NAPHTHALENE	128	959	2	136087.	1.075	50.703
34	S2#	80	C455 4-CHLOROANALINE	127	976	2	55857.	0.441	50.227
35	S2#	95	C460 HEXACHLOROBUTADIENE	225	996	2	18262.	0.144	48.849
36	S2#130		C465 4-CHLORO-3-METHYLPH	107	1074	2	39007.	0.308	49.815
37	S2#145		C470 2-METHYLNAPHTHALENE	142	1097	2	80986.	0.640	50.455
38	S3#	20	C510 HEXACHLOROCYCLOPENT	237	1143	3	17780.	0.300	48.605
39	S3#	25	C515 2,4,6-TRICHLOROPHEN	196	1161	3	25470.	0.429	55.463
40	S3#	30	C520 2,4,5-TRICHLOROPHEN	196	1168	3	20269.	0.342	43.160
41	S3#	40	C525 2-CHLORONAPHTHALENE	162	1195	3	77366.	1.304	50.468
42	S3#	45	C530 2-NITROANALINE	65	1225	3	30573.	0.515	46.360
43	S3#	55	C535 DIMETHYLPHTHALATE	163	1272	3	85772.	1.445	49.399
44	S3#	65	C540 ACENAPHTHYLENE	152	1281	3	122346.	2.061	49.824
45	S3#	70	C543 2,6-DINITROTOLUENE	165	1285	3	20695.	0.349	47.031
46	S3#	75	C545 3-NITROANILINE	138	1311	3	22448.	0.378	44.642
47	S3#	80	C550 ACENAPHTHENE	153	1320	3	72771.	1.226	50.209
-48	S3#	85	C555 2,4-DINITROPHENOL	184	1331	3	8588.	0.145	38.371
49	S3#	90	C565 DIBENZOFURAN	168	1352	3	105589.	1.779	49.812
-50	S3#	95	C560 4-NITROPHENOL	109	1348	3	8143.	0.137	38.373
					1363		0	426	44.273

52	S3#130	C580	DIETHYLPHTHALATE	149	1418	3	85431.	1.439	49.551	
53	S3#135	C590	FLUORENE	166	1423	3	84533.	1.424	49.535	
54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1425	3	37715.	0.635	50.924	
55	S3#150	C595	4-NITROANALINE	138	1438	3	17078.	0.288	39.849	
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1447	4	12503.	0.136	41.835	
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1452	4	56847.	0.618	51.120	
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1525	4	19279.	0.210	49.545	
59	S4# 40	C630	HEXACHLOROBENZENE	284	1554	4	21542.	0.234	49.960	
60	S4# 50	C635	PENTACHLOROPHENOL	266	1591	4	11681.	0.127	43.850	
61	S4# 65	C640	PHENANTHRENE	178	1621	4	103405.	1.125	49.520	
62	S4# 70	C645	ANTHRACENE	178	1630	4	101588.	1.105	48.328	
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1753	4	132413.	1.440	48.260	
64	S4#110	C655	FLUORANTHENE	202	1868	4	88036.	0.958	45.288	
65	S5# 15	C715	PYRENE	202	1914	5	88410.	1.489	52.375	
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2062	5	48122.	0.811	49.555	
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2166	5	75475.	1.271	51.403	
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2165	5	46586.	0.392	96.670	
69	S5# 60	C740	CHRYSENE	228	2176	5	54946.	0.926	48.794	
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2187	5	67654.	1.140	50.486	
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	110276.	2.413	48.076	
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2380	6	64004.	1.400	50.819	
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2386	6	50901.	1.114	44.553	
74	S6# 35	C775	BENZO(A)PYRENE	252	2440	6	52538.	1.150	45.746	
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2686	6	49317.	1.079	48.229	
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2689	6	40425.	0.885	49.011	
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2753	6	39436.	0.863	46.790	

02299

Quantitation Report File: STDR975

02300

Data: STDR975.TI
06/02/88 7:16:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: 59434

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
32	C450	NAPHTHALENE	128	S2# 60	91-20-3
33	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
34	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
35	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
36	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
37	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
38	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
39	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
40	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
41	C530	2-NITROANALINE	65	S3# 45	88-74-4
42	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
43	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
44	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
45	C545	3-NITROANILINE	138	S3# 75	99-09-2
46	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
47	C565	DIBENZOFURAN	168	S3# 90	132-64-9

No	Name			
48	C570	2,4-DINITROTOLUENE	165 S3#105	121-14-2
49	C580	DIETHYLPHTHALATE	149 S3#130	84-66-2
50	C590	FLUORENE	166 S3#135	86-73-7

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	717	8:58	1	1.000	A BV	26676.	40.000 UG/ML	1.02
2	136	955	11:56	2	1.000	A BB	101262.	40.000 UG/ML	1.02
3	164	1313	16:25	3	1.000	A BB	47480.	40.000 UG/ML	1.02
4	188	1616	20:12	4	1.000	A BV	73548.	40.000 UG/ML	1.02
5	240	2170	27:07	5	1.000	A BB	47492.	40.000 UG/ML	1.02
6	264	2450	30:37	6	1.000	A BB	36563.	40.000 UG/ML	1.02
7	82	823	10:17	2	0.862	A BB	56747.	50.719 UG/ML	1.29
8	172	1177	14:43	3	0.896	A BB	83857.	50.377 UG/ML	1.29
9	244	1951	24:23	5	0.899	A BB	65365.	51.353 UG/ML	1.31
10	99	666	8:19	1	0.929	A BB	135886.	100.570 UG/ML	2.57
11	112	518	6:28	1	0.722	A BB	97838.	103.106 UG/ML	2.63
12	330	1477	18:28	3	1.125	A BB	17940.	95.167 UG/ML	2.43
13	94	668	8:21	1	0.932	A BV	75409.	49.995 UG/ML	1.28
14	93	680	8:30	1	0.948	A VV	57300.	51.384 UG/ML	1.31
15	128	687	8:35	1	0.958	A BV	47018.	50.120 UG/ML	1.28
16	146	710	8:52	1	0.990	A BV	51229.	50.370 UG/ML	1.29
17	146	720	9:00	1	1.004	A VB	53470.	51.254 UG/ML	1.31
18	108	748	9:21	1	1.043	A BB	30990.	50.543 UG/ML	1.29
19	146	753	9:25	1	1.050	A BB	49500.	50.400 UG/ML	1.29
20	108	771	9:38	1	1.075	A BB	42853.	49.401 UG/ML	1.26
21	45	776	9:42	1	1.082	A BB	86723.	50.683 UG/ML	1.29
22	108	798	9:58	1	1.113	A BB	47422.	51.197 UG/ML	1.31
23	70	804	10:03	1	1.121	A BB	42613.	50.802 UG/ML	1.30
24	117	808	10:06	1	1.127	A BV	20174.	50.320 UG/ML	1.28
25	77	827	10:20	2	0.866	A BB	57632.	51.300 UG/ML	1.31
26	82	872	10:54	2	0.913	A BB	106312.	50.093 UG/ML	1.28
27	139	886	11:04	2	0.928	A BB	26179.	51.782 UG/ML	1.32
28	107	897	11:13	2	0.939	A BB	41420.	50.194 UG/ML	1.28
29	93	917	11:28	2	0.960	A BB	62961.	50.821 UG/ML	1.30
30	162	932	11:39	2	0.976	A BB	35433.	49.820 UG/ML	1.27
31	180	948	11:51	2	0.993	A BB	37545.	50.060 UG/ML	1.28
32	128	959	11:59	2	1.004	A BV	136087.	50.703 UG/ML	1.29
33	127	976	12:12	2	1.022	A BB	55857.	50.227 UG/ML	1.28
34	225	996	12:27	2	1.043	A BB	18262.	48.849 UG/ML	1.25
35	107	1074	13:25	2	1.125	A BB	39007.	49.815 UG/ML	1.27
36	142	1097	13:43	2	1.149	A BB	80986.	50.455 UG/ML	1.29
37	237	1143	14:17	3	0.871	A BB	17780.	48.605 UG/ML	1.24
38	196	1161	14:31	3	0.884	A BV	25470.	55.463 UG/ML	1.42
39	196	1168	14:36	3	0.890	A VB	20269.	43.160 UG/ML	1.10
40	162	1195	14:56	3	0.910	A BB	77366.	50.468 UG/ML	1.29
41	65	1225	15:19	3	0.933	A BB	30573.	46.360 UG/ML	1.18
42	163	1272	15:54	3	0.969	A BB	85772.	49.399 UG/ML	1.26
43	152	1281	16:01	3	0.976	A BV	122346.	49.824 UG/ML	1.27
44	165	1285	16:04	3	0.979	A VB	20695.	47.031 UG/ML	1.20
45	138	1311	16:23	3	0.998	A BB	22448.	44.642 UG/ML	1.14
46	153	1320	16:30	3	1.005	A BB	72771.	50.209 UG/ML	1.28
47	168	1352	16:54	3	1.030	A BB	105589.	49.812 UG/ML	1.27
48	165	1363	17:02	3	1.038	A BB	25300.	46.272 UG/ML	1.18
49	149	1418	17:43	3	1.080	A BB	85431.	49.551 UG/ML	1.26
50	166	1423	17:47	3	1.084	A BB	84533.	49.535 UG/ML	1.26

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	30:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:17	1.00	0.861	1.00	50.72	50.00	0.448	0.442	1.01
8	14:43	1.00	0.896	1.00	50.38	50.00	1.413	1.402	1.01
9	24:23	1.00	0.899	1.00	51.35	50.00	1.101	1.072	1.03
10	8:19	1.00	0.929	1.00	100.57	100.00	2.038	2.026	1.01
11	6:28	1.00	0.721	1.00	103.11	100.00	1.467	1.423	1.03
12	18:28	1.00	1.125	1.00	95.17	100.00	0.151	0.159	0.95
13	8:21	1.00	0.932	1.00	50.00	50.00	2.261	2.262	1.00
14	8:30	1.00	0.948	1.00	51.38	50.00	1.718	1.672	1.03
15	8:35	1.00	0.958	1.00	50.12	50.00	1.410	1.407	1.00
16	8:52	1.00	0.990	1.00	50.37	50.00	1.536	1.525	1.01
17	9:00	1.00	1.004	1.00	51.25	50.00	1.604	1.564	1.03
18	9:21	1.00	1.043	1.00	50.54	50.00	0.929	0.919	1.01
19	9:25	1.00	1.050	1.00	50.40	50.00	1.484	1.473	1.01
20	9:38	1.00	1.075	1.00	49.40	50.00	1.285	1.301	0.99
21	9:42	1.00	1.082	1.00	50.68	50.00	2.601	2.566	1.01
22	9:58	1.00	1.113	1.00	51.20	50.00	1.422	1.389	1.02
23	10:03	1.00	1.121	1.00	50.80	50.00	1.278	1.258	1.02
24	10:06	1.00	1.127	1.00	50.32	50.00	0.605	0.601	1.01
25	10:20	1.00	0.865	1.00	51.30	50.00	0.455	0.444	1.03
26	10:55	1.00	0.913	1.00	50.09	50.00	0.840	0.838	1.00
27	11:05	1.00	0.928	1.00	51.78	50.00	0.207	0.200	1.04
28	11:13	1.00	0.938	1.00	50.19	50.00	0.327	0.326	1.00
29	11:28	1.00	0.959	1.00	50.82	50.00	0.497	0.489	1.02
30	11:39	1.00	0.975	1.00	49.82	50.00	0.280	0.281	1.00
31	11:51	1.00	0.992	1.00	50.06	50.00	0.297	0.296	1.00
32	12:00	1.00	1.004	1.00	50.70	50.00	1.075	1.060	1.01
33	12:12	1.00	1.021	1.00	50.23	50.00	0.441	0.439	1.00
34	12:27	1.00	1.042	1.00	48.85	50.00	0.144	0.148	0.98
35	13:25	1.00	1.123	1.00	49.82	50.00	0.308	0.309	1.00
36	13:43	1.00	1.147	1.00	50.45	50.00	0.640	0.634	1.01
37	14:17	1.00	0.871	1.00	48.61	50.00	0.300	0.308	0.97
38	14:31	1.00	0.884	1.00	55.46	50.00	0.429	0.387	1.11
39	14:36	1.00	0.890	1.00	43.16	50.00	0.342	0.396	0.86
40	14:56	1.00	0.910	1.00	50.47	50.00	1.304	1.291	1.01
41	15:19	1.00	0.933	1.00	46.36	50.00	0.515	0.556	0.93
42	15:54	1.00	0.969	1.00	49.40	50.00	1.445	1.463	0.99
43	16:01	1.00	0.976	1.00	49.82	50.00	2.061	2.069	1.00
44	16:03	1.00	0.978	1.00	47.03	50.00	0.349	0.371	0.94
45	16:23	1.00	0.998	1.00	44.64	50.00	0.378	0.424	0.89
46	16:30	1.00	1.005	1.00	50.21	50.00	1.226	1.221	1.00
47	16:54	1.00	1.030	1.00	49.81	50.00	1.779	1.786	1.00
48	17:03	1.00	1.039	1.00	46.27	50.00	0.426	0.461	0.93
49	17:43	1.00	1.080	1.00	49.55	50.00	1.439	1.452	0.99
50	17:47	1.00	1.084	1.00	49.53	50.00	1.424	1.438	0.99

Quantitation Report File: STDR975

02303

Data: STDR975.TI
06/02/88 7:16:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: 59434

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
51	C585	4-CHLOROPHENYL-PHENYLE	204 S3#140	7005-72-3
52	C610	4,6-DINITRO-2-METHYLPH	198 S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169 S4# 15CC	87-30-6
54	C625	4-BROMOPHENYL-PHENYLET	248 S4# 30	101-55-3
55	C630	HEXACHLOROBENZENE	284 S4# 40	118-74-1
56	C635	PENTACHLOROPHENOL	266 S4# 50	87-86-5
57	C640	PHENANTHRENE	178 S4# 65	85-01-8
58	C645	ANTHRACENE	178 S4# 70	120-12-7
59	C650	DI-N-BUTYLPHTHALATE	149 S4# 85	84-74-2
60	C655	FLUORANTHENE	202 S4#110CC	206-44-0
61	C715	PYRENE	202 S5# 15	129-00-0
62	C720	BUTYLBENZYLPHTHALATE	149 S5# 40	85-68-7
63	C730	BENZO(A)ANTHRACENE	228 S5# 50	56-55-3
64	C725	3,3'-DICHLOROBENZIDINE	252 S5# 55	91-94-1
65	C740	CHRYSENE	228 S5# 60	218-01-9
66	C745	BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65	117-81-7
67	C760	DI-N-OCTYL PHTHALATE	149 S6# 10CC	117-84-0
68	C765	BENZO(B)FLUORANTHENE	252 S6# 15	205-99-2
69	C770	BENZO(K)FLUORANTHENE	252 S6# 25	207-08-9
70	C775	BENZO(A)PYRENE	252 S6# 35	50-32-8
71	C780	INDENO(1,2,3-CD)PYRENE	276 S6# 55	193-39-5
72	C785	DIBENZ(A,H)ANTHRACENE	278 S6# 60	53-70-3
73	C790	BENZO(G,H,I)PERYLENE	276 S6# 65	191-24-2
74	C430	BENZOIC ACID	122 S2# 45	65-85-0
75	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5
76	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7
77	C595	4-NITROANALINE	138 S3#150	100-01-6

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	204	1425	17:49	3	1.085	A BB	37715.	50.923 UG/ML	1.30
52	198	1447	18:05	4	0.895	A BB	12503.	41.835 UG/ML	1.07
53	169	1452	18:09	4	0.899	A BV	56847.	51.120 UG/ML	1.30
54	248	1525	19:04	4	0.944	A BB	19279.	49.545 UG/ML	1.26
55	284	1554	19:25	4	0.962	A BB	21542.	49.960 UG/ML	1.28
56	266	1591	19:53	4	0.985	A BB	11681.	43.850 UG/ML	1.12
57	178	1621	20:16	4	1.003	A BV	103405.	49.520 UG/ML	1.26
58	178	1630	20:22	4	1.009	A VB	101588.	48.328 UG/ML	1.23
59	149	1753	21:55	4	1.085	A BB	132413.	48.260 UG/ML	1.23
60	202	1868	23:21	4	1.156	A BB	88036.	45.288 UG/ML	1.16
61	202	1914	23:55	5	0.882	A BB	88410.	52.375 UG/ML	1.34
62	149	2062	25:46	5	0.950	A BB	48122.	49.555 UG/ML	1.26
63	228	2166	27:04	5	0.998	A BV	75475.	51.403 UG/ML	1.31
64	252	2165	27:04	5	0.998	A BB	46586.	96.670 UG/ML	2.47
65	228	2176	27:12	5	1.003	A VB	54946.	48.794 UG/ML	1.25
66	149	2187	27:20	5	1.008	A BB	67654.	50.486 UG/ML	1.29

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	149	2310	28:52	6	0.943	A BB	110276.	48.076	UG/ML	1.23
68	252	2380	29:45	6	0.971	A BV	64004.	50.819	UG/ML	1.30
69	252	2386	29:49	6	0.974	A VB	50901.	44.553	UG/ML	1.14
70	252	2440	30:30	6	0.996	A BB	52538.	45.746	UG/ML	1.17
71	276	2686	33:34	6	1.096	A BB	49317.	48.229	UG/ML	1.23
72	278	2689	33:37	6	1.098	A BB	40425.	49.011	UG/ML	1.25
73	276	2753	34:25	6	1.124	A BB	39436.	46.790	UG/ML	1.19
74	122	926	11:34	2	0.970	M XX	21974.	42.266	UG/ML	1.08
75	184	1331	16:38	3	1.014	M XX	9092.	40.621	UG/ML	1.04
76	109	1348	16:51	3	1.027	M XX	9279.	43.726	UG/ML	1.12
77	138	1438	17:58	3	1.095	M XX	20622.	48.119	UG/ML	1.23

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:49	1.00	1.085	1.00	50.92	50.00	0.635	0.624	1.02
52	18:05	1.00	0.895	1.00	41.84	50.00	0.136	0.163	0.84
53	18:10	1.00	0.899	1.00	51.12	50.00	0.618	0.605	1.02
54	19:03	1.00	0.943	1.00	49.54	50.00	0.210	0.212	0.99
55	19:25	1.00	0.961	1.00	49.96	50.00	0.234	0.235	1.00
56	19:53	1.00	0.985	1.00	43.85	50.00	0.127	0.145	0.88
57	20:15	1.00	1.002	1.00	49.52	50.00	1.125	1.136	0.99
58	20:22	1.00	1.009	1.00	48.33	50.00	1.105	1.143	0.97
59	21:55	1.00	1.085	1.00	48.26	50.00	1.440	1.492	0.97
60	23:22	1.00	1.157	1.00	45.29	50.00	0.958	1.057	0.91
61	23:56	1.00	0.882	1.00	52.37	50.00	1.489	1.422	1.05
62	25:47	1.00	0.951	1.00	49.56	50.00	0.811	0.818	0.99
63	27:04	1.00	0.998	1.00	51.40	50.00	1.271	1.237	1.03
64	27:04	1.00	0.998	1.00	96.67	100.00	0.392	0.406	0.97
65	27:12	1.00	1.003	1.00	48.79	50.00	0.926	0.948	0.98
66	27:21	1.00	1.008	1.00	50.49	50.00	1.140	1.129	1.01
67	28:52	1.00	0.942	1.00	48.08	50.00	2.413	2.509	0.96
68	29:46	1.00	0.971	1.00	50.82	50.00	1.400	1.378	1.02
69	29:50	1.00	0.974	1.00	44.55	50.00	1.114	1.250	0.89
70	30:30	1.00	0.996	1.00	45.75	50.00	1.150	1.256	0.91
71	33:35	1.00	1.096	1.00	48.23	50.00	1.079	1.119	0.96
72	33:37	1.00	1.098	1.00	49.01	50.00	0.884	0.902	0.98
73	34:26	1.00	1.124	1.00	46.79	50.00	0.863	0.922	0.94
74	11:35	1.00	0.970	1.00	42.27	50.00	0.174	0.205	0.85
75	16:38	1.00	1.014	1.00	40.62	50.00	0.153	0.189	0.81
76	16:50	1.00	1.026	1.00	43.73	50.00	0.156	0.179	0.87
77	17:59	1.00	1.096	1.00	48.12	50.00	0.347	0.361	0.96

RMAL QUANTITATION SUMMARY FILE: STDR975 02305
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	717	1	26676.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	955	2	101262.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1313	3	47480.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1616	4	73548.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2170	5	47492.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2450	6	36563.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	823	2	56747.	0.448	50.719
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1177	3	83857.	1.413	50.377
9	S5# 2	CS30 TERPHENYL-D14	244	1951	5	65365.	1.101	51.353
10	S1# 3	CS45 PHENOL-D5	99	666	1	135886.	2.038	100.570
11	S1# 2	CS50 2-FLUOROPHENOL	112	518	1	97838.	1.467	103.106
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1477	3	17940.	0.151	95.167
13	S1#105	C315 PHENOL	94	668	1	75409.	2.261	49.995
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	680	1	57300.	1.718	51.384
15	S1#115	C330 2-CHLOROPHENOL	128	687	1	47018.	1.410	50.120
16	S1#125	C335 1,3-DICHLOROBENZENE	146	710	1	51229.	1.536	50.370
17	S1#130	C340 1,4-DICHLOROBENZENE	146	720	1	53470.	1.604	51.254
18	S1#145	C345 BENZYL ALCOHOL	108	748	1	30990.	0.929	50.543
19	S1#150	C350 1,2-DICHLOROBENZENE	146	753	1	49500.	1.484	50.400
20	S1#160	C355 2-METHYLPHENOL	108	771	1	42853.	1.285	49.401
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	776	1	86723.	2.601	50.683
22	S1#185	C365 4-METHYLPHENOL	108	798	1	47422.	1.422	51.197
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	804	1	42613.	1.278	50.802
24	S1#200	C375 HEXACHLOROETHANE	117	808	1	20174.	0.605	50.320
25	S2# 10	C410 NITROBENZENE	77	827	2	57632.	0.455	51.300
26	S2# 20	C415 ISOPHORONE	82	872	2	106312.	0.840	50.093
27	S2# 25	C420 2-NITROPHENOL	139	886	2	26179.	0.207	51.783
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	897	2	41420.	0.327	50.194
29	S2# 35	C435 BIS(2-CHLOROETHOXY).	93	917	2	62961.	0.497	50.821
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	932	2	35433.	0.280	49.820
31	S2# 45	C430 BENZOIC ACID	122	926	2	21974.	0.174	42.266
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	948	2	37545.	0.297	50.060
33	S2# 60	C450 NAPHTHALENE	128	959	2	136087.	1.075	50.703
34	S2# 80	C455 4-CHLOROANALINE	127	976	2	55857.	0.441	50.227
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	996	2	18262.	0.144	48.849
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1074	2	39007.	0.308	49.815
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1097	2	80986.	0.640	50.455
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1143	3	17780.	0.300	48.605
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1161	3	25470.	0.429	55.463
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1168	3	20269.	0.342	43.160
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1195	3	77366.	1.304	50.468
42	S3# 45	C530 2-NITROANALINE	65	1225	3	30573.	0.515	46.360
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1272	3	85772.	1.445	49.399
44	S3# 65	C540 ACENAPHTHYLENE	152	1281	3	122346.	2.061	49.824
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1285	3	20695.	0.349	47.031
46	S3# 75	C545 3-NITROANILINE	138	1311	3	22448.	0.378	44.642
47	S3# 80	C550 ACENAPHTHENE	153	1320	3	72771.	1.226	50.209
48	S3# 85	C555 2,4-DINITROPHENOL	184	1331	3	9092.	0.153	40.621
49	S3# 90	C565 DIBENZOFURAN	168	1352	3	105589.	1.779	49.812
50	S3# 95	C560 4-NITROPHENOL	109	1348	3	9279.	0.156	43.726
51	S3#105	C570 2,4-DINITROTOLUENE	165	1363	3	25300.	0.426	46.272
52	S3#130	C580 DIETHYLPHTHALATE	149	1418	3	85431.	1.439	49.551

54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1425	3	37715.	0.635	50.924	
55	S3#150	C595	4-NITROANALINE	138	1438	3	20622.	0.347	48.119	
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1447	4	12503.	0.136	41.835	
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1452	4	56847.	0.618	51.120	
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1525	4	19279.	0.210	49.545	
59	S4# 40	C630	HEXACHLOROBENZENE	284	1554	4	21542.	0.234	49.960	
60	S4# 50	C635	PENTACHLOROPHENOL	266	1591	4	11681.	0.127	43.850	
61	S4# 65	C640	PHENANTHRENE	178	1621	4	103405.	1.125	49.520	
62	S4# 70	C645	ANTHRACENE	178	1630	4	101588.	1.105	48.328	
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1753	4	132413.	1.440	48.260	
64	S4#110	C655	FLUORANTHENE	202	1868	4	88036.	0.958	45.288	
65	S5# 15	C715	PYRENE	202	1914	5	88410.	1.489	52.375	
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2062	5	48122.	0.811	49.555	
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2166	5	75475.	1.271	51.403	
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2165	5	46586.	0.392	96.670	
69	S5# 60	C740	CHRYSENE	228	2176	5	54946.	0.926	48.794	
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2187	5	67654.	1.140	50.486	
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	110276.	2.413	48.076	
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2380	6	64004.	1.400	50.819	
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2386	6	50901.	1.114	44.553	
74	S6# 35	C775	BENZO(A)PYRENE	252	2440	6	52538.	1.150	45.746	
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2686	6	49317.	1.079	48.229	
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2689	6	40425.	0.885	49.011	
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2753	6	39436.	0.863	46.790	

02306

Quantitation Report File: STDR975

02307

Data: STDR975.TI
06/02/88 7:16:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: 59434

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C430	BENZOIC ACID	122	S2# 45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
33	C450	NAPHTHALENE	128	S2# 60	91-20-3
34	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
42	C530	2-NITROANALINE	65	S3# 45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
46	C545	3-NITROANILINE	138	S3# 75	99-09-2
47	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9

02308

No	Name			
48	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5
49	C565	DIBENZOFURAN	168 S3# 90	132-64-9
50	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	717	8:58	1	1.000	A BV	26676.	40.000 UG/ML	1.00
2	136	955	11:56	2	1.000	A BB	101262.	40.000 UG/ML	1.00
3	164	1313	16:25	3	1.000	A BB	47480.	40.000 UG/ML	1.00
4	188	1616	20:12	4	1.000	A BV	73548.	40.000 UG/ML	1.00
5	240	2170	27:07	5	1.000	A BB	47492.	40.000 UG/ML	1.00
6	264	2450	30:37	6	1.000	A BB	36563.	40.000 UG/ML	1.00
7	82	823	10:17	2	0.862	A BB	56747.	50.000 UG/ML	1.25
8	172	1177	14:43	3	0.896	A BB	83857.	50.000 UG/ML	1.25
9	244	1951	24:23	5	0.899	A BB	65365.	50.000 UG/ML	1.25
10	99	666	8:19	1	0.929	A BB	135886.	100.000 UG/ML	2.51
11	112	518	6:28	1	0.722	A BB	97838.	100.000 UG/ML	2.51
12	330	1477	18:28	3	1.125	A BB	17940.	100.000 UG/ML	2.51
13	94	668	8:21	1	0.932	A BV	75409.	50.000 UG/ML	1.25
14	93	680	8:30	1	0.948	A VV	57300.	50.000 UG/ML	1.25
15	128	687	8:35	1	0.958	A BV	47018.	50.000 UG/ML	1.25
16	146	710	8:52	1	0.990	A BV	51229.	50.000 UG/ML	1.25
17	146	720	9:00	1	1.004	A VB	53470.	50.000 UG/ML	1.25
18	108	748	9:21	1	1.043	A BB	30990.	50.000 UG/ML	1.25
19	146	753	9:25	1	1.050	A BB	49500.	50.000 UG/ML	1.25
20	108	771	9:38	1	1.075	A BB	42853.	50.000 UG/ML	1.25
21	45	776	9:42	1	1.082	A BB	86723.	50.000 UG/ML	1.25
22	108	798	9:58	1	1.113	A BB	47422.	50.000 UG/ML	1.25
23	70	804	10:03	1	1.121	A BB	42613.	50.000 UG/ML	1.25
24	117	808	10:06	1	1.127	A BV	20174.	50.000 UG/ML	1.25
25	77	827	10:20	2	0.866	A BB	57632.	50.000 UG/ML	1.25
26	82	872	10:54	2	0.913	A BB	106312.	50.000 UG/ML	1.25
27	139	886	11:04	2	0.928	A BB	26179.	50.000 UG/ML	1.25
28	107	897	11:13	2	0.939	A BB	41420.	50.000 UG/ML	1.25
29	93	917	11:28	2	0.960	A BB	62961.	50.000 UG/ML	1.25
30	162	932	11:39	2	0.976	A BB	35433.	50.000 UG/ML	1.25
31	122	926	11:34	2	0.970	M XX	21974.	50.000 UG/ML	1.25
32	180	948	11:51	2	0.993	A BB	37545.	50.000 UG/ML	1.25
33	128	959	11:59	2	1.004	A BV	136087.	50.000 UG/ML	1.25
34	127	976	12:12	2	1.022	A BB	55857.	50.000 UG/ML	1.25
35	225	996	12:27	2	1.043	A BB	18262.	50.000 UG/ML	1.25
36	107	1074	13:25	2	1.125	A BB	39007.	50.000 UG/ML	1.25
37	142	1097	13:43	2	1.149	A BB	80986.	50.000 UG/ML	1.25
38	237	1143	14:17	3	0.871	A BB	17780.	50.000 UG/ML	1.25
39	196	1161	14:31	3	0.884	A BV	25470.	50.000 UG/ML	1.25
40	196	1168	14:36	3	0.890	A VB	20269.	50.000 UG/ML	1.25
41	162	1195	14:56	3	0.910	A BB	77366.	50.000 UG/ML	1.25
42	65	1225	15:19	3	0.933	A BB	30573.	50.000 UG/ML	1.25
43	163	1272	15:54	3	0.969	A BB	85772.	50.000 UG/ML	1.25
44	152	1281	16:01	3	0.976	A BV	122346.	50.000 UG/ML	1.25
45	165	1285	16:04	3	0.979	A VB	20695.	50.000 UG/ML	1.25
46	138	1311	16:23	3	0.998	A BB	22448.	50.000 UG/ML	1.25
47	153	1320	16:30	3	1.005	A BB	72771.	50.000 UG/ML	1.25
48	184	1331	16:38	3	1.014	M XX	9092.	50.000 UG/ML	1.25
49	168	1352	16:54	3	1.030	A BB	105589.	50.000 UG/ML	1.25
50	109	1348	16:51	3	1.027	M XX	9279.	50.000 UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	30:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:17	1.00	0.862	1.00	50.00	50.00	0.448	0.448	1.00
8	14:43	1.00	0.896	1.00	50.00	50.00	1.413	1.413	1.00
9	24:23	1.00	0.899	1.00	50.00	50.00	1.101	1.101	1.00
10	8:19	1.00	0.929	1.00	100.00	100.00	2.038	2.038	1.00
11	6:28	1.00	0.722	1.00	100.00	100.00	1.467	1.467	1.00
12	18:28	1.00	1.125	1.00	100.00	100.00	0.151	0.151	1.00
13	8:21	1.00	0.932	1.00	50.00	50.00	2.261	2.261	1.00
14	8:30	1.00	0.948	1.00	50.00	50.00	1.718	1.718	1.00
15	8:35	1.00	0.958	1.00	50.00	50.00	1.410	1.410	1.00
16	8:52	1.00	0.990	1.00	50.00	50.00	1.536	1.536	1.00
17	9:00	1.00	1.004	1.00	50.00	50.00	1.604	1.604	1.00
18	9:21	1.00	1.043	1.00	50.00	50.00	0.929	0.929	1.00
19	9:25	1.00	1.050	1.00	50.00	50.00	1.484	1.484	1.00
20	9:38	1.00	1.075	1.00	50.00	50.00	1.285	1.285	1.00
21	9:42	1.00	1.082	1.00	50.00	50.00	2.601	2.601	1.00
22	9:58	1.00	1.113	1.00	50.00	50.00	1.422	1.422	1.00
23	10:03	1.00	1.121	1.00	50.00	50.00	1.278	1.278	1.00
24	10:06	1.00	1.127	1.00	50.00	50.00	0.605	0.605	1.00
25	10:20	1.00	0.866	1.00	50.00	50.00	0.455	0.455	1.00
26	10:54	1.00	0.913	1.00	50.00	50.00	0.840	0.840	1.00
27	11:04	1.00	0.928	1.00	50.00	50.00	0.207	0.207	1.00
28	11:13	1.00	0.939	1.00	50.00	50.00	0.327	0.327	1.00
29	11:28	1.00	0.960	1.00	50.00	50.00	0.497	0.497	1.00
30	11:39	1.00	0.976	1.00	50.00	50.00	0.280	0.280	1.00
31	11:34	1.00	0.970	1.00	50.00	50.00	0.174	0.174	1.00
32	11:51	1.00	0.993	1.00	50.00	50.00	0.297	0.297	1.00
33	11:59	1.00	1.004	1.00	50.00	50.00	1.075	1.075	1.00
34	12:12	1.00	1.022	1.00	50.00	50.00	0.441	0.441	1.00
35	12:27	1.00	1.043	1.00	50.00	50.00	0.144	0.144	1.00
36	13:25	1.00	1.125	1.00	50.00	50.00	0.308	0.308	1.00
37	13:43	1.00	1.149	1.00	50.00	50.00	0.640	0.640	1.00
38	14:17	1.00	0.871	1.00	50.00	50.00	0.300	0.300	1.00
39	14:31	1.00	0.884	1.00	50.00	50.00	0.429	0.429	1.00
40	14:36	1.00	0.890	1.00	50.00	50.00	0.342	0.342	1.00
41	14:56	1.00	0.910	1.00	50.00	50.00	1.304	1.304	1.00
42	15:19	1.00	0.933	1.00	50.00	50.00	0.515	0.515	1.00
43	15:54	1.00	0.969	1.00	50.00	50.00	1.445	1.445	1.00
44	16:01	1.00	0.976	1.00	50.00	50.00	2.061	2.061	1.00
45	16:04	1.00	0.979	1.00	50.00	50.00	0.349	0.349	1.00
46	16:23	1.00	0.998	1.00	50.00	50.00	0.378	0.378	1.00
47	16:30	1.00	1.005	1.00	50.00	50.00	1.226	1.226	1.00
48	16:38	1.00	1.014	1.00	50.00	50.00	0.153	0.153	1.00
49	16:54	1.00	1.030	1.00	50.00	50.00	1.779	1.779	1.00
50	16:51	1.00	1.027	1.00	50.00	50.00	0.156	0.156	1.00

Quantitation Report File: STDR975 02310

Data: STDR975.TI
06/02/88 7:16:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.: 59434

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
51	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2
52	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
53	C590	FLUORENE	166	S3#135	86-73-7
54	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
55	C595	4-NITROANALINE	138	S3#150	100-01-6
56	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
57	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
58	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
61	C640	PHENANTHRENE	178	S4# 65	85-01-8
62	C645	ANTHRACENE	178	S4# 70	120-12-7
63	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
64	C655	FLUORANTHENE	202	S4#110CC	206-44-0
65	C715	PYRENE	202	S5# 15	129-00-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1363	17:02	3	1.038	A BB	25300.	50.000 UG/ML	1.25
52	149	1418	17:43	3	1.080	A BB	85431.	50.000 UG/ML	1.25
53	166	1423	17:47	3	1.084	A BB	84533.	50.000 UG/ML	1.25
54	204	1425	17:49	3	1.085	A BB	37715.	50.000 UG/ML	1.25
55	138	1438	17:58	3	1.095	M XX	20622.	50.000 UG/ML	1.25
56	198	1447	18:05	4	0.895	A BB	12503.	50.000 UG/ML	1.25
57	169	1452	18:09	4	0.899	A BV	56847.	50.000 UG/ML	1.25
58	248	1525	19:04	4	0.944	A BB	19279.	50.000 UG/ML	1.25
59	284	1554	19:25	4	0.962	A BB	21542.	50.000 UG/ML	1.25
60	266	1591	19:53	4	0.985	A BB	11681.	50.000 UG/ML	1.25
61	178	1621	20:16	4	1.003	A BV	103405.	50.000 UG/ML	1.25
62	178	1630	20:22	4	1.009	A VB	101588.	50.000 UG/ML	1.25
63	149	1753	21:55	4	1.085	A BB	132413.	50.000 UG/ML	1.25
64	202	1868	23:21	4	1.156	A BB	88036.	50.000 UG/ML	1.25
65	202	1914	23:55	5	0.882	A BB	88410.	50.000 UG/ML	1.25
66	149	2062	25:46	5	0.950	A BB	48122.	50.000 UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2166	27:04	5	0.998	A BV	75475.	50.000	UG/ML	1.25
68	252	2165	27:04	5	0.998	A BB	46586.	100.000	UG/ML	2.51
69	228	2176	27:12	5	1.003	A VB	54946.	50.000	UG/ML	1.25
70	149	2187	27:20	5	1.008	A BB	67654.	50.000	UG/ML	1.25
71	149	2310	28:52	6	0.943	A BB	110276.	50.000	UG/ML	1.25
72	252	2380	29:45	6	0.971	A BV	64004.	50.000	UG/ML	1.25
73	252	2386	29:49	6	0.974	A VB	50901.	50.000	UG/ML	1.25
74	252	2440	30:30	6	0.996	A BB	52538.	50.000	UG/ML	1.25
75	276	2686	33:34	6	1.096	A BB	49317.	50.000	UG/ML	1.25
76	278	2689	33:37	6	1.098	A BB	40425.	50.000	UG/ML	1.25
77	276	2753	34:25	6	1.124	A BB	39436.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	17:02	1.00	1.038	1.00	50.00	50.00	0.426	0.426	1.00
52	17:43	1.00	1.080	1.00	50.00	50.00	1.439	1.439	1.00
53	17:47	1.00	1.084	1.00	50.00	50.00	1.424	1.424	1.00
54	17:49	1.00	1.085	1.00	50.00	50.00	0.635	0.635	1.00
55	17:58	1.00	1.095	1.00	50.00	50.00	0.347	0.347	1.00
56	18:05	1.00	0.895	1.00	50.00	50.00	0.136	0.136	1.00
57	18:09	1.00	0.899	1.00	50.00	50.00	0.618	0.618	1.00
58	19:04	1.00	0.944	1.00	50.00	50.00	0.210	0.210	1.00
59	19:25	1.00	0.962	1.00	50.00	50.00	0.234	0.234	1.00
60	19:53	1.00	0.985	1.00	50.00	50.00	0.127	0.127	1.00
61	20:16	1.00	1.003	1.00	50.00	50.00	1.125	1.125	1.00
62	20:22	1.00	1.009	1.00	50.00	50.00	1.105	1.105	1.00
63	21:55	1.00	1.085	1.00	50.00	50.00	1.440	1.440	1.00
64	23:21	1.00	1.156	1.00	50.00	50.00	0.958	0.958	1.00
65	23:55	1.00	0.882	1.00	50.00	50.00	1.489	1.489	1.00
66	25:46	1.00	0.950	1.00	50.00	50.00	0.811	0.811	1.00
67	27:04	1.00	0.998	1.00	50.00	50.00	1.271	1.271	1.00
68	27:04	1.00	0.998	1.00	100.00	100.00	0.392	0.392	1.00
69	27:12	1.00	1.003	1.00	50.00	50.00	0.926	0.926	1.00
70	27:20	1.00	1.008	1.00	50.00	50.00	1.140	1.140	1.00
71	28:52	1.00	0.943	1.00	50.00	50.00	2.413	2.413	1.00
72	29:45	1.00	0.971	1.00	50.00	50.00	1.400	1.400	1.00
73	29:49	1.00	0.974	1.00	50.00	50.00	1.114	1.114	1.00
74	30:30	1.00	0.996	1.00	50.00	50.00	1.150	1.150	1.00
75	33:34	1.00	1.096	1.00	50.00	50.00	1.079	1.079	1.00
76	33:37	1.00	1.098	1.00	50.00	50.00	0.884	0.884	1.00
77	34:25	1.00	1.124	1.00	50.00	50.00	0.863	0.863	1.00

RMAL QUANTITATION SUMMARY FILE: STDR975
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	717	1	26676.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	955	2	101262.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1313	3	47480.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1616	4	73548.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2170	5	47492.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2450	6	36563.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	823	2	56747.	0.448	50.000
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1177	3	83857.	1.413	50.000
9	S5# 2	CS30 TERPHENYL-D14	244	1951	5	65365.	1.101	50.000
10	S1# 3	CS45 PHENOL-D5	99	666	1	135886.	2.038	100.000
11	S1# 2	CS50 2-FLUOROPHENOL	112	518	1	97838.	1.467	100.000
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1477	3	17940.	0.151	100.000
13	S1#105	C315 PHENOL	94	668	1	75409.	2.261	50.000
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	680	1	57300.	1.718	50.000
15	S1#115	C330 2-CHLOROPHENOL	128	687	1	47018.	1.410	50.000
16	S1#125	C335 1,3-DICHLOROBENZENE	146	710	1	51229.	1.536	50.000
17	S1#130	C340 1,4-DICHLOROBENZENE	146	720	1	53470.	1.604	50.000
18	S1#145	C345 BENZYL ALCOHOL	108	748	1	30990.	0.929	50.000
19	S1#150	C350 1,2-DICHLOROBENZENE	146	753	1	49500.	1.484	50.000
20	S1#160	C355 2-METHYLPHENOL	108	771	1	42853.	1.285	50.000
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	776	1	86723.	2.601	50.000
22	S1#185	C365 4-METHYLPHENOL	108	798	1	47422.	1.422	50.000
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	804	1	42613.	1.278	50.000
24	S1#200	C375 HEXACHLOROETHANE	117	808	1	20174.	0.605	50.000
25	S2# 10	C410 NITROBENZENE	77	827	2	57632.	0.455	50.000
26	S2# 20	C415 ISOPHORONE	82	872	2	106312.	0.840	50.000
27	S2# 25	C420 2-NITROPHENOL	139	886	2	26179.	0.207	50.000
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	897	2	41420.	0.327	50.000
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	917	2	62961.	0.497	50.000
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	932	2	35433.	0.280	50.000
31	S2# 45	C430 BENZOIC ACID	122	926	2	21974.	0.174	50.000
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	948	2	37545.	0.297	50.000
33	S2# 60	C450 NAPHTHALENE	128	959	2	136087.	1.075	50.000
34	S2# 80	C455 4-CHLOROANALINE	127	976	2	55857.	0.441	50.000
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	996	2	18262.	0.144	50.000
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1074	2	39007.	0.308	50.000
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1097	2	80986.	0.640	50.000
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1143	3	17780.	0.300	50.000
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1161	3	25470.	0.429	50.000
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1168	3	20269.	0.342	50.000
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1195	3	77366.	1.304	50.000
42	S3# 45	C530 2-NITROANALINE	65	1225	3	30573.	0.515	50.000
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1272	3	85772.	1.445	50.000
44	S3# 65	C540 ACENAPHTHYLENE	152	1281	3	122346.	2.061	50.000
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1285	3	20695.	0.349	50.000
46	S3# 75	C545 3-NITROANILINE	138	1311	3	22448.	0.378	50.000
47	S3# 80	C550 ACENAPHTHENE	153	1320	3	72771.	1.226	50.000
48	S3# 85	C555 2,4-DINITROPHENOL	184	1331	3	9092.	0.153	50.000
49	S3# 90	C565 DIBENZOFURAN	168	1352	3	105589.	1.779	50.000
50	S3# 95	C560 4-NITROPHENOL	109	1348	3	9279.	0.156	50.000
51	S3#105	C570 2,4-DINITROTOLUENE	165	1363	3	25300.	0.426	50.000
52	S3#130	C580 DIETHYLPHTHALATE	149	1418	3	85431.	1.439	50.000

54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1425	3	37715.	0.635	50.000	
55	S3#150	C595	4-NITROANALINE	138	1438	3	20622.	0.347	50.000	
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1447	4	12503.	0.136	50.000	
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1452	4	56847.	0.618	50.000	
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1525	4	19279.	0.210	50.000	
59	S4# 40	C630	HEXACHLOROBENZENE	284	1554	4	21542.	0.234	50.000	
60	S4# 50	C635	PENTACHLOROPHENOL	266	1591	4	11681.	0.127	50.000	
61	S4# 65	C640	PHENANTHRENE	178	1621	4	103405.	1.125	50.000	
62	S4# 70	C645	ANTHRACENE	178	1630	4	101588.	1.105	50.000	
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1753	4	132413.	1.440	50.000	
64	S4#110	C655	FLUORANTHENE	202	1868	4	88036.	0.958	50.000	
65	S5# 15	C715	PYRENE	202	1914	5	88410.	1.489	50.000	
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2062	5	48122.	0.811	50.000	
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2166	5	75475.	1.271	50.000	
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2165	5	46586.	0.392	100.000	
69	S5# 60	C740	CHRYSENE	228	2176	5	54946.	0.926	50.000	
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2187	5	67654.	1.140	50.000	
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	110276.	2.413	50.000	
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2380	6	64004.	1.400	50.000	
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2386	6	50901.	1.114	50.000	
74	S6# 35	C775	BENZO(A)PYRENE	252	2440	6	52538.	1.150	50.000	
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2686	6	49317.	1.079	50.000	
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2689	6	40425.	0.885	50.000	
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2753	6	39436.	0.863	50.000	

02313

6/2/88 17:54:58 SCAN 1 OF 2850 02314
Acquisition started

Acquire | Run 0:STDR991 | ACQUIRING
06/02/88 17:53:00 + 0:07 | Free sectors: 22323 | Scan: 9 of 2850
Sample: 50 PPM HSL STD
Conds.: ST
Formula: AUTO INJ | Instrument: 4500 | Weight: 0.000
Submitted by: RMAL | Analyst: MD | Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 31 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 7 min Int.oven : 275 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********

Low mass: 35 | Up: 0.70 L* | Top: 0.00
High mass: 500 | Down: 0.00 L | Bottom: 0.05

Cent S/P: 10 Actual: 10 | Samp Int (ms): 0.150 | Peak Width: 1000.
Frag S/P: 10 Actual: 10 | Samp Int (ms): 0.150 | Inten/ion: 2

Min Peak Width: 3 | Min Frag Width %: 80 | Min Area: 20
ADC Threshold: 1 | Baseline: 0

***** Mode: Centroid positive ion

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/2/88 18:30:38
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

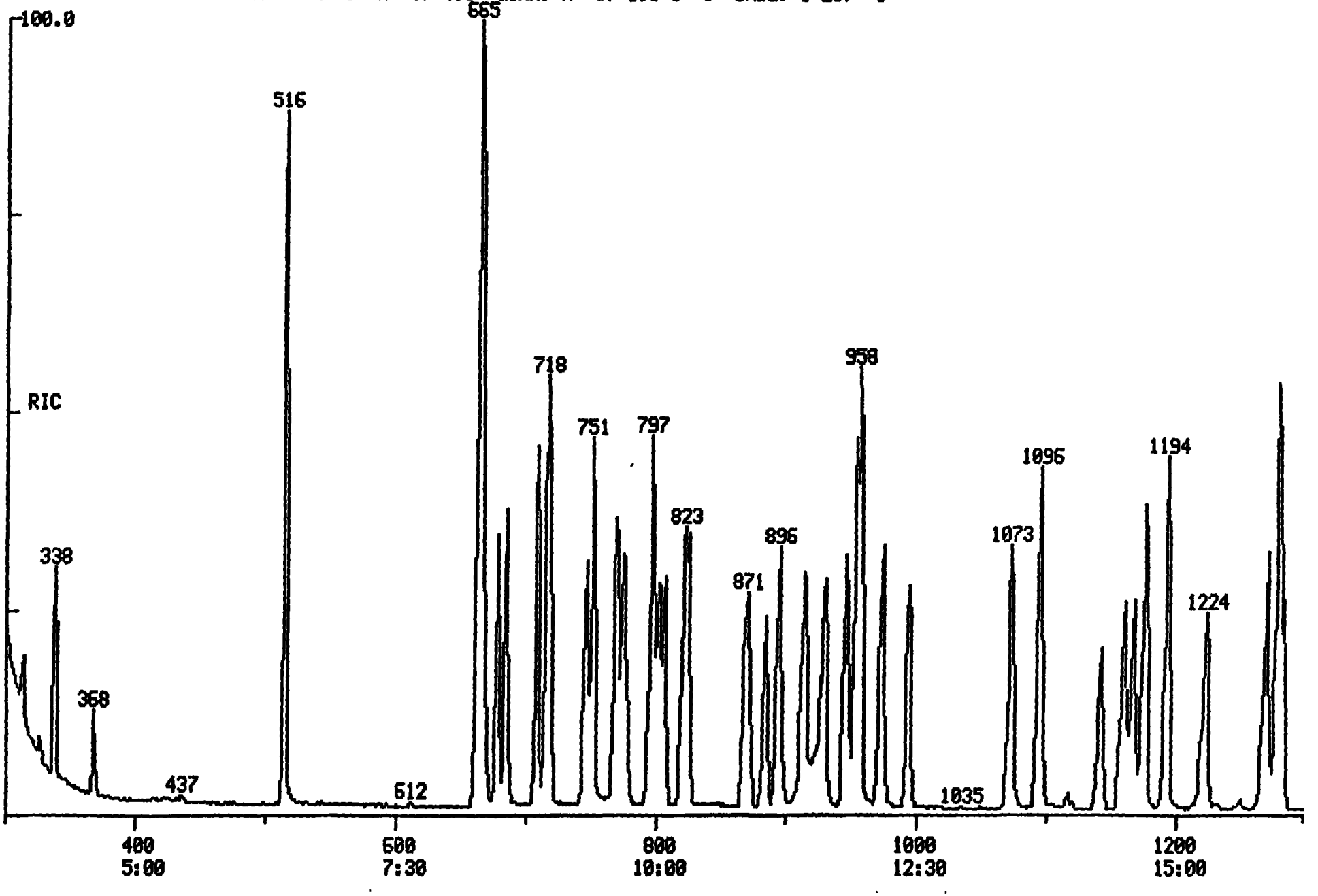
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	494.4	2137.5	23.1	93803.	33. 44.

02315

RIC
06/02/88 17:53:00
SAMPLE: 50 PPM HSL STD
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDR991 #4
CALI: TUNE #3

SCANS 300 TO 1300
OUT OF 300 TO 2850



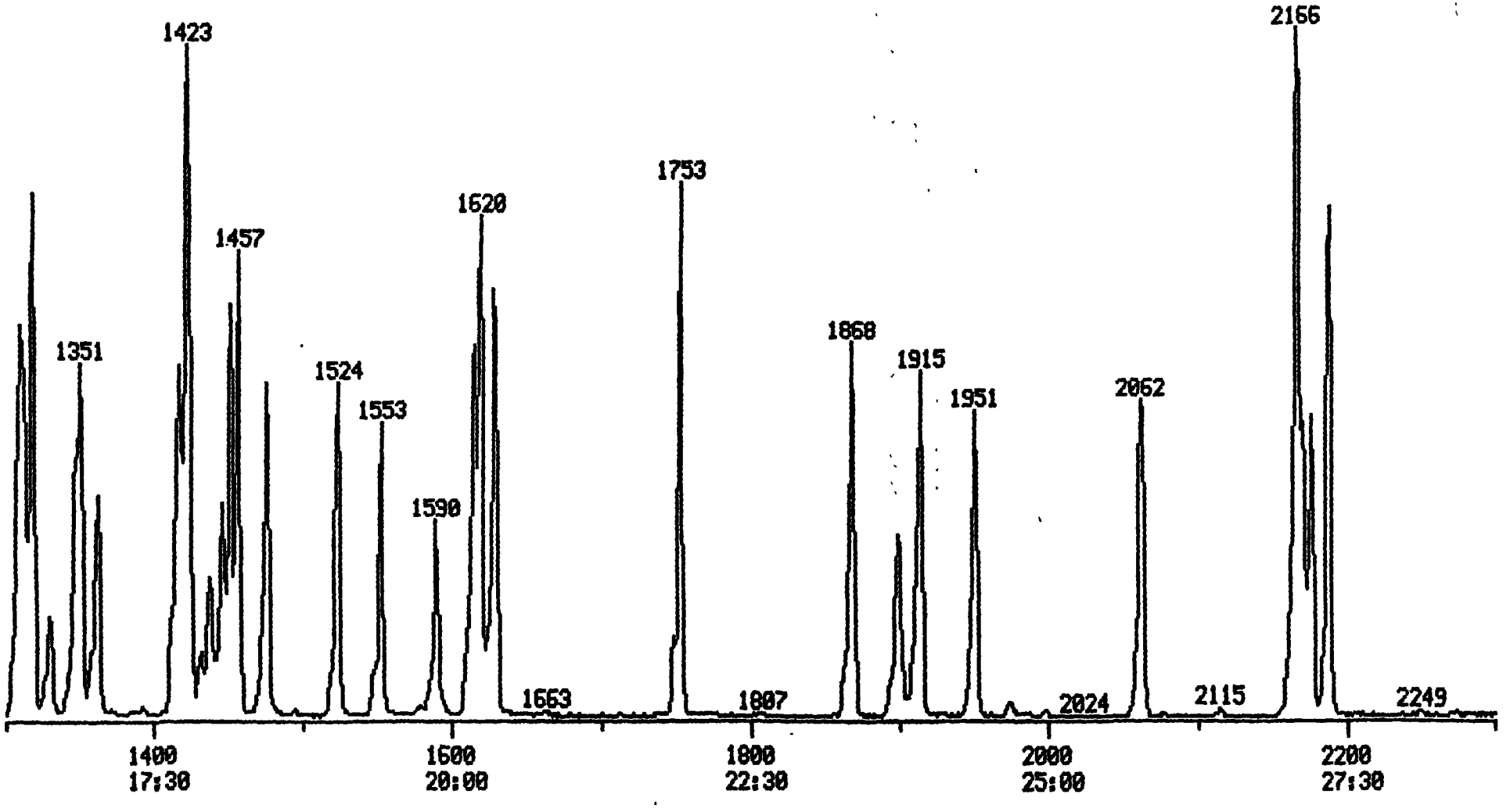
02316

RIC
06/02/88 17:53:00
SAMPLE: 50 PPM HSL STD
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDR991 #4
CALI: TUNE #3

SCANS 1300 TO 2300
OUT OF 300 TO 2850

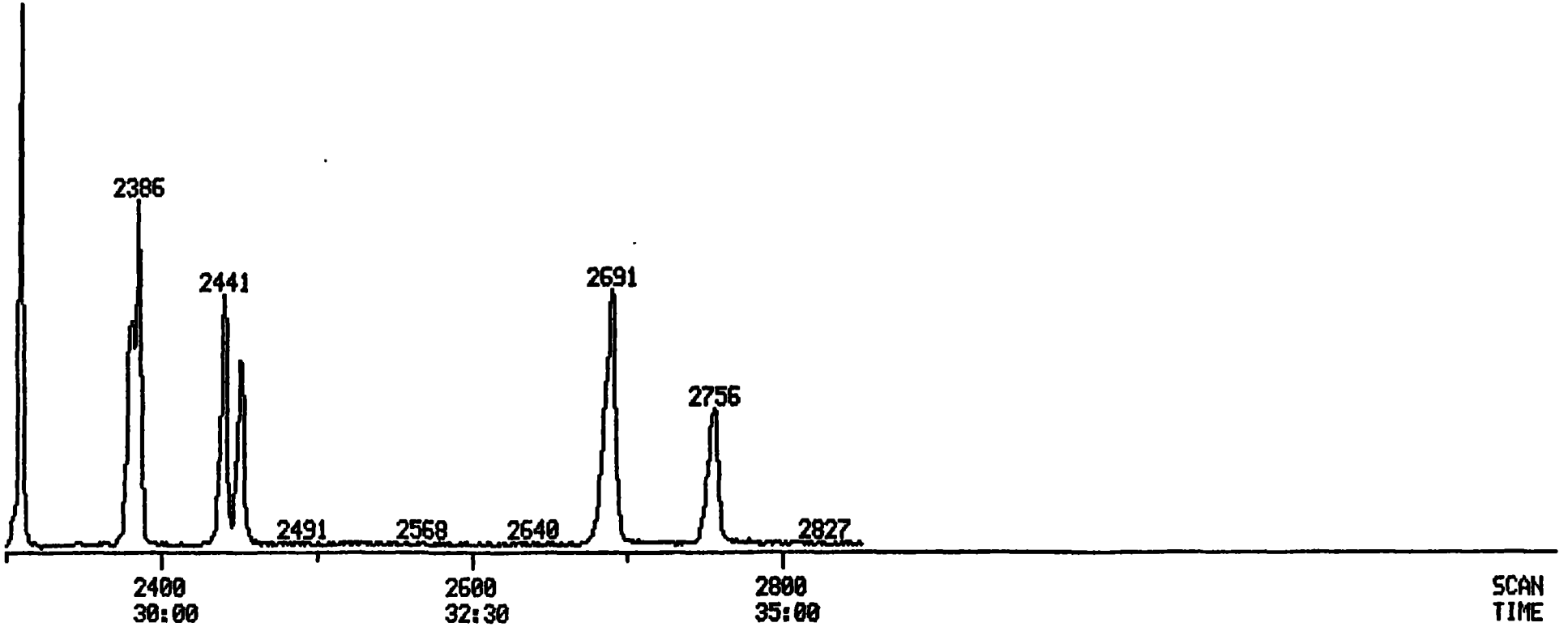
100.0



02317

RIC DATA: STDR991 #4 SCANS 2300 TO 2850
06/02/88 17:53:00 CALI: TUNE #3 OUT OF 300 TO 2850
SAMPLE: 50 PPM HSL STD
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 151552.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 18:33:45
DATA FILE: STDR991
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES - STANDARD/UNKNOWN
1	1	1	0	7	7	1	49	ISO1/TCO1
3	3	1	49	18	18	2	59	ISO2/TCO2
3	3	1	49	12	12	2	38	ISO3/TCO3
3	3	2	0	18	18	2	47	ISO4/TCO4
3	3	1	0	10	10	2	51	ISO5/TCO5
3	3	1	28	8	8	4	62	ISO6/TCO6
3	3	1	26	14	14	8	61	ISO7/TCO7
1	1	1	0	4	4	4	69	ISO8/TCO8

77 COMPOUNDS PROCESSED, 77 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	PRED	SEL	DELTA	PEAKS	SAT FIT	PEAKS	CHRO M/Z	TOP	DELTA	PEAKS
1	S1	1	-716	715	715	.	1	969	.	152	715	.	1
2	S1	2	-518	516	516	.	1	996	.	112	516	.	1
3	S1	3	-666	664	664	.	1	934	.	99	664	.	1
4	S1	105	-668	666	666	.	1	939	.	94	666	.	1
5	S1	110	-680	678	679	1	1	982	.	93	679	.	1
6	S1	115	-687	686	685	-1	1	989	.	128	685	.	1
7	S1	125	-710	709	709	.	1	990	.	146	709	.	1
8	S2	1	-954	954	954	.	1	996	.	136	954	.	1
9	S3	1	-1312	1312	1312	.	1	989	.	164	1312	.	1
10	S1	130	-720	718	718	.	1	984	.	146	718	.	1
11	S1	145	-748	746	746	.	1	998	.	108	746	.	1
12	S1	150	-753	751	751	.	1	991	.	146	751	.	1
13	S1	160	-771	769	769	.	1	988	.	108	769	.	1
14	S1	165	-776	774	774	.	1	971	.	45	774	.	1
15	S1	185	-798	797	797	.	1	991	.	108	797	.	1
16	S1	190	-804	803	802	-1	1	1000	.	70	802	.	1
17	S1	200	-808	807	807	.	1	995	.	117	807	.	1
18	S2	2	-823	822	822	.	1	1000	.	82	822	.	1
19	S2	10	-827	826	825	-1	1	998	.	77	825	.	1
20	S2	20	-872	871	871	.	1	976	.	82	871	.	1
21	S2	25	-886	885	885	.	1	993	.	139	885	.	1
22	S2	30	-897	896	896	.	1	996	.	107	896	.	1
23	S2	35	-917	916	915	-1	1	999	.	93	915	.	1
24	S2	45	-926	925	926	1	2	995	.	122	926	.	1
25	S2	40	-932	931	931	.	1	991	.	162	931	.	1
26	S2	55	-948	947	947	.	1	995	.	180	947	.	1
27	S2	60	-959	958	958	.	1	999	.	128	958	.	1
28	S2	80	-976	975	975	.	1	985	.	127	975	.	1
29	S2	95	-996	995	995	.	1	992	.	225	995	.	1
30	S2	130	-1074	1073	1073	.	1	996	.	107	1073	.	1
31	S2	145	-1097	1096	1096	.	1	992	.	142	1096	.	1
32	S3	20	-1143	1142	1142	.	1	994	.	237	1142	.	1
33	S3	25	-1161	1160	1160	.	2	989	.	196	1160	.	1
34	S4	1	-1615	1615	1615	.	2	991	.	188	1615	.	1
35	S3	30	-1168	1167	1167	.	1	991	.	196	1167	.	1
36	S3	3	-1177	1176	1176	.	1	999	.	172	1176	.	1
37	S3	40	-1195	1194	1194	.	1	997	.	162	1194	.	1
38	S3	45	-1225	1224	1224	.	1	992	.	65	1224	.	1
39	S3	55	-1272	1271	1271	.	1	973	.	163	1271	.	1
40	S3	65	-1281	1280	1280	.	1	995	.	152	1280	.	1
41	S3	70	-1285	1284	1284	.	1	992	.	165	1284	.	1
42	S3	75	-1311	1310	1310	.	1	984	.	138	1310	.	1

43	S3	80	-1320	1319	1319	.	2	995	.	153	1319	.	1
44	S3	85	-1331	1330	1330	.	1	983	.	184	1330	.	1
45	S3	95	-1348	1347	1347	.	1	969	.	109	1347	.	1
46	S3	90	-1352	1351	1351	.	1	962	.	168	1351	.	1
47	S3	105	-1363	1362	1363	1	1	994	.	165	1363	.	1
48	S3	130	-1418	1417	1417	.	1	958	.	149	1417	.	1
49	S3	135	-1423	1422	1423	1	1	990	.	166	1423	.	1
50	S3	140	-1425	1425	1425	.	1	988	.	204	1425	.	1
51	S3	150	-1438	1438	1438	.	2	981	.	138	1438	.	1
52	S4	10	-1447	1447	1446	-1	1	956	.	198	1446	.	1
53	S4	15	-1452	1452	1452	.	1	984	.	169	1452	.	1
54	S3	2	-1477	1477	1476	-1	1	977	.	330	1476	.	1
55	S4	30	-1525	1524	1524	.	1	987	.	248	1524	.	1
56	S4	40	-1554	1553	1553	.	1	992	.	284	1553	.	1
57	S5	1	-2169	2170	2170	.	1	961	.	240	2170	.	1
58	S4	50	-1591	1591	1590	-1	1	987	.	266	1590	.	1
59	S4	65	-1621	1621	1620	-1	2	951	.	178	1620	.	1
60	S4	70	-1630	1630	1629	-1	2	973	.	178	1629	.	1
61	S4	85	-1753	1753	1753	.	1	935	.	149	1753	.	1
62	S4	110	-1868	1868	1868	.	1	989	.	202	1868	.	1
63	S6	1	-2449	2451	2451	.	1	994	.	264	2451	.	1
64	S5	15	-1914	1914	1915	1	1	996	.	202	1915	.	1
65	S5	2	-1951	1951	1951	.	1	993	.	244	1951	.	1
66	S5	40	-2062	2062	2062	.	1	990	.	149	2062	.	1
67	S5	55	-2165	2166	2166	.	1	986	.	252	2166	.	1
68	S5	50	-2166	2167	2166	-1	2	994	.	228	2166	.	1
69	S5	60	-2176	2177	2176	-1	1	998	.	228	2176	.	1
70	S5	65	-2187	2188	2188	.	1	992	.	149	2188	.	1
71	S6	10	-2310	2311	2310	-1	1	997	.	149	2310	.	1
72	S6	15	-2380	2381	2381	.	2	990	.	252	2381	.	1
73	S6	25	-2386	2387	2386	-1	2	995	.	252	2386	.	1
74	S6	35	-2440	2441	2441	.	1	989	.	252	2441	.	1
75	S6	55	-2686	2689	2690	1	2	987	.	276	2688	-2	1
76	S6	60	-2689	2692	2692	.	2	983	.	278	2692	.	1
77	S6	65	-2753	2756	2756	.	1	994	.	276	2756	.	1

Quantitation Report File: STDR991

02320

Data: STDR991.TI
06/02/88 17:53:00
Sample: 50 PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
1	CI30	1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112SS1# 02	367-12-4
3	CS45	PHENOL-D5	99SS1# 03	4165-62-2
4	C315	PHENOL	94 S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93 S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128 S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146 S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146 S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108 S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146 S1#150	95-50-1
13	C355	2-METHYLPHENOL	108 S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45 S1#165	108-60-1
15	C365	4-METHYLPHENOL	108 S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70 S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117 S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82SS2# 02	4165-60-0
19	C410	NITROBENZENE	77 S2# 10	98-95-3
20	C415	ISOPHORONE	82 S2# 20	75-59-1
21	C420	2-NITROPHENOL	139 S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107 S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93 S2# 35	111-91-1
24	C430	BENZOIC ACID	122 S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162 S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180 S2# 55	120-82-1
27	C450	NAPHTHALENE	128 S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127 S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225 S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107 S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142 S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237 S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196 S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196 S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162 S3# 40	91-58-7
38	C530	2-NITROANALINE	65 S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163 S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152 S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165 S3# 70	606-20-2
42	C545	3-NITROANILINE	138 S3# 75	99-09-2
43	C550	ACENAPHTHENE	153 S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168 S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165 S3#105	121-14-2

02321

No	Name			
48	C580	DIETHYLPHTHALATE	149 S3#130	84-66-2
49	C590	FLUORENE	166 S3#135	86-73-7
50	C585	4-CHLOROPHENYL-PHENYLE	204 S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	715	8:56	1	1.000	A BB	26622.	40.000 UG/ML	1.02
2	112	516	6:27	1	0.722	A BB	90937.	93.134 UG/ML	2.36
3	99	664	8:18	1	0.929	A BB	130366.	96.131 UG/ML	2.44
4	94	666	8:19	1	0.931	A BV	71142.	47.266 UG/ML	1.20
5	93	679	8:29	1	0.950	A VV	54287.	47.466 UG/ML	1.20
6	128	685	8:34	1	0.958	A BB	45142.	48.101 UG/ML	1.22
7	146	709	8:52	1	0.992	A BV	50837.	49.717 UG/ML	1.26
8	136	954	11:55	8	1.000	A BB	100092.	40.000 UG/ML	1.02
9	164	1312	16:24	9	1.000	A BB	47365.	40.000 UG/ML	1.02
10	146	718	8:58	1	1.004	A VB	52351.	49.052 UG/ML	1.24
11	108	746	9:19	1	1.043	A BB	28949.	46.800 UG/ML	1.19
12	146	751	9:23	1	1.050	A BB	48549.	49.138 UG/ML	1.25
13	108	769	9:37	1	1.076	A BB	40811.	47.713 UG/ML	1.21
14	45	774	9:40	1	1.083	A BB	86924.	50.217 UG/ML	1.27
15	108	797	9:58	1	1.115	A BB	44201.	46.697 UG/ML	1.19
16	70	802	10:01	1	1.122	A BB	40500.	47.616 UG/ML	1.21
17	117	807	10:05	1	1.129	A BB	19400.	48.178 UG/ML	1.22
18	82	822	10:16	8	0.862	A BB	54231.	48.341 UG/ML	1.23
19	77	825	10:19	8	0.865	A BV	54987.	48.263 UG/ML	1.22
20	82	871	10:53	8	0.913	A BB	101853.	48.463 UG/ML	1.23
21	139	885	11:04	8	0.928	A BB	24967.	48.244 UG/ML	1.22
22	107	896	11:12	8	0.939	A BB	40461.	49.413 UG/ML	1.25
23	93	915	11:26	8	0.959	A BB	59119.	47.498 UG/ML	1.21
24	122	926	11:34	8	0.971	A BB	21200.	48.803 UG/ML	1.24
25	162	931	11:38	8	0.976	A BB	35370.	50.494 UG/ML	1.28
26	180	947	11:50	8	0.993	A BB	36289.	48.893 UG/ML	1.24
27	128	958	11:58	8	1.004	A BV	131498.	48.879 UG/ML	1.24
28	127	975	12:11	8	1.022	A BB	53190.	48.169 UG/ML	1.22
29	225	995	12:26	8	1.043	A BB	17770.	49.222 UG/ML	1.25
30	107	1073	13:25	8	1.125	A BB	36931.	47.892 UG/ML	1.22
31	142	1096	13:42	8	1.149	A BB	80184.	50.084 UG/ML	1.27
32	237	1142	14:16	9	0.870	A BB	17132.	48.295 UG/ML	1.23
33	196	1160	14:30	9	0.884	A BV	23521.	46.287 UG/ML	1.17
34	188	1615	20:11	34	1.000	A BV	79608.	40.000 UG/ML	1.02
35	196	1167	14:35	9	0.889	A VB	23430.	57.937 UG/ML	1.47
36	172	1176	14:42	9	0.896	A BB	82116.	49.081 UG/ML	1.25
37	162	1194	14:55	9	0.910	A BB	76247.	49.396 UG/ML	1.25
38	65	1224	15:18	9	0.933	A BB	30825.	50.536 UG/ML	1.28
39	163	1271	15:53	9	0.969	A BB	87151.	50.927 UG/ML	1.29
40	152	1280	16:00	9	0.976	A BB	122819.	50.315 UG/ML	1.28
41	165	1284	16:03	9	0.979	A BB	21142.	51.204 UG/ML	1.30
42	138	1310	16:22	9	0.998	A BB	23432.	52.319 UG/ML	1.33
43	153	1319	16:29	9	1.005	A BB	75266.	51.840 UG/ML	1.32
44	184	1330	16:37	9	1.014	A BB	9254.	51.013 UG/ML	1.29
45	109	1347	16:50	9	1.027	A BB	7874.	42.532 UG/ML	1.08
46	168	1351	16:53	9	1.030	A BB	106743.	50.669 UG/ML	1.29
47	165	1363	17:02	9	1.039	A BB	26315.	52.132 UG/ML	1.32
48	149	1417	17:43	9	1.080	A BB	86433.	50.709 UG/ML	1.29
49	166	1423	17:47	9	1.085	A BB	86968.	51.565 UG/ML	1.31
50	204	1425	17:49	9	1.086	A BB	37329.	49.608 UG/ML	1.26

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:28	1.00	0.722	1.00	93.13	100.00	1.366	1.467	0.93
3	8:19	1.00	0.929	1.00	96.13	100.00	1.959	2.038	0.96
4	8:21	1.00	0.932	1.00	47.27	50.00	2.138	2.261	0.95
5	8:30	1.00	0.948	1.00	47.47	50.00	1.631	1.718	0.95
6	8:35	1.00	0.958	1.00	48.10	50.00	1.357	1.410	0.96
7	8:52	1.00	0.990	1.00	49.72	50.00	1.528	1.536	0.99
8	11:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	9:00	1.00	1.004	1.00	49.05	50.00	1.573	1.604	0.98
11	9:21	1.00	1.043	1.00	46.80	50.00	0.870	0.929	0.94
12	9:25	1.00	1.050	1.00	49.14	50.00	1.459	1.484	0.98
13	9:38	1.00	1.075	1.00	47.71	50.00	1.226	1.285	0.95
14	9:42	1.00	1.082	1.00	50.22	50.00	2.612	2.601	1.00
15	9:58	1.00	1.113	1.00	46.70	50.00	1.328	1.422	0.93
16	10:03	1.00	1.121	1.00	47.62	50.00	1.217	1.278	0.95
17	10:06	1.00	1.127	1.00	48.18	50.00	0.583	0.605	0.96
18	10:17	1.00	0.862	1.00	48.34	50.00	0.433	0.448	0.97
19	10:20	1.00	0.866	1.00	48.26	50.00	0.439	0.455	0.97
20	10:54	1.00	0.913	1.00	48.46	50.00	0.814	0.840	0.97
21	11:04	1.00	0.928	1.00	48.24	50.00	0.200	0.207	0.96
22	11:13	1.00	0.939	1.00	49.41	50.00	0.323	0.327	0.99
23	11:28	1.00	0.960	1.00	47.50	50.00	0.473	0.497	0.95
24	11:34	1.00	0.970	1.00	48.80	50.00	0.169	0.174	0.98
25	11:39	1.00	0.976	1.00	50.49	50.00	0.283	0.280	1.01
26	11:51	1.00	0.993	1.00	48.89	50.00	0.290	0.297	0.98
27	11:59	1.00	1.004	1.00	48.88	50.00	1.051	1.075	0.98
28	12:12	1.00	1.022	1.00	48.17	50.00	0.425	0.441	0.96
29	12:27	1.00	1.043	1.00	49.22	50.00	0.142	0.144	0.98
30	13:25	1.00	1.125	1.00	47.89	50.00	0.295	0.308	0.96
31	13:43	1.00	1.149	1.00	50.08	50.00	0.641	0.640	1.00
32	14:17	1.00	0.871	1.00	48.29	50.00	0.289	0.300	0.97
33	14:31	1.00	0.884	1.00	46.29	50.00	0.397	0.429	0.93
34	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:36	1.00	0.890	1.00	57.94	50.00	0.396	0.342	1.16
36	14:43	1.00	0.896	1.00	49.08	50.00	1.387	1.413	0.98
37	14:56	1.00	0.910	1.00	49.40	50.00	1.288	1.304	0.99
38	15:19	1.00	0.933	1.00	50.54	50.00	0.521	0.515	1.01
39	15:54	1.00	0.969	1.00	50.93	50.00	1.472	1.445	1.02
40	16:01	1.00	0.976	1.00	50.32	50.00	2.074	2.061	1.01
41	16:04	1.00	0.979	1.00	51.20	50.00	0.357	0.349	1.02
42	16:23	1.00	0.998	1.00	52.32	50.00	0.396	0.378	1.05
43	16:30	1.00	1.005	1.00	51.84	50.00	1.271	1.226	1.04
44	16:38	1.00	1.014	1.00	51.01	50.00	0.156	0.153	1.02
45	16:51	1.00	1.027	1.00	42.53	50.00	0.133	0.156	0.85
46	16:54	1.00	1.030	1.00	50.67	50.00	1.803	1.779	1.01
47	17:02	1.00	1.038	1.00	52.13	50.00	0.444	0.426	1.04
48	17:43	1.00	1.080	1.00	50.71	50.00	1.460	1.439	1.01
49	17:47	1.00	1.084	1.00	51.57	50.00	1.469	1.424	1.03
50	17:49	1.00	1.085	1.00	49.61	50.00	0.630	0.635	0.99

Quantitation Report File: STDR991

Data: STDR991.TI
06/02/88 17:53:00
Sample: 50 PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
51	C595	4-NITROANALINE	138 S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198 S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169 S4# 15CC	87-30-6
54	CS55	2,4,6-TRIBROMOPHENOL	330SS3# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248 S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284 S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240IS5# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266 S4# 50	87-86-5
59	C640	PHENANTHRENE	178 S4# 65	85-01-8
60	C645	ANTHRACENE	178 S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149 S4# 85	84-74-2
62	C655	FLUORANTHENE	202 S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164IS6# 01	1520-96-3
64	C715	PYRENE	202 S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244SS5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149 S5# 40	85-68-7
67	C725	3,3'-DICHLOROBENZIDINE	252 S5# 55	91-94-1
68	C730	BENZO(A)ANTHRACENE	228 S5# 50	56-55-3
69	C740	CHRYSENE	228 S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149 S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252 S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252 S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252 S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276 S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278 S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276 S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	138	1438	17:58	9	1.096	A VV	12306.	29.909 UG/ML	0.76
52	198	1446	18:04	34	0.895	A BB	14033.	51.847 UG/ML	1.32
53	169	1452	18:09	34	0.899	A BB	59075.	48.005 UG/ML	1.22
54	330	1476	18:27	9	1.125	A BB	18316.	102.344 UG/ML	2.60
55	248	1524	19:03	34	0.944	A BB	20294.	48.626 UG/ML	1.23
56	284	1553	19:25	34	0.962	A BB	20807.	44.617 UG/ML	1.13
57	240	2170	27:07	57	1.000	A BB	50572.	40.000 UG/ML	1.02
58	266	1590	19:52	34	0.985	A BB	12006.	47.478 UG/ML	1.20
59	178	1620	20:15	34	1.003	A BV	112960.	50.462 UG/ML	1.28
60	178	1629	20:22	34	1.009	A VB	106651.	48.496 UG/ML	1.23
61	149	1753	21:55	34	1.085	A BB	144052.	50.254 UG/ML	1.28
62	202	1868	23:21	34	1.157	A BB	95128.	49.915 UG/ML	1.27
63	264	2451	30:38	63	1.000	A BB	38282.	40.000 UG/ML	1.02
64	202	1915	23:56	57	0.882	A BB	93777.	49.805 UG/ML	1.26
65	244	1951	24:23	57	0.899	A BB	67469.	48.466 UG/ML	1.23
66	149	2062	25:46	57	0.950	A BB	51324.	50.078 UG/ML	1.27

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	2166	27:04	57	0.998	A BB	51681.	104.181	UG/ML	2.64
68	228	2166	27:04	57	0.998	A BV	80441.	50.044	UG/ML	1.27
69	228	2176	27:12	57	1.003	A VB	57678.	49.289	UG/ML	1.25
70	149	2188	27:21	57	1.008	A BB	72402.	50.250	UG/ML	1.28
71	149	2310	28:52	63	0.942	A BB	120306.	52.097	UG/ML	1.32
72	252	2381	29:46	63	0.971	A BV	63679.	47.512	UG/ML	1.21
73	252	2386	29:49	63	0.973	A VB	59637.	55.950	UG/ML	1.42
74	252	2441	30:31	63	0.996	A BB	57220.	52.010	UG/ML	1.32
75	276	2688	33:36	63	1.097	A BB	54780.	53.044	UG/ML	1.35
76	278	2692	33:39	63	1.098	A BB	45754.	54.049	UG/ML	1.37
77	276	2756	34:27	63	1.124	A BB	45744.	55.393	UG/ML	1.41

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:58	1.00	1.095	1.00	29.91	50.00	0.208	0.347	0.60
52	18:05	1.00	0.895	1.00	51.85	50.00	0.141	0.136	1.04
53	18:09	1.00	0.899	1.00	48.00	50.00	0.594	0.618	0.96
54	18:28	1.00	1.125	1.00	102.34	100.00	0.155	0.151	1.02
55	19:04	1.00	0.944	1.00	48.63	50.00	0.204	0.210	0.97
56	19:25	1.00	0.962	1.00	44.62	50.00	0.209	0.234	0.89
57	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:53	1.00	0.985	1.00	47.48	50.00	0.121	0.127	0.95
59	20:16	1.00	1.003	1.00	50.46	50.00	1.135	1.125	1.01
60	20:22	1.00	1.009	1.00	48.50	50.00	1.072	1.105	0.97
61	21:55	1.00	1.085	1.00	50.25	50.00	1.448	1.440	1.01
62	23:21	1.00	1.156	1.00	49.91	50.00	0.956	0.958	1.00
63	30:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:55	1.00	0.882	1.00	49.80	50.00	1.483	1.489	1.00
65	24:23	1.00	0.899	1.00	48.47	50.00	1.067	1.101	0.97
66	25:46	1.00	0.950	1.00	50.08	50.00	0.812	0.811	1.00
67	27:04	1.00	0.998	1.00	104.18	100.00	0.409	0.392	1.04
68	27:04	1.00	0.998	1.00	50.04	50.00	1.272	1.271	1.00
69	27:12	1.00	1.003	1.00	49.29	50.00	0.912	0.926	0.99
70	27:20	1.00	1.008	1.00	50.25	50.00	1.145	1.140	1.00
71	28:52	1.00	0.943	1.00	52.10	50.00	2.514	2.413	1.04
72	29:45	1.00	0.971	1.00	47.51	50.00	1.331	1.400	0.95
73	29:49	1.00	0.974	1.00	55.95	50.00	1.246	1.114	1.12
74	30:30	1.00	0.996	1.00	52.01	50.00	1.196	1.150	1.04
75	33:34	1.00	1.096	1.00	53.04	50.00	1.145	1.079	1.06
76	33:37	1.00	1.098	1.00	54.05	50.00	0.956	0.884	1.08
77	34:25	1.00	1.124	1.00	55.39	50.00	0.956	0.863	1.11

TCA FINISHED, 77 FOUND
FINISHED AT: 6/02/88 18:42:07

02325

RMAL QUANTITATION SUMMARY FILE: STDR991
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1 CI30	1,4-DICHLOROBENZENE	152	715	1	26622.	1.000	40.000
2	S2# 1 CI40	NAPHTHALENE-D8	136	954	2	100092.	1.000	40.000
3	S3# 1 CI50	ACENAPHTHENE-D10	164	1312	3	47365.	1.000	40.000
4	S4# 1 CI60	PHENANTHRENE-D10	188	1615	4	79608.	1.000	40.000
5	S5# 1 CI70	CHRYSENE-D12	240	2170	5	50572.	1.000	40.000
6	S6# 1 CI75	PERYLENE-D12	264	2451	6	38282.	1.000	40.000
7	S2# 2 CS20	NITROBENZENE-D5	82	822	2	54231.	0.433	48.341
8	S3# 3 CS25	2-FLUOROBIPHENYL	172	1176	3	82116.	1.387	49.081
9	S5# 2 CS30	TERPHENYL-D14	244	1951	5	67469.	1.067	48.466
10	S1# 3 CS45	PHENOL-D5	99	664	1	130366.	1.959	96.131
11	S1# 2 CS50	2-FLUOROPHENOL	112	516	1	90937.	1.366	93.134
12	S3# 2 CS55	2,4,6-TRIBROMOPHENO	330	1476	3	18316.	0.155	102.344
13	S1#105 C315	PHENOL	94	666	1	71142.	2.138	47.266
14	S1#110 C325	BIS(2-CHLOROETHYL)E	93	679	1	54287.	1.631	47.466
15	S1#115 C330	2-CHLOROPHENOL	128	685	1	45142.	1.357	48.101
16	S1#125 C335	1,3-DICHLOROBENZENE	146	709	1	50837.	1.528	49.717
17	S1#130 C340	1,4-DICHLOROBENZENE	146	718	1	52351.	1.573	49.052
18	S1#145 C345	BENZYL ALCOHOL	108	746	1	28949.	0.870	46.800
19	S1#150 C350	1,2-DICHLOROBENZENE	146	751	1	48549.	1.459	49.138
20	S1#160 C355	2-METHYLPHENOL	108	769	1	40811.	1.226	47.713
21	S1#165 C360	BIS(2-CHLOROISOPROP	45	774	1	86924.	2.612	50.217
22	S1#185 C365	4-METHYLPHENOL	108	797	1	44201.	1.328	46.697
23	S1#190 C370	N-NITROSO-DI-N-PROP	70	802	1	40500.	1.217	47.616
24	S1#200 C375	HEXACHLOROETHANE	117	807	1	19400.	0.583	48.178
25	S2# 10 C410	NITROBENZENE	77	825	2	54987.	0.439	48.263
26	S2# 20 C415	ISOPHORONE	82	871	2	101853.	0.814	48.463
27	S2# 25 C420	2-NITROPHENOL	139	885	2	24967.	0.200	48.244
28	S2# 30 C425	2,4-DIMETHYLPHENOL	107	896	2	40461.	0.323	49.413
29	S2# 35 C435	BIS(2-CHLOROETHOXY)	93	915	2	59119.	0.473	47.498
30	S2# 40 C440	2,4-DICHLOROPHENOL	162	931	2	35370.	0.283	50.494
31	S2# 45 C430	BENZOIC ACID	122	926	2	21200.	0.169	48.803
32	S2# 55 C445	1,2,4-TRICHLOROBENZ	180	947	2	36289.	0.290	48.893
33	S2# 60 C450	NAPHTHALENE	128	958	2	131498.	1.051	48.879
34	S2# 80 C455	4-CHLOROANALINE	127	975	2	53190.	0.425	48.169
35	S2# 95 C460	HEXACHLOROBUTADIENE	225	995	2	17770.	0.142	49.222
36	S2#130 C465	4-CHLORO-3-METHYLPH	107	1073	2	36931.	0.295	47.892
37	S2#145 C470	2-METHYLNAPHTHALENE	142	1096	2	80184.	0.641	50.084
38	S3# 20 C510	HEXACHLOROCYCLOPENT	237	1142	3	17132.	0.289	48.295
39	S3# 25 C515	2,4,6-TRICHLOROPHEN	196	1160	3	23521.	0.397	46.287
40	S3# 30 C520	2,4,5-TRICHLOROPHEN	196	1167	3	23430.	0.396	57.937
41	S3# 40 C525	2-CHLORONAPHTHALENE	162	1194	3	76247.	1.288	49.397
42	S3# 45 C530	2-NITROANALINE	65	1224	3	30825.	0.521	50.536
43	S3# 55 C535	DIMETHYLPHTHALATE	163	1271	3	87151.	1.472	50.927
44	S3# 65 C540	ACENAPHTHYLENE	152	1280	3	122819.	2.074	50.315
45	S3# 70 C543	2,6-DINITROTOLUENE	165	1284	3	21142.	0.357	51.204
46	S3# 75 C545	3-NITROANILINE	138	1310	3	23432.	0.396	52.319
47	S3# 80 C550	ACENAPHTHENE	153	1319	3	75266.	1.271	51.840
48	S3# 85 C555	2,4-DINITROPHENOL	184	1330	3	9254.	0.156	51.013
49	S3# 90 C565	DIBENZOFURAN	168	1351	3	106743.	1.803	50.669
50	S3# 95 C560	4-NITROPHENOL	109	1347	3	7874.	0.133	42.532

				HYLPHTHALATE	149	1417	3	86433.	1.460	50.709
53	S3#135	C590	FLUORENE		166	1423	3	86968.	1.469	51.565
54	S3#140	C585	4-CHLOROPHENYL-PHEN		204	1425	3	37329.	0.630	49.608
55	S3#150	C595	4-NITROANALINE		138	1438	3	12306.	0.208	29.909
56	S4# 10	C610	4,6-DINITRO-2-METHY		198	1446	4	14033.	0.141	51.847
57	S4# 15	C615	N-NITROSODIPHENYLAM		169	1452	4	59075.	0.594	48.005
58	S4# 30	C625	4-BROMOPHENYL-PHENY		248	1524	4	20294.	0.204	48.626
59	S4# 40	C630	HEXACHLOROBENZENE		284	1553	4	20807.	0.209	44.617
60	S4# 50	C635	PENTACHLOROPHENOL		266	1590	4	12006.	0.121	47.478
61	S4# 65	C640	PHENANTHRENE		178	1620	4	112960.	1.135	50.462
62	S4# 70	C645	ANTHRACENE		178	1629	4	106651.	1.072	48.496
63	S4# 85	C650	DI-N-BUTYLPHTHALATE		149	1753	4	144052.	1.448	50.254
64	S4#110	C655	FLUORANTHENE		202	1868	4	95128.	0.956	49.915
65	S5# 15	C715	PYRENE		202	1915	5	93777.	1.483	49.805
66	S5# 40	C720	BUTYLBENZYLPHTHALAT		149	2062	5	51324.	0.812	50.078
67	S5# 50	C730	BENZO(A)ANTHRACENE		228	2166	5	80441.	1.272	50.044
68	S5# 55	C725	3,3'-DICHLOROBENZID		252	2166	5	51681.	0.409	104.181
69	S5# 60	C740	CHRYSENE		228	2176	5	57678.	0.912	49.289
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH		149	2188	5	72402.	1.145	50.250
71	S6# 10	C760	DI-N-OCTYL PHTHALAT		149	2310	6	120306.	2.514	52.098
72	S6# 15	C765	BENZO(B)FLUORANTHEN		252	2381	6	63679.	1.331	47.512
73	S6# 25	C770	BENZO(K)FLUORANTHEN		252	2386	6	59637.	1.246	55.950
74	S6# 35	C775	BENZO(A)PYRENE		252	2441	6	57220.	1.196	52.010
75	S6# 55	C780	INDENO(1,2,3-CD)PYR		276	2688	6	54780.	1.145	53.044
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE		278	2692	6	45754.	0.956	54.049
77	S6# 65	C790	BENZO(G,H,I)PERYLEN		276	2756	6	45744.	0.956	55.393

Quantitation Report File: STDR991 02327

Data: STDR991.TI
06/02/88 17:53:00
Sample: 50 PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C430	BENZOIC ACID	122	S2# 45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
33	C450	NAPHTHALENE	128	S2# 60	91-20-3
34	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
42	C530	2-NITROANALINE	65	S3# 45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
46	C545	3-NITROANILINE	138	S3# 75	99-09-2
47	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9

No	Name			
48	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5
49	C565	DIBENZOFURAN	168 S3# 90	132-64-9
50	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	715	8:56	1	1.000	A BB	26622.	40.000 UG/ML	1.01
2	136	954	11:55	2	1.000	A BB	100092.	40.000 UG/ML	1.01
3	164	1312	16:24	3	1.000	A BB	47365.	40.000 UG/ML	1.01
4	188	1615	20:11	4	1.000	A BV	79608.	40.000 UG/ML	1.01
5	240	2170	27:07	5	1.000	A BB	50572.	40.000 UG/ML	1.01
6	264	2451	30:38	6	1.000	A BB	38282.	40.000 UG/ML	1.01
7	82	822	10:16	2	0.862	A BB	54231.	48.341 UG/ML	1.22
8	172	1176	14:42	3	0.896	A BB	82116.	49.081 UG/ML	1.24
9	244	1951	24:23	5	0.899	A BB	67469.	48.466 UG/ML	1.22
10	99	664	8:18	1	0.929	A BB	130366.	96.131 UG/ML	2.43
11	112	516	6:27	1	0.722	A BB	90937.	93.134 UG/ML	2.35
12	330	1476	18:27	3	1.125	A BB	18316.	102.344 UG/ML	2.58
13	94	666	8:19	1	0.931	A BV	71142.	47.266 UG/ML	1.19
14	93	679	8:29	1	0.950	A VV	54287.	47.466 UG/ML	1.20
15	128	685	8:34	1	0.958	A BB	45142.	48.101 UG/ML	1.21
16	146	709	8:52	1	0.992	A BV	50837.	49.717 UG/ML	1.25
17	146	718	8:58	1	1.004	A VB	52351.	49.052 UG/ML	1.24
18	108	746	9:19	1	1.043	A BB	28949.	46.800 UG/ML	1.18
19	146	751	9:23	1	1.050	A BB	48549.	49.138 UG/ML	1.24
20	108	769	9:37	1	1.076	A BB	40811.	47.713 UG/ML	1.20
21	45	774	9:40	1	1.083	A BB	86924.	50.217 UG/ML	1.27
22	108	797	9:58	1	1.115	A BB	44201.	46.697 UG/ML	1.18
23	70	802	10:01	1	1.122	A BB	40500.	47.616 UG/ML	1.20
24	117	807	10:05	1	1.129	A BB	19400.	48.178 UG/ML	1.22
25	77	825	10:19	2	0.865	A BV	54987.	48.263 UG/ML	1.22
26	82	871	10:53	2	0.913	A BB	101853.	48.463 UG/ML	1.22
27	139	885	11:04	2	0.928	A BB	24967.	48.244 UG/ML	1.22
28	107	896	11:12	2	0.939	A BB	40461.	49.413 UG/ML	1.25
29	93	915	11:26	2	0.959	A BB	59119.	47.498 UG/ML	1.20
30	162	931	11:38	2	0.976	A BB	35370.	50.494 UG/ML	1.27
31	122	926	11:34	2	0.971	A BB	21200.	48.803 UG/ML	1.23
32	180	947	11:50	2	0.993	A BB	36289.	48.893 UG/ML	1.23
33	128	958	11:58	2	1.004	A BV	131498.	48.879 UG/ML	1.23
34	127	975	12:11	2	1.022	A BB	53190.	48.169 UG/ML	1.22
35	225	995	12:26	2	1.043	A BB	17770.	49.222 UG/ML	1.24
36	107	1073	13:25	2	1.125	A BB	36931.	47.892 UG/ML	1.21
37	142	1096	13:42	2	1.149	A BB	80184.	50.084 UG/ML	1.26
38	237	1142	14:16	3	0.870	A BB	17132.	48.295 UG/ML	1.22
39	196	1160	14:30	3	0.884	A BV	23521.	46.287 UG/ML	1.17
40	196	1167	14:35	3	0.889	A VB	23430.	57.937 UG/ML	1.46
41	162	1194	14:55	3	0.910	A BB	76247.	49.396 UG/ML	1.25
42	65	1224	15:18	3	0.933	A BB	30825.	50.536 UG/ML	1.27
43	163	1271	15:53	3	0.969	A BB	87151.	50.927 UG/ML	1.28
44	152	1280	16:00	3	0.976	A BB	122819.	50.315 UG/ML	1.27
45	165	1284	16:03	3	0.979	A BB	21142.	51.204 UG/ML	1.29
46	138	1310	16:22	3	0.998	A BB	23432.	52.319 UG/ML	1.32
47	153	1319	16:29	3	1.005	A BB	75266.	51.840 UG/ML	1.31
48	184	1330	16:37	3	1.014	A BB	9254.	51.013 UG/ML	1.29
49	168	1351	16:53	3	1.030	A BB	106743.	50.669 UG/ML	1.28
50	109	1347	16:50	3	1.027	A BB	7874.	42.532 UG/ML	1.07

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	30:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:17	1.00	0.862	1.00	48.34	50.00	0.433	0.448	0.97
8	14:43	1.00	0.896	1.00	49.08	50.00	1.387	1.413	0.98
9	24:23	1.00	0.899	1.00	48.47	50.00	1.067	1.101	0.97
10	8:19	1.00	0.929	1.00	96.13	100.00	1.959	2.038	0.96
11	6:28	1.00	0.722	1.00	93.13	100.00	1.366	1.467	0.93
12	18:28	1.00	1.125	1.00	102.34	100.00	0.155	0.151	1.02
13	8:21	1.00	0.932	1.00	47.27	50.00	2.138	2.261	0.95
14	8:30	1.00	0.948	1.00	47.47	50.00	1.631	1.718	0.95
15	8:35	1.00	0.958	1.00	48.10	50.00	1.357	1.410	0.96
16	8:52	1.00	0.990	1.00	49.72	50.00	1.528	1.536	0.99
17	9:00	1.00	1.004	1.00	49.05	50.00	1.573	1.604	0.98
18	9:21	1.00	1.043	1.00	46.80	50.00	0.870	0.929	0.94
19	9:25	1.00	1.050	1.00	49.14	50.00	1.459	1.484	0.98
20	9:38	1.00	1.075	1.00	47.71	50.00	1.226	1.285	0.95
21	9:42	1.00	1.082	1.00	50.22	50.00	2.612	2.601	1.00
22	9:58	1.00	1.113	1.00	46.70	50.00	1.328	1.422	0.93
23	10:03	1.00	1.121	1.00	47.62	50.00	1.217	1.278	0.95
24	10:06	1.00	1.127	1.00	48.18	50.00	0.583	0.605	0.96
25	10:20	1.00	0.866	1.00	48.26	50.00	0.439	0.455	0.97
26	10:54	1.00	0.913	1.00	48.46	50.00	0.814	0.840	0.97
27	11:04	1.00	0.928	1.00	48.24	50.00	0.200	0.207	0.96
28	11:13	1.00	0.939	1.00	49.41	50.00	0.323	0.327	0.99
29	11:28	1.00	0.960	1.00	47.50	50.00	0.473	0.497	0.95
30	11:39	1.00	0.976	1.00	50.49	50.00	0.283	0.280	1.01
31	11:34	1.00	0.970	1.00	48.80	50.00	0.169	0.174	0.98
32	11:51	1.00	0.993	1.00	48.89	50.00	0.290	0.297	0.98
33	11:59	1.00	1.004	1.00	48.88	50.00	1.051	1.075	0.98
34	12:12	1.00	1.022	1.00	48.17	50.00	0.425	0.441	0.96
35	12:27	1.00	1.043	1.00	49.22	50.00	0.142	0.144	0.98
36	13:25	1.00	1.125	1.00	47.89	50.00	0.295	0.308	0.96
37	13:43	1.00	1.149	1.00	50.08	50.00	0.641	0.640	1.00
38	14:17	1.00	0.871	1.00	48.29	50.00	0.289	0.300	0.97
39	14:31	1.00	0.884	1.00	46.29	50.00	0.397	0.429	0.93
40	14:36	1.00	0.890	1.00	57.94	50.00	0.396	0.342	1.16
41	14:56	1.00	0.910	1.00	49.40	50.00	1.288	1.304	0.99
42	15:19	1.00	0.933	1.00	50.54	50.00	0.521	0.515	1.01
43	15:54	1.00	0.969	1.00	50.93	50.00	1.472	1.445	1.02
44	16:01	1.00	0.976	1.00	50.32	50.00	2.074	2.061	1.01
45	16:04	1.00	0.979	1.00	51.20	50.00	0.357	0.349	1.02
46	16:23	1.00	0.998	1.00	52.32	50.00	0.396	0.378	1.05
47	16:30	1.00	1.005	1.00	51.84	50.00	1.271	1.226	1.04
48	16:38	1.00	1.014	1.00	51.01	50.00	0.156	0.153	1.02
49	16:54	1.00	1.030	1.00	50.67	50.00	1.803	1.779	1.01
50	16:51	1.00	1.027	1.00	42.53	50.00	0.133	0.156	0.85

02330

Quantitation Report File: STDR991

Data: STDR991.TI
06/02/88 17:53:00
Sample: 50 PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
51	C570 2,4-DINITROTOLUENE	165	S3#105	121-14-2
52	C580 DIETHYLPHTHALATE	149	S3#130	84-66-2
53	C590 FLUORENE	166	S3#135	86-73-7
54	C585 4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
55	C610 4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
56	C615 N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
57	C625 4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
58	C630 HEXACHLOROBENZENE	284	S4# 40	118-74-1
59	C635 PENTACHLOROPHENOL	266	S4# 50	87-86-5
60	C640 PHENANTHRENE	178	S4# 65	85-01-8
61	C645 ANTHRACENE	178	S4# 70	120-12-7
62	C650 DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
63	C655 FLUORANTHENE	202	S4#110CC	206-44-0
64	C715 PYRENE	202	S5# 15	129-00-0
65	C720 BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
66	C730 BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
67	C725 3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
68	C740 CHRYSENE	228	S5# 60	218-01-9
69	C745 BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
70	C760 DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
71	C765 BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
72	C770 BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
73	C775 BENZO(A)PYRENE	252	S6# 35	50-32-8
74	C780 INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
75	C785 DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
76	C790 BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2
77	C595 4-NITROANALINE	138	S3#150	100-01-6

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1363	17:02	3	1.039	A BB	26315.	52.132 UG/ML	1.32
52	149	1417	17:43	3	1.080	A BB	86433.	50.709 UG/ML	1.28
53	166	1423	17:47	3	1.085	A BB	86968.	51.565 UG/ML	1.30
54	204	1425	17:49	3	1.086	A BB	37329.	49.608 UG/ML	1.25
55	198	1446	18:04	4	0.895	A BB	14033.	51.847 UG/ML	1.31
56	169	1452	18:09	4	0.899	A BB	59075.	48.005 UG/ML	1.21
57	248	1524	19:03	4	0.944	A BB	20294.	48.626 UG/ML	1.23
58	284	1553	19:25	4	0.962	A BB	20807.	44.617 UG/ML	1.13
59	266	1590	19:52	4	0.985	A BB	12006.	47.478 UG/ML	1.20
60	178	1620	20:15	4	1.003	A BV	112960.	50.462 UG/ML	1.27
61	178	1629	20:22	4	1.009	A VB	106651.	48.496 UG/ML	1.22
62	149	1753	21:55	4	1.085	A BB	144052.	50.254 UG/ML	1.27
63	202	1868	23:21	4	1.157	A BB	95128.	49.915 UG/ML	1.26
64	202	1915	23:56	5	0.882	A BB	93777.	49.805 UG/ML	1.26
65	149	2062	25:46	5	0.950	A BB	51324.	50.078 UG/ML	1.26
66	228	2166	27:04	5	0.998	A BV	80441.	50.044 UG/ML	1.26

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	2166	27:04	5	0.998	A BB	51681.	104.181	UG/ML	2.63
68	228	2176	27:12	5	1.003	A VB	57678.	49.289	UG/ML	1.24
69	149	2188	27:21	5	1.008	A BB	72402.	50.250	UG/ML	1.27
70	149	2310	28:52	6	0.942	A BB	120306.	52.097	UG/ML	1.31
71	252	2381	29:46	6	0.971	A BV	63679.	47.512	UG/ML	1.20
72	252	2386	29:49	6	0.973	A VB	59637.	55.950	UG/ML	1.41
73	252	2441	30:31	6	0.996	A BB	57220.	52.010	UG/ML	1.31
74	276	2688	33:36	6	1.097	A BB	54780.	53.044	UG/ML	1.34
75	278	2692	33:39	6	1.098	A BB	45754.	54.049	UG/ML	1.36
76	276	2756	34:27	6	1.124	A BB	45744.	55.393	UG/ML	1.40
77	138	1438	17:58	3	1.096	M XX	21915.	53.264	UG/ML	1.34

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:02	1.00	1.038	1.00	52.13	50.00	0.444	0.426	1.04
52	17:43	1.00	1.080	1.00	50.71	50.00	1.460	1.439	1.01
53	17:47	1.00	1.084	1.00	51.57	50.00	1.469	1.424	1.03
54	17:49	1.00	1.085	1.00	49.61	50.00	0.630	0.635	0.99
55	18:05	1.00	0.895	1.00	51.85	50.00	0.141	0.136	1.04
56	18:09	1.00	0.899	1.00	48.00	50.00	0.594	0.618	0.96
57	19:04	1.00	0.944	1.00	48.63	50.00	0.204	0.210	0.97
58	19:25	1.00	0.962	1.00	44.62	50.00	0.209	0.234	0.89
59	19:53	1.00	0.985	1.00	47.48	50.00	0.121	0.127	0.95
60	20:16	1.00	1.003	1.00	50.46	50.00	1.135	1.125	1.01
61	20:22	1.00	1.009	1.00	48.50	50.00	1.072	1.105	0.97
62	21:55	1.00	1.085	1.00	50.25	50.00	1.448	1.440	1.01
63	23:21	1.00	1.156	1.00	49.91	50.00	0.956	0.958	1.00
64	23:55	1.00	0.882	1.00	49.80	50.00	1.483	1.489	1.00
65	25:46	1.00	0.950	1.00	50.08	50.00	0.812	0.811	1.00
66	27:04	1.00	0.998	1.00	50.04	50.00	1.272	1.271	1.00
67	27:04	1.00	0.998	1.00	104.18	100.00	0.409	0.392	1.04
68	27:12	1.00	1.003	1.00	49.29	50.00	0.912	0.926	0.99
69	27:20	1.00	1.008	1.00	50.25	50.00	1.145	1.140	1.00
70	28:52	1.00	0.943	1.00	52.10	50.00	2.514	2.413	1.04
71	29:45	1.00	0.971	1.00	47.51	50.00	1.331	1.400	0.95
72	29:49	1.00	0.974	1.00	55.95	50.00	1.246	1.114	1.12
73	30:30	1.00	0.996	1.00	52.01	50.00	1.196	1.150	1.04
74	33:34	1.00	1.096	1.00	53.04	50.00	1.145	1.079	1.06
75	33:37	1.00	1.098	1.00	54.05	50.00	0.956	0.884	1.08
76	34:25	1.00	1.124	1.00	55.39	50.00	0.956	0.863	1.11
77	17:58	1.00	1.095	1.00	53.26	50.00	0.370	0.347	1.07

RMAL QUANTITATION SUMMARY FILE: STDR991
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1 CI30	1,4-DICHLOROBENZENE	152	715	1	26622.	1.000	40.000
2	S2# 1 CI40	NAPHTHALENE-D8	136	954	2	100092.	1.000	40.000
3	S3# 1 CI50	ACENAPHTHENE-D10	164	1312	3	47365.	1.000	40.000
4	S4# 1 CI60	PHENANTHRENE-D10	188	1615	4	79608.	1.000	40.000
5	S5# 1 CI70	CHRYSENE-D12	240	2170	5	50572.	1.000	40.000
6	S6# 1 CI75	PERYLENE-D12	264	2451	6	38282.	1.000	40.000
7	S2# 2 CS20	NITROBENZENE-D5	82	822	2	54231.	0.433	48.341
8	S3# 3 CS25	2-FLUOROBIPHENYL	172	1176	3	82116.	1.387	49.081
9	S5# 2 CS30	TERPHENYL-D14	244	1951	5	67469.	1.067	48.466
10	S1# 3 CS45	PHENOL-D5	99	664	1	130366.	1.959	96.131
11	S1# 2 CS50	2-FLUOROPHENOL	112	516	1	90937.	1.366	93.134
12	S3# 2 CS55	2,4,6-TRIBROMOPHENO	330	1476	3	18316.	0.155	102.344
13	S1#105 C315	PHENOL	94	666	1	71142.	2.138	47.266
14	S1#110 C325	BIS(2-CHLOROETHYL)E	93	679	1	54287.	1.631	47.466
15	S1#115 C330	2-CHLOROPHENOL	128	685	1	45142.	1.357	48.101
16	S1#125 C335	1,3-DICHLOROBENZENE	146	709	1	50837.	1.528	49.717
17	S1#130 C340	1,4-DICHLOROBENZENE	146	718	1	52351.	1.573	49.052
18	S1#145 C345	BENZYL ALCOHOL	108	746	1	28949.	0.870	46.800
19	S1#150 C350	1,2-DICHLOROBENZENE	146	751	1	48549.	1.459	49.138
20	S1#160 C355	2-METHYLPHENOL	108	769	1	40811.	1.226	47.713
21	S1#165 C360	BIS(2-CHLOROISOPROP	45	774	1	86924.	2.612	50.217
22	S1#185 C365	4-METHYLPHENOL	108	797	1	44201.	1.328	46.697
23	S1#190 C370	N-NITROSO-DI-N-PROP	70	802	1	40500.	1.217	47.616
24	S1#200 C375	HEXACHLOROETHANE	117	807	1	19400.	0.583	48.178
25	S2# 10 C410	NITROBENZENE	77	825	2	54987.	0.439	48.263
26	S2# 20 C415	ISOPHORONE	82	871	2	101853.	0.814	48.463
27	S2# 25 C420	2-NITROPHENOL	139	885	2	24967.	0.200	48.244
28	S2# 30 C425	2,4-DIMETHYLPHENOL	107	896	2	40461.	0.323	49.413
29	S2# 35 C435	BIS(2-CHLOROETHOXY)	93	915	2	59119.	0.473	47.498
30	S2# 40 C440	2,4-DICHLOROPHENOL	162	931	2	35370.	0.283	50.494
31	S2# 45 C430	BENZOIC ACID	122	926	2	21200.	0.169	48.803
32	S2# 55 C445	1,2,4-TRICHLOROBENZ	180	947	2	36289.	0.290	48.893
33	S2# 60 C450	NAPHTHALENE	128	958	2	131498.	1.051	48.879
34	S2# 80 C455	4-CHLOROANALINE	127	975	2	53190.	0.425	48.169
35	S2# 95 C460	HEXACHLOROBUTADIENE	225	995	2	17770.	0.142	49.222
36	S2#130 C465	4-CHLORO-3-METHYLPH	107	1073	2	36931.	0.295	47.892
37	S2#145 C470	2-METHYLNAPHTHALENE	142	1096	2	80184.	0.641	50.084
38	S3# 20 C510	HEXACHLOROCYCLOPENT	237	1142	3	17132.	0.289	48.295
39	S3# 25 C515	2,4,6-TRICHLOROPHEN	196	1160	3	23521.	0.397	46.287
40	S3# 30 C520	2,4,5-TRICHLOROPHEN	196	1167	3	23430.	0.396	57.937
41	S3# 40 C525	2-CHLORONAPHTHALENE	162	1194	3	76247.	1.288	49.397
42	S3# 45 C530	2-NITROANALINE	65	1224	3	30825.	0.521	50.536
43	S3# 55 C535	DIMETHYLPHTHALATE	163	1271	3	87151.	1.472	50.927
44	S3# 65 C540	ACENAPHTHYLENE	152	1280	3	122819.	2.074	50.315
45	S3# 70 C543	2,6-DINITROTOLUENE	165	1284	3	21142.	0.357	51.204
46	S3# 75 C545	3-NITROANILINE	138	1310	3	23432.	0.396	52.319
47	S3# 80 C550	ACENAPHTHENE	153	1319	3	75266.	1.271	51.840
48	S3# 85 C555	2,4-DINITROPHENOL	184	1330	3	9254.	0.156	51.013
49	S3# 90 C565	DIBENZOFURAN	168	1351	3	106743.	1.803	50.669
50	S3# 95 C560	4-NITROPHENOL	109	1347	3	7874.	0.133	42.532
51	S3#105 C570	2,4-DINITROTOLUENE	165	1363	3	26315.	0.444	52.132
52	S3#130 C580	DIETHYLPHTHALATE	149	1417	3	86433.	1.460	50.709

54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1425	3	37329.	0.630	49.608
55	S3#150	C595	4-NITROANALINE	138	1438	3	21915.	0.370	53.264
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1446	4	14033.	0.141	51.847
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1452	4	59075.	0.594	48.005
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1524	4	20294.	0.204	48.626
59	S4# 40	C630	HEXACHLOROBENZENE	284	1553	4	20807.	0.209	44.617
60	S4# 50	C635	PENTACHLOROPHENOL	266	1590	4	12006.	0.121	47.478
61	S4# 65	C640	PHENANTHRENE	178	1620	4	112960.	1.135	50.462
62	S4# 70	C645	ANTHRACENE	178	1629	4	106651.	1.072	48.496
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1753	4	144052.	1.448	50.254
64	S4#110	C655	FLUORANTHENE	202	1868	4	95128.	0.956	49.915
65	S5# 15	C715	PYRENE	202	1915	5	93777.	1.483	49.805
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2062	5	51324.	0.812	50.078
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2166	5	80441.	1.272	50.044
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2166	5	51681.	0.409	104.181
69	S5# 60	C740	CHRYSENE	228	2176	5	57678.	0.912	49.289
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2188	5	72402.	1.145	50.250
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	120306.	2.514	52.098
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2381	6	63679.	1.331	47.512
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2386	6	59637.	1.246	55.950
74	S6# 35	C775	BENZO(A)PYRENE	252	2441	6	57220.	1.196	52.010
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2688	6	54780.	1.145	53.044
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2692	6	45754.	0.956	54.049
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2756	6	45744.	0.956	55.393

Quantitation Report File: STDR991

02334

Data: STDR991.TI
06/02/88 17:53:00
Sample: 50 PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C430	BENZOIC ACID	122	S2# 45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
33	C450	NAPHTHALENE	128	S2# 60	91-20-3
34	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
42	C530	2-NITROANALINE	65	S3# 45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
46	C545	3-NITROANILINE	138	S3# 75	99-09-2
47	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9

No	Name			
48	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5
49	C565	DIBENZOFURAN	168 S3# 90	132-64-9
50	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	715	8:56	1	1.000	A BB	26622.	40.000 UG/ML	1.00
2	136	954	11:55	2	1.000	A BB	100092.	40.000 UG/ML	1.00
3	164	1312	16:24	3	1.000	A BB	47365.	40.000 UG/ML	1.00
4	188	1615	20:11	4	1.000	A BV	79608.	40.000 UG/ML	1.00
5	240	2170	27:07	5	1.000	A BB	50572.	40.000 UG/ML	1.00
6	264	2451	30:38	6	1.000	A BB	38282.	40.000 UG/ML	1.00
7	82	822	10:16	2	0.862	A BB	54231.	50.000 UG/ML	1.25
8	172	1176	14:42	3	0.896	A BB	82116.	50.000 UG/ML	1.25
9	244	1951	24:23	5	0.899	A BB	67469.	50.000 UG/ML	1.25
10	99	664	8:18	1	0.929	A BB	130366.	100.000 UG/ML	2.51
11	112	516	6:27	1	0.722	A BB	90937.	100.000 UG/ML	2.51
12	330	1476	18:27	3	1.125	A BB	18316.	100.000 UG/ML	2.51
13	94	666	8:19	1	0.931	A BV	71142.	50.000 UG/ML	1.25
14	93	679	8:29	1	0.950	A VV	54287.	50.000 UG/ML	1.25
15	128	685	8:34	1	0.958	A BB	45142.	50.000 UG/ML	1.25
16	146	709	8:52	1	0.992	A BV	50837.	50.000 UG/ML	1.25
17	146	718	8:58	1	1.004	A VB	52351.	50.000 UG/ML	1.25
18	108	746	9:19	1	1.043	A BB	28949.	50.000 UG/ML	1.25
19	146	751	9:23	1	1.050	A BB	48549.	50.000 UG/ML	1.25
20	108	769	9:37	1	1.076	A BB	40811.	50.000 UG/ML	1.25
21	45	774	9:40	1	1.083	A BB	86924.	50.000 UG/ML	1.25
22	108	797	9:58	1	1.115	A BB	44201.	50.000 UG/ML	1.25
23	70	802	10:01	1	1.122	A BB	40500.	50.000 UG/ML	1.25
24	117	807	10:05	1	1.129	A BB	19400.	50.000 UG/ML	1.25
25	77	825	10:19	2	0.865	A BV	54987.	50.000 UG/ML	1.25
26	82	871	10:53	2	0.913	A BB	101853.	50.000 UG/ML	1.25
27	139	885	11:04	2	0.928	A BB	24967.	50.000 UG/ML	1.25
28	107	896	11:12	2	0.939	A BB	40461.	50.000 UG/ML	1.25
29	93	915	11:26	2	0.959	A BB	59119.	50.000 UG/ML	1.25
30	162	931	11:38	2	0.976	A BB	35370.	50.000 UG/ML	1.25
31	122	926	11:34	2	0.971	A BB	21200.	50.000 UG/ML	1.25
32	180	947	11:50	2	0.993	A BB	36289.	50.000 UG/ML	1.25
33	128	958	11:58	2	1.004	A BV	131498.	50.000 UG/ML	1.25
34	127	975	12:11	2	1.022	A BB	53190.	50.000 UG/ML	1.25
35	225	995	12:26	2	1.043	A BB	17770.	50.000 UG/ML	1.25
36	107	1073	13:25	2	1.125	A BB	36931.	50.000 UG/ML	1.25
37	142	1096	13:42	2	1.149	A BB	80184.	50.000 UG/ML	1.25
38	237	1142	14:16	3	0.870	A BB	17132.	50.000 UG/ML	1.25
39	196	1160	14:30	3	0.884	A BV	23521.	50.000 UG/ML	1.25
40	196	1167	14:35	3	0.889	A VB	23430.	50.000 UG/ML	1.25
41	162	1194	14:55	3	0.910	A BB	76247.	50.000 UG/ML	1.25
42	65	1224	15:18	3	0.933	A BB	30825.	50.000 UG/ML	1.25
43	163	1271	15:53	3	0.969	A BB	87151.	50.000 UG/ML	1.25
44	152	1280	16:00	3	0.976	A BB	122819.	50.000 UG/ML	1.25
45	165	1284	16:03	3	0.979	A BB	21142.	50.000 UG/ML	1.25
46	138	1310	16:22	3	0.998	A BB	23432.	50.000 UG/ML	1.25
47	153	1319	16:29	3	1.005	A BB	75266.	50.000 UG/ML	1.25
48	184	1330	16:37	3	1.014	A BB	9254.	50.000 UG/ML	1.25
49	168	1351	16:53	3	1.030	A BB	106743.	50.000 UG/ML	1.25
50	109	1347	16:50	3	1.027	A BB	7874.	50.000 UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	30:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:16	1.00	0.862	1.00	50.00	50.00	0.433	0.433	1.00
8	14:42	1.00	0.896	1.00	50.00	50.00	1.387	1.387	1.00
9	24:23	1.00	0.899	1.00	50.00	50.00	1.067	1.067	1.00
10	8:18	1.00	0.929	1.00	100.00	100.00	1.959	1.959	1.00
11	6:27	1.00	0.722	1.00	100.00	100.00	1.366	1.366	1.00
12	18:27	1.00	1.125	1.00	100.00	100.00	0.155	0.155	1.00
13	8:19	1.00	0.931	1.00	50.00	50.00	2.138	2.138	1.00
14	8:29	1.00	0.950	1.00	50.00	50.00	1.631	1.631	1.00
15	8:34	1.00	0.958	1.00	50.00	50.00	1.357	1.357	1.00
16	8:52	1.00	0.992	1.00	50.00	50.00	1.528	1.528	1.00
17	8:58	1.00	1.004	1.00	50.00	50.00	1.573	1.573	1.00
18	9:19	1.00	1.043	1.00	50.00	50.00	0.870	0.870	1.00
19	9:23	1.00	1.050	1.00	50.00	50.00	1.459	1.459	1.00
20	9:37	1.00	1.076	1.00	50.00	50.00	1.226	1.226	1.00
21	9:40	1.00	1.083	1.00	50.00	50.00	2.612	2.612	1.00
22	9:58	1.00	1.115	1.00	50.00	50.00	1.328	1.328	1.00
23	10:01	1.00	1.122	1.00	50.00	50.00	1.217	1.217	1.00
24	10:05	1.00	1.129	1.00	50.00	50.00	0.583	0.583	1.00
25	10:19	1.00	0.865	1.00	50.00	50.00	0.439	0.439	1.00
26	10:53	1.00	0.913	1.00	50.00	50.00	0.814	0.814	1.00
27	11:04	1.00	0.928	1.00	50.00	50.00	0.200	0.200	1.00
28	11:12	1.00	0.939	1.00	50.00	50.00	0.323	0.323	1.00
29	11:26	1.00	0.959	1.00	50.00	50.00	0.473	0.473	1.00
30	11:38	1.00	0.976	1.00	50.00	50.00	0.283	0.283	1.00
31	11:34	1.00	0.971	1.00	50.00	50.00	0.169	0.169	1.00
32	11:50	1.00	0.993	1.00	50.00	50.00	0.290	0.290	1.00
33	11:58	1.00	1.004	1.00	50.00	50.00	1.051	1.051	1.00
34	12:11	1.00	1.022	1.00	50.00	50.00	0.425	0.425	1.00
35	12:26	1.00	1.043	1.00	50.00	50.00	0.142	0.142	1.00
36	13:25	1.00	1.125	1.00	50.00	50.00	0.295	0.295	1.00
37	13:42	1.00	1.149	1.00	50.00	50.00	0.641	0.641	1.00
38	14:16	1.00	0.870	1.00	50.00	50.00	0.289	0.289	1.00
39	14:30	1.00	0.884	1.00	50.00	50.00	0.397	0.397	1.00
40	14:35	1.00	0.889	1.00	50.00	50.00	0.396	0.396	1.00
41	14:55	1.00	0.910	1.00	50.00	50.00	1.288	1.288	1.00
42	15:18	1.00	0.933	1.00	50.00	50.00	0.521	0.521	1.00
43	15:53	1.00	0.969	1.00	50.00	50.00	1.472	1.472	1.00
44	16:00	1.00	0.976	1.00	50.00	50.00	2.074	2.074	1.00
45	16:03	1.00	0.979	1.00	50.00	50.00	0.357	0.357	1.00
46	16:22	1.00	0.998	1.00	50.00	50.00	0.396	0.396	1.00
47	16:29	1.00	1.005	1.00	50.00	50.00	1.271	1.271	1.00
48	16:37	1.00	1.014	1.00	50.00	50.00	0.156	0.156	1.00
49	16:53	1.00	1.030	1.00	50.00	50.00	1.803	1.803	1.00
50	16:50	1.00	1.027	1.00	50.00	50.00	0.133	0.133	1.00

Quantitation Report File: STDR991

02337

Data: STDR991.TI
06/02/88 17:53:00
Sample: 50 PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
51	C570 2,4-DINITROTOLUENE	165	S3#105	121-14-2
52	C580 DIETHYLPHTHALATE	149	S3#130	84-66-2
53	C590 FLUORENE	166	S3#135	86-73-7
54	C585 4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
55	C595 4-NITROANALINE	138	S3#150	100-01-6
56	C610 4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
57	C615 N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
58	C625 4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630 HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	C635 PENTACHLOROPHENOL	266	S4# 50	87-86-5
61	C640 PHENANTHRENE	178	S4# 65	85-01-8
62	C645 ANTHRACENE	178	S4# 70	120-12-7
63	C650 DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
64	C655 FLUORANTHENE	202	S4#110CC	206-44-0
65	C715 PYRENE	202	S5# 15	129-00-0
66	C720 BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730 BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725 3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740 CHRYSENE	228	S5# 60	218-01-9
70	C745 BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760 DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765 BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770 BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775 BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780 INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785 DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790 BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1363	17:02	3	1.039	A BB	26315.	50.000 UG/ML	1.25
52	149	1417	17:43	3	1.080	A BB	86433.	50.000 UG/ML	1.25
53	166	1423	17:47	3	1.085	A BB	86968.	50.000 UG/ML	1.25
54	204	1425	17:49	3	1.086	A BB	37329.	50.000 UG/ML	1.25
55	138	1438	17:58	3	1.096	M XX	21915.	50.000 UG/ML	1.25
56	198	1446	18:04	4	0.895	A BB	14033.	50.000 UG/ML	1.25
57	169	1452	18:09	4	0.899	A BB	59075.	50.000 UG/ML	1.25
58	248	1524	19:03	4	0.944	A BB	20294.	50.000 UG/ML	1.25
59	284	1553	19:25	4	0.962	A BB	20807.	50.000 UG/ML	1.25
60	266	1590	19:52	4	0.985	A BB	12006.	50.000 UG/ML	1.25
61	178	1620	20:15	4	1.003	A BV	112960.	50.000 UG/ML	1.25
62	178	1629	20:22	4	1.009	A VB	106651.	50.000 UG/ML	1.25
63	149	1753	21:55	4	1.085	A BB	144052.	50.000 UG/ML	1.25
64	202	1868	23:21	4	1.157	A BB	95128.	50.000 UG/ML	1.25
65	202	1915	23:56	5	0.882	A BB	93777.	50.000 UG/ML	1.25
66	149	2062	25:46	5	0.950	A BB	51324.	50.000 UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	228	2166	27:04	5	0.998	A BV	80441.	50.000 UG/ML	1.25
68	252	2166	27:04	5	0.998	A BB	51681.	100.000 UG/ML	2.51
69	228	2176	27:12	5	1.003	A VB	57678.	50.000 UG/ML	1.25
70	149	2188	27:21	5	1.008	A BB	72402.	50.000 UG/ML	1.25
71	149	2310	28:52	6	0.942	A BB	120306.	50.000 UG/ML	1.25
72	252	2381	29:46	6	0.971	A BV	63679.	50.000 UG/ML	1.25
73	252	2386	29:49	6	0.973	A VB	59637.	50.000 UG/ML	1.25
74	252	2441	30:31	6	0.996	A BB	57220.	50.000 UG/ML	1.25
75	276	2688	33:36	6	1.097	A BB	54780.	50.000 UG/ML	1.25
76	278	2692	33:39	6	1.098	A BB	45754.	50.000 UG/ML	1.25
77	276	2756	34:27	6	1.124	A BB	45744.	50.000 UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:02	1.00	1.039	1.00	50.00	50.00	0.444	0.444	1.00
52	17:43	1.00	1.080	1.00	50.00	50.00	1.460	1.460	1.00
53	17:47	1.00	1.085	1.00	50.00	50.00	1.469	1.469	1.00
54	17:49	1.00	1.086	1.00	50.00	50.00	0.630	0.630	1.00
55	17:58	1.00	1.096	1.00	50.00	50.00	0.370	0.370	1.00
56	18:04	1.00	0.895	1.00	50.00	50.00	0.141	0.141	1.00
57	18:09	1.00	0.899	1.00	50.00	50.00	0.594	0.594	1.00
58	19:03	1.00	0.944	1.00	50.00	50.00	0.204	0.204	1.00
59	19:25	1.00	0.962	1.00	50.00	50.00	0.209	0.209	1.00
60	19:52	1.00	0.985	1.00	50.00	50.00	0.121	0.121	1.00
61	20:15	1.00	1.003	1.00	50.00	50.00	1.135	1.135	1.00
62	20:22	1.00	1.009	1.00	50.00	50.00	1.072	1.072	1.00
63	21:55	1.00	1.085	1.00	50.00	50.00	1.448	1.448	1.00
64	23:21	1.00	1.157	1.00	50.00	50.00	0.956	0.956	1.00
65	23:56	1.00	0.882	1.00	50.00	50.00	1.483	1.483	1.00
66	25:46	1.00	0.950	1.00	50.00	50.00	0.812	0.812	1.00
67	27:04	1.00	0.998	1.00	50.00	50.00	1.272	1.272	1.00
68	27:04	1.00	0.998	1.00	100.00	100.00	0.409	0.409	1.00
69	27:12	1.00	1.003	1.00	50.00	50.00	0.912	0.912	1.00
70	27:21	1.00	1.008	1.00	50.00	50.00	1.145	1.145	1.00
71	28:52	1.00	0.942	1.00	50.00	50.00	2.514	2.514	1.00
72	29:46	1.00	0.971	1.00	50.00	50.00	1.331	1.331	1.00
73	29:49	1.00	0.973	1.00	50.00	50.00	1.246	1.246	1.00
74	30:31	1.00	0.996	1.00	50.00	50.00	1.196	1.196	1.00
75	33:36	1.00	1.097	1.00	50.00	50.00	1.145	1.145	1.00
76	33:39	1.00	1.098	1.00	50.00	50.00	0.956	0.956	1.00
77	34:27	1.00	1.124	1.00	50.00	50.00	0.956	0.956	1.00

02339

RMAL QUANTITATION SUMMARY FILE: STDR991
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	715	1	26622.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	954	2	100092.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1312	3	47365.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1615	4	79608.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2170	5	50572.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2451	6	38282.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	822	2	54231.	0.433	50.000
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1176	3	82116.	1.387	50.000
9	S5# 2	CS30 TERPHENYL-D14	244	1951	5	67469.	1.067	50.000
10	S1# 3	CS45 PHENOL-D5	99	664	1	130366.	1.959	100.000
11	S1# 2	CS50 2-FLUOROPHENOL	112	516	1	90937.	1.366	100.000
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1476	3	18316.	0.155	100.000
13	S1#105	C315 PHENOL	94	666	1	71142.	2.138	50.000
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	679	1	54287.	1.631	50.000
15	S1#115	C330 2-CHLOROPHENOL	128	685	1	45142.	1.357	50.000
16	S1#125	C335 1,3-DICHLOROBENZENE	146	709	1	50837.	1.528	50.000
17	S1#130	C340 1,4-DICHLOROBENZENE	146	718	1	52351.	1.573	50.000
18	S1#145	C345 BENZYL ALCOHOL	108	746	1	28949.	0.870	50.000
19	S1#150	C350 1,2-DICHLOROBENZENE	146	751	1	48549.	1.459	50.000
20	S1#160	C355 2-METHYLPHENOL	108	769	1	40811.	1.226	50.000
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	774	1	86924.	2.612	50.000
22	S1#185	C365 4-METHYLPHENOL	108	797	1	44201.	1.328	50.000
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	802	1	40500.	1.217	50.000
24	S1#200	C375 HEXACHLOROETHANE	117	807	1	19400.	0.583	50.000
25	S2# 10	C410 NITROBENZENE	77	825	2	54987.	0.439	50.000
26	S2# 20	C415 ISOPHORONE	82	871	2	101853.	0.814	50.000
27	S2# 25	C420 2-NITROPHENOL	139	885	2	24967.	0.200	50.000
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	896	2	40461.	0.323	50.000
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	915	2	59119.	0.473	50.000
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	931	2	35370.	0.283	50.000
31	S2# 45	C430 BENZOIC ACID	122	926	2	21200.	0.169	50.000
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	947	2	36289.	0.290	50.000
33	S2# 60	C450 NAPHTHALENE	128	958	2	131498.	1.051	50.000
34	S2# 80	C455 4-CHLOROANALINE	127	975	2	53190.	0.425	50.000
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	995	2	17770.	0.142	50.000
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1073	2	36931.	0.295	50.000
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1096	2	80184.	0.641	50.000
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1142	3	17132.	0.289	50.000
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1160	3	23521.	0.397	50.000
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1167	3	23430.	0.396	50.000
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1194	3	76247.	1.288	50.000
42	S3# 45	C530 2-NITROANALINE	65	1224	3	30825.	0.521	50.000
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1271	3	87151.	1.472	50.000
44	S3# 65	C540 ACENAPHTHYLENE	152	1280	3	122819.	2.074	50.000
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1284	3	21142.	0.357	50.000
46	S3# 75	C545 3-NITROANILINE	138	1310	3	23432.	0.396	50.000
47	S3# 80	C550 ACENAPHTHENE	153	1319	3	75266.	1.271	50.000
48	S3# 85	C555 2,4-DINITROPHENOL	184	1330	3	9254.	0.156	50.000
49	S3# 90	C565 DIBENZOFURAN	168	1351	3	106743.	1.803	50.000
50	S3# 95	C560 4-NITROPHENOL	109	1347	3	7874.	0.133	50.000
51	S3#105	C570 2,4-DINITROTOLUENE	165	1363	3	26315.	0.444	50.000
52	S3#130	C580 DIETHYLPHTHALATE	149	1417	3	86433.	1.460	50.000

54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1425	3	37329.	0.630	50.000	
55	S3#150	C595	4-NITROANALINE	138	1438	3	21915.	0.370	50.000	
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1446	4	14033.	0.141	50.000	
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1452	4	59075.	0.594	50.000	
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1524	4	20294.	0.204	50.000	
59	S4# 40	C630	HEXACHLOROBENZENE	284	1553	4	20807.	0.209	50.000	
60	S4# 50	C635	PENTACHLOROPHENOL	266	1590	4	12006.	0.121	50.000	
61	S4# 65	C640	PHENANTHRENE	178	1620	4	112960.	1.135	50.000	
62	S4# 70	C645	ANTHRACENE	178	1629	4	106651.	1.072	50.000	
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1753	4	144052.	1.448	50.000	
64	S4#110	C655	FLUORANTHENE	202	1868	4	95128.	0.956	50.000	
65	S5# 15	C715	PYRENE	202	1915	5	93777.	1.483	50.000	
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2062	5	51324.	0.812	50.000	
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2166	5	80441.	1.272	50.000	
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2166	5	51681.	0.409	100.000	
69	S5# 60	C740	CHRYSENE	228	2176	5	57678.	0.912	50.000	
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2188	5	72402.	1.145	50.000	
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	120306.	2.514	50.000	
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2381	6	63679.	1.331	50.000	
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2386	6	59637.	1.246	50.000	
74	S6# 35	C775	BENZO(A)PYRENE	252	2441	6	57220.	1.196	50.000	
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2688	6	54780.	1.145	50.000	
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2692	6	45754.	0.956	50.000	
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2756	6	45744.	0.956	50.000	

02340

6/3/88 10:42:34 SCAN 1 OF 2850
Acquisition started

02341

Acquire Run 0:STDR007 ACQUIRING
06/03/88 10:41:00 + 0:06 Free sectors: 14634 Scan: 8 of 2850
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No:

********** QC PARAMETERS **********
Loaded QC Desc:ST Current QC oven tmp: 31 DegC Injector : 250 DegC
Current QC Desc:ST QC elapsed time : 0: 3 min Int.oven : 275 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion

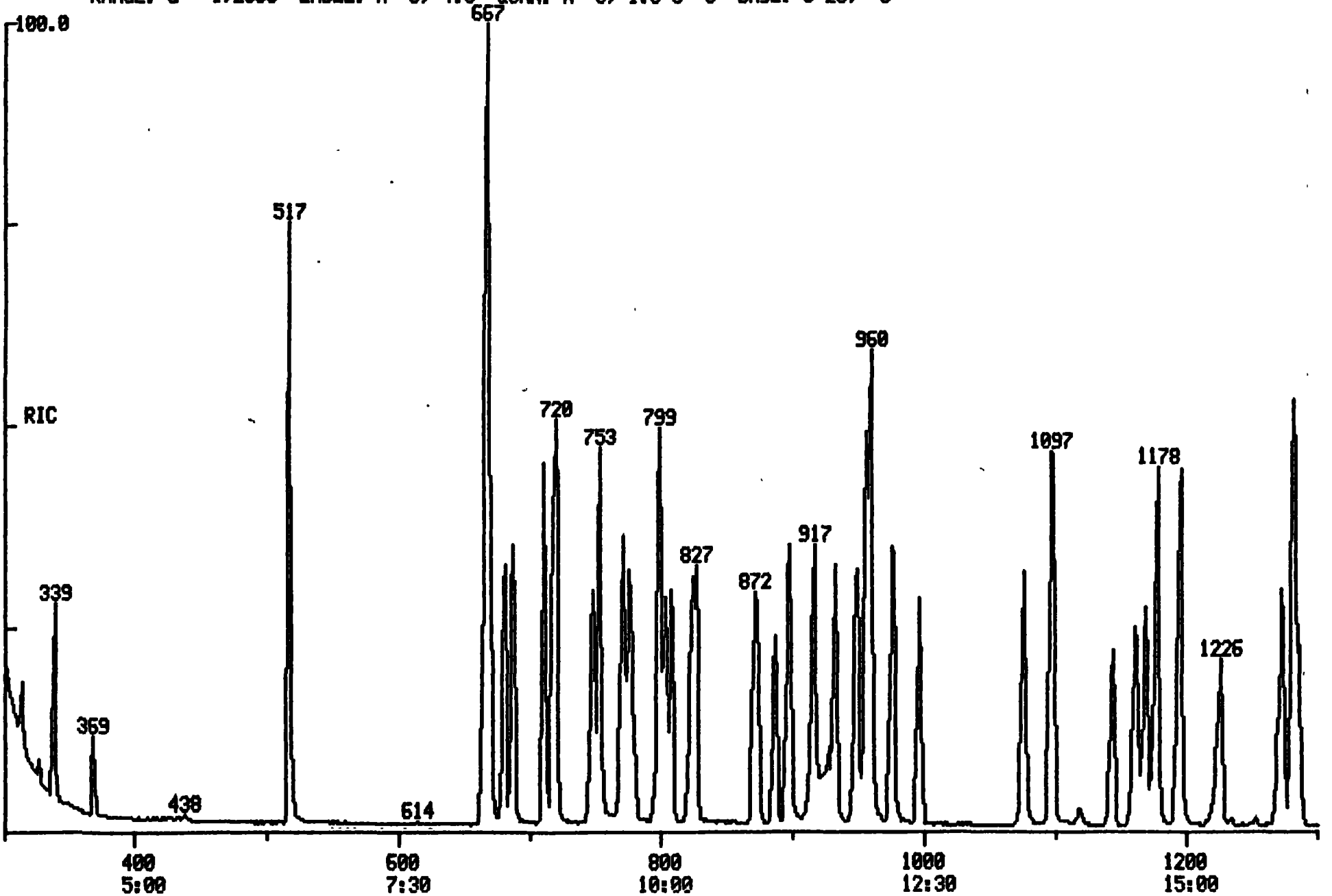
Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	0	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/3/88 11:18:14
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	560.2	2137.5	26.2	110163.	39. 52.

02342

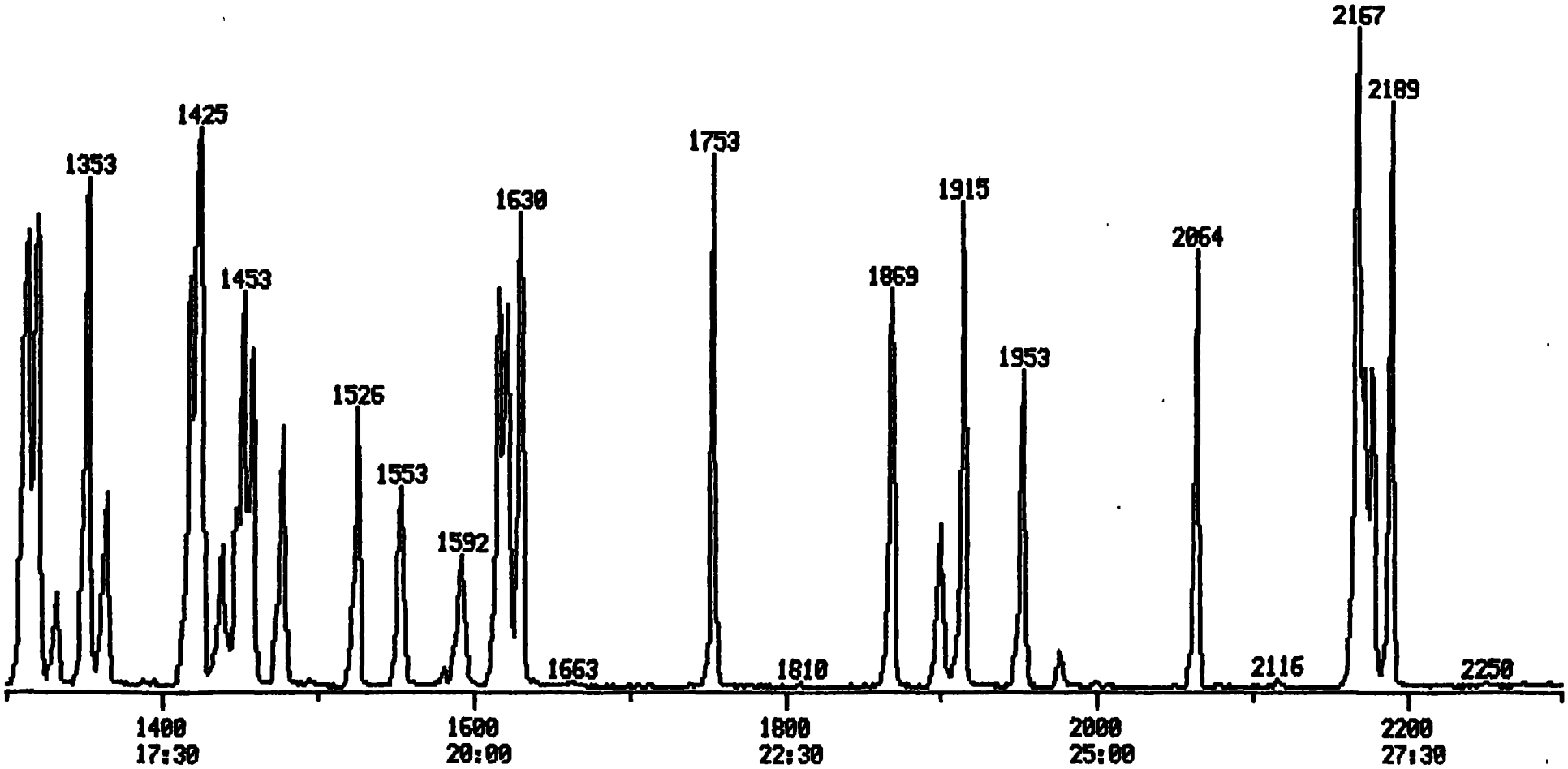
RIC
06/03/88 10:41:00
SAMPLE: 50PPM HSL STD
CONDS.: ST
DATA: STDR007 #4
CALI: 060388CR #6
SCANS 300 TO 1300
OUT OF 300 TO 2850
RANGE: G 1.2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



02343

RIC
06/03/88 10:41:00
SAMPLE: 50PPM HSL STD
CONDS.: ST
DATA: STDR007 #4
CALI: 060388CR #6
SCANS 1300 TO 2300
OUT OF 300 TO 2850
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0

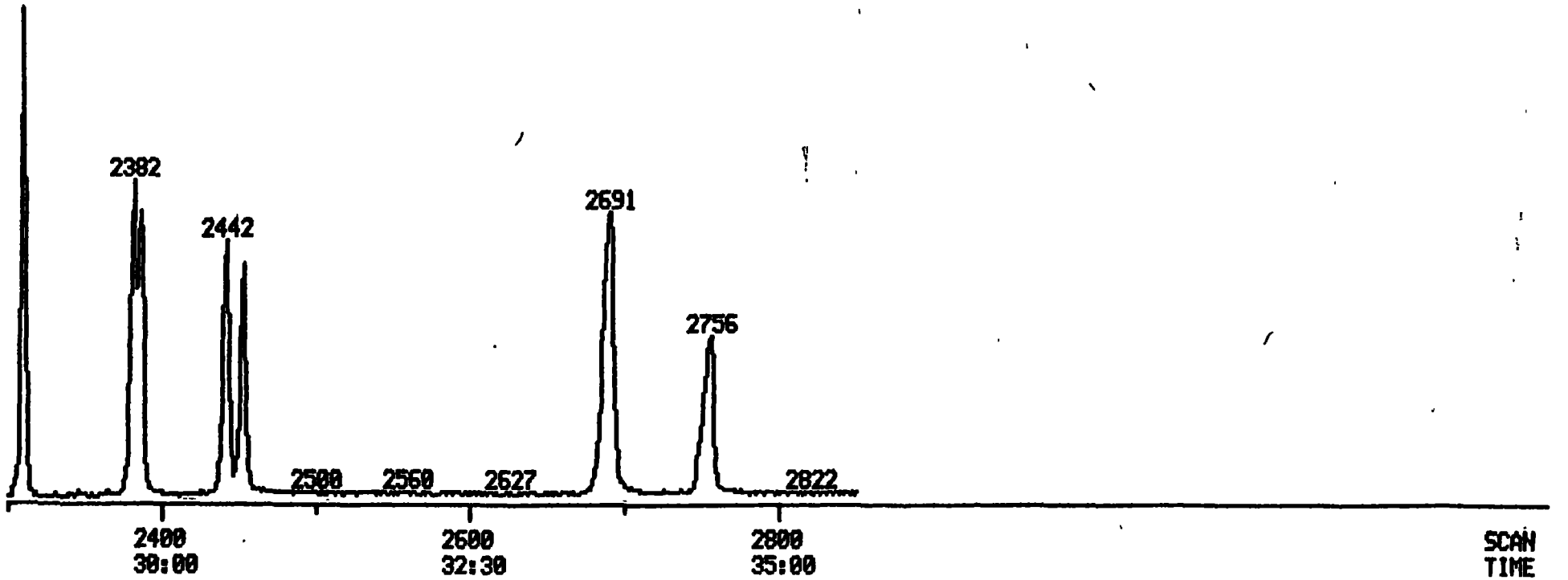


C-344

RIC
06/03/88 10:41:00
SAMPLE: 50PPM HSL STD
CONDS.: ST
DATA: STDR007 #4
CALI: 060388CR #6
SCANS 2300 TO 2850
OUT OF 300 TO 2850
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0

160000.



ROCEDURE: TCA DIAGNOSTIC REPORT 6/03/88 11:21:33
ATA FILE: STDR007
EFERENCE: 11TABLE
LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 02345
REPORT: IS01

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	3	0	7	7	2	33	IS01/TC01
3	3	2	0	18	18	1	52	IS02/TC02
3	3	1	0	12	12	2	76	IS03/TC03
3	3	2	44	18	18	1	81	IS04/TC04
3	3	1	44	10	10	4	82	IS05/TC05
3	3	1	52	8	8	2	91	IS06/TC06
3	3	1	53	14	14	16	93	IS07/TC07
1	1	1	0	4	4	2	107	IS08/TC08

77 COMPOUNDS PROCESSED, 77 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-714	717	717	.	3	955	.	152	717	.	1
2	S1	2	-516	517	517	.	1	990	.	112	517	.	1
3	S1	3	-664	666	666	.	1	926	.	99	666	.	1
4	S1	105	-666	668	668	.	1	966	.	94	668	.	1
5	S1	110	-679	681	681	.	1	973	.	93	681	.	1
6	S1	115	-685	687	687	.	2	995	.	128	687	.	1
7	S1	125	-709	711	711	.	1	987	.	146	711	.	1
8	S2	1	-953	956	956	.	2	994	.	136	956	.	1
9	S3	1	-1311	1314	1314	.	1	991	.	164	1314	.	1
10	S1	130	-718	720	720	.	1	988	.	146	720	.	1
11	S1	145	-746	748	748	.	1	996	.	108	748	.	1
12	S1	150	-751	753	753	.	1	987	.	146	753	.	1
13	S1	160	-769	771	771	.	1	971	.	108	771	.	1
14	S1	165	-774	776	776	.	1	968	.	45	776	.	1
15	S1	185	-797	799	799	.	1	992	.	108	799	.	1
16	S1	190	-802	804	804	.	1	997	.	70	804	.	1
17	S1	200	-807	809	808	-1	1	993	.	117	808	.	1
18	S2	2	-822	824	824	.	1	994	.	82	824	.	1
19	S2	10	-825	827	827	.	1	998	.	77	827	.	1
20	S2	20	-871	873	872	-1	1	976	.	82	872	.	1
21	S2	25	-885	887	887	.	1	982	.	139	887	.	1
22	S2	30	-896	898	898	.	1	993	.	107	898	.	1
23	S2	35	-915	917	917	.	1	1000	.	93	917	.	1
24	S2	45	-926	928	928	.	1	995	.	122	928	.	1
25	S2	40	-931	933	933	.	1	998	.	162	932	-1	1
26	S2	55	-947	949	949	.	1	994	.	180	948	-1	1
27	S2	60	-958	960	960	.	1	998	.	128	960	.	1
28	S2	80	-975	977	976	-1	1	981	.	127	976	.	1
29	S2	95	-995	997	997	.	1	995	.	225	997	.	1
30	S2	130	-1073	1075	1075	.	1	987	.	107	1075	.	1
31	S2	145	-1096	1098	1097	-1	1	986	.	142	1097	.	1
32	S3	20	-1142	1144	1144	.	1	997	.	237	1144	.	1
33	S3	25	-1160	1162	1161	-1	2	995	.	196	1161	.	1
34	S4	1	-1614	1616	1616	.	2	995	.	188	1616	.	1
35	S3	30	-1167	1169	1169	.	1	992	.	196	1169	.	1
36	S3	3	-1176	1178	1178	.	1	997	.	172	1178	.	1
37	S3	40	-1194	1196	1196	.	1	999	.	162	1196	.	1
38	S3	45	-1224	1226	1226	.	1	997	.	65	1226	.	1
39	S3	55	-1271	1273	1272	-1	1	959	.	163	1272	.	1
40	S3	65	-1280	1282	1281	-1	1	990	.	152	1281	.	1
41	S3	70	-1284	1286	1285	-1	1	998	.	165	1285	.	1

43	S3	80	-1319	1321	1320	-1	1	990	.	153	1320	.	1
44	S3	85	-1330	1332	1332	.	1	987	.	184	1332	.	1
45	S3	95	-1347	1349	1350	1	1	946	.	109	1350	.	1
46	S3	90	-1351	1353	1353	.	1	959	.	168	1353	.	1
47	S3	105	-1363	1365	1364	-1	1	993	.	165	1364	.	1
48	S3	130	-1417	1418	1418	.	1	948	.	149	1418	.	1
49	S3	135	-1423	1424	1423	-1	1	996	.	166	1423	.	1
50	S3	140	-1425	1427	1426	-1	1	983	.	204	1426	.	1
51	S3	150	-1438	1440	1439	-1	1	984	.	138	1439	.	1
52	S4	10	-1446	1448	1448	.	2	975	.	198	1448	.	1
53	S4	15	-1452	1454	1453	-1	1	980	.	169	1453	.	1
54	S3	2	-1476	1478	1478	.	1	991	.	330	1478	.	1
55	S4	30	-1524	1525	1526	1	1	987	.	248	1526	.	1
56	S4	40	-1553	1554	1553	-1	2	992	.	284	1553	.	1
57	S5	1	-2169	2171	2171	.	1	946	.	240	2171	.	1
58	S4	50	-1590	1592	1592	.	1	990	.	266	1592	.	1
59	S4	65	-1620	1622	1622	.	2	954	.	178	1621	-1	1
60	S4	70	-1629	1631	1630	-1	1	940	.	178	1630	.	1
61	S4	85	-1753	1755	1753	-2	1	929	.	149	1753	.	1
62	S4	110	-1868	1869	1869	.	1	982	.	202	1869	.	1
63	S6	1	-2450	2453	2453	.	1	986	.	264	2453	.	1
64	S5	15	-1915	1916	1915	-1	1	996	.	202	1915	.	1
65	S5	2	-1951	1952	1953	1	2	990	.	244	1953	.	1
66	S5	40	-2062	2063	2064	1	1	995	.	149	2064	.	1
67	S5	55	-2166	2167	2167	.	1	978	.	252	2167	.	1
68	S5	50	-2166	2167	2167	.	2	995	.	228	2167	.	1
69	S5	60	-2176	2177	2176	-1	1	995	.	228	2176	.	1
70	S5	65	-2188	2189	2189	.	1	990	.	149	2189	.	1
71	S6	10	-2310	2311	2310	-1	1	999	.	149	2310	.	1
72	S6	15	-2381	2382	2382	.	2	988	.	252	2382	.	1
73	S6	25	-2386	2387	2387	.	2	992	.	252	2387	.	1
74	S6	35	-2441	2442	2442	.	1	994	.	252	2442	.	1
75	S6	55	-2688	2688	2689	1	1	982	.	276	2688	-1	1
76	S6	60	-2692	2692	2691	-1	1	959	.	278	2692	1	1
77	S6	65	-2756	2756	2756	.	2	996	.	276	2755	-1	1

02346

uantitation Report File: STDR007

Data: STDR007.TI
06/03/88 10:41:00
mple: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.:

02347

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
3	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
4	C315	PHENOL	94	S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
13	C355	2-METHYLPHENOL	108	S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
15	C365	4-METHYLPHENOL	108	S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
19	C410	NITROBENZENE	77	S2# 10	98-95-3
20	C415	ISOPHORONE	82	S2# 20	75-59-1
21	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
24	C430	BENZOIC ACID	122	S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
27	C450	NAPHTHALENE	128	S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
38	C530	2-NITROANALINE	65	S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
42	C545	3-NITROANILINE	138	S3# 75	99-09-2
43	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168	S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2

02348

No	Name			
48	C580	DIETHYLPHTHALATE	149 S3#130	84-66-2
49	C590	FLUORENE	166 S3#135	86-73-7
50	C585	4-CHLOROPHENYL-PHENYLE	204 S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	717	8:58	1	1.000	A BV	29475.	40.000 UG/ML	1.04
2	112	517	6:28	1	0.721	A BB	100107.	99.430 UG/ML	2.59
3	99	666	8:19	1	0.929	A BB	141551.	98.072 UG/ML	2.55
4	94	668	8:21	1	0.932	A BV	77718.	49.336 UG/ML	1.28
5	93	681	8:31	1	0.950	A VV	60673.	50.473 UG/ML	1.31
6	128	687	8:35	1	0.958	A BB	53154.	53.176 UG/ML	1.38
7	146	711	8:53	1	0.992	A BV	56118.	49.853 UG/ML	1.30
8	136	956	11:57	8	1.000	A BB	117730.	40.000 UG/ML	1.04
9	164	1314	16:25	9	1.000	A BB	57064.	40.000 UG/ML	1.04
10	146	720	9:00	1	1.004	A VB	57943.	49.985 UG/ML	1.30
11	108	748	9:21	1	1.043	A BB	33360.	52.042 UG/ML	1.35
12	146	753	9:25	1	1.050	A BB	55460.	51.591 UG/ML	1.34
13	108	771	9:38	1	1.075	A BB	48525.	53.698 UG/ML	1.40
14	45	776	9:42	1	1.082	A BV	99547.	51.719 UG/ML	1.35
15	108	799	9:59	1	1.114	A BB	52336.	53.473 UG/ML	1.39
16	70	804	10:03	1	1.121	A BB	42963.	47.908 UG/ML	1.25
17	117	808	10:06	1	1.127	A BV	20955.	48.781 UG/ML	1.27
18	82	824	10:18	8	0.862	A BV	54946.	43.070 UG/ML	1.12
19	77	827	10:20	8	0.865	A BB	53875.	41.650 UG/ML	1.08
20	82	872	10:54	8	0.912	A BB	109217.	45.583 UG/ML	1.19
21	139	887	11:05	8	0.928	A BB	29965.	51.018 UG/ML	1.33
22	107	898	11:13	8	0.939	A BB	44817.	47.086 UG/ML	1.23
23	93	917	11:28	8	0.959	A BB	69374.	49.883 UG/ML	1.30
24	122	928	11:36	8	0.971	A BB	23404.	46.928 UG/ML	1.22
25	162	932	11:39	8	0.975	A BB	41036.	49.319 UG/ML	1.28
26	180	948	11:51	8	0.992	A BB	40394.	47.318 UG/ML	1.23
27	128	960	12:00	8	1.004	A BV	155090.	50.136 UG/ML	1.30
28	127	976	12:12	8	1.021	A BB	65565.	52.399 UG/ML	1.36
29	225	997	12:28	8	1.043	A BV	18121.	43.349 UG/ML	1.13
30	107	1075	13:26	8	1.124	A BB	42271.	48.655 UG/ML	1.27
31	142	1097	13:43	8	1.147	A BB	95019.	50.374 UG/ML	1.31
32	237	1144	14:18	9	0.871	A BB	17822.	43.173 UG/ML	1.12
33	196	1161	14:31	9	0.884	A BV	25340.	44.711 UG/ML	1.16
34	188	1616	20:12	34	1.000	A BV	80191.	40.000 UG/ML	1.04
35	196	1169	14:37	9	0.890	A VB	25519.	45.203 UG/ML	1.18
36	172	1178	14:43	9	0.896	A BB	95286.	48.158 UG/ML	1.25
37	162	1196	14:57	9	0.910	A BB	90626.	49.329 UG/ML	1.28
38	65	1226	15:19	9	0.933	A BB	27900.	37.564 UG/ML	0.98
39	163	1272	15:54	9	0.968	A BB	96558.	45.981 UG/ML	1.20
40	152	1281	16:01	9	0.975	A BB	145370.	49.122 UG/ML	1.28
41	165	1285	16:04	9	0.978	A VB	23035.	45.217 UG/ML	1.18
42	138	1311	16:23	9	0.998	A BB	25219.	44.666 UG/ML	1.16
43	153	1320	16:30	9	1.005	A BB	85078.	46.912 UG/ML	1.22
44	184	1332	16:39	9	1.014	A BB	9711.	43.552 UG/ML	1.13
45	109	1350	16:52	9	1.027	A BB	6312.	33.269 UG/ML	0.87
46	168	1353	16:55	9	1.030	A BV	123729.	48.106 UG/ML	1.25
47	165	1364	17:03	9	1.038	A BB	28087.	44.297 UG/ML	1.15
48	149	1418	17:43	9	1.079	A BV	91776.	44.067 UG/ML	1.15
49	166	1423	17:47	9	1.083	A BB	93880.	44.800 UG/ML	1.17
50	204	1426	17:49	9	1.085	A BB	41529.	46.171 UG/ML	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:27	1.00	0.722	1.00	99.43	100.00	1.359	1.366	0.99
3	8:18	1.00	0.929	1.00	98.07	100.00	1.921	1.959	0.98
4	8:19	1.00	0.931	1.00	49.34	50.00	2.109	2.138	0.99
5	8:29	1.00	0.950	1.00	50.47	50.00	1.647	1.631	1.01
6	8:34	1.00	0.958	1.00	53.18	50.00	1.443	1.357	1.06
7	8:52	1.00	0.992	1.00	49.85	50.00	1.523	1.528	1.00
8	11:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	16:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	8:58	1.00	1.004	1.00	49.99	50.00	1.573	1.573	1.00
11	9:19	1.00	1.043	1.00	52.04	50.00	0.905	0.870	1.04
12	9:23	1.00	1.050	1.00	51.59	50.00	1.505	1.459	1.03
13	9:37	1.00	1.076	1.00	53.70	50.00	1.317	1.226	1.07
14	9:40	1.00	1.083	1.00	51.72	50.00	2.702	2.612	1.03
15	9:58	1.00	1.115	1.00	53.47	50.00	1.420	1.328	1.07
16	10:01	1.00	1.122	1.00	47.91	50.00	1.166	1.217	0.96
17	10:05	1.00	1.129	1.00	48.78	50.00	0.569	0.583	0.98
18	10:16	1.00	0.862	1.00	43.07	50.00	0.373	0.433	0.86
19	10:19	1.00	0.865	1.00	41.65	50.00	0.366	0.439	0.83
20	10:53	1.00	0.913	1.00	45.58	50.00	0.742	0.814	0.91
21	11:04	1.00	0.928	1.00	51.02	50.00	0.204	0.200	1.02
22	11:12	1.00	0.939	1.00	47.09	50.00	0.305	0.323	0.94
23	11:26	1.00	0.959	1.00	49.88	50.00	0.471	0.473	1.00
24	11:34	1.00	0.971	1.00	46.93	50.00	0.159	0.169	0.94
25	11:38	1.00	0.976	1.00	49.32	50.00	0.279	0.283	0.99
26	11:50	1.00	0.993	1.00	47.32	50.00	0.274	0.290	0.95
27	11:58	1.00	1.004	1.00	50.14	50.00	1.054	1.051	1.00
28	12:11	1.00	1.022	1.00	52.40	50.00	0.446	0.425	1.05
29	12:26	1.00	1.043	1.00	43.35	50.00	0.123	0.142	0.87
30	13:25	1.00	1.125	1.00	48.66	50.00	0.287	0.295	0.97
31	13:42	1.00	1.149	1.00	50.37	50.00	0.646	0.641	1.01
32	14:16	1.00	0.870	1.00	43.17	50.00	0.250	0.289	0.86
33	14:30	1.00	0.884	1.00	44.71	50.00	0.355	0.397	0.89
34	20:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:35	1.00	0.889	1.00	45.20	50.00	0.358	0.396	0.90
36	14:42	1.00	0.896	1.00	48.16	50.00	1.336	1.387	0.96
37	14:55	1.00	0.910	1.00	49.33	50.00	1.271	1.288	0.99
38	15:18	1.00	0.933	1.00	37.56	50.00	0.391	0.521	0.75
39	15:53	1.00	0.969	1.00	45.98	50.00	1.354	1.472	0.92
40	16:00	1.00	0.976	1.00	49.12	50.00	2.038	2.074	0.98
41	16:03	1.00	0.979	1.00	45.22	50.00	0.323	0.357	0.90
42	16:22	1.00	0.998	1.00	44.67	50.00	0.354	0.396	0.89
43	16:29	1.00	1.005	1.00	46.91	50.00	1.193	1.271	0.94
44	16:37	1.00	1.014	1.00	43.55	50.00	0.136	0.156	0.87
45	16:50	1.00	1.027	1.00	33.27	50.00	0.088	0.133	0.67
46	16:53	1.00	1.030	1.00	48.11	50.00	1.735	1.803	0.96
47	17:02	1.00	1.039	1.00	44.30	50.00	0.394	0.444	0.89
48	17:43	1.00	1.080	1.00	44.07	50.00	1.287	1.460	0.88
49	17:47	1.00	1.085	1.00	44.80	50.00	1.316	1.469	0.90
50	17:49	1.00	1.086	1.00	46.17	50.00	0.582	0.630	0.92

uantitation Report File: STDR007

02350

ata: STDR007.TI
6/03/88 10:41:00
mple: 50PPM HSL STD
onds.: ST
ormula: AUTO INJ Instrument: 4500 Weight: 0.000
ubmitted by: RMAL Analyst: MK Acct. No.:

MOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
esp. fac. from Library Entry

No	Name				
51	C595	4-NITROANALINE	138	S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
54	CS55	2,4,6-TRIBROMOPHENOL	330	S3# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
59	C640	PHENANTHRENE	178	S4# 65	85-01-8
60	C645	ANTHRACENE	178	S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
62	C655	FLUORANTHENE	202	S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
64	C715	PYRENE	202	S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244	S5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
68	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	138	1439	17:59	9	1.095	A BB	20942.	39.658 UG/ML	1.03
52	198	1448	18:06	34	0.896	A BB	13975.	49.433 UG/ML	1.29
53	169	1453	18:10	34	0.899	A BV	64917.	54.545 UG/ML	1.42
54	330	1478	18:28	9	1.125	A BB	16594.	75.200 UG/ML	1.96
55	248	1526	19:04	34	0.944	A BB	20048.	49.035 UG/ML	1.28
56	284	1553	19:25	34	0.961	A BB	20213.	48.220 UG/ML	1.25
57	240	2171	27:08	57	1.000	A BB	50831.	40.000 UG/ML	1.04
58	266	1592	19:54	34	0.985	A BB	11639.	48.120 UG/ML	1.25
59	178	1621	20:16	34	1.003	A BV	116276.	51.094 UG/ML	1.33
60	178	1630	20:22	34	1.009	A VB	113767.	52.949 UG/ML	1.38
61	149	1753	21:55	34	1.085	A BB	150804.	51.963 UG/ML	1.35
62	202	1869	23:22	34	1.157	A BB	100353.	52.363 UG/ML	1.36
63	264	2453	30:40	63	1.000	A BB	43591.	40.000 UG/ML	1.04
64	202	1915	23:56	57	0.882	A BB	98499.	52.251 UG/ML	1.36
65	244	1953	24:25	57	0.900	A BB	68795.	50.723 UG/ML	1.32
66	149	2064	25:48	57	0.951	A BB	54987.	53.296 UG/ML	1.39

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	2167	27:05	57	0.998	A BB	48056.	92.511	UG/ML	2.41
68	228	2167	27:05	57	0.998	A BV	76887.	47.548	UG/ML	1.24
69	228	2176	27:12	57	1.002	A VB	64176.	55.349	UG/ML	1.44
70	149	2189	27:22	57	1.008	A BB	81860.	56.244	UG/ML	1.46
71	149	2310	28:52	63	0.942	A BB	133086.	48.576	UG/ML	1.26
72	252	2382	29:46	63	0.971	A BV	68567.	47.281	UG/ML	1.23
73	252	2387	29:50	63	0.973	A VB	60363.	44.446	UG/ML	1.16
74	252	2442	30:31	63	0.996	A BB	61929.	47.525	UG/ML	1.24
75	276	2688	33:36	63	1.096	A BB	65060.	52.151	UG/ML	1.36
76	278	2692	33:39	63	1.097	A BB	51768.	49.683	UG/ML	1.29
77	276	2755	34:26	63	1.123	A BB	54997.	52.793	UG/ML	1.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	17:58	1.00	1.096	1.00	39.66	50.00	0.294	0.370	0.79
52	18:04	1.00	0.895	1.00	49.43	50.00	0.139	0.141	0.99
53	18:09	1.00	0.899	1.00	54.55	50.00	0.648	0.594	1.09
54	18:27	1.00	1.125	1.00	75.20	100.00	0.116	0.155	0.75
55	19:03	1.00	0.944	1.00	49.04	50.00	0.200	0.204	0.98
56	19:25	1.00	0.962	1.00	48.22	50.00	0.202	0.209	0.96
57	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:52	1.00	0.985	1.00	48.12	50.00	0.116	0.121	0.96
59	20:15	1.00	1.003	1.00	51.09	50.00	1.160	1.135	1.02
60	20:22	1.00	1.009	1.00	52.95	50.00	1.135	1.072	1.06
61	21:55	1.00	1.085	1.00	51.96	50.00	1.504	1.448	1.04
62	23:21	1.00	1.157	1.00	52.36	50.00	1.001	0.956	1.05
63	30:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:56	1.00	0.882	1.00	52.25	50.00	1.550	1.483	1.05
65	24:23	1.00	0.899	1.00	50.72	50.00	1.083	1.067	1.01
66	25:46	1.00	0.950	1.00	53.30	50.00	0.865	0.812	1.07
67	27:04	1.00	0.998	1.00	92.51	100.00	0.378	0.409	0.93
68	27:04	1.00	0.998	1.00	47.55	50.00	1.210	1.272	0.95
69	27:12	1.00	1.003	1.00	55.35	50.00	1.010	0.912	1.11
70	27:21	1.00	1.008	1.00	56.24	50.00	1.288	1.145	1.12
71	28:52	1.00	0.942	1.00	48.58	50.00	2.442	2.514	0.97
72	29:46	1.00	0.971	1.00	47.28	50.00	1.258	1.331	0.95
73	29:49	1.00	0.973	1.00	44.45	50.00	1.108	1.246	0.89
74	30:31	1.00	0.996	1.00	47.52	50.00	1.137	1.196	0.95
75	33:36	1.00	1.097	1.00	52.15	50.00	1.194	1.145	1.04
76	33:39	1.00	1.098	1.00	49.68	50.00	0.950	0.956	0.99
77	34:27	1.00	1.124	1.00	52.79	50.00	1.009	0.956	1.06

TCA FINISHED, 77 FOUND
FINISHED AT: 6/03/88 11:29:58

02352

RMAL QUANTITATION SUMMARY FILE: STDR007
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1 CI30	1,4-DICHLOROBENZENE	152	717	1	29475.	1.000	40.000
2	S2# 1 CI40	NAPHTHALENE-D8	136	956	2	117730.	1.000	40.000
3	S3# 1 CI50	ACENAPHTHENE-D10	164	1314	3	57064.	1.000	40.000
4	S4# 1 CI60	PHENANTHRENE-D10	188	1616	4	80191.	1.000	40.000
5	S5# 1 CI70	CHRYSENE-D12	240	2171	5	50831.	1.000	40.000
6	S6# 1 CI75	PERYLENE-D12	264	2453	6	43591.	1.000	40.000
7	S2# 2 CS20	NITROBENZENE-D5	82	824	2	54946.	0.373	43.070
8	S3# 3 CS25	2-FLUOROBIPHENYL	172	1178	3	95286.	1.336	48.158
9	S5# 2 CS30	TERPHENYL-D14	244	1953	5	68795.	1.083	50.723
10	S1# 3 CS45	PHENOL-D5	99	666	1	141551.	1.921	98.072
11	S1# 2 CS50	2-FLUOROPHENOL	112	517	1	100107.	1.359	99.430
12	S3# 2 CS55	2,4,6-TRIBROMOPHENO	330	1478	3	16594.	0.116	75.200
13	S1#105 C315	PHENOL	94	668	1	77718.	2.109	49.336
14	S1#110 C325	BIS(2-CHLOROETHYL)E	93	681	1	60673.	1.647	50.473
15	S1#115 C330	2-CHLOROPHENOL	128	687	1	53154.	1.443	53.176
16	S1#125 C335	1,3-DICHLOROBENZENE	146	711	1	56118.	1.523	49.853
17	S1#130 C340	1,4-DICHLOROBENZENE	146	720	1	57943.	1.573	49.985
18	S1#145 C345	BENZYL ALCOHOL	108	748	1	33360.	0.905	52.042
19	S1#150 C350	1,2-DICHLOROBENZENE	146	753	1	55460.	1.505	51.591
20	S1#160 C355	2-METHYLPHENOL	108	771	1	48525.	1.317	53.698
21	S1#165 C360	BIS(2-CHLOROISOPROP	45	776	1	99547.	2.702	51.719
22	S1#185 C365	4-METHYLPHENOL	108	799	1	52336.	1.420	53.473
23	S1#190 C370	N-NITROSO-DI-N-PROP	70	804	1	42963.	1.166	47.908
24	S1#200 C375	HEXACHLOROETHANE	117	808	1	20955.	0.569	48.781
25	S2# 10 C410	NITROBENZENE	77	827	2	53875.	0.366	41.650
26	S2# 20 C415	ISOPHORONE	82	872	2	109217.	0.742	45.583
27	S2# 25 C420	2-NITROPHENOL	139	887	2	29965.	0.204	51.018
28	S2# 30 C425	2,4-DIMETHYLPHENOL	107	898	2	44817.	0.305	47.086
29	S2# 35 C435	BIS(2-CHLOROETHOXY)	93	917	2	69374.	0.471	49.883
30	S2# 40 C440	2,4-DICHLOROPHENOL	162	932	2	41036.	0.279	49.319
31	S2# 45 C430	BENZOIC ACID	122	928	2	23404.	0.159	46.928
32	S2# 55 C445	1,2,4-TRICHLOROBENZ	180	948	2	40394.	0.274	47.318
33	S2# 60 C450	NAPHTHALENE	128	960	2	155090.	1.054	50.136
34	S2# 80 C455	4-CHLOROANALINE	127	976	2	65565.	0.446	52.399
35	S2# 95 C460	HEXACHLOROBUTADIENE	225	997	2	18121.	0.123	43.349
36	S2#130 C465	4-CHLORO-3-METHYLPH	107	1075	2	42271.	0.287	48.655
37	S2#145 C470	2-METHYLNAPHTHALENE	142	1097	2	95019.	0.646	50.374
38	S3# 20 C510	HEXACHLOROCYCLOPENT	237	1144	3	17822.	0.250	43.173
39	S3# 25 C515	2,4,6-TRICHLOROPHEN	196	1161	3	25340.	0.355	44.711
40	S3# 30 C520	2,4,5-TRICHLOROPHEN	196	1169	3	25519.	0.358	45.203
41	S3# 40 C525	2-CHLORONAPHTHALENE	162	1196	3	90626.	1.271	49.329
42	S3# 45 C530	2-NITROANALINE	65	1226	3	27900.	0.391	37.564
43	S3# 55 C535	DIMETHYLPHTHALATE	163	1272	3	96558.	1.354	45.981
44	S3# 65 C540	ACENAPHTHYLENE	152	1281	3	145370.	2.038	49.122
45	S3# 70 C543	2,6-DINITROTOLUENE	165	1285	3	23035.	0.323	45.217
46	S3# 75 C545	3-NITROANILINE	138	1311	3	25219.	0.354	44.666
47	S3# 80 C550	ACENAPHTHENE	153	1320	3	85078.	1.193	46.912
48	S3# 85 C555	2,4-DINITROPHENOL	184	1332	3	9711.	0.136	43.552
49	S3 C565	DIBENZOFURAN	168	1353	3	123729.	1.735	48.106
5	# 9 560	4-NITROPHENOL	109	1350	3	6312.	0.088	33.269
		-DINITROTOLUENE	165	1364	3	28087.	0.394	44.297

52	S3#130	C580	DIETHYLPHTHALATE	149	1418	3	91776.	1.287	44.067		
53	S3#135	C590	FLUORENE	166	1423	3	93880.	1.316	44.800		
54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1426	3	41529.	0.582	46.171		
55	S3#150	C595	4-NITROANALINE	138	1439	3	20942.	0.294	39.659		
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1448	4	13975.	0.139	49.433		
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1453	4	64917.	0.648	54.545		
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1526	4	20048.	0.200	49.035		
59	S4# 40	C630	HEXACHLOROBENZENE	284	1553	4	20213.	0.202	48.220		
60	S4# 50	C635	PENTACHLOROPHENOL	266	1592	4	11639.	0.116	48.120		
61	S4# 65	C640	PHENANTHRENE	178	1621	4	116276.	1.160	51.094		
62	S4# 70	C645	ANTHRACENE	178	1630	4	113767.	1.135	52.949		
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1753	4	150804.	1.504	51.963		
64	S4#110	C655	FLUORANTHENE	202	1869	4	100353.	1.001	52.363		
65	S5# 15	C715	PYRENE	202	1915	5	98499.	1.550	52.251		
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2064	5	54987.	0.865	53.296		
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2167	5	76887.	1.210	47.548		
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2167	5	48056.	0.378	92.511		
69	S5# 60	C740	CHRYSENE	228	2176	5	64176.	1.010	55.349		
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2189	5	81860.	1.288	56.244		
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	133086.	2.442	48.576		
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2382	6	68567.	1.258	47.281		
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2387	6	60363.	1.108	44.446		
74	S6# 35	C775	BENZO(A)PYRENE	252	2442	6	61929.	1.137	47.525		
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2688	6	65060.	1.194	52.151		
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2692	6	51768.	0.950	49.683		
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2755	6	54997.	1.009	52.793		

02353

Quantitation Report File: STDR007

Data: STDR007.TI
06/03/88 10:41:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.:

02354

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C430	BENZOIC ACID	122	S2# 45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
33	C450	NAPHTHALENE	128	S2# 60	91-20-3
34	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
42	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
43	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
44	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
45	C545	3-NITROANILINE	138	S3# 75	99-09-2
46	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
47	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5

02355

No	Name			
48	C565	DIBENZOFURAN	168 S3# 90	132-64-9
49	C570	2,4-DINITROTOLUENE	165 S3#105	121-14-2
50	C580	DIETHYLPHTHALATE	149 S3#130	84-66-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	717	8:58	1	1.000	A BV	29475.	40.000 UG/ML	1.04
2	136	956	11:57	2	1.000	A BB	117730.	40.000 UG/ML	1.04
3	164	1314	16:25	3	1.000	A BB	57064.	40.000 UG/ML	1.04
4	188	1616	20:12	4	1.000	A BV	80191.	40.000 UG/ML	1.04
5	240	2171	27:08	5	1.000	A BB	50831.	40.000 UG/ML	1.04
6	264	2453	30:40	6	1.000	A BB	43591.	40.000 UG/ML	1.04
7	82	824	10:18	2	0.862	A BV	54946.	43.070 UG/ML	1.12
8	172	1178	14:43	3	0.896	A BB	95286.	48.158 UG/ML	1.25
9	244	1953	24:25	5	0.900	A BB	68795.	50.723 UG/ML	1.32
10	99	666	8:19	1	0.929	A BB	141551.	98.072 UG/ML	2.54
11	112	517	6:28	1	0.721	A BB	100107.	99.430 UG/ML	2.58
12	330	1478	18:28	3	1.125	A BB	16594.	75.200 UG/ML	1.95
13	94	668	8:21	1	0.932	A BV	77718.	49.336 UG/ML	1.28
14	93	681	8:31	1	0.950	A VV	60673.	50.473 UG/ML	1.31
15	128	687	8:35	1	0.958	A BB	53154.	53.176 UG/ML	1.38
16	146	711	8:53	1	0.992	A BV	56118.	49.853 UG/ML	1.29
17	146	720	9:00	1	1.004	A VB	57943.	49.985 UG/ML	1.30
18	108	748	9:21	1	1.043	A BB	33360.	52.042 UG/ML	1.35
19	146	753	9:25	1	1.050	A BB	55460.	51.591 UG/ML	1.34
20	108	771	9:38	1	1.075	A BB	48525.	53.698 UG/ML	1.39
21	45	776	9:42	1	1.082	A BV	99547.	51.719 UG/ML	1.34
22	108	799	9:59	1	1.114	A BB	52336.	53.473 UG/ML	1.39
23	70	804	10:03	1	1.121	A BB	42963.	47.908 UG/ML	1.24
24	117	808	10:06	1	1.127	A BV	20955.	48.781 UG/ML	1.26
25	77	827	10:20	2	0.865	A BB	53875.	41.650 UG/ML	1.08
26	82	872	10:54	2	0.912	A BB	109217.	45.583 UG/ML	1.18
27	139	887	11:05	2	0.928	A BB	29965.	51.018 UG/ML	1.32
28	107	898	11:13	2	0.939	A BB	44817.	47.086 UG/ML	1.22
29	93	917	11:28	2	0.959	A BB	69374.	49.883 UG/ML	1.29
30	162	932	11:39	2	0.975	A BB	41036.	49.319 UG/ML	1.28
31	122	928	11:36	2	0.971	A BB	23404.	46.928 UG/ML	1.22
32	180	948	11:51	2	0.992	A BB	40394.	47.318 UG/ML	1.23
33	128	960	12:00	2	1.004	A BV	155090.	50.136 UG/ML	1.30
34	127	976	12:12	2	1.021	A BB	65565.	52.399 UG/ML	1.36
35	225	997	12:28	2	1.043	A BV	18121.	43.349 UG/ML	1.12
36	107	1075	13:26	2	1.124	A BB	42271.	48.655 UG/ML	1.26
37	142	1097	13:43	2	1.147	A BB	95019.	50.374 UG/ML	1.31
38	237	1144	14:18	3	0.871	A BB	17822.	43.173 UG/ML	1.12
39	196	1161	14:31	3	0.884	A BV	25340.	44.711 UG/ML	1.16
40	196	1169	14:37	3	0.890	A VB	25519.	45.203 UG/ML	1.17
41	162	1196	14:57	3	0.910	A BB	90626.	49.329 UG/ML	1.28
42	163	1272	15:54	3	0.968	A BB	96558.	45.981 UG/ML	1.19
43	152	1281	16:01	3	0.975	A BB	145370.	49.122 UG/ML	1.27
44	165	1285	16:04	3	0.978	A VB	23035.	45.217 UG/ML	1.17
45	138	1311	16:23	3	0.998	A BB	25219.	44.666 UG/ML	1.16
46	153	1320	16:30	3	1.005	A BB	85078.	46.912 UG/ML	1.22
47	184	1332	16:39	3	1.014	A BB	9711.	43.552 UG/ML	1.13
48	168	1353	16:55	3	1.030	A BV	123729.	48.106 UG/ML	1.25
49	165	1364	17:03	3	1.038	A BB	28087.	44.297 UG/ML	1.15
50	149	1418	17:43	3	1.079	A BV	91776.	44.067 UG/ML	1.14

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	30:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:16	1.00	0.862	1.00	43.07	50.00	0.373	0.433	0.86
8	14:42	1.00	0.896	1.00	48.16	50.00	1.336	1.387	0.96
9	24:23	1.00	0.899	1.00	50.72	50.00	1.083	1.067	1.01
10	8:18	1.00	0.929	1.00	98.07	100.00	1.921	1.959	0.98
11	6:27	1.00	0.722	1.00	99.43	100.00	1.359	1.366	0.99
12	18:27	1.00	1.125	1.00	75.20	100.00	0.116	0.155	0.75
13	8:19	1.00	0.931	1.00	49.34	50.00	2.109	2.138	0.99
14	8:29	1.00	0.950	1.00	50.47	50.00	1.647	1.631	1.01
15	8:34	1.00	0.958	1.00	53.18	50.00	1.443	1.357	1.06
16	8:52	1.00	0.992	1.00	49.85	50.00	1.523	1.528	1.00
17	8:58	1.00	1.004	1.00	49.99	50.00	1.573	1.573	1.00
18	9:19	1.00	1.043	1.00	52.04	50.00	0.905	0.870	1.04
19	9:23	1.00	1.050	1.00	51.59	50.00	1.505	1.459	1.03
20	9:37	1.00	1.076	1.00	53.70	50.00	1.317	1.226	1.07
21	9:40	1.00	1.083	1.00	51.72	50.00	2.702	2.612	1.03
22	9:58	1.00	1.115	1.00	53.47	50.00	1.420	1.328	1.07
23	10:01	1.00	1.122	1.00	47.91	50.00	1.166	1.217	0.96
24	10:05	1.00	1.129	1.00	48.78	50.00	0.569	0.583	0.98
25	10:19	1.00	0.865	1.00	41.65	50.00	0.366	0.439	0.83
26	10:53	1.00	0.913	1.00	45.58	50.00	0.742	0.814	0.91
27	11:04	1.00	0.928	1.00	51.02	50.00	0.204	0.200	1.02
28	11:12	1.00	0.939	1.00	47.09	50.00	0.305	0.323	0.94
29	11:26	1.00	0.959	1.00	49.88	50.00	0.471	0.473	1.00
30	11:38	1.00	0.976	1.00	49.32	50.00	0.279	0.283	0.99
31	11:34	1.00	0.971	1.00	46.93	50.00	0.159	0.169	0.94
32	11:50	1.00	0.993	1.00	47.32	50.00	0.274	0.290	0.95
33	11:58	1.00	1.004	1.00	50.14	50.00	1.054	1.051	1.00
34	12:11	1.00	1.022	1.00	52.40	50.00	0.446	0.425	1.05
35	12:26	1.00	1.043	1.00	43.35	50.00	0.123	0.142	0.87
36	13:25	1.00	1.125	1.00	48.66	50.00	0.287	0.295	0.97
37	13:42	1.00	1.149	1.00	50.37	50.00	0.646	0.641	1.01
38	14:16	1.00	0.870	1.00	43.17	50.00	0.250	0.289	0.86
39	14:30	1.00	0.884	1.00	44.71	50.00	0.355	0.397	0.89
40	14:35	1.00	0.889	1.00	45.20	50.00	0.358	0.396	0.90
41	14:55	1.00	0.910	1.00	49.33	50.00	1.271	1.288	0.99
42	15:53	1.00	0.969	1.00	45.98	50.00	1.354	1.472	0.92
43	16:00	1.00	0.976	1.00	49.12	50.00	2.038	2.074	0.98
44	16:03	1.00	0.979	1.00	45.22	50.00	0.323	0.357	0.90
45	16:22	1.00	0.998	1.00	44.67	50.00	0.354	0.396	0.89
46	16:29	1.00	1.005	1.00	46.91	50.00	1.193	1.271	0.94
47	16:37	1.00	1.014	1.00	43.55	50.00	0.136	0.156	0.87
48	16:53	1.00	1.030	1.00	48.11	50.00	1.735	1.803	0.96
49	17:02	1.00	1.039	1.00	44.30	50.00	0.394	0.444	0.89
50	17:43	1.00	1.080	1.00	44.07	50.00	1.287	1.460	0.88

Quantitation Report File: STDR007

02357

Data: STDR007.TI
06/03/88 10:41:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
51	C590	FLUORENE	166 S3#135	86-73-7
52	C595	4-CHLOROPHENYL-PHENYLE	204 S3#140	7005-72-3
53	C610	4,6-DINITRO-2-METHYLPH	198 S4# 10	534-52-1
54	C615	N-NITROSODIPHENYLAMINE	169 S4# 15CC	87-30-6
55	C625	4-BROMOPHENYL-PHENYLET	248 S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284 S4# 40	118-74-1
57	C635	PENTACHLOROPHENOL	266 S4# 50	87-86-5
58	C640	PHENANTHRENE	178 S4# 65	85-01-8
59	C645	ANTHRACENE	178 S4# 70	120-12-7
60	C650	DI-N-BUTYLPHTHALATE	149 S4# 85	84-74-2
61	C655	FLUORANTHENE	202 S4#110CC	206-44-0
62	C715	PYRENE	202 S5# 15	129-00-0
63	C720	BUTYLBENZYLPHTHALATE	149 S5# 40	85-68-7
64	C730	BENZO(A)ANTHRACENE	228 S5# 50	56-55-3
65	C725	3,3'-DICHLOROBENZIDINE	252 S5# 55	91-94-1
66	C740	CHRYSENE	228 S5# 60	218-01-9
67	C745	BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65	117-81-7
68	C760	DI-N-OCTYL PHTHALATE	149 S6# 10CC	117-84-0
69	C765	BENZO(B)FLUORANTHENE	252 S6# 15	205-99-2
70	C770	BENZO(K)FLUORANTHENE	252 S6# 25	207-08-9
71	C775	BENZO(A)PYRENE	252 S6# 35	50-32-8
72	C780	INDENO(1,2,3-CD)PYRENE	276 S6# 55	193-39-5
73	C785	DIBENZ(A,H)ANTHRACENE	278 S6# 60	53-70-3
74	C790	BENZO(G,H,I)PERYLENE	276 S6# 65	191-24-2
75	C530	2-NITROANALINE	65 S3# 45	88-74-4
76	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7
77	C595	4-NITROANALINE	138 S3#150	100-01-6

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	166	1423	17:47	3	1.083	A BB	93880.	44.800 UG/ML	1.16
52	204	1426	17:49	3	1.085	A BB	41529.	46.171 UG/ML	1.20
53	198	1448	18:06	4	0.896	A BB	13975.	49.433 UG/ML	1.28
54	169	1453	18:10	4	0.899	A BV	64917.	54.545 UG/ML	1.41
55	248	1526	19:04	4	0.944	A BB	20048.	49.035 UG/ML	1.27
56	284	1553	19:25	4	0.961	A BB	20213.	48.220 UG/ML	1.25
57	266	1592	19:54	4	0.985	A BB	11639.	48.120 UG/ML	1.25
58	178	1621	20:16	4	1.003	A BV	116276.	51.094 UG/ML	1.32
59	178	1630	20:22	4	1.009	A VB	113767.	52.949 UG/ML	1.37
60	149	1753	21:55	4	1.085	A BB	150804.	51.963 UG/ML	1.35
61	202	1869	23:22	4	1.157	A BB	100353.	52.363 UG/ML	1.36
62	202	1915	23:56	5	0.882	A BB	98499.	52.251 UG/ML	1.35
63	149	2064	25:48	5	0.951	A BB	54987.	53.296 UG/ML	1.38
64	228	2167	27:05	5	0.998	A BV	76887.	47.548 UG/ML	1.23
65	252	2167	27:05	5	0.998	A BB	48056.	92.511 UG/ML	2.40
66	228	2176	27:12	5	1.002	A VB	64176.	55.349 UG/ML	1.44

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	149	2189	27:22	5	1.008	A BB	81860.	56.244	UG/ML	1.46
68	149	2310	28:52	6	0.942	A BB	133086.	48.576	UG/ML	1.26
69	252	2382	29:46	6	0.971	A BV	68567.	47.281	UG/ML	1.23
70	252	2387	29:50	6	0.973	A VB	60363.	44.446	UG/ML	1.15
71	252	2442	30:31	6	0.996	A BB	61929.	47.525	UG/ML	1.23
72	276	2688	33:36	6	1.096	A BB	65060.	52.151	UG/ML	1.35
73	278	2692	33:39	6	1.097	A BB	51768.	49.683	UG/ML	1.29
74	276	2755	34:26	6	1.123	A BB	54997.	52.793	UG/ML	1.37
75	65	1226	15:19	3	0.933	M XX	28744.	38.699	UG/ML	1.00
76	109	1350	16:52	3	1.027	M XX	7421.	39.114	UG/ML	1.01
77	138	1439	17:59	3	1.095	M XX	24339.	46.092	UG/ML	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	17:47	1.00	1.085	1.00	44.80	50.00	1.316	1.469	0.90
52	17:49	1.00	1.086	1.00	46.17	50.00	0.582	0.630	0.92
53	18:04	1.00	0.895	1.00	49.43	50.00	0.139	0.141	0.99
54	18:09	1.00	0.899	1.00	54.55	50.00	0.648	0.594	1.09
55	19:03	1.00	0.944	1.00	49.04	50.00	0.200	0.204	0.98
56	19:25	1.00	0.962	1.00	48.22	50.00	0.202	0.209	0.96
57	19:52	1.00	0.985	1.00	48.12	50.00	0.116	0.121	0.96
58	20:15	1.00	1.003	1.00	51.09	50.00	1.160	1.135	1.02
59	20:22	1.00	1.009	1.00	52.95	50.00	1.135	1.072	1.06
60	21:55	1.00	1.085	1.00	51.96	50.00	1.504	1.448	1.04
61	23:21	1.00	1.157	1.00	52.36	50.00	1.001	0.956	1.05
62	23:56	1.00	0.882	1.00	52.25	50.00	1.550	1.483	1.05
63	25:46	1.00	0.950	1.00	53.30	50.00	0.865	0.812	1.07
64	27:04	1.00	0.998	1.00	47.55	50.00	1.210	1.272	0.95
65	27:04	1.00	0.998	1.00	92.51	100.00	0.378	0.409	0.93
66	27:12	1.00	1.003	1.00	55.35	50.00	1.010	0.912	1.11
67	27:21	1.00	1.008	1.00	56.24	50.00	1.288	1.145	1.12
68	28:52	1.00	0.942	1.00	48.58	50.00	2.442	2.514	0.97
69	29:46	1.00	0.971	1.00	47.28	50.00	1.258	1.331	0.95
70	29:49	1.00	0.973	1.00	44.45	50.00	1.108	1.246	0.89
71	30:31	1.00	0.996	1.00	47.52	50.00	1.137	1.196	0.95
72	33:36	1.00	1.097	1.00	52.15	50.00	1.194	1.145	1.04
73	33:39	1.00	1.098	1.00	49.68	50.00	0.950	0.956	0.99
74	34:27	1.00	1.124	1.00	52.79	50.00	1.009	0.956	1.06
75	15:18	1.00	0.933	1.00	38.70	50.00	0.403	0.521	0.77
76	16:50	1.00	1.027	1.00	39.11	50.00	0.104	0.133	0.78
77	17:58	1.00	1.096	1.00	46.09	50.00	0.341	0.370	0.92

RMAL QUANTITATION SUMMARY FILE: STDR007 02359
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1 CI30	1,4-DICHLOROBENZENE	152	717	1	29475.	1.000	40.000
2	S2# 1 CI40	NAPHTHALENE-D8	136	956	2	117730.	1.000	40.000
3	S3# 1 CI50	ACENAPHTHENE-D10	164	1314	3	57064.	1.000	40.000
4	S4# 1 CI60	PHENANTHRENE-D10	188	1616	4	80191.	1.000	40.000
5	S5# 1 CI70	CHRYSENE-D12	240	2171	5	50831.	1.000	40.000
6	S6# 1 CI75	PERYLENE-D12	264	2453	6	43591.	1.000	40.000
7	S2# 2 CS20	NITROBENZENE-D5	82	824	2	54946.	0.373	43.070
8	S3# 3 CS25	2-FLUOROBIPHENYL	172	1178	3	95286.	1.336	48.158
9	S5# 2 CS30	TERPHENYL-D14	244	1953	5	68795.	1.083	50.723
10	S1# 3 CS45	PHENOL-D5	99	666	1	141551.	1.921	98.072
11	S1# 2 CS50	2-FLUOROPHENOL	112	517	1	100107.	1.359	99.430
12	S3# 2 CS55	2,4,6-TRIBROMOPHEND	330	1478	3	16594.	0.116	75.200
13	S1#105 C315	PHENOL	94	668	1	77718.	2.109	49.336
14	S1#110 C325	BIS(2-CHLOROETHYL)E	93	681	1	60673.	1.647	50.473
15	S1#115 C330	2-CHLOROPHENOL	128	687	1	53154.	1.443	53.176
16	S1#125 C335	1,3-DICHLOROBENZENE	146	711	1	56118.	1.523	49.853
17	S1#130 C340	1,4-DICHLOROBENZENE	146	720	1	57943.	1.573	49.985
18	S1#145 C345	BENZYL ALCOHOL	108	748	1	33360.	0.905	52.042
19	S1#150 C350	1,2-DICHLOROBENZENE	146	753	1	55460.	1.505	51.591
20	S1#160 C355	2-METHYLPHENOL	108	771	1	48525.	1.317	53.698
21	S1#165 C360	BIS(2-CHLOROISOPROP	45	776	1	99547.	2.702	51.719
22	S1#185 C365	4-METHYLPHENOL	108	799	1	52336.	1.420	53.473
23	S1#190 C370	N-NITROSO-DI-N-PROP	70	804	1	42963.	1.166	47.908
24	S1#200 C375	HEXACHLOROETHANE	117	808	1	20955.	0.569	48.781
25	S2# 10 C410	NITROBENZENE	77	827	2	53875.	0.366	41.650
26	S2# 20 C415	ISOPHORONE	82	872	2	109217.	0.742	45.583
27	S2# 25 C420	2-NITROPHENOL	139	887	2	29965.	0.204	51.018
28	S2# 30 C425	2,4-DIMETHYLPHENOL	107	898	2	44817.	0.305	47.086
29	S2# 35 C435	BIS(2-CHLOROETHOXY)	93	917	2	69374.	0.471	49.883
30	S2# 40 C440	2,4-DICHLOROPHENOL	162	932	2	41036.	0.279	49.319
31	S2# 45 C430	BENZOIC ACID	122	928	2	23404.	0.159	46.928
32	S2# 55 C445	1,2,4-TRICHLOROBENZ	180	948	2	40394.	0.274	47.318
33	S2# 60 C450	NAPHTHALENE	128	960	2	155090.	1.054	50.136
34	S2# 80 C455	4-CHLOROANALINE	127	976	2	65565.	0.446	52.399
35	S2# 95 C460	HEXACHLOROBUTADIENE	225	997	2	18121.	0.123	43.349
36	S2#130 C465	4-CHLORO-3-METHYLPH	107	1075	2	42271.	0.287	48.655
37	S2#145 C470	2-METHYLNAPHTHALENE	142	1097	2	95019.	0.646	50.374
38	S3# 20 C510	HEXACHLOROCYCLOPENT	237	1144	3	17822.	0.250	43.173
39	S3# 25 C515	2,4,6-TRICHLOROPHEN	196	1161	3	25340.	0.355	44.711
40	S3# 30 C520	2,4,5-TRICHLOROPHEN	196	1169	3	25519.	0.358	45.203
41	S3# 40 C525	2-CHLORONAPHTHALENE	162	1196	3	90626.	1.271	49.329
42	S3# 45 C530	2-NITROANALINE	65	1226	3	28744.	0.403	38.699
43	S3# 55 C535	DIMETHYLPHTHALATE	163	1272	3	96558.	1.354	45.981
44	S3# 65 C540	ACENAPHTHYLENE	152	1281	3	145370.	2.038	49.122
45	S3# 70 C543	2,6-DINITROTOLUENE	165	1285	3	23035.	0.323	45.217
46	S3# 75 C545	3-NITROANILINE	138	1311	3	25219.	0.354	44.666
47	S3# 80 C550	ACENAPHTHENE	153	1320	3	85078.	1.193	46.912
48	S3# 85 C555	2,4-DINITROPHENOL	184	1332	3	9711.	0.136	43.552
49	S3# 90 C565	DIBENZOFURAN	168	1353	3	123729.	1.735	48.106
50	S3# 95 C560	4-NITROPHENOL	109	1350	3	7421.	0.104	39.114
51	S3#105 C570	2,4-DINITROTOLUENE	165	1364	3	28087.	0.394	44.297
52	S3#130 C580	DIETHYLPHTHALATE	149	1418	3	91776.	1.287	44.067
			144	1423	3	93880	1.314	44.800

54	S3#140	C585	4-CHLOROPHENYL-PHEN	204	1426	3	41529.	0.582	46.171
55	S3#150	C595	4-NITROANALINE	138	1439	3	24339.	0.341	46.092
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1448	4	13975.	0.139	49.433
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1453	4	64917.	0.648	54.545
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1526	4	20048.	0.200	49.035
59	S4# 40	C630	HEXACHLOROBENZENE	284	1553	4	20213.	0.202	48.220
60	S4# 50	C635	PENTACHLOROPHENOL	266	1592	4	11639.	0.116	48.120
61	S4# 65	C640	PHENANTHRENE	178	1621	4	116276.	1.160	51.094
62	S4# 70	C645	ANTHRACENE	178	1630	4	113767.	1.135	52.949
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1753	4	150804.	1.504	51.963
64	S4#110	C655	FLUORANTHENE	202	1869	4	100353.	1.001	52.363
65	S5# 15	C715	PYRENE	202	1915	5	98499.	1.550	52.251
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2064	5	54987.	0.865	53.296
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2167	5	76887.	1.210	47.548
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2167	5	48056.	0.378	92.511
69	S5# 60	C740	CHRYSENE	228	2176	5	64176.	1.010	55.349
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2189	5	81860.	1.288	56.244
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	133086.	2.442	48.576
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2382	6	68567.	1.258	47.281
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2387	6	60363.	1.108	44.446
74	S6# 35	C775	BENZO(A)PYRENE	252	2442	6	61929.	1.137	47.525
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2688	6	65060.	1.194	52.151
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2692	6	51768.	0.950	49.683
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2755	6	54997.	1.009	52.793

02360

02361
ST

Quantitation Report File: STDR007

Data: STDR007.TI
06/03/88 10:41:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
10	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3# 02	118-79-6
13	C315	PHENOL	94	S1#105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
25	C410	NITROBENZENE	77	S2# 10	98-95-3
26	C415	ISOPHORONE	82	S2# 20	75-59-1
27	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
31	C430	BENZOIC ACID	122	S2# 45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
33	C450	NAPHTHALENE	128	S2# 60	91-20-3
34	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
42	C530	2-NITROANALINE	65	S3# 45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
46	C545	3-NITROANILINE	138	S3# 75	99-09-2
47	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9

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02362

No	Name			
48	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5
49	C565	DIBENZOFURAN	168 S3# 90	132-64-9
50	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	717	8:58	1	1.000	A BV	29475.	40.000 UG/ML	1.00
2	136	956	11:57	2	1.000	A BB	117730.	40.000 UG/ML	1.00
3	164	1314	16:25	3	1.000	A BB	57064.	40.000 UG/ML	1.00
4	188	1616	20:12	4	1.000	A BV	80191.	40.000 UG/ML	1.00
5	240	2171	27:08	5	1.000	A BB	50831.	40.000 UG/ML	1.00
6	264	2453	30:40	6	1.000	A BB	43591.	40.000 UG/ML	1.00
7	82	824	10:18	2	0.862	A BV	54946.	50.000 UG/ML	1.25
8	172	1178	14:43	3	0.896	A BB	95286.	50.000 UG/ML	1.25
9	244	1953	24:25	5	0.900	A BB	68795.	50.000 UG/ML	1.25
10	99	666	8:19	1	0.929	A BB	141551.	100.000 UG/ML	2.51
11	112	517	6:28	1	0.721	A BB	100107.	100.000 UG/ML	2.51
12	330	1478	18:28	3	1.125	A BB	16594.	100.000 UG/ML	2.51
13	94	668	8:21	1	0.932	A BV	77718.	50.000 UG/ML	1.25
14	93	681	8:31	1	0.950	A VV	60673.	50.000 UG/ML	1.25
15	128	687	8:35	1	0.958	A BB	53154.	50.000 UG/ML	1.25
16	146	711	8:53	1	0.992	A BV	56118.	50.000 UG/ML	1.25
17	146	720	9:00	1	1.004	A VB	57943.	50.000 UG/ML	1.25
18	108	748	9:21	1	1.043	A BB	33360.	50.000 UG/ML	1.25
19	146	753	9:25	1	1.050	A BB	55460.	50.000 UG/ML	1.25
20	108	771	9:38	1	1.075	A BB	48525.	50.000 UG/ML	1.25
21	45	776	9:42	1	1.082	A BV	99547.	50.000 UG/ML	1.25
22	108	799	9:59	1	1.114	A BB	52336.	50.000 UG/ML	1.25
23	70	804	10:03	1	1.121	A BB	42963.	50.000 UG/ML	1.25
24	117	808	10:06	1	1.127	A BV	20955.	50.000 UG/ML	1.25
25	77	827	10:20	2	0.865	A BB	53875.	50.000 UG/ML	1.25
26	82	872	10:54	2	0.912	A BB	109217.	50.000 UG/ML	1.25
27	139	887	11:05	2	0.928	A BB	29965.	50.000 UG/ML	1.25
28	107	898	11:13	2	0.939	A BB	44817.	50.000 UG/ML	1.25
29	93	917	11:28	2	0.959	A BB	69374.	50.000 UG/ML	1.25
30	162	932	11:39	2	0.975	A BB	41036.	50.000 UG/ML	1.25
31	122	928	11:36	2	0.971	A BB	23404.	50.000 UG/ML	1.25
32	180	948	11:51	2	0.992	A BB	40394.	50.000 UG/ML	1.25
33	128	960	12:00	2	1.004	A BV	155090.	50.000 UG/ML	1.25
34	127	976	12:12	2	1.021	A BB	65565.	50.000 UG/ML	1.25
35	225	997	12:28	2	1.043	A BV	18121.	50.000 UG/ML	1.25
36	107	1075	13:26	2	1.124	A BB	42271.	50.000 UG/ML	1.25
37	142	1097	13:43	2	1.147	A BB	95019.	50.000 UG/ML	1.25
38	237	1144	14:18	3	0.871	A BB	17822.	50.000 UG/ML	1.25
39	196	1161	14:31	3	0.884	A BV	25340.	50.000 UG/ML	1.25
40	196	1169	14:37	3	0.890	A VB	25519.	50.000 UG/ML	1.25
41	162	1196	14:57	3	0.910	A BB	90626.	50.000 UG/ML	1.25
42	65	1226	15:19	3	0.933	M XX	28744.	50.000 UG/ML	1.25
43	163	1272	15:54	3	0.968	A BB	96558.	50.000 UG/ML	1.25
44	152	1281	16:01	3	0.975	A BB	145370.	50.000 UG/ML	1.25
45	165	1285	16:04	3	0.978	A VB	23035.	50.000 UG/ML	1.25
46	138	1311	16:23	3	0.998	A BB	25219.	50.000 UG/ML	1.25
47	153	1320	16:30	3	1.005	A BB	85078.	50.000 UG/ML	1.25
48	184	1332	16:39	3	1.014	A BB	9711.	50.000 UG/ML	1.25
49	168	1353	16:55	3	1.030	A BV	123729.	50.000 UG/ML	1.25
50	109	1350	16:52	3	1.027	M XX	7421.	50.000 UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	30:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:18	1.00	0.862	1.00	50.00	50.00	0.373	0.373	1.00
8	14:43	1.00	0.896	1.00	50.00	50.00	1.336	1.336	1.00
9	24:25	1.00	0.900	1.00	50.00	50.00	1.083	1.083	1.00
10	8:19	1.00	0.929	1.00	100.00	100.00	1.921	1.921	1.00
11	6:28	1.00	0.721	1.00	100.00	100.00	1.359	1.359	1.00
12	18:28	1.00	1.125	1.00	100.00	100.00	0.116	0.116	1.00
13	8:21	1.00	0.932	1.00	50.00	50.00	2.109	2.109	1.00
14	8:31	1.00	0.950	1.00	50.00	50.00	1.647	1.647	1.00
15	8:35	1.00	0.958	1.00	50.00	50.00	1.443	1.443	1.00
16	8:53	1.00	0.992	1.00	50.00	50.00	1.523	1.523	1.00
17	9:00	1.00	1.004	1.00	50.00	50.00	1.573	1.573	1.00
18	9:21	1.00	1.043	1.00	50.00	50.00	0.905	0.905	1.00
19	9:25	1.00	1.050	1.00	50.00	50.00	1.505	1.505	1.00
20	9:38	1.00	1.075	1.00	50.00	50.00	1.317	1.317	1.00
21	9:42	1.00	1.082	1.00	50.00	50.00	2.702	2.702	1.00
22	9:59	1.00	1.114	1.00	50.00	50.00	1.420	1.420	1.00
23	10:03	1.00	1.121	1.00	50.00	50.00	1.166	1.166	1.00
24	10:06	1.00	1.127	1.00	50.00	50.00	0.569	0.569	1.00
25	10:20	1.00	0.865	1.00	50.00	50.00	0.366	0.366	1.00
26	10:54	1.00	0.912	1.00	50.00	50.00	0.742	0.742	1.00
27	11:05	1.00	0.928	1.00	50.00	50.00	0.204	0.204	1.00
28	11:13	1.00	0.939	1.00	50.00	50.00	0.305	0.305	1.00
29	11:28	1.00	0.959	1.00	50.00	50.00	0.471	0.471	1.00
30	11:39	1.00	0.975	1.00	50.00	50.00	0.279	0.279	1.00
31	11:36	1.00	0.971	1.00	50.00	50.00	0.159	0.159	1.00
32	11:51	1.00	0.992	1.00	50.00	50.00	0.274	0.274	1.00
33	12:00	1.00	1.004	1.00	50.00	50.00	1.054	1.054	1.00
34	12:12	1.00	1.021	1.00	50.00	50.00	0.446	0.446	1.00
35	12:28	1.00	1.043	1.00	50.00	50.00	0.123	0.123	1.00
36	13:26	1.00	1.124	1.00	50.00	50.00	0.287	0.287	1.00
37	13:43	1.00	1.147	1.00	50.00	50.00	0.646	0.646	1.00
38	14:18	1.00	0.871	1.00	50.00	50.00	0.250	0.250	1.00
39	14:31	1.00	0.884	1.00	50.00	50.00	0.355	0.355	1.00
40	14:37	1.00	0.890	1.00	50.00	50.00	0.358	0.358	1.00
41	14:57	1.00	0.910	1.00	50.00	50.00	1.271	1.271	1.00
42	15:19	1.00	0.933	1.00	50.00	50.00	0.403	0.403	1.00
43	15:54	1.00	0.968	1.00	50.00	50.00	1.354	1.354	1.00
44	16:01	1.00	0.975	1.00	50.00	50.00	2.038	2.038	1.00
45	16:04	1.00	0.978	1.00	50.00	50.00	0.323	0.323	1.00
46	16:23	1.00	0.998	1.00	50.00	50.00	0.354	0.354	1.00
47	16:30	1.00	1.005	1.00	50.00	50.00	1.193	1.193	1.00
48	16:39	1.00	1.014	1.00	50.00	50.00	0.136	0.136	1.00
49	16:55	1.00	1.030	1.00	50.00	50.00	1.735	1.735	1.00
50	16:52	1.00	1.027	1.00	50.00	50.00	0.104	0.104	1.00

Quantitation Report File: STDR007

02364

Data: STDR007.TI
06/03/88 10:41:00
Sample: 50PPM HSL STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
51	C570	2,4-DINITROTOLUENE	165 S3#105	121-14-2
52	C580	DIETHYLPHTHALATE	149 S3#130	84-66-2
53	C590	FLUORENE	166 S3#135	86-73-7
54	C585	4-CHLOROPHENYL-PHENYLE	204 S3#140	7005-72-3
55	C595	4-NITROANALINE	138 S3#150	100-01-6
56	C610	4,6-DINITRO-2-METHYLPH	198 S4# 10	534-52-1
57	C615	N-NITROSODIPHENYLAMINE	169 S4# 15CC	87-30-6
58	C625	4-BROMOPHENYL-PHENYLET	248 S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284 S4# 40	118-74-1
60	C635	PENTACHLOROPHENOL	266 S4# 50	87-86-5
61	C640	PHENANTHRENE	178 S4# 65	85-01-8
62	C645	ANTHRACENE	178 S4# 70	120-12-7
63	C650	DI-N-BUTYLPHTHALATE	149 S4# 85	84-74-2
64	C655	FLUORANTHENE	202 S4#110CC	206-44-0
65	C715	PYRENE	202 S5# 15	129-00-0
66	C720	BUTYLBENZYLPHTHALATE	149 S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228 S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252 S5# 55	91-94-1
69	C740	CHRYSENE	228 S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149 S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252 S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252 S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252 S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276 S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278 S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276 S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1364	17:03	3	1.038	A BB	28087.	50.000 UG/ML	1.25
52	149	1418	17:43	3	1.079	A BV	91776.	50.000 UG/ML	1.25
53	166	1423	17:47	3	1.083	A BB	93880.	50.000 UG/ML	1.25
54	204	1426	17:49	3	1.085	A BB	41529.	50.000 UG/ML	1.25
55	138	1439	17:59	3	1.095	M XX	24339.	50.000 UG/ML	1.25
56	198	1448	18:06	4	0.896	A BB	13975.	50.000 UG/ML	1.25
57	169	1453	18:10	4	0.899	A BV	64917.	50.000 UG/ML	1.25
58	248	1526	19:04	4	0.944	A BB	20048.	50.000 UG/ML	1.25
59	284	1553	19:25	4	0.961	A BB	20213.	50.000 UG/ML	1.25
60	266	1592	19:54	4	0.985	A BB	11639.	50.000 UG/ML	1.25
61	178	1621	20:16	4	1.003	A BV	116276.	50.000 UG/ML	1.25
62	178	1630	20:22	4	1.009	A VB	113767.	50.000 UG/ML	1.25
63	149	1753	21:55	4	1.085	A BB	150804.	50.000 UG/ML	1.25
64	202	1869	23:22	4	1.157	A BB	100353.	50.000 UG/ML	1.25
65	202	1915	23:56	5	0.882	A BB	98499.	50.000 UG/ML	1.25
66	149	2064	25:48	5	0.951	A BB	54987.	50.000 UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2167	27:05	5	0.998	A BV	76887.	50.000	UG/ML	1.25
68	252	2167	27:05	5	0.998	A BB	48056.	100.000	UG/ML	2.51
69	228	2176	27:12	5	1.002	A VB	64176.	50.000	UG/ML	1.25
70	149	2189	27:22	5	1.008	A BB	81860.	50.000	UG/ML	1.25
71	149	2310	28:52	6	0.942	A BB	133086.	50.000	UG/ML	1.25
72	252	2382	29:46	6	0.971	A BV	68567.	50.000	UG/ML	1.25
73	252	2387	29:50	6	0.973	A VB	60363.	50.000	UG/ML	1.25
74	252	2442	30:31	6	0.996	A BB	61929.	50.000	UG/ML	1.25
75	276	2688	33:36	6	1.096	A BB	65060.	50.000	UG/ML	1.25
76	278	2692	33:39	6	1.097	A BB	51768.	50.000	UG/ML	1.25
77	276	2755	34:26	6	1.123	A BB	54997.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	17:03	1.00	1.038	1.00	50.00	50.00	0.394	0.394	1.00
52	17:43	1.00	1.079	1.00	50.00	50.00	1.287	1.287	1.00
53	17:47	1.00	1.083	1.00	50.00	50.00	1.316	1.316	1.00
54	17:49	1.00	1.085	1.00	50.00	50.00	0.582	0.582	1.00
55	17:59	1.00	1.095	1.00	50.00	50.00	0.341	0.341	1.00
56	18:06	1.00	0.896	1.00	50.00	50.00	0.139	0.139	1.00
57	18:10	1.00	0.899	1.00	50.00	50.00	0.648	0.648	1.00
58	19:04	1.00	0.944	1.00	50.00	50.00	0.200	0.200	1.00
59	19:25	1.00	0.961	1.00	50.00	50.00	0.202	0.202	1.00
60	19:54	1.00	0.985	1.00	50.00	50.00	0.116	0.116	1.00
61	20:16	1.00	1.003	1.00	50.00	50.00	1.160	1.160	1.00
62	20:22	1.00	1.009	1.00	50.00	50.00	1.135	1.135	1.00
63	21:55	1.00	1.085	1.00	50.00	50.00	1.504	1.504	1.00
64	23:22	1.00	1.157	1.00	50.00	50.00	1.001	1.001	1.00
65	23:56	1.00	0.882	1.00	50.00	50.00	1.550	1.550	1.00
66	25:48	1.00	0.951	1.00	50.00	50.00	0.865	0.865	1.00
67	27:05	1.00	0.998	1.00	50.00	50.00	1.210	1.210	1.00
68	27:05	1.00	0.998	1.00	100.00	100.00	0.378	0.378	1.00
69	27:12	1.00	1.002	1.00	50.00	50.00	1.010	1.010	1.00
70	27:22	1.00	1.008	1.00	50.00	50.00	1.288	1.288	1.00
71	28:52	1.00	0.942	1.00	50.00	50.00	2.442	2.442	1.00
72	29:46	1.00	0.971	1.00	50.00	50.00	1.258	1.258	1.00
73	29:50	1.00	0.973	1.00	50.00	50.00	1.108	1.108	1.00
74	30:31	1.00	0.996	1.00	50.00	50.00	1.137	1.137	1.00
75	33:36	1.00	1.096	1.00	50.00	50.00	1.194	1.194	1.00
76	33:39	1.00	1.097	1.00	50.00	50.00	0.950	0.950	1.00
77	34:26	1.00	1.123	1.00	50.00	50.00	1.009	1.009	1.00

RMAL QUANTITATION SUMMARY FILE: STDR007
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	717	1	29475.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	956	2	117730.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1314	3	57064.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1616	4	80191.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2171	5	50831.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2453	6	43591.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	824	2	54946.	0.373	50.000
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1178	3	95286.	1.336	50.000
9	S5# 2	CS30 TERPHENYL-D14	244	1953	5	68795.	1.083	50.000
10	S1# 3	CS45 PHENOL-D5	99	666	1	141551.	1.921	100.000
11	S1# 2	CS50 2-FLUOROPHENOL	112	517	1	100107.	1.359	100.000
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1478	3	16594.	0.116	100.000
13	S1#105	C315 PHENOL	94	668	1	77718.	2.109	50.000
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	681	1	60673.	1.647	50.000
15	S1#115	C330 2-CHLOROPHENOL	128	687	1	53154.	1.443	50.000
16	S1#125	C335 1,3-DICHLOROBENZENE	146	711	1	56118.	1.523	50.000
17	S1#130	C340 1,4-DICHLOROBENZENE	146	720	1	57943.	1.573	50.000
18	S1#145	C345 BENZYL ALCOHOL	108	748	1	33360.	0.905	50.000
19	S1#150	C350 1,2-DICHLOROBENZENE	146	753	1	55460.	1.505	50.000
20	S1#160	C355 2-METHYLPHENOL	108	771	1	48525.	1.317	50.000
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	776	1	99547.	2.702	50.000
22	S1#185	C365 4-METHYLPHENOL	108	799	1	52336.	1.420	50.000
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	804	1	42963.	1.166	50.000
24	S1#200	C375 HEXACHLOROETHANE	117	808	1	20955.	0.569	50.000
25	S2# 10	C410 NITROBENZENE	77	827	2	53875.	0.366	50.000
26	S2# 20	C415 ISOPHORONE	82	872	2	109217.	0.742	50.000
27	S2# 25	C420 2-NITROPHENOL	139	887	2	29965.	0.204	50.000
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	898	2	44817.	0.305	50.000
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	917	2	69374.	0.471	50.000
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	932	2	41036.	0.279	50.000
31	S2# 45	C430 BENZOIC ACID	122	928	2	23404.	0.159	50.000
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	948	2	40394.	0.274	50.000
33	S2# 60	C450 NAPHTHALENE	128	960	2	155090.	1.054	50.000
34	S2# 80	C455 4-CHLOROANALINE	127	976	2	65565.	0.446	50.000
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	997	2	18121.	0.123	50.000
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1075	2	42271.	0.287	50.000
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1097	2	95019.	0.646	50.000
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1144	3	17822.	0.250	50.000
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1161	3	25340.	0.355	50.000
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1169	3	25519.	0.358	50.000
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1196	3	90626.	1.271	50.000
42	S3# 45	C530 2-NITROANALINE	65	1226	3	28744.	0.403	50.000
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1272	3	96558.	1.354	50.000
44	S3# 65	C540 ACENAPHTHYLENE	152	1281	3	145370.	2.038	50.000
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1285	3	23035.	0.323	50.000
46	S3# 75	C545 3-NITROANILINE	138	1311	3	25219.	0.354	50.000
47	S3# 80	C550 ACENAPHTHENE	153	1320	3	85078.	1.193	50.000
48	S3# 85	C555 2,4-DINITROPHENOL	184	1332	3	9711.	0.136	50.000
49	S3# 90	C565 DIBENZOFURAN	168	1353	3	123729.	1.735	50.000
50	S3# 95	C560 4-NITROPHENOL	109	1350	3	7421.	0.104	50.000
51	S3#105	C570 2,4-DINITROTOLUENE	165	1364	3	28087.	0.394	50.000
52	S3#130	C580 DIETHYLPHTHALATE	149	1418	3	91776.	1.287	50.000
			66	14		93880	1.316	50.000

54	S3#140	C585	4-CHLOR HENYL- HEN								
55	S3#150	C595	4-NITROANALINE	138	1439	3	24339.	0.341	50.000		
56	S4# 10	C610	4,6-DINITRO-2-METHY	198	1448	4	13975.	0.139	50.000		
57	S4# 15	C615	N-NITROSODIPHENYLAM	169	1453	4	64917.	0.648	50.000		
58	S4# 30	C625	4-BROMOPHENYL-PHENY	248	1526	4	20048.	0.200	50.000		
59	S4# 40	C630	HEXACHLOROBENZENE	284	1553	4	20213.	0.202	50.000		
60	S4# 50	C635	PENTACHLOROPHENOL	266	1592	4	11639.	0.116	50.000		
61	S4# 65	C640	PHENANTHRENE	178	1621	4	116276.	1.160	50.000		
62	S4# 70	C645	ANTHRACENE	178	1630	4	113767.	1.135	50.000		
63	S4# 85	C650	DI-N-BUTYLPHTHALATE	149	1753	4	150804.	1.504	50.000		
64	S4#110	C655	FLUORANTHENE	202	1869	4	100353.	1.001	50.000		
65	S5# 15	C715	PYRENE	202	1915	5	98499.	1.550	50.000		
66	S5# 40	C720	BUTYLBENZYLPHTHALAT	149	2064	5	54987.	0.865	50.000		
67	S5# 50	C730	BENZO(A)ANTHRACENE	228	2167	5	76887.	1.210	50.000		
68	S5# 55	C725	3,3'-DICHLOROBENZID	252	2167	5	48056.	0.378	100.000		
69	S5# 60	C740	CHRYSENE	228	2176	5	64176.	1.010	50.000		
70	S5# 65	C745	BIS(2-ETHYLHEXYL)PH	149	2189	5	81860.	1.288	50.000		
71	S6# 10	C760	DI-N-OCTYL PHTHALAT	149	2310	6	133086.	2.442	50.000		
72	S6# 15	C765	BENZO(B)FLUORANTHEN	252	2382	6	68567.	1.258	50.000		
73	S6# 25	C770	BENZO(K)FLUORANTHEN	252	2387	6	60363.	1.108	50.000		
74	S6# 35	C775	BENZO(A)PYRENE	252	2442	6	61929.	1.137	50.000		
75	S6# 55	C780	INDENO(1,2,3-CD)PYR	276	2688	6	65060.	1.194	50.000		
76	S6# 60	C785	DIBENZ(A,H)ANTHRACE	278	2692	6	51768.	0.950	50.000		
77	S6# 65	C790	BENZO(G,H,I)PERYLEN	276	2755	6	54997.	1.009	50.000		

02367

6/1/88 15:47:00 SCAN 1 OF 2800
Acquisition started

02368

Acquire Run 0:STDU534 ACQUIRING
06/01/88 15:47:00 + 0:04 Free sectors: 11215 Scan: 5 of 2800
Sample: 50 PPM HSL STD 4-29-88
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No:

********** GC PARAMETERS **********

Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int.over : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 30
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/1/88 16:22:38
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

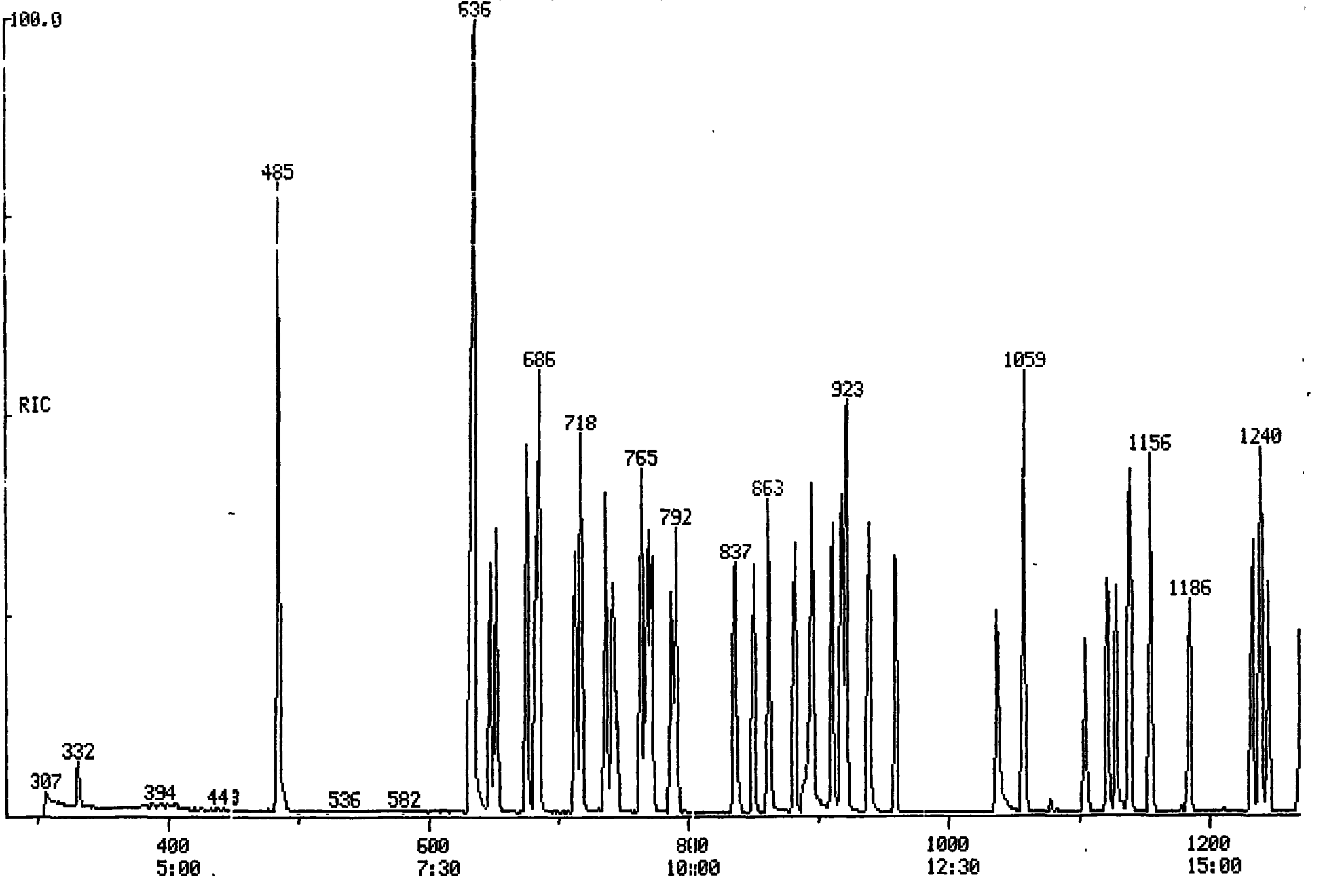
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	141.1	2100.0	6.7	32340.	12. 15.

02369

RIC
06/01/88 15:47:00
SAMPLE: 50 PPM HSL STD 4-29-88
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU534 #4
CALI: 053188CU #5

SCANS 270 TO 1270
OUT OF 270 TO 2800



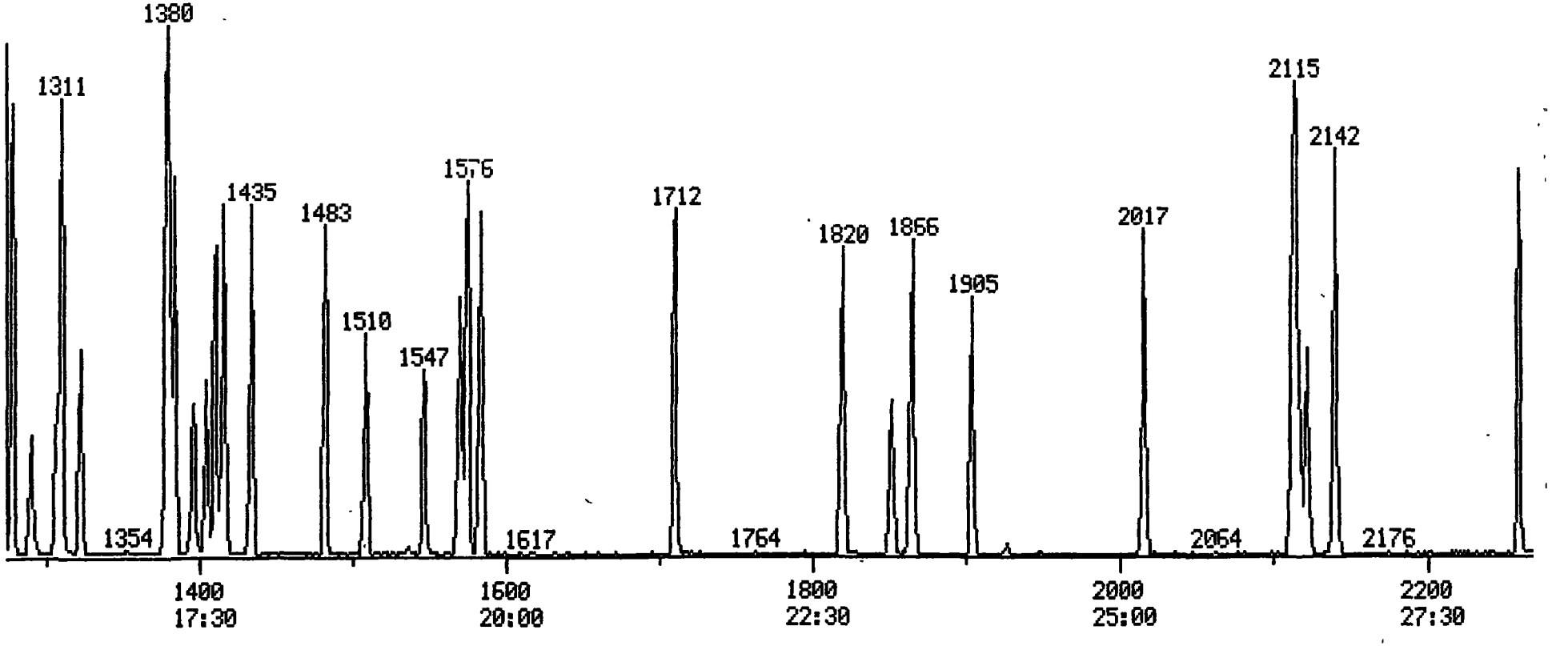
02370

RIC
06/01/88 15:47:00
SAMPLE: 50 PPM HSL STD 4-29-88
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU504 #4
CALI: 053188CU #5

SCANS 1270 TO 2270
OUT OF 270 TO 2800

100.0



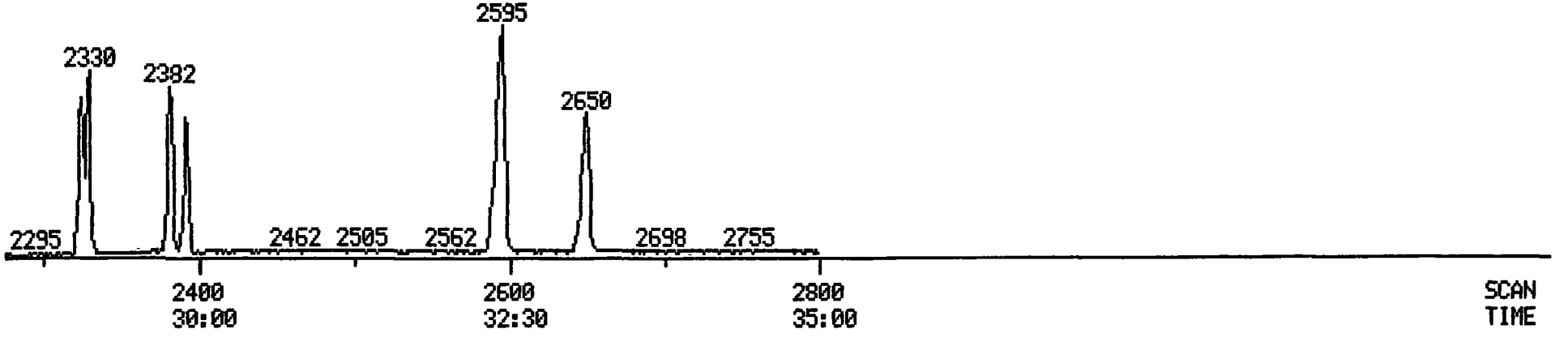
02371

PIC
06/01/88 15:47:00
SAMPLE: 50 PPM HSL STD 4-29-88
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU534 #4 SCANS 2279 TO 2930
CALI: 053188CU #5 OUT OF 270 TO 2800

100.0

104448.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/01/88 16:21:02
DATA FILE: STDU534
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

02372

---- STANDARDS -----				--- PLUS UNKNOWNS ---				- LIST NAMES -
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	7	7	1	75	ISO1/TCO1
3	3	1	16	18	18	1	56	ISO2/TCO2
3	3	1	16	12	12	2	69	ISO3/TCO3
3	3	1	37	18	18	1	50	ISO4/TCO4
3	3	1	37	10	10	1	52	ISO5/TCO5
3	3	1	28	8	8	2	68	ISO6/TCO6
3	3	1	27	14	14	8	95	ISO7/TCO7
1	1	1	0	4	4	1	24	ISO8/TCO8

77 COMPOUNDS PROCESSED, 77 FOUND

COMPOUND			SEARCH					SAT	CHRG			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-694	683	683	.	1	965	.	152	683	.	1
2	S1	2	-497	485	485	.	1	993	.	112	485	.	1
3	S1	3	-646	634	634	.	1	935	.	99	634	.	1
4	S1	105	-648	636	636	.	1	984	.	94	636	.	1
5	S1	110	-660	648	648	.	1	976	.	93	648	.	1
6	S1	115	-665	653	652	-1	1	990	.	128	652	.	1
7	S1	125	-689	677	676	-1	1	983	.	146	676	.	1
8	S2	1	-931	919	919	.	1	995	.	136	919	.	1
9	S3	1	-1285	1272	1272	.	1	992	.	164	1272	.	1
10	S1	130	-698	686	686	.	1	985	.	146	686	.	1
11	S1	145	-726	714	714	.	1	995	.	108	714	.	1
12	S1	150	-731	719	718	-1	1	988	.	146	718	.	1
13	S1	160	-750	738	738	.	1	985	.	108	738	.	1
14	S1	165	-755	743	743	.	1	962	.	45	743	.	1
15	S1	185	-777	765	765	.	1	995	.	108	765	.	1
16	S1	190	-782	770	770	.	1	998	.	70	770	.	1
17	S1	200	-785	773	773	.	1	997	.	117	773	.	1
18	S2	2	-801	789	788	-1	1	997	.	82	788	.	1
19	S2	10	-805	793	792	-1	1	993	.	77	792	.	1
20	S2	20	-850	838	837	-1	1	984	.	82	836	-1	1
21	S2	25	-864	852	851	-1	1	990	.	139	851	.	1
22	S2	30	-876	864	863	-1	1	995	.	107	863	.	1
23	S2	35	-895	882	883	1	1	998	.	93	883	.	1
24	S2	40	-909	896	896	.	1	989	.	162	896	.	1
25	S2	45	-910	897	896	-1	1	979	.	122	896	.	1
26	S2	55	-925	912	912	.	1	989	.	180	912	.	1
27	S2	60	-936	923	923	.	1	996	.	138	922	-1	1
28	S2	80	-953	940	940	.	1	976	.	127	940	.	1
29	S2	95	-973	960	960	.	1	993	.	225	960	.	1
30	S2	130	-1051	1038	1038	.	1	992	.	107	1038	.	1
31	S2	145	-1072	1059	1059	.	1	994	.	142	1059	.	1
32	S3	20	-1119	1106	1106	.	1	992	.	237	1105	-1	1
33	S3	25	-1136	1123	1122	-1	2	991	.	196	1122	.	1
34	S4	1	-1584	1571	1571	.	1	991	.	188	1571	.	1
35	S3	30	-1142	1129	1129	.	1	984	.	196	1129	.	1
36	S3	3	-1153	1140	1140	.	1	999	.	172	1140	.	1
37	S3	40	-1169	1156	1156	.	1	997	.	162	1156	.	1
38	S3	45	-1199	1186	1186	.	1	993	.	65	1186	.	1
39	S3	55	-1246	1233	1234	1	1	971	.	163	1234	.	1
40	S3	65	-1254	1241	1240	-1	1	981	.	152	1240	.	1
41	S3	70	-1259	1246	1246	.	1	995	.	165	1246	.	1
42	S3	75	-1284	1271	1271	.	1	996	.	138	1271	.	1
43	S3	80	-1292	1279	1279	.	1	994	.	153	1279	.	1
44	S3	85	-1304	1291	1291	.	1	985	.	184	1291	.	1
45	S3	95	-1321	1308	1308	.	1	994	.	109	1308	.	1
46	S3	90	-1325	1312	1311	-1	1	967	.	168	1311	.	1
47	S3	105	-1336	1323	1323	.	1	994	.	165	1323	.	1
48	S3	130	-1392	1379	1379	.	1	950	.	149	1379	.	1
49	S3	135	-1395	1382	1381	-1	1	885	.	166	1381	.	1
50	S3	140	-1398	1385	1385	.	1	987	.	204	1385	.	1
51	S3	150	-1411	1398	1397	-1	1	973	.	138	1397	.	1
52	S4	10	-1420	1407	1406	-1	1	967	.	198	1406	.	1
53	S4	15	-1425	1412	1412	.	1	983	.	169	1411	-1	1
54	S3	2	-1448	1435	1435	.	1	941	.	330	1434	-1	1
55	S4	30	-1496	1483	1483	.	1	963	.	248	1483	.	1
56	S4	40	-1524	1511	1510	-1	1	984	.	284	1510	.	1
57	S5	1	-2132	2118	2118	.	1	989	.	240	2118	.	1
58	S4	50	-1561	1547	1547	.	1	985	.	266	1547	.	1
59	S4	65	-1590	1576	1576	.	2	959	.	178	1576	.	1
60	S4	70	-1599	1585	1585	.	1	945	.	178	1584	-1	1
61	S4	85	-1725	1711	1712	1	1	931	.	149	1712	.	1
62	S4	110	-1835	1821	1820	-1	1	991	.	202	1820	.	1
63	S6	1	-2407	2392	2392	.	1	992	.	264	2392	.	1
			-1881	1867	1866	-1	1	985	.	202	1866	.	1

66	S5	40	-2031	2017	2017	.	1	994	.	149	2017	.
67	S5	50	-2129	2115	2114	-1	2	995	.	228	2114	.
68	S5	55	-2130	2116	2115	-1	1	987	.	252	2115	.
69	S5	60	-2139	2124	2123	-1	1	994	.	228	2123	.
70	S5	65	-2155	2140	2142	2	1	996	.	149	2142	.
71	S6	10	-2274	2259	2261	2	1	996	.	149	2261	.
72	S6	15	-2340	2325	2325	.	2	986	.	252	2325	.
73	S6	25	-2345	2330	2330	.	2	994	.	252	2329	-1
74	S6	35	-2398	2383	2382	-1	1	989	.	252	2382	.
75	S6	55	-2617	2593	2593	.	1	989	.	276	2593	.
76	S6	60	-2620	2596	2596	.	1	976	.	278	2596	.
77	S6	65	-2676	2650	2650	.	1	995	.	276	2650	.

02374

Data: STDU534.TI
06/01/88 15:47:00
Sample: 50 PPM HSL STD 4-29-88
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1#	01	3855-82-1
2	CS50	2-FLUOROPHENOL	112	SS1#	02	367-12-4
3	CS45	PHENOL-D5	99	SS1#	03	4165-62-2
4	C315	PHENOL	94	S1#	105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#	110	111-44-4
6	C330	2-CHLOROPHENOL	128	S2#	115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146	S1#	125	541-73-1
8	CI40	NAPHTHALENE-D8	136	IS2#	01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164	IS3#	01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146	S1#	130CC	106-46-7
11	C345	BENZYL ALCOHOL	108	S1#	145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146	S1#	150	95-50-1
13	C355	2-METHYLPHENOL	108	S1#	160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#	165	108-60-1
15	C365	4-METHYLPHENOL	108	S1#	185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#	190SP	621-64-7
17	C375	HEXACHLOROETHANE	117	S1#	200	67-72-1
18	CS20	NITROBENZENE-D5	82	SS2#	02	4165-60-0
19	C410	NITROBENZENE	77	S2#	10	98-95-3
20	C415	ISOPHORONE	82	S2#	20	75-59-1
21	C420	2-NITROPHENOL	139	S2#	25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107	S2#	30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93	S2#	35	111-91-1
24	C440	2,4-DICHLOROPHENOL	162	S2#	40	120-83-2
25	C430	BENZOIC ACID	122	S2#	45	65-85-0
26	C445	1,2,4-TRICHLOROBENZENE	180	S2#	55	120-82-1
27	C450	NAPHTHALENE	128	S2#	60	91-20-3
28	C455	4-CHLOROANALINE	127	S2#	80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225	S2#	95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107	S2#	130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142	S2#	145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237	S3#	20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196	S3#	25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188	IS4#	01	1517-22-2
35	C520	2,4,5-TRICHLOROPHENOL	196	S3#	30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172	SS3#	03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162	S3#	40	91-58-7
38	C530	2-NITROANALINE	65	S3#	45	88-74-4
39	C535	DIMETHYLPHTHALATE	163	S3#	55	131-11-3
40	C540	ACENAPHTHYLENE	152	S3#	65	208-96-8
41	C575	2,6-DINITROTOLUENE	165	S3#	70	606-20-2
42	C545	3-NITROANILINE	138	S3#	75	99-09-2
43	C550	ACENAPHTHENE	153	S3#	80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184	S3#	85SP	51-28-5
45	C560	4-NITROPHENOL	109	S3#	95SP	100-02-7
46	C565	DIBENZOFURAN	168	S3#	90	132-64-9
47	C570	2,4-DINITROTOLUENE	165	S3#	105	121-14-2

02375

No	Name				
48	C580	DIETHYLPHTHALATE	149 S3#130	84-66-2	
49	C590	FLUORENE	166 S3#135	86-73-7	
50	C585	4-CHLOROPHENYL-PHENYLE	204 S3#140	7005-72-3	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	683	8:32	1	1.000	A BB	13685.	40.000	UG/ML	1.00
2	112	485	6:04	1	0.710	A BB	49366.	108.041	UG/ML	2.70
3	99	634	7:55	1	0.928	A BB	60860.	105.420	UG/ML	2.64
4	94	636	7:57	1	0.931	A BV	34294.	50.921	UG/ML	1.27
5	93	648	8:06	1	0.949	A VB	26350.	53.887	UG/ML	1.35
6	128	652	8:09	1	0.955	A BB	25144.	51.594	UG/ML	1.29
7	146	676	8:27	1	0.990	A BV	27376.	53.325	UG/ML	1.33
8	136	919	11:29	8	1.000	A BB	48896.	40.000	UG/ML	1.00
9	164	1272	15:54	9	1.000	A BB	21505.	40.000	UG/ML	1.00
10	146	686	8:34	1	1.004	A VB	28490.	51.000	UG/ML	1.28
11	108	714	8:55	1	1.045	A BB	13823.	56.017	UG/ML	1.40
12	146	718	8:58	1	1.051	A BB	25390.	50.016	UG/ML	1.25
13	108	738	9:13	1	1.081	A BB	18890.	48.626	UG/ML	1.22
14	45	743	9:17	1	1.088	A BB	41803.	52.176	UG/ML	1.30
15	108	765	9:34	1	1.120	A BV	21457.	53.985	UG/ML	1.35
16	70	770	9:37	1	1.127	A BB	18320.	55.023	UG/ML	1.38
17	117	773	9:40	1	1.132	A BB	10631.	52.571	UG/ML	1.31
18	82	788	9:51	8	0.857	A BB	22945.	49.970	UG/ML	1.25
19	77	792	9:54	8	0.862	A BB	24591.	51.471	UG/ML	1.29
20	82	836	10:27	8	0.910	A BB	43438.	50.089	UG/ML	1.25
21	139	851	10:38	8	0.926	A BB	13507.	51.362	UG/ML	1.28
22	107	863	10:47	8	0.939	A BB	18785.	51.606	UG/ML	1.29
23	93	883	11:02	8	0.961	A BB	27006.	50.250	UG/ML	1.26
24	162	896	11:12	8	0.975	A BB	18482.	49.428	UG/ML	1.24
25	122	896	11:12	8	0.975	A BB	9874.	40.862	UG/ML	1.02
26	180	912	11:24	8	0.992	A BB	18942.	47.328	UG/ML	1.18
27	128	922	11:31	8	1.003	A BB	66397.	48.517	UG/ML	1.21
28	127	940	11:45	8	1.023	A BB	26540.	49.925	UG/ML	1.25
29	225	960	12:00	8	1.045	A BB	9885.	46.734	UG/ML	1.17
30	107	1038	12:58	8	1.129	A BB	15856.	49.879	UG/ML	1.25
31	142	1059	13:14	8	1.152	A BB	38681.	47.306	UG/ML	1.18
32	237	1105	13:49	9	0.869	A BB	8342.	51.956	UG/ML	1.30
33	196	1122	14:01	9	0.882	A BV	11100.	49.260	UG/ML	1.23
34	188	1571	19:38	34	1.000	A BB	32201.	40.000	UG/ML	1.00
35	196	1129	14:07	9	0.888	A VB	11469.	47.155	UG/ML	1.18
36	172	1140	14:15	9	0.896	A BB	39314.	49.374	UG/ML	1.23
37	162	1156	14:27	9	0.909	A BB	34837.	49.164	UG/ML	1.23
38	65	1186	14:49	9	0.932	A BB	12211.	50.295	UG/ML	1.26
39	163	1234	15:25	9	0.970	A BB	39345.	48.312	UG/ML	1.21
40	152	1240	15:30	9	0.975	A BB	54555.	50.919	UG/ML	1.27
41	165	1246	15:34	9	0.980	A BB	9503.	48.388	UG/ML	1.21
42	138	1271	15:53	9	0.999	A BB	11432.	50.930	UG/ML	1.27
43	153	1279	15:59	9	1.006	A BB	33017.	48.420	UG/ML	1.21
44	184	1291	16:08	9	1.015	A BB	5179.	54.477	UG/ML	1.36
45	109	1308	16:21	9	1.028	A BB	4775.	49.462	UG/ML	1.24
46	168	1311	16:23	9	1.031	A BB	46848.	48.519	UG/ML	1.21
47	165	1323	16:32	9	1.040	A BB	11487.	47.742	UG/ML	1.19
48	149	1379	17:14	9	1.084	A BB	41924.	52.963	UG/ML	1.32
49	166	1381	17:16	9	1.086	A BB	37166.	48.406	UG/ML	1.21
50	204	1385	17:19	9	1.089	A BB	16541.	47.251	UG/ML	1.18

02376

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:41	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:13	0.98	0.715	0.99	108.04	100.00	1.443	1.336	1.08
3	8:04	0.98	0.929	1.00	105.42	100.00	1.779	1.688	1.05
4	8:06	0.98	0.932	1.00	50.92	50.00	2.005	1.968	1.02
5	8:15	0.98	0.950	1.00	53.89	50.00	1.541	1.429	1.08
6	8:19	0.98	0.957	1.00	51.59	50.00	1.470	1.424	1.03
7	8:37	0.98	0.991	1.00	53.32	50.00	1.600	1.501	1.07
8	11:39	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	16:04	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	8:43	0.98	1.004	1.00	51.00	50.00	1.665	1.633	1.02
11	9:04	0.98	1.045	1.00	56.02	50.00	0.808	0.721	1.12
12	9:08	0.98	1.052	1.00	50.02	50.00	1.484	1.484	1.00
13	9:22	0.98	1.079	1.00	48.63	50.00	1.104	1.135	0.97
14	9:26	0.98	1.086	1.00	52.18	50.00	2.444	2.342	1.04
15	9:43	0.98	1.118	1.00	53.99	50.00	1.254	1.162	1.08
16	9:46	0.98	1.125	1.00	55.02	50.00	1.071	0.973	1.10
17	9:49	0.98	1.129	1.00	52.57	50.00	0.621	0.591	1.05
18	10:01	0.98	0.859	1.00	49.97	50.00	0.375	0.376	1.00
19	10:04	0.98	0.864	1.00	51.47	50.00	0.402	0.391	1.03
20	10:37	0.98	0.912	1.00	50.09	50.00	0.711	0.709	1.00
21	10:48	0.98	0.927	1.00	51.36	50.00	0.221	0.215	1.03
22	10:57	0.99	0.940	1.00	51.61	50.00	0.307	0.298	1.03
23	11:11	0.99	0.960	1.00	50.25	50.00	0.442	0.440	1.00
24	11:22	0.99	0.975	1.00	49.43	50.00	0.302	0.306	0.99
25	11:22	0.98	0.976	1.00	40.86	50.00	0.162	0.198	0.82
26	11:34	0.99	0.992	1.00	47.33	50.00	0.310	0.327	0.95
27	11:42	0.99	1.004	1.00	48.52	50.00	1.086	1.120	0.97
28	11:55	0.99	1.023	1.00	49.92	50.00	0.434	0.435	1.00
29	12:10	0.99	1.044	1.00	46.73	50.00	0.162	0.173	0.93
30	13:08	0.99	1.128	1.00	49.88	50.00	0.259	0.260	1.00
31	13:24	0.99	1.150	1.00	47.31	50.00	0.633	0.669	0.95
32	13:59	0.99	0.870	1.00	51.96	50.00	0.310	0.299	1.04
33	14:12	0.99	0.883	1.00	49.26	50.00	0.413	0.419	0.99
34	19:49	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:16	0.99	0.888	1.00	47.15	50.00	0.427	0.453	0.94
36	14:25	0.99	0.897	1.00	49.37	50.00	1.463	1.481	0.99
37	14:37	0.99	0.909	1.00	49.16	50.00	1.296	1.318	0.98
38	14:59	0.99	0.932	1.00	50.30	50.00	0.454	0.452	1.01
39	15:34	0.99	0.969	1.00	48.31	50.00	1.464	1.515	0.97
40	15:40	0.99	0.975	1.00	50.92	50.00	2.030	1.993	1.02
41	15:44	0.99	0.979	1.00	48.39	50.00	0.354	0.365	0.97
42	16:03	0.99	0.998	1.00	50.93	50.00	0.425	0.418	1.02
43	16:09	0.99	1.005	1.00	48.42	50.00	1.228	1.268	0.97
44	16:18	0.99	1.014	1.00	54.48	50.00	0.193	0.177	1.09
45	16:31	0.99	1.027	1.00	49.46	50.00	0.178	0.180	0.99
46	16:34	0.99	1.030	1.00	48.52	50.00	1.743	1.796	0.97
47	16:42	0.99	1.039	1.00	47.74	50.00	0.427	0.448	0.95
48	17:24	0.99	1.082	1.00	52.96	50.00	1.560	1.472	1.06
49	17:26	0.99	1.085	1.00	48.41	50.00	1.383	1.428	0.97
50	17:28	0.99	1.087	1.00	47.25	50.00	0.615	0.651	0.95

Quantitation Report File: STDU534

02377

Data: STDU534.TI
06/01/88 15:47:00
Sample: 50 PPM HSL STD 4-29-88
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
51	C595	4-NITROANALINE	138	S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
54	C6JJ	2,4,6-TRIBROMOPHENOL	330	S3# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
57	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
59	C640	PHENANTHRENE	178	S4# 65	85-01-8
60	C645	ANTHRACENE	178	S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
62	C655	FLUORANTHENE	202	S4#110CC	206-44-0
63	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
64	C715	PYRENE	202	S5# 15	129-00-0
65	CS30	TERPHENYL-D14	244	SS5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C735	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	138	1397	17:28	9	1.098	A BB	9339.	48.720	UG/ML	1.22
52	198	1406	17:34	34	0.895	A BB	6998.	54.487	UG/ML	1.36
53	169	1411	17:38	34	0.898	A BB	24993.	51.721	UG/ML	1.29
54	330	1434	17:55	9	1.127	A BB	6892.	96.601	UG/ML	2.42
55	248	1483	18:32	34	0.944	A BB	8109.	52.147	UG/ML	1.30
56	284	1510	18:52	34	0.961	A BB	8328.	52.029	UG/ML	1.30
57	240	2118	26:28	57	1.000	A BB	18718.	40.000	UG/ML	1.00
58	266	1547	19:20	34	0.985	A BB	5658.	50.754	UG/ML	1.27
59	178	1576	19:42	34	1.003	A BV	45387.	48.947	UG/ML	1.22
60	178	1584	19:48	34	1.008	A VB	46331.	49.084	UG/ML	1.23
61	149	1712	21:24	34	1.090	A BB	61207.	47.291	UG/ML	1.18
62	202	1820	22:45	34	1.158	A BB	39933.	44.718	UG/ML	1.12
63	264	2392	29:54	63	1.000	A BB	13931.	40.000	UG/ML	1.00
64	202	1866	23:19	57	0.881	A BB	38580.	50.024	UG/ML	1.25
65	244	1905	23:49	57	0.899	A BB	25471.	48.369	UG/ML	1.21
66	149	2017	25:13	57	0.952	A BB	22102.	52.695	UG/ML	1.32

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2114	26:25	57	0.998	A BV	29327.	48.002	UG/ML	1.20
68	252	2115	26:26	57	0.999	A BB	18464.	86.140	UG/ML	2.15
69	228	2123	26:32	57	1.002	A VB	23399.	46.505	UG/ML	1.16
70	149	2142	26:46	57	1.011	A BB	32529.	54.238	UG/ML	1.36
71	149	2261	28:16	63	0.945	A BB	47622.	54.956	UG/ML	1.37
72	252	2325	29:04	63	0.972	A BV	22374.	54.131	UG/ML	1.35
73	252	2329	29:07	63	0.974	A VB	20669.	46.753	UG/ML	1.17
74	252	2382	29:46	63	0.996	A BV	21171.	50.145	UG/ML	1.25
75	276	2593	32:25	63	1.084	A BB	29129.	50.464	UG/ML	1.26
76	278	2596	32:27	63	1.085	A BB	22747.	46.824	UG/ML	1.17
77	276	2650	33:07	63	1.108	A BB	25874.	52.633	UG/ML	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:38	0.99	1.097	1.00	48.72	50.00	0.347	0.357	0.97
52	17:45	0.99	0.896	1.00	54.49	50.00	0.174	0.160	1.09
53	17:49	0.99	0.899	1.00	51.72	50.00	0.621	0.600	1.03
54	18:06	0.99	1.126	1.00	96.60	100.00	0.128	0.133	0.97
55	18:42	0.99	0.944	1.00	52.15	50.00	0.201	0.193	1.04
56	19:03	0.99	0.962	1.00	52.03	50.00	0.207	0.199	1.04
57	26:40	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:31	0.99	0.985	1.00	50.75	50.00	0.141	0.138	1.02
59	19:52	0.99	1.003	1.00	48.95	50.00	1.128	1.152	0.98
60	19:59	0.99	1.009	1.00	49.08	50.00	1.151	1.173	0.98
61	21:34	0.99	1.088	1.00	47.29	50.00	1.521	1.608	0.95
62	22:56	0.99	1.158	1.00	44.72	50.00	0.992	1.109	0.89
63	30:06	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:31	0.99	0.882	1.00	50.02	50.00	1.649	1.648	1.00
65	23:59	0.99	0.900	1.00	48.37	50.00	1.089	1.125	0.97
66	25:23	0.99	0.952	1.00	52.70	50.00	0.945	0.896	1.05
67	26:37	0.99	0.998	1.00	48.00	50.00	1.253	1.306	0.96
68	26:37	0.99	0.999	1.00	86.14	100.00	0.395	0.458	0.86
69	26:44	0.99	1.003	1.00	46.50	50.00	1.000	1.075	0.93
70	26:56	0.99	1.010	1.00	54.24	50.00	1.390	1.282	1.08
71	28:25	0.99	0.944	1.00	54.96	50.00	2.735	2.488	1.10
72	29:15	0.99	0.972	1.00	54.13	50.00	1.285	1.187	1.08
73	29:19	0.99	0.974	1.00	46.75	50.00	1.187	1.269	0.94
74	29:58	0.99	0.996	1.00	50.15	50.00	1.216	1.212	1.00
75	32:43	0.99	1.087	1.00	50.46	50.00	1.673	1.657	1.01
76	32:45	0.99	1.088	1.00	46.82	50.00	1.306	1.395	0.94
77	33:27	0.99	1.111	1.00	52.63	50.00	1.486	1.412	1.05

TOP FINISHED; 77 FOUND
FINISHED AT: 8/31/88 10:56:27

02379

RMAL QUANTITATION SUMMARY FILE: STDU334
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	683	1	13685.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	919	2	48896.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1272	3	21503.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1571	4	32201.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2118	5	18718.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2392	6	13931.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	788	2	22943.	0.375	49.970
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1140	3	39314.	1.463	49.374
9	S5# 2	CS30 TERPHENYL-D14	244	1905	5	25471.	1.089	48.369
10	S1# 3	CS45 PHENOL-D5	99	634	1	60880.	1.779	105.420
11	S1# 2	CS50 2-FLUOROPHENOL	112	485	1	49366.	1.443	108.041
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1434	3	6892.	0.128	96.601
13	S1#105	C315 PHENOL	94	636	1	34294.	2.005	50.921
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	648	1	26353.	1.541	53.887
15	S1#115	C330 2-CHLOROPHENOL	128	652	1	25144.	1.470	51.594
16	S1#125	C335 1,3-DICHLOROBENZENE	146	676	1	27376.	1.600	53.325
17	S1#130	C340 1,4-DICHLOROBENZENE	146	686	1	28490.	1.665	51.000
18	S1#145	C345 BENZYL ALCOHOL	108	714	1	13823.	0.808	56.017
19	S1#150	C350 1,2-DICHLOROBENZENE	146	718	1	25390.	1.484	50.016
20	S1#160	C355 2-METHYLPHENOL	108	738	1	18890.	1.104	48.626
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	743	1	41803.	2.444	52.176
22	S1#185	C365 4-METHYLPHENOL	108	765	1	21457.	1.254	53.985
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	770	1	18320.	1.071	55.023
24	S1#200	C375 HEXACHLOROETHANE	117	773	1	10631.	0.621	52.571
25	S2# 10	C410 NITROBENZENE	77	792	2	24591.	0.402	51.471
26	S2# 20	C415 ISOPHORONE	82	836	2	43438.	0.711	50.089
27	S2# 25	C420 2-NITROPHENOL	139	851	2	13507.	0.221	51.362
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	863	2	18789.	0.307	51.606
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	883	2	27006.	0.442	50.250
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	896	2	18482.	0.302	49.428
31	S2# 45	C430 BENZOIC ACID	122	896	2	9874.	0.162	40.862
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	912	2	18942.	0.310	47.328
33	S2# 60	C450 NAPHTHALENE	128	922	2	66397.	1.086	48.517
34	S2# 80	C455 4-CHLOROANALINE	127	940	2	26540.	0.434	49.925
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	960	2	9885.	0.162	46.734
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1038	2	15858.	0.259	49.879
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1059	2	38681.	0.633	47.306
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1105	3	8342.	0.310	51.956
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1122	3	11100.	0.413	49.260
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1129	3	11489.	0.427	47.155
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1156	3	34837.	1.296	49.164
42	S3# 45	C530 2-NITROANALINE	65	1186	3	12211.	0.454	50.295
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1234	3	39345.	1.464	48.312
44	S3# 65	C540 ACENAPHTHYLENE	152	1240	3	54553.	2.030	50.919
45	S3# 70	C575 2,6-DINITROTOLUENE	165	1246	3	9503.	0.354	48.388
46	S3# 75	C545 3-NITROANILINE	138	1271	3	11432.	0.425	50.930
47	S3# 80	C550 ACENAPHTHENE	153	1279	3	33017.	1.228	48.420
48	S3# 85	C555 2,4-DINITROPHENOL	184	1291	3	5179.	0.193	54.477
49	S3# 90	C565 DIBENZOFURAN	168	1311	3	46848.	1.743	48.519
50	S3# 95	C560 4-NITROPHENOL	109	1308	3	4775.	0.178	49.462
51	S3#105	C570 2,4-DINITROTOLUENE	165	1323	3	11487.	0.427	47.742
52	S3#130	C580 DIETHYLPHTHALATE	149	1379	3	41924.	1.560	52.963
53	S3#135	C590 FLUORENE	166	1381	3	37166.	1.383	48.406
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1385	3	16541.	0.615	47.251
55	S3#150	C595 4-NITROANALINE	138	1397	3	9339.	0.347	48.720
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1406	4	6998.	0.174	54.487
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1411	4	24993.	0.621	51.721
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1483	4	8109.	0.201	52.147
59	S4# 40	C630 HEXACHLOROBENZENE	284	1510	4	8328.	0.207	52.029
60	S4# 50	C635 PENTACHLOROPHENOL	266	1547	4	5658.	0.141	50.754
61	S4# 65	C640 PHENANTHRENE	178	1576	4	45387.	1.128	48.947
62	S4# 70	C645 ANTHRACENE	178	1584	4	46331.	1.151	49.084
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1712	4	61207.	1.521	47.291
64	S4#110	C655 FLUORANTHENE	202	1820	4	39933.	0.992	44.718
65	S5# 15	C715 PYRENE	202	1866	5	38580.	1.649	50.024
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2017	5	22102.	0.945	52.695
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2114	5	29327.	1.253	48.002
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2115	5	18464.	0.395	86.140
69	S5# 60	C740 CHRYSENE	228	2123	5	33399.	1.000	46.505
70	S5# 65	C735 BIS(2-ETHYLHEXYL)PH	149	2142	5	32529.	1.390	54.238
71	S6# 10	C760 DI-N-OCTYL PHTHALAT	149	2261	6	47622.	2.735	54.956
72	S6# 15	C765 BENZO(B)FLUORANTHEN	252	2325	6	22374.	1.285	54.131

74	S6#	35	7	N2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2593	6	29129.	1.673	50.464	
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2596	6	22747.	1.306	46.824	
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2650	6	25874.	1.486	52.633	

Quantitation Report File: STDU534

02381

Data: STDU534.TI
06/01/88 15:47:00
Sample: 50 PPM HSL STD 4-29-88
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1#	01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2#	01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3#	01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4#	01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5#	01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6#	01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2#	02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3#	03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5#	02	1718-51-0
10	CS45	PHENOL-D5	99	SS1#	03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1#	02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3#	02	118-79-6
13	C315	PHENOL	94	S1#	105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#	110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#	115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#	125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#	130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#	145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#	150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#	160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#	165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#	185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#	190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#	200	67-72-1
25	C410	NITROBENZENE	77	S2#	10	98-95-3
26	C415	ISOPHORONE	82	S2#	20	75-59-1
27	C420	2-NITROPHENOL	139	S2#	25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2#	30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2#	35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2#	40	120-83-2
31	C430	BENZOIC ACID	122	S2#	45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2#	55	120-82-1
33	C450	NAPHTHALENE	128	S2#	60	91-20-3
34	C455	4-CHLOROANALINE	127	S2#	80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2#	95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#	130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#	145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3#	20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3#	25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3#	30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3#	40	91-58-7
42	C530	2-NITROANALINE	65	S3#	45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3#	55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3#	65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3#	70	606-20-2
46	C545	3-NITROANILINE	138	S3#	75	99-09-2
47	C550	ACENAPHTHENE	153	S3#	80CC	83-32-9

No	Name				
48	C555	2,4-DINITROPHENOL	184 S3# 85SP	51-28-5	
49	C565	DIBENZOFURAN	168 S3# 90	132-64-9	
50	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	683	8:32	1	1.000	A BB	13685.	40.000	UG/ML	1.00
2	136	919	11:29	2	1.000	A BB	48896.	40.000	UG/ML	1.00
3	164	1272	15:54	3	1.000	A BB	21503.	40.000	UG/ML	1.00
4	188	1571	19:38	4	1.000	A BB	32201.	40.000	UG/ML	1.00
5	240	2118	26:28	5	1.000	A BB	18718.	40.000	UG/ML	1.00
6	264	2392	29:54	6	1.000	A BB	13931.	40.000	UG/ML	1.00
7	82	788	9:51	2	0.857	A BB	22943.	50.000	UG/ML	1.25
8	172	1140	14:15	3	0.896	A BB	39314.	50.000	UG/ML	1.25
9	244	1905	23:49	5	0.899	A BB	25471.	50.000	UG/ML	1.25
10	99	634	7:55	1	0.928	A BB	60880.	100.000	UG/ML	2.51
11	112	485	6:04	1	0.710	A BB	49366.	100.000	UG/ML	2.51
12	330	1434	17:55	3	1.127	A BB	6892.	100.000	UG/ML	2.51
13	94	636	7:57	1	0.931	A BV	34294.	50.000	UG/ML	1.25
14	93	648	8:06	1	0.949	A VB	26353.	50.000	UG/ML	1.25
15	128	652	8:09	1	0.955	A BB	25144.	50.000	UG/ML	1.25
16	146	676	8:27	1	0.990	A BV	27376.	50.000	UG/ML	1.25
17	146	686	8:34	1	1.004	A VB	28490.	50.000	UG/ML	1.25
18	108	714	8:55	1	1.045	A BB	13823.	50.000	UG/ML	1.25
19	146	718	8:58	1	1.051	A BB	25390.	50.000	UG/ML	1.25
20	108	738	9:13	1	1.081	A BB	18890.	50.000	UG/ML	1.25
21	45	743	9:17	1	1.088	A BB	41803.	50.000	UG/ML	1.25
22	108	765	9:34	1	1.120	A BV	21457.	50.000	UG/ML	1.25
23	70	770	9:37	1	1.127	A BB	18320.	50.000	UG/ML	1.25
24	117	773	9:40	1	1.132	A BB	10631.	50.000	UG/ML	1.25
25	77	792	9:54	2	0.862	A BB	24591.	50.000	UG/ML	1.25
26	82	836	10:27	2	0.910	A BB	43438.	50.000	UG/ML	1.25
27	139	851	10:38	2	0.926	A BB	13507.	50.000	UG/ML	1.25
28	107	863	10:47	2	0.939	A BB	18789.	50.000	UG/ML	1.25
29	93	883	11:02	2	0.961	A BB	27006.	50.000	UG/ML	1.25
30	162	896	11:12	2	0.975	A BB	18482.	50.000	UG/ML	1.25
31	122	896	11:12	2	0.975	A BB	9874.	50.000	UG/ML	1.25
32	180	912	11:24	2	0.992	A BB	18942.	50.000	UG/ML	1.25
33	128	922	11:31	2	1.003	A BB	66397.	50.000	UG/ML	1.25
34	127	940	11:45	2	1.023	A BB	26540.	50.000	UG/ML	1.25
35	225	960	12:00	2	1.045	A BB	9885.	50.000	UG/ML	1.25
36	107	1038	12:58	2	1.129	A BB	15858.	50.000	UG/ML	1.25
37	142	1059	13:14	2	1.152	A BB	38681.	50.000	UG/ML	1.25
38	237	1105	13:49	3	0.869	A BB	8342.	50.000	UG/ML	1.25
39	196	1122	14:01	3	0.882	A BV	11100.	50.000	UG/ML	1.25
40	196	1129	14:07	3	0.888	A VB	11469.	50.000	UG/ML	1.25
41	162	1156	14:27	3	0.909	A BB	34837.	50.000	UG/ML	1.25
42	65	1186	14:49	3	0.932	A BB	12211.	50.000	UG/ML	1.25
43	163	1234	15:25	3	0.970	A BB	39345.	50.000	UG/ML	1.25
44	152	1240	15:30	3	0.975	A BB	54555.	50.000	UG/ML	1.25
45	165	1246	15:34	3	0.980	A BB	9503.	50.000	UG/ML	1.25
46	138	1271	15:53	3	0.999	A BB	11432.	50.000	UG/ML	1.25
47	153	1279	15:59	3	1.006	A BB	33017.	50.000	UG/ML	1.25
48	184	1291	16:08	3	1.015	A BB	5179.	50.000	UG/ML	1.25
49	168	1311	16:23	3	1.031	A BB	46848.	50.000	UG/ML	1.25
50	109	1308	16:21	3	1.028	A BB	4775.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	19:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	26:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	29:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:51	1.00	0.857	1.00	50.00	50.00	0.375	0.375	1.00
8	14:15	1.00	0.896	1.00	50.00	50.00	1.463	1.463	1.00
9	23:49	1.00	0.899	1.00	50.00	50.00	1.089	1.089	1.00
10	7:55	1.00	0.928	1.00	100.00	100.00	1.779	1.779	1.00
11	6:04	1.00	0.710	1.00	100.00	100.00	1.443	1.443	1.00
12	17:55	1.00	1.127	1.00	100.00	100.00	0.128	0.128	1.00
13	7:57	1.00	0.931	1.00	50.00	50.00	2.005	2.005	1.00
14	8:06	1.00	0.949	1.00	50.00	50.00	1.541	1.541	1.00
15	8:09	1.00	0.955	1.00	50.00	50.00	1.470	1.470	1.00
16	8:27	1.00	0.990	1.00	50.00	50.00	1.600	1.600	1.00
17	8:34	1.00	1.004	1.00	50.00	50.00	1.665	1.665	1.00
18	8:55	1.00	1.045	1.00	50.00	50.00	0.808	0.808	1.00
19	8:58	1.00	1.051	1.00	50.00	50.00	1.484	1.484	1.00
20	9:13	1.00	1.081	1.00	50.00	50.00	1.104	1.104	1.00
21	9:17	1.00	1.088	1.00	50.00	50.00	2.444	2.444	1.00
22	9:34	1.00	1.120	1.00	50.00	50.00	1.254	1.254	1.00
23	9:37	1.00	1.127	1.00	50.00	50.00	1.071	1.071	1.00
24	9:40	1.00	1.132	1.00	50.00	50.00	0.621	0.621	1.00
25	9:54	1.00	0.862	1.00	50.00	50.00	0.402	0.402	1.00
26	10:27	1.00	0.910	1.00	50.00	50.00	0.711	0.711	1.00
27	10:38	1.00	0.926	1.00	50.00	50.00	0.221	0.221	1.00
28	10:47	1.00	0.939	1.00	50.00	50.00	0.307	0.307	1.00
29	11:02	1.00	0.961	1.00	50.00	50.00	0.442	0.442	1.00
30	11:12	1.00	0.975	1.00	50.00	50.00	0.302	0.302	1.00
31	11:12	1.00	0.975	1.00	50.00	50.00	0.162	0.162	1.00
32	11:24	1.00	0.992	1.00	50.00	50.00	0.310	0.310	1.00
33	11:31	1.00	1.003	1.00	50.00	50.00	1.086	1.086	1.00
34	11:45	1.00	1.023	1.00	50.00	50.00	0.434	0.434	1.00
35	12:00	1.00	1.045	1.00	50.00	50.00	0.162	0.162	1.00
36	12:58	1.00	1.129	1.00	50.00	50.00	0.259	0.259	1.00
37	13:14	1.00	1.152	1.00	50.00	50.00	0.633	0.633	1.00
38	13:49	1.00	0.869	1.00	50.00	50.00	0.310	0.310	1.00
39	14:01	1.00	0.882	1.00	50.00	50.00	0.413	0.413	1.00
40	14:07	1.00	0.888	1.00	50.00	50.00	0.427	0.427	1.00
41	14:27	1.00	0.909	1.00	50.00	50.00	1.296	1.296	1.00
42	14:49	1.00	0.932	1.00	50.00	50.00	0.454	0.454	1.00
43	15:25	1.00	0.970	1.00	50.00	50.00	1.464	1.464	1.00
44	15:30	1.00	0.975	1.00	50.00	50.00	2.030	2.030	1.00
45	15:34	1.00	0.980	1.00	50.00	50.00	0.354	0.354	1.00
46	15:53	1.00	0.999	1.00	50.00	50.00	0.425	0.425	1.00
47	15:59	1.00	1.006	1.00	50.00	50.00	1.228	1.228	1.00
48	16:08	1.00	1.015	1.00	50.00	50.00	0.193	0.193	1.00
49	16:23	1.00	1.031	1.00	50.00	50.00	1.743	1.743	1.00
50	16:21	1.00	1.028	1.00	50.00	50.00	0.178	0.178	1.00

Quantitation Report File: STDU534

Data: STDU534.TI
06/01/88 15:47:00
Sample: 50 PPM HSL STD 4-29-88
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
51	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2
52	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
53	C590	FLUORENE	166	S3#135	86-73-7
54	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
55	C595	4-NITROANALINE	138	S3#150	100-01-6
56	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
57	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
58	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
61	C640	PHENANTHRENE	178	S4# 65	85-01-8
62	C645	ANTHRACENE	178	S4# 70	120-12-7
63	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
64	C655	FLUORANTHENE	202	S4#110CC	206-44-0
65	C715	PYRENE	202	S5# 15	129-00-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1323	16:32	3	1.040	A BB	11487.	50.000 UG/ML	1.25
52	149	1379	17:14	3	1.084	A BB	41924.	50.000 UG/ML	1.25
53	166	1381	17:16	3	1.086	A BB	37166.	50.000 UG/ML	1.25
54	204	1385	17:19	3	1.089	A BB	16541.	50.000 UG/ML	1.25
55	138	1397	17:28	3	1.098	A BB	9339.	50.000 UG/ML	1.25
56	198	1406	17:34	4	0.895	A BB	6998.	50.000 UG/ML	1.25
57	169	1411	17:38	4	0.898	A BB	24993.	50.000 UG/ML	1.25
58	248	1483	18:32	4	0.944	A BB	8109.	50.000 UG/ML	1.25
59	284	1510	18:52	4	0.961	A BB	8328.	50.000 UG/ML	1.25
60	266	1547	19:20	4	0.985	A BB	5658.	50.000 UG/ML	1.25
61	178	1576	19:42	4	1.003	A BV	45387.	50.000 UG/ML	1.25
62	178	1584	19:48	4	1.008	A VB	46331.	50.000 UG/ML	1.25
63	149	1712	21:24	4	1.090	A BB	61207.	50.000 UG/ML	1.25
64	202	1820	22:45	4	1.158	A BB	39933.	50.000 UG/ML	1.25
65	202	1866	23:19	5	0.881	A BB	38580.	50.000 UG/ML	1.25
66	149	2017	25:13	5	0.952	A BB	22102.	50.000 UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2114	26:25	5	0.998	A BV	29327.	50.000	UG/ML	1.25
68	252	2115	26:26	5	0.999	A BB	18464.	100.000	UG/ML	2.51
69	228	2123	26:32	5	1.002	A VB	23399.	50.000	UG/ML	1.25
70	149	2142	26:46	5	1.011	A BB	32529.	50.000	UG/ML	1.25
71	149	2261	28:16	6	0.945	A BB	47622.	50.000	UG/ML	1.25
72	252	2325	29:04	6	0.972	A BV	22374.	50.000	UG/ML	1.25
73	252	2329	29:07	6	0.974	A VB	20669.	50.000	UG/ML	1.25
74	252	2382	29:46	6	0.996	A BV	21171.	50.000	UG/ML	1.25
75	276	2593	32:25	6	1.084	A BB	29129.	50.000	UG/ML	1.25
76	278	2596	32:27	6	1.085	A BB	22747.	50.000	UG/ML	1.25
77	276	2650	33:07	6	1.108	A BB	25874.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	16:32	1.00	1.040	1.00	50.00	50.00	0.427	0.427	1.00
52	17:14	1.00	1.084	1.00	50.00	50.00	1.560	1.560	1.00
53	17:16	1.00	1.086	1.00	50.00	50.00	1.383	1.383	1.00
54	17:19	1.00	1.089	1.00	50.00	50.00	0.615	0.615	1.00
55	17:28	1.00	1.098	1.00	50.00	50.00	0.347	0.347	1.00
56	17:34	1.00	0.895	1.00	50.00	50.00	0.174	0.174	1.00
57	17:38	1.00	0.898	1.00	50.00	50.00	0.621	0.621	1.00
58	18:32	1.00	0.944	1.00	50.00	50.00	0.201	0.201	1.00
59	18:52	1.00	0.961	1.00	50.00	50.00	0.207	0.207	1.00
60	19:20	1.00	0.985	1.00	50.00	50.00	0.141	0.141	1.00
61	19:42	1.00	1.003	1.00	50.00	50.00	1.128	1.128	1.00
62	19:48	1.00	1.008	1.00	50.00	50.00	1.151	1.151	1.00
63	21:24	1.00	1.090	1.00	50.00	50.00	1.521	1.521	1.00
64	22:45	1.00	1.158	1.00	50.00	50.00	0.992	0.992	1.00
65	23:19	1.00	0.881	1.00	50.00	50.00	1.649	1.649	1.00
66	25:13	1.00	0.952	1.00	50.00	50.00	0.945	0.945	1.00
67	26:25	1.00	0.998	1.00	50.00	50.00	1.253	1.253	1.00
68	26:26	1.00	0.999	1.00	100.00	100.00	0.395	0.395	1.00
69	26:32	1.00	1.002	1.00	50.00	50.00	1.000	1.000	1.00
70	26:46	1.00	1.011	1.00	50.00	50.00	1.390	1.390	1.00
71	28:16	1.00	0.945	1.00	50.00	50.00	2.735	2.735	1.00
72	29:04	1.00	0.972	1.00	50.00	50.00	1.285	1.285	1.00
73	29:07	1.00	0.974	1.00	50.00	50.00	1.187	1.187	1.00
74	29:46	1.00	0.996	1.00	50.00	50.00	1.216	1.216	1.00
75	32:25	1.00	1.084	1.00	50.00	50.00	1.673	1.673	1.00
76	32:27	1.00	1.085	1.00	50.00	50.00	1.306	1.306	1.00
77	33:07	1.00	1.108	1.00	50.00	50.00	1.486	1.486	1.00

RMAL QUANTITATION SUMMARY FILE: STDU534
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	683	1	13685.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	919	2	48896.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1272	3	21503.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1571	4	32201.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2118	5	18718.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2392	6	13931.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	788	2	22943.	0.375	50.000
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1140	3	39314.	1.463	50.000
9	S5# 2	CS30 TERPHENYL-D14	244	1905	5	25471.	1.089	50.000
10	S1# 3	CS45 PHENOL-D5	99	634	1	60880.	1.779	100.000
11	S1# 2	CS50 2-FLUOROPHENOL	112	485	1	49366.	1.443	100.000
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1434	3	6892.	0.128	100.000
13	S1#105	C315 PHENOL	94	636	1	34294.	2.005	50.000
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	648	1	26353.	1.541	50.000
15	S1#115	C330 2-CHLOROPHENOL	128	652	1	25144.	1.470	50.000
16	S1#125	C335 1,3-DICHLOROBENZENE	146	676	1	27376.	1.600	50.000
17	S1#130	C340 1,4-DICHLOROBENZENE	146	686	1	28490.	1.665	50.000
18	S1#145	C345 BENZYL ALCOHOL	108	714	1	13823.	0.808	50.000
19	S1#150	C350 1,2-DICHLOROBENZENE	146	718	1	25390.	1.484	50.000
20	S1#160	C355 2-METHYLPHENOL	108	738	1	18890.	1.104	50.000
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	743	1	41803.	2.444	50.000
22	S1#185	C365 4-METHYLPHENOL	108	765	1	21457.	1.254	50.000
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	770	1	18320.	1.071	50.000
24	S1#200	C375 HEXACHLOROETHANE	117	773	1	10631.	0.621	50.000
25	S2# 10	C410 NITROBENZENE	77	792	2	24591.	0.402	50.000
26	S2# 20	C415 ISOPHORONE	82	836	2	43438.	0.711	50.000
27	S2# 25	C420 2-NITROPHENOL	139	851	2	13507.	0.221	50.000
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	863	2	18789.	0.307	50.000
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	883	2	27006.	0.442	50.000
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	896	2	18482.	0.302	50.000
31	S2# 45	C430 BENZOIC ACID	122	896	2	9874.	0.162	50.000
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	912	2	18942.	0.310	50.000
33	S2# 60	C450 NAPHTHALENE	128	922	2	66397.	1.086	50.000
34	S2# 80	C455 4-CHLOROANALINE	127	940	2	26540.	0.434	50.000
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	960	2	9885.	0.162	50.000
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1038	2	15858.	0.259	50.000
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1059	2	38681.	0.633	50.000
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1105	3	8342.	0.310	50.000
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1122	3	11100.	0.413	50.000
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1129	3	11489.	0.427	50.000
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1156	3	34837.	1.296	50.000
42	S3# 45	C530 2-NITROANALINE	65	1186	3	12211.	0.454	50.000
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1234	3	39345.	1.464	50.000
44	S3# 65	C540 ACENAPHTHYLENE	152	1240	3	54553.	2.030	50.000
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1246	3	9503.	0.354	50.000
46	S3# 75	C545 3-NITROANILINE	138	1271	3	11432.	0.425	50.000
47	S3# 80	C550 ACENAPHTHENE	153	1279	3	33017.	1.228	50.000
48	S3# 85	C555 2,4-DINITROPHENOL	184	1291	3	5179.	0.193	50.000
49	S3# 90	C565 DIBENZOFURAN	168	1311	3	46848.	1.743	50.000
50	S3# 95	C560 4-NITROPHENOL	109	1308	3	4775.	0.178	50.000
51	S3#105	C570 2,4-DINITROTOLUENE	165	1323	3	11487.	0.427	50.000
52	S3#130	C580 DIETHYLPHTHALATE	149	1379	3	41924.	1.560	50.000
53	S3#135	C590 FLUORENE	166	1381	3	37166.	1.383	50.000
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1385	3	16541.	0.615	50.000
55	S3#150	C595 4-NITROANALINE	138	1397	3	9339.	0.347	50.000
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1406	4	6998.	0.174	50.000
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1411	4	24993.	0.621	50.000
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1483	4	8109.	0.201	50.000
59	S4# 40	C630 HEXACHLOROBENZENE	284	1510	4	8328.	0.207	50.000
60	S4# 50	C635 PENTACHLOROPHENOL	266	1547	4	5658.	0.141	50.000
61	S4# 65	C640 PHENANTHRENE	178	1576	4	45387.	1.128	50.000
62	S4# 70	C645 ANTHRACENE	178	1584	4	46331.	1.151	50.000
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1712	4	61207.	1.521	50.000
64	S4#110	C655 FLUORANTHENE	202	1820	4	39933.	0.992	50.000
65	S5# 15	C715 PYRENE	202	1866	5	38580.	1.649	50.000
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2017	5	22102.	0.945	50.000
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2114	5	29327.	1.253	50.000
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2115	5	18464.	0.395	100.000
69	S5# 60	C740 CHRYSENE	228	2123	5	23399.	1.000	50.000
70	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2142	5	32529.	1.390	50.000
71	S6# 10	C760 DI-N-OCTYL PHTHALAT	149	2261	6	47622.	2.735	50.000
72	S6# 15	C765 BENZO(B)FLUORANTHEN	252	2325	6	22374.	1.285	50.000

74	S6#	35	C775	BENZO(A)PYRENE	252	2382	6	21171.	1.216	50.000
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2593	6	29129.	1.673	50.000
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2596	6	22747.	1.306	50.000
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2650	6	25874.	1.486	50.000

6/3/88 15:32:15 SCAN 1 OF 2800
Acquisition started

Acquire
06/03/88 15:32:00 + 0:04
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula:
Submitted by: RMAL

Run 0:STDU557
Free sectors: 24831
Instrument: 4500
Analyst: KS

ACQUIRING
Scan: 5 of 2800
Weight: 0.000
Acct. No:

********** GC PARAMETERS **********

Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int.oven : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********

Low mass: 35
High mass: 500

Up: 0.70 L*
Down: 0.00 L

Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 10
Frag S/P: 10 Actual: 10

Samp Int (ms): 0.150
Samp Int (ms): 0.150

Peak Width: 1000.
Inten/ion: 2

Min Peak Width: 3
ADC Threshold: 1

Min Frag Width %: 80
Baseline: 0

Min Area: 30

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/3/88 16:07:15
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

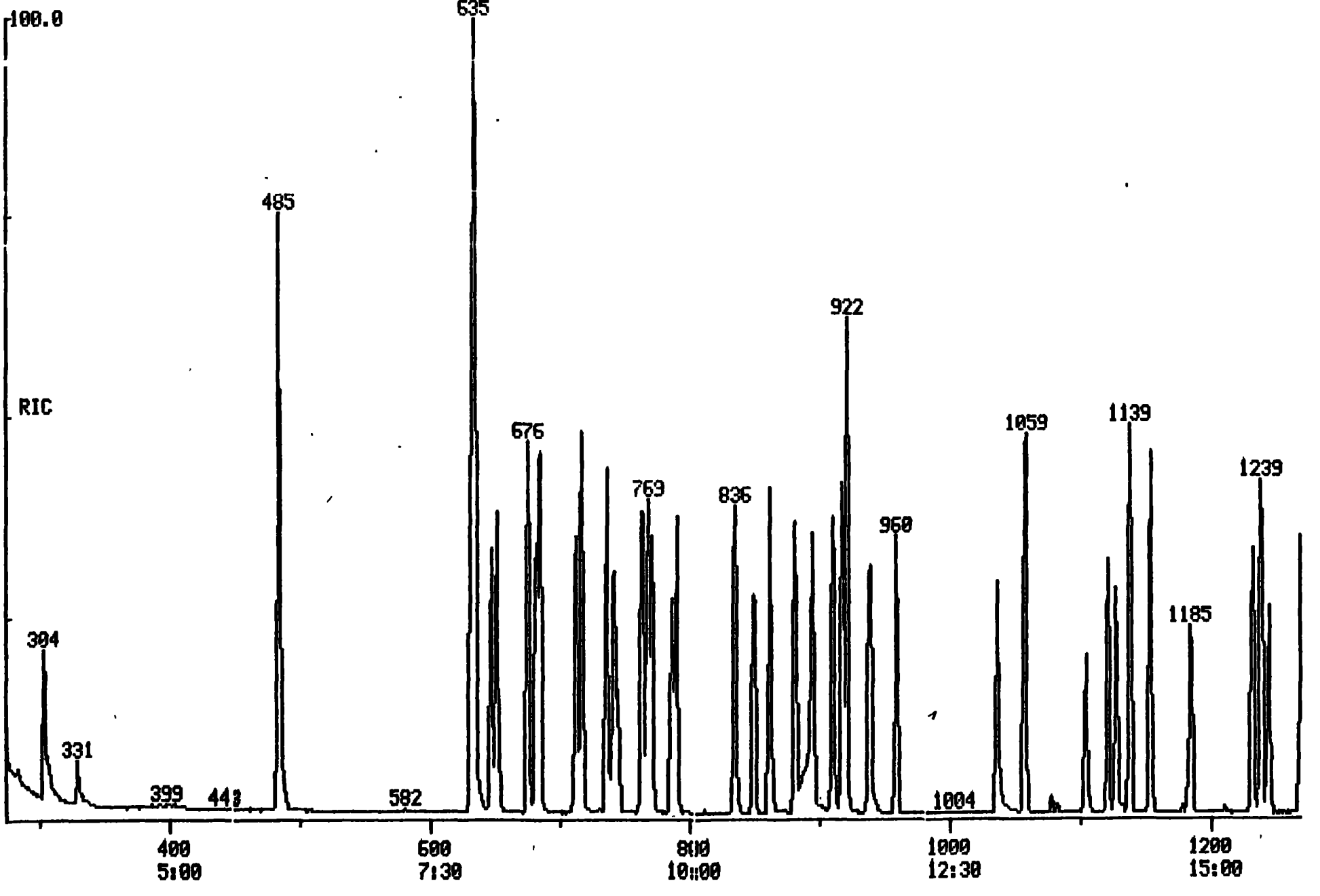
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	179.9	2100.0	8.6	38480. 14.	18.

02389

RIC
06/03/88 15:32:00
SAMPLE: CLP,STDU,,SSTD050,,,,BHA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU557 #4
CALI: 0503880U #5

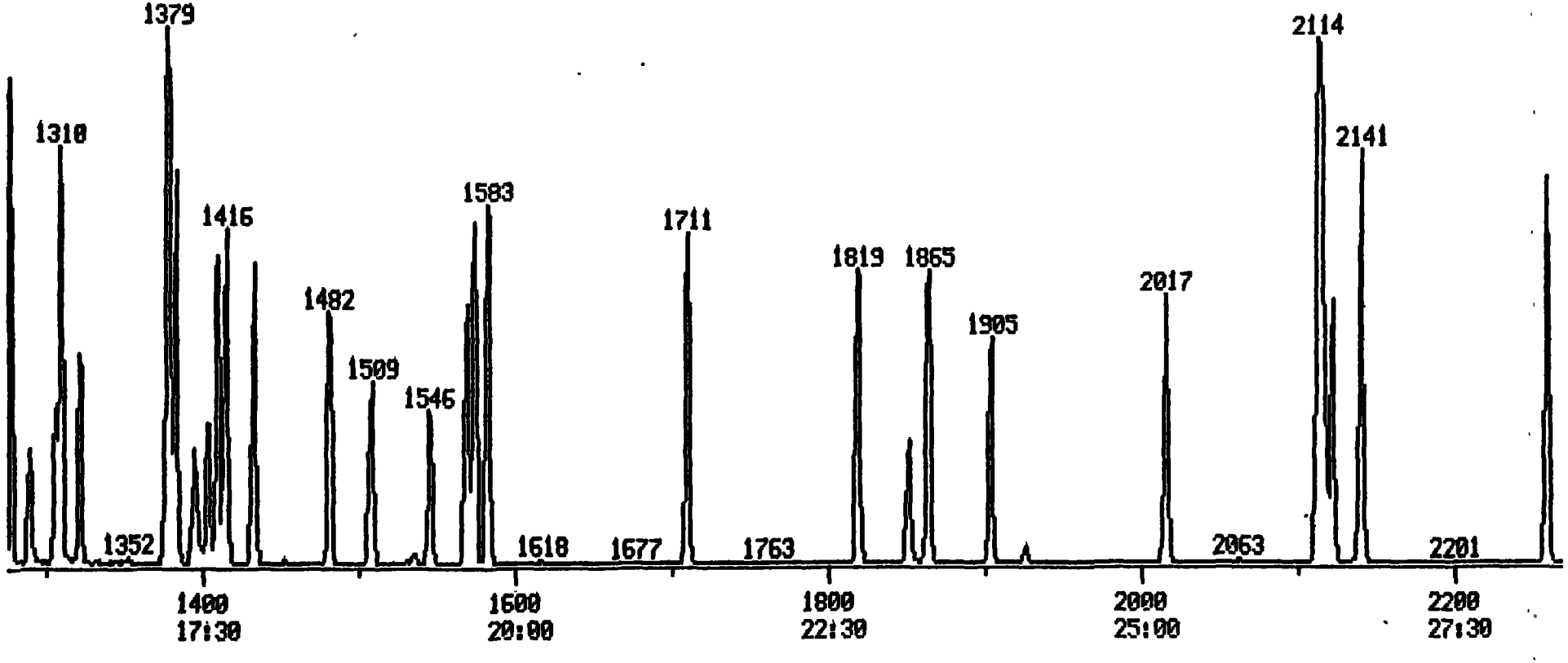
SCANS 270 TO 1270
OUT OF 270 TO 2000



02390

RIC DATA: STDU557 #4 SCANS 1270 TO 2270
05/03/89 15:32:00 CALI: 050388CU #5 OUT OF 270 TO 2000
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0



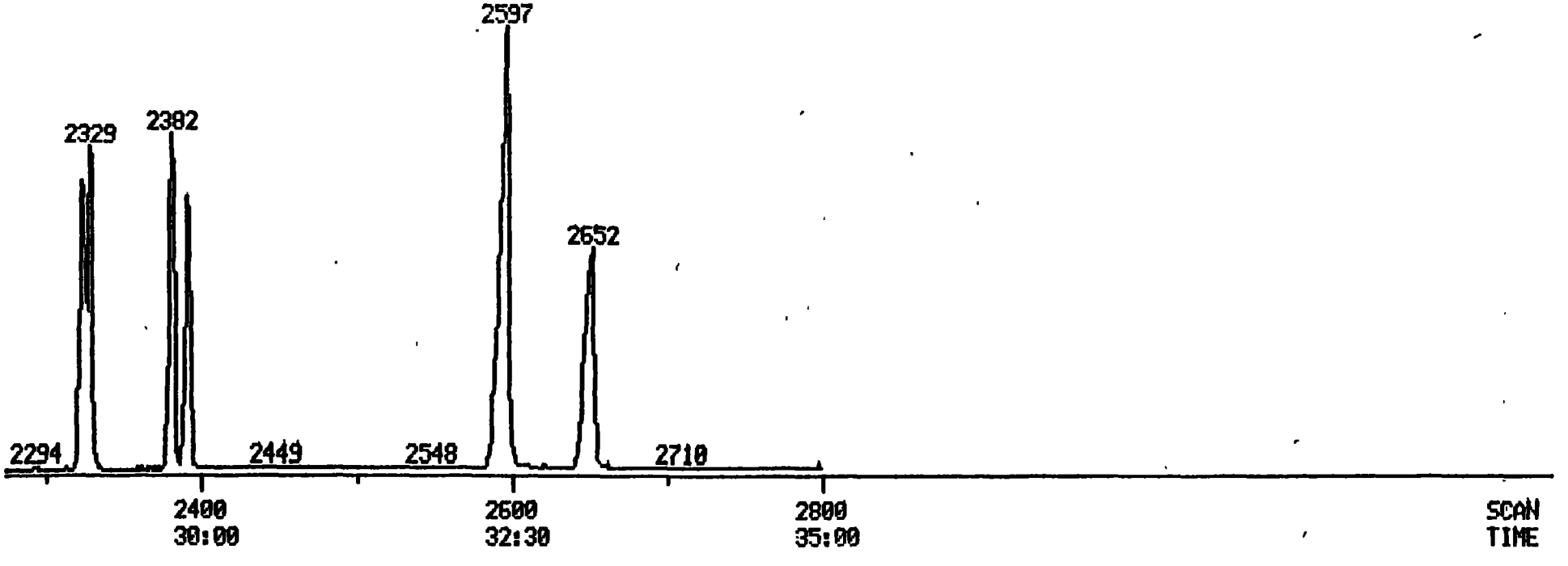
02391

RIC
05/03/88 15:32:00
SAMPLE: CLP,STDU,,SSTD050,,,,BNA,CAL
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU557 #4 SCANS 2270 TO 2800
CALI: A8038BCU #5 OUT OF 270 TO 2800

100.0

128768.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/03/88 16:07:40
DATA FILE: STDU557
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	7	7	1	39	ISO1/TCO1
3	3	1	49	18	18	2	63	ISO2/TCO2
3	3	1	49	12	12	2	68	ISO3/TCO3
3	3	1	44	18	18	2	53	ISO4/TCO4
3	3	1	44	10	10	1	60	ISO5/TCO5
3	3	1	52	8	8	2	87	ISO6/TCO6
3	3	1	0	14	14	32	53	ISO7/TCO7
1	1	1	0	4	4	1	153	ISO8/TCO8

77 COMPOUNDS PROCESSED, 77 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/I	TOP	DELTA	PEAKS
1	S1	1	-681	683	683	.	1	977	.	152	682	-1	1
2	S1	2	-484	485	485	.	1	996	.	112	485	.	1
3	S1	3	-633	634	634	.	1	944	.	99	634	.	1
4	S1	105	-635	636	636	.	1	915	.	94	636	.	1
5	S1	110	-647	648	648	.	1	980	.	93	648	.	1
6	S1	115	-651	652	652	.	1	994	.	128	652	.	1
7	S1	125	-675	676	676	.	1	983	.	146	676	.	1
8	S2	1	-917	918	918	.	1	996	.	136	918	.	1
9	S3	1	-1270	1271	1271	.	1	989	.	164	1271	.	1
10	S1	130	-685	686	686	.	1	985	.	146	685	-1	1
11	S1	145	-713	714	714	.	1	995	.	108	714	.	1
12	S1	150	-717	718	718	.	1	988	.	146	718	.	1
13	S1	160	-737	738	737	-1	1	988	.	108	737	.	1
14	S1	165	-742	743	743	.	1	959	.	45	743	.	1
15	S1	185	-764	765	764	-1	2	994	.	108	764	.	1
16	S1	190	-769	770	769	-1	1	997	.	70	769	.	1
17	S1	200	-772	773	772	-1	1	996	.	117	772	.	1
18	S2	2	-787	788	788	.	1	996	.	82	788	.	1
19	S2	10	-791	792	791	-1	1	998	.	77	791	.	1
20	S2	20	-836	837	836	-1	1	984	.	82	836	.	1
21	S2	25	-850	851	850	-1	1	987	.	139	850	.	1
22	S2	30	-863	864	863	-1	1	996	.	107	863	.	1
23	S2	35	-882	883	882	-1	1	1000	.	93	882	.	1
24	S2	45	-893	894	894	.	1	988	.	122	893	-1	1
25	S2	40	-895	896	895	-1	1	988	.	162	895	.	1
26	S2	55	-911	912	911	-1	1	991	.	180	911	.	1
27	S2	60	-922	923	922	-1	1	996	.	128	922	.	1
28	S2	80	-939	940	939	-1	1	976	.	127	939	.	1
29	S2	95	-960	961	960	-1	1	992	.	225	960	.	1
30	S2	130	-1037	1038	1038	.	1	992	.	107	1038	.	1
31	S2	145	-1058	1059	1059	.	1	992	.	142	1058	-1	1
32	S3	20	-1104	1105	1105	.	1	992	.	237	1105	.	1
33	S3	25	-1121	1122	1122	.	2	989	.	196	1122	.	1
34	S4	1	-1568	1570	1570	.	1	990	.	188	1570	.	1
35	S3	30	-1127	1128	1128	.	2	992	.	196	1128	.	1
36	S3	3	-1138	1139	1139	.	1	998	.	172	1139	.	1
37	S3	40	-1154	1155	1155	.	1	997	.	162	1155	.	1
38	S3	45	-1185	1186	1185	-1	1	992	.	65	1185	.	1
39	S3	55	-1232	1233	1233	.	1	970	.	163	1233	.	1
40	S3	65	-1238	1239	1239	.	1	990	.	152	1239	.	1
41	S3	70	-1244	1245	1245	.	1	996	.	165	1245	.	1
42	S3	75	-1269	1270	1270	.	1	995	.	138	1270	.	1
43	S3	80	-1277	1278	1278	.	1	992	.	153	1278	.	1
44	S3	85	-1289	1290	1290	.	1	980	.	184	1290	.	1
45	S3	95	-1306	1307	1307	.	1	990	.	109	1307	.	1
46	S3	90	-1310	1311	1310	-1	1	960	.	168	1310	.	1
47	S3	105	-1322	1323	1322	-1	1	995	.	165	1322	.	1
48	S3	130	-1378	1379	1378	-1	1	956	.	149	1378	.	1
49	S3	135	-1379	1380	1380	.	1	989	.	166	1380	.	1
50	S3	140	-1383	1384	1384	.	1	988	.	204	1384	.	1
51	S3	150	-1395	1396	1396	.	1	979	.	138	1396	.	1
52	S4	10	-1404	1405	1404	-1	1	965	.	198	1404	.	1
53	S4	15	-1410	1411	1411	.	1	978	.	169	1411	.	1
54	S3	2	-1433	1434	1434	.	1	959	.	330	1434	.	1
55	S4	30	-1482	1483	1482	-1	1	979	.	248	1482	.	1
56	S4	40	-1508	1509	1509	.	1	988	.	284	1509	.	1
57	S5	1	-2115	2117	2117	.	1	956	.	240	2117	.	1
58	S4	50	-1546	1547	1546	-1	1	992	.	266	1546	.	1
59	S4	65	-1574	1575	1575	.	2	954	.	178	1575	.	1
60	S4	70	-1583	1584	1583	-1	1	978	.	178	1583	.	1
61	S4	85	-1710	1711	1711	.	1	988	.	149	1711	.	1

63	S6	1	-2390	2392	2392	.	1	984	.	264	2392	.	1
64	S5	15	-1864	1866	1865	-1	1	996	.	202	1865	.	1
65	S5	2	-1904	1906	1905	-1	1	989	.	244	1905	.	1
66	S5	40	-2015	2016	2016	.	1	997	.	149	2016	.	1
67	S5	50	-2112	2113	2114	1	2	998	.	228	2113	-1	1
68	S5	55	-2113	2114	2115	1	1	987	.	252	2115	.	1
69	S5	60	-2121	2122	2123	1	2	996	.	228	2123	.	1
70	S5	65	-2140	2141	2141	.	1	994	.	149	2141	.	1
71	S6	10	-2259	2260	2260	.	1	998	.	149	2260	.	1
72	S6	15	-2323	2324	2324	.	2	987	.	252	2324	.	1
73	S6	25	-2328	2329	2329	.	2	995	.	252	2329	.	1
74	S6	35	-2381	2382	2382	.	2	991	.	252	2382	.	1
75	S6	55	-2593	2595	2596	1	1	965	.	276	2595	-1	1
76	S6	60	-2597	2599	2597	-2	1	973	.	278	2597	.	1
77	S6	65	-2650	2652	2652	.	1	991	.	276	2652	.	1

02393

Quantitation Report File: STDU557

02394

Data: STDU557.TI
06/03/88 15:32:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: * Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CS50	2-FLUOROPHENOL	112	SS1# 02	367-12-4
3	CS45	PHENOL-D5	99	SS1# 03	4165-62-2
4	C315	PHENOL	94	S1#105CC	108-95-2
5	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
6	C330	2-CHLOROPHENOL	128	S2#115	95-57-8
7	C335	1,3-DICHLOROBENZENE	146	S1#125	541-73-1
8	CI40	NAPHTHALENE-D8	136	IS2# 01	1146-65-2
9	CI50	ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
10	C340	1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
11	C345	BENZYL ALCOHOL	108	S1#145	100-51-6
12	C350	1,2-DICHLOROBENZENE	146	S1#150	95-50-1
13	C355	2-METHYLPHENOL	108	S1#160	95-48-7
14	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
15	C365	4-METHYLPHENOL	108	S1#185	106-44-5
16	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
17	C375	HEXACHLOROETHANE	117	S1#200	67-72-1
18	CS20	NITROBENZENE-D5	82	SS2# 02	4165-60-0
19	C410	NITROBENZENE	77	S2# 10	98-95-3
20	C415	ISOPHORONE	82	S2# 20	75-59-1
21	C420	2-NITROPHENOL	139	S2# 25CC	88-75-5
22	C425	2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
23	C435	BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
24	C430	BENZOIC ACID	122	S2# 45	65-85-0
25	C440	2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
26	C445	1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
27	C450	NAPHTHALENE	128	S2# 60	91-20-3
28	C455	4-CHLOROANALINE	127	S2# 80	106-47-8
29	C460	HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
30	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
31	C470	2-METHYLNAPHTHALENE	142	S2#145	91-57-6
32	C510	HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
33	C515	2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
34	CI60	PHENANTHRENE-D10	188	IS4# 01	1517-22-2
35	CS20	2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
36	CS25	2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
37	C525	2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
38	C530	2-NITROANALINE	65	S3# 45	88-74-4
39	C535	DIMETHYLPHTHALATE	163	S3# 55	131-11-3
40	C540	ACENAPHTHYLENE	152	S3# 65	208-96-8
41	C543	2,6-DINITROTOLUENE	165	S3# 70	606-20-2
42	C545	3-NITROANILINE	138	S3# 75	99-09-2
43	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9
44	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
45	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
46	C565	DIBENZOFURAN	168	S3# 90	132-64-9
47	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2

No	Name				
48	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
49	C590	FLUORENE	166	S3#135	86-73-7
50	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	682	8:31	1	1.000	A BB	18062.	40.000	UG/ML	1.02
2	112	485	6:04	1	0.711	A BB	60999.	95.996	UG/ML	2.44
3	99	634	7:55	1	0.930	A BB	75949.	96.614	UG/ML	2.45
4	94	636	7:57	1	0.933	A BV	42705.	46.700	UG/ML	1.19
5	93	648	8:06	1	0.950	A VB	34214.	47.831	UG/ML	1.21
6	128	652	8:09	1	0.956	A BB	31065.	46.259	UG/ML	1.17
7	146	676	8:27	1	0.991	A BV	35115.	49.535	UG/ML	1.26
8	136	918	11:28	8	1.000	A BB	58801.	40.000	UG/ML	1.02
9	164	1271	15:53	9	1.000	A BB	26315.	40.000	UG/ML	1.02
10	146	685	8:34	1	1.004	A VV	36322.	49.142	UG/ML	1.25
11	108	714	8:55	1	1.047	A BV	16982.	45.942	UG/ML	1.17
12	146	718	8:58	1	1.053	A BB	33645.	48.989	UG/ML	1.24
13	108	737	9:13	1	1.081	A BV	25425.	47.835	UG/ML	1.21
14	45	743	9:17	1	1.089	A BB	61639.	51.902	UG/ML	1.32
15	108	764	9:33	1	1.120	A BB	26213.	46.675	UG/ML	1.18
16	70	769	9:37	1	1.128	A BB	23071.	48.735	UG/ML	1.24
17	117	772	9:39	1	1.132	A BB	13239.	49.016	UG/ML	1.24
18	82	788	9:51	8	0.858	A BB	30382.	52.625	UG/ML	1.34
19	77	791	9:53	8	0.862	A BB	31064.	51.895	UG/ML	1.32
20	82	836	10:27	8	0.911	A BB	56829.	51.533	UG/ML	1.31
21	139	850	10:37	8	0.926	A BB	16761.	51.873	UG/ML	1.32
22	107	863	10:47	8	0.940	A BV	22088.	49.959	UG/ML	1.27
23	93	882	11:01	8	0.961	A BB	34175.	51.117	UG/ML	1.30
24	122	893	11:10	8	0.973	A BB	13070.	55.118	UG/ML	1.40
25	162	895	11:11	8	0.975	A BB	22656.	53.269	UG/ML	1.35
26	180	911	11:23	8	0.992	A BB	24847.	54.923	UG/ML	1.39
27	128	922	11:31	8	1.004	A BB	81335.	50.624	UG/ML	1.28
28	127	939	11:44	8	1.023	A BB	32281.	51.132	UG/ML	1.30
29	225	960	12:00	8	1.046	A BB	11873.	61.705	UG/ML	1.57
30	107	1038	12:58	8	1.131	A BB	19509.	49.331	UG/ML	1.25
31	142	1058	13:13	8	1.153	A BB	47719.	51.212	UG/ML	1.30
32	237	1105	13:49	9	0.869	A BB	9521.	57.365	UG/ML	1.46
33	196	1122	14:01	9	0.883	A BV	13625.	53.542	UG/ML	1.36
34	188	1570	19:37	34	1.000	A BB	38706.	40.000	UG/ML	1.02
35	196	1128	14:06	9	0.887	A VB	14441.	51.790	UG/ML	1.31
36	172	1139	14:14	9	0.896	A BB	49059.	52.309	UG/ML	1.33
37	162	1155	14:26	9	0.909	A BB	44705.	51.113	UG/ML	1.30
38	65	1185	14:49	9	0.932	A BB	15319.	49.960	UG/ML	1.27
39	163	1233	15:25	9	0.970	A BB	45778.	48.104	UG/ML	1.22
40	152	1239	15:29	9	0.975	A BB	65766.	49.473	UG/ML	1.26
41	165	1245	15:34	9	0.980	A BB	11247.	46.782	UG/ML	1.19
42	138	1270	15:52	9	0.999	A BV	12025.	44.084	UG/ML	1.12
43	153	1278	15:58	9	1.006	A BB	39925.	49.828	UG/ML	1.26
44	184	1290	16:07	9	1.015	A BB	5800.	69.693	UG/ML	1.77
45	109	1307	16:20	9	1.028	A BB	4609.	45.516	UG/ML	1.16
46	168	1310	16:22	9	1.031	A BB	57465.	50.933	UG/ML	1.29
47	165	1322	16:31	9	1.040	A BB	13687.	48.999	UG/ML	1.24
48	149	1378	17:13	9	1.084	A BB	46572.	49.799	UG/ML	1.26
49	166	1380	17:15	9	1.086	A BB	44285.	50.374	UG/ML	1.28
50	204	1384	17:18	9	1.089	A BB	19586.	52.280	UG/ML	1.33

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:03	1.00	0.710	1.00	96.00	100.00	1.351	1.407	0.96
3	7:53	1.00	0.928	1.00	96.61	100.00	1.682	1.741	0.97
4	7:56	1.00	0.931	1.00	46.70	50.00	1.891	2.025	0.93
5	8:05	1.00	0.949	1.00	47.83	50.00	1.515	1.584	0.96
6	8:08	1.00	0.955	1.00	46.26	50.00	1.376	1.487	0.93
7	8:26	1.00	0.990	1.00	49.54	50.00	1.555	1.570	0.99
8	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	15:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	8:34	1.00	1.004	1.00	49.14	50.00	1.609	1.637	0.98
11	8:55	1.00	1.045	1.00	45.94	50.00	0.752	0.819	0.92
12	8:58	1.00	1.051	1.00	48.99	50.00	1.490	1.521	0.98
13	9:13	1.00	1.081	1.00	47.83	50.00	1.126	1.177	0.96
14	9:16	1.00	1.088	1.00	51.90	50.00	2.730	2.630	1.04
15	9:33	1.00	1.120	1.00	46.67	50.00	1.161	1.244	0.93
16	9:37	1.00	1.128	1.00	48.74	50.00	1.022	1.048	0.97
17	9:39	1.00	1.132	1.00	49.02	50.00	0.586	0.598	0.98
18	9:50	1.00	0.857	1.00	52.63	50.00	0.413	0.393	1.05
19	9:53	1.00	0.862	1.00	51.89	50.00	0.423	0.407	1.04
20	10:27	1.00	0.911	1.00	51.53	50.00	0.773	0.750	1.03
21	10:37	1.00	0.926	1.00	51.87	50.00	0.228	0.220	1.04
22	10:47	1.00	0.940	1.00	49.96	50.00	0.301	0.301	1.00
23	11:01	1.00	0.961	1.00	51.12	50.00	0.465	0.455	1.02
24	11:10	1.00	0.973	1.00	55.12	50.00	0.178	0.161	1.10
25	11:11	1.00	0.975	1.00	53.27	50.00	0.308	0.289	1.07
26	11:23	1.00	0.992	1.00	54.93	50.00	0.338	0.308	1.10
27	11:31	1.00	1.004	1.00	50.62	50.00	1.107	1.093	1.01
28	11:44	1.00	1.023	1.00	51.13	50.00	0.439	0.429	1.02
29	12:00	1.00	1.046	1.00	61.71	50.00	0.162	0.131	1.23
30	12:58	1.00	1.130	1.00	49.33	50.00	0.265	0.269	0.99
31	13:13	1.00	1.153	1.00	51.21	50.00	0.649	0.634	1.02
32	13:48	1.00	0.869	1.00	57.37	50.00	0.289	0.252	1.15
33	14:01	1.00	0.882	1.00	53.54	50.00	0.414	0.387	1.07
34	19:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:05	1.00	0.887	1.00	51.79	50.00	0.439	0.424	1.04
36	14:13	1.00	0.895	1.00	52.31	50.00	1.491	1.426	1.05
37	14:25	1.00	0.908	1.00	51.11	50.00	1.359	1.329	1.02
38	14:49	1.00	0.932	1.00	49.96	50.00	0.466	0.466	1.00
39	15:24	1.00	0.969	1.00	48.10	50.00	1.392	1.447	0.96
40	15:28	1.00	0.974	1.00	49.47	50.00	1.999	2.021	0.99
41	15:33	1.00	0.979	1.00	46.78	50.00	0.342	0.365	0.94
42	15:52	1.00	0.998	1.00	44.08	50.00	0.366	0.415	0.88
43	15:58	1.00	1.005	1.00	49.83	50.00	1.214	1.218	1.00
44	16:07	1.00	1.014	1.00	69.69	50.00	0.176	0.127	1.39
45	16:19	1.00	1.028	1.00	45.52	50.00	0.140	0.154	0.91
46	16:22	1.00	1.031	1.00	50.93	50.00	1.747	1.715	1.02
47	16:31	1.00	1.040	1.00	49.00	50.00	0.416	0.425	0.98
48	17:13	1.00	1.084	1.00	49.80	50.00	1.416	1.422	1.00
49	17:14	1.00	1.085	1.00	50.37	50.00	1.346	1.336	1.01
50	17:17	1.00	1.088	1.00	52.28	50.00	0.595	0.569	1.05

Quantitation Report File: STDU557

02397

Data: STDU557.TI
06/03/88 15:32:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
51	C595	4-NITROANALINE	138	S3#150	100-01-6
52	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
53	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
54	C595	2,4,6-TRIBROMOPHENOL	330	S3# 02	118-79-6
55	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
56	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
57	C170	CHRYSENE-D12	240	IS3# 01	1719-03-5
58	C635	PENTACHLOROPHENOL	266	S4# 30	87-86-5
59	C640	PHENANTHRENE	178	S4# 65	85-01-8
60	C645	ANTHRACENE	178	S4# 70	120-12-7
61	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
62	C655	FLUORANTHENE	202	S4#110CC	206-44-0
63	C175	PERYLENE-D12	164	IS6# 01	1520-96-3
64	C715	PYRENE	202	S3# 15	129-00-0
65	C530	TERPHENYL-D14	244	SS5# 02	1718-51-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	138	1396	17:27	9	1.098	A BB	10278.	43.786 UG/ML	1.11
52	198	1404	17:33	34	0.894	A BB	8037.	61.307 UG/ML	1.56
53	169	1411	17:38	34	0.899	A BB	29755.	47.394 UG/ML	1.20
54	330	1434	17:55	9	1.128	A BB	6974.	105.652 UG/ML	2.68
55	248	1482	18:31	34	0.944	A BB	9244.	52.991 UG/ML	1.34
56	284	1509	18:52	34	0.961	A BB	9033.	52.013 UG/ML	1.32
57	240	2117	26:28	57	1.000	A BB	28157.	40.000 UG/ML	1.02
58	266	1546	19:19	34	0.985	A BB	6609.	52.526 UG/ML	1.33
59	178	1575	19:41	34	1.003	A BV	53030.	45.716 UG/ML	1.16
60	178	1583	19:47	34	1.008	A VB	56151.	48.866 UG/ML	1.24
61	149	1711	21:23	34	1.090	A BB	66006.	41.043 UG/ML	1.04
62	202	1819	22:44	34	1.159	A BB	48241.	49.190 UG/ML	1.25
63	264	2392	29:54	63	1.000	A BB	32932.	40.000 UG/ML	1.02
64	202	1865	23:19	57	0.881	A BB	47900.	38.941 UG/ML	0.99
65	244	1905	23:49	57	0.900	A BB	30180.	41.255 UG/ML	1.05
66	149	2016	25:12	57	0.952	A BB	25631.	37.471 UG/ML	0.95

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2113	26:25	57	0.998	A BV	42503.	48.399	UG/ML	1.23
68	252	2115	26:26	57	0.999	A BB	28903.	103.144	UG/ML	2.6[illegible]
69	228	2123	26:32	57	1.003	A VB	36750.	47.874	UG/ML	1.2[illegible]
70	149	2141	26:46	57	1.011	A BB	36637.	38.534	UG/ML	0.9[illegible]
71	149	2260	28:15	63	0.945	A BB	64234.	37.495	UG/ML	0.9[illegible]
72	252	2324	29:03	63	0.972	A BV	48613.	48.156	UG/ML	1.2[illegible]
73	252	2329	29:07	63	0.974	A VB	49508.	53.721	UG/ML	1.36
74	252	2382	29:46	63	0.996	A BV	51462.	49.681	UG/ML	1.26
75	276	2595	32:26	63	1.085	A BB	64080.	42.641	UG/ML	1.08
76	278	2597	32:28	63	1.086	A BB	53372.	43.571	UG/ML	1.11
77	276	2652	33:09	63	1.109	A BB	53080.	39.152	UG/ML	0.99

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:26	1.00	1.098	1.00	43.79	50.00	0.312	0.357	0.88
52	17:33	1.00	0.895	1.00	61.31	50.00	0.166	0.135	1.23
53	17:37	1.00	0.899	1.00	47.39	50.00	0.615	0.649	0.95
54	17:55	1.00	1.127	1.00	105.65	100.00	0.106	0.100	1.06
55	18:31	1.00	0.945	1.00	52.99	50.00	0.191	0.180	1.06
56	18:51	1.00	0.961	1.00	52.01	50.00	0.187	0.179	1.04
57	26:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:19	1.00	0.985	1.00	52.53	50.00	0.137	0.130	1.05
59	19:40	1.00	1.003	1.00	45.72	50.00	1.096	1.199	0.91
60	19:47	1.00	1.009	1.00	48.87	50.00	1.161	1.187	0.98
61	21:22	1.00	1.090	1.00	41.04	50.00	1.364	1.662	0.82
62	22:44	1.00	1.159	1.00	49.19	50.00	0.997	1.013	0.98
63	29:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:18	1.00	0.881	1.00	38.94	50.00	1.361	1.747	0.78
65	23:48	1.00	0.900	1.00	41.25	50.00	0.857	1.039	0.83
66	25:11	1.00	0.952	1.00	37.47	50.00	0.728	0.972	0.75
67	26:24	1.00	0.998	1.00	48.40	50.00	1.208	1.248	0.97
68	26:25	1.00	0.999	1.00	103.14	100.00	0.411	0.398	1.03
69	26:31	1.00	1.002	1.00	47.87	50.00	1.044	1.091	0.96
70	26:45	1.00	1.011	1.00	38.53	50.00	1.041	1.351	0.77
71	28:14	1.00	0.945	1.00	37.50	50.00	1.560	2.081	0.75
72	29:02	1.00	0.972	1.00	48.16	50.00	1.181	1.226	0.96
73	29:06	1.00	0.974	1.00	53.72	50.00	1.203	1.119	1.07
74	29:46	1.00	0.996	1.00	49.68	50.00	1.250	1.258	0.99
75	32:25	1.00	1.084	1.00	42.64	50.00	1.557	1.825	0.85
76	32:28	1.00	1.086	1.00	43.57	50.00	1.297	1.488	0.87
77	33:07	1.00	1.108	1.00	39.15	50.00	1.289	1.647	0.78

RMAL QUANTITATION SUMMARY FILE: STDU337
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	18062.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	918	2	58801.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	26315.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1570	4	38706.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2117	5	28157.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2392	6	32932.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	788	2	30382.	0.413	52.626
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1139	3	49059.	1.491	52.309
9	S5# 2	CS30 TERPHENYL-D14	244	1905	5	30180.	0.857	41.255
10	S1# 3	CS45 PHENOL-D5	99	634	1	75949.	1.682	96.614
11	S1# 2	CS50 2-FLUOROPHENOL	112	485	1	60999.	1.351	95.996
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1434	3	6974.	0.106	105.652
13	S1#105	C315 PHENOL	94	636	1	42705.	1.891	46.700
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	648	1	54214.	1.515	47.631
15	S1#115	C330 2-CHLOROPHENOL	128	652	1	51065.	1.376	46.256
16	S1#125	C335 1,3-DICHLOROBENZENE	146	676	1	55115.	1.555	49.535
17	S1#130	C340 1,4-DICHLOROBENZENE	146	685	1	56322.	1.609	49.142
18	S1#145	C345 BENZYL ALCOHOL	108	714	1	16982.	0.752	45.942
19	S1#150	C350 1,2-DICHLOROBENZENE	146	718	1	53645.	1.490	48.989
20	S1#160	C355 2-METHYLPHENOL	108	737	1	25425.	1.126	47.635
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	743	1	61639.	2.730	51.902
22	S1#185	C365 4-METHYLPHENOL	108	764	1	26213.	1.161	46.675
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	769	1	23071.	1.022	48.735
24	S1#200	C375 HEXACHLOROETHANE	117	772	1	13239.	0.586	49.016
25	S2# 10	C410 NITROBENZENE	77	791	2	31064.	0.423	51.895
26	S2# 20	C415 ISOPHORONE	82	836	2	56829.	0.773	51.533
27	S2# 25	C420 2-NITROPHENOL	139	850	2	16761.	0.228	51.873
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	863	2	22088.	0.301	49.959
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	882	2	34175.	0.465	51.117
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	895	2	22658.	0.308	53.269
31	S2# 45	C430 BENZOIC ACID	122	893	2	13070.	0.178	55.116
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	911	2	24847.	0.338	54.925
33	S2# 60	C450 NAPHTHALENE	128	922	2	81335.	1.107	50.624
34	S2# 80	C455 4-CHLOROANALINE	127	939	2	32281.	0.439	51.132
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	960	2	11873.	0.162	61.705
36	S2#130	C465 4-CHLORO-3-METHYLPH	107	1038	2	19509.	0.265	49.331
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1058	2	47719.	0.649	51.212
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1105	3	9521.	0.289	57.365
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1122	3	13625.	0.414	53.542
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1128	3	14441.	0.439	51.790
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1155	3	44705.	1.359	51.113
42	S3# 45	C530 2-NITROANALINE	65	1185	3	15319.	0.466	49.960
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1233	3	45778.	1.392	48.104
44	S3# 65	C540 ACENAPHTHYLENE	152	1239	3	65766.	1.999	49.473
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1245	3	11247.	0.342	46.782
46	S3# 75	C545 3-NITROANILINE	138	1270	3	12025.	0.366	44.084
47	S3# 80	C550 ACENAPHTHENE	153	1278	3	39925.	1.214	49.628
48	S3# 85	C555 2,4-DINITROPHENOL	184	1290	3	5800.	0.176	69.693
49	S3# 90	C565 DIBENZOFURAN	168	1310	3	57465.	1.747	50.933
50	S3# 95	C560 4-NITROPHENOL	109	1307	3	4609.	0.140	45.516
51	S3#105	C570 2,4-DINITROTOLUENE	165	1322	3	13687.	0.416	48.999
52	S3#130	C580 DIETHYLPHTHALATE	149	1378	3	46572.	1.416	49.799
53	S3#135	C590 FLUORENE	166	1380	3	44285.	1.346	50.374
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1384	3	19586.	0.595	52.280
55	S3#150	C595 4-NITROANALINE	138	1396	3	10278.	0.312	43.786
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1404	4	8037.	0.166	61.307
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1411	4	29755.	0.615	47.394
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1482	4	9244.	0.191	52.991
59	S4# 40	C630 HEXACHLOROBENZENE	284	1509	4	9033.	0.187	52.013
60	S4# 50	C635 PENTACHLOROPHENOL	266	1546	4	6609.	0.137	52.526
61	S4# 65	C640 PHENANTHRENE	178	1575	4	53030.	1.096	45.718
62	S4# 70	C645 ANTHRACENE	178	1583	4	56151.	1.161	48.866
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1711	4	66006.	1.364	41.043
64	S4#110	C655 FLUORANTHENE	202	1819	4	48241.	0.997	49.190
65	S5# 15	C715 PYRENE	202	1865	5	47900.	1.361	38.941
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2016	5	25631.	0.728	37.471
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2113	5	42503.	1.208	48.399
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2115	5	28903.	0.411	103.144
69	S5# 60	C740 CHRYSENE	228	2123	5	36750.	1.044	47.874
70	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2141	5	36637.	1.041	38.534

72	S6#	15	C765	BENZO(B)FLUORANTHEN	252	2324	6	48613.	1.181	48.156
73	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2329	6	49509.	1.203	53.721
74	S6#	35	C775	BENZO(A)PYRENE	252	2382	6	51462.	1.250	49.681
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2595	6	64080.	1.557	42.641
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2597	6	53372.	1.297	43.571
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2652	6	53080.	1.289	39.152

02400

Quantitation Report File: STDU557

Data: STDU557.TI
06/03/88 15:32:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name					
1	CI30	1,4-DICHLOROBENZENE-D4	152	IS1#	01	3855-82-1
2	CI40	NAPHTHALENE-D8	136	IS2#	01	1146-65-2
3	CI50	ACENAPHTHENE-D10	164	IS3#	01	15067-26-2
4	CI60	PHENANTHRENE-D10	188	IS4#	01	1517-22-2
5	CI70	CHRYSENE-D12	240	IS5#	01	1719-03-5
6	CI75	PERYLENE-D12	164	IS6#	01	1520-96-3
7	CS20	NITROBENZENE-D5	82	SS2#	02	4165-60-0
8	CS25	2-FLUOROBIPHENYL	172	SS3#	03	321-60-8
9	CS30	TERPHENYL-D14	244	SS5#	02	1718-51-0
10	CS45	PHENOL-D5	99	SS1#	03	4165-62-2
11	CS50	2-FLUOROPHENOL	112	SS1#	02	367-12-4
12	CS55	2,4,6-TRIBROMOPHENOL	330	SS3#	02	118-79-6
13	C315	PHENOL	94	S1#	105CC	108-95-2
14	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#	110	111-44-4
15	C330	2-CHLOROPHENOL	128	S2#	115	95-57-8
16	C335	1,3-DICHLOROBENZENE	146	S1#	125	541-73-1
17	C340	1,4-DICHLOROBENZENE	146	S1#	130CC	106-46-7
18	C345	BENZYL ALCOHOL	108	S1#	145	100-51-6
19	C350	1,2-DICHLOROBENZENE	146	S1#	150	95-50-1
20	C355	2-METHYLPHENOL	108	S1#	160	95-48-7
21	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#	165	108-60-1
22	C365	4-METHYLPHENOL	108	S1#	185	106-44-5
23	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#	190SP	621-64-7
24	C375	HEXACHLOROETHANE	117	S1#	200	67-72-1
25	C410	NITROBENZENE	77	S2#	10	98-95-3
26	C415	ISOPHORONE	82	S2#	20	75-59-1
27	C420	2-NITROPHENOL	139	S2#	25CC	88-75-5
28	C425	2,4-DIMETHYLPHENOL	107	S2#	30	105-67-9
29	C435	BIS(2-CHLOROETHOXY)METH	93	S2#	35	111-91-1
30	C440	2,4-DICHLOROPHENOL	162	S2#	40	120-83-2
31	C430	BENZOIC ACID	122	S2#	45	65-85-0
32	C445	1,2,4-TRICHLOROBENZENE	180	S2#	55	120-82-1
33	C450	NAPHTHALENE	128	S2#	60	91-20-3
34	C455	4-CHLOROANALINE	127	S2#	80	106-47-8
35	C460	HEXACHLOROBUTADIENE	225	S2#	95CC	87-68-3
36	C465	4-CHLORO-3-METHYLPHENO	107	S2#	130CC	59-50-7
37	C470	2-METHYLNAPHTHALENE	142	S2#	145	91-57-6
38	C510	HEXACHLOROCYCLOPENTADI	237	S3#	20	77-47-4
39	C515	2,4,6-TRICHLOROPHENOL	196	S3#	25CC	88-06-2
40	C520	2,4,5-TRICHLOROPHENOL	196	S3#	30	95-95-4
41	C525	2-CHLORONAPHTHALENE	162	S3#	40	91-58-7
42	C530	2-NITROANALINE	65	S3#	45	88-74-4
43	C535	DIMETHYLPHTHALATE	163	S3#	55	131-11-3
44	C540	ACENAPHTHYLENE	152	S3#	65	208-96-8
45	C543	2,6-DINITROTOLUENE	165	S3#	70	606-20-2
46	C545	3-NITROANILINE	138	S3#	75	99-09-2
47	C550	ACENAPHTHENE	153	S3#	80CC	83-32-9

02402

No	Name					
48	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5	
49	C565	DIBENZOFURAN	168	S3# 90	132-64-9	
50	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	682	8:31	1	1.000	M XX	17886.	40.000	UG/ML	1.00
2	136	918	11:28	2	1.000	A BB	58801.	40.000	UG/ML	1.00
3	164	1271	15:53	3	1.000	A BB	26315.	40.000	UG/ML	1.00
4	188	1570	19:37	4	1.000	A BB	38706.	40.000	UG/ML	1.00
5	240	2117	26:28	5	1.000	A BB	28157.	40.000	UG/ML	1.00
6	264	2392	29:54	6	1.000	M XX	29004.	40.000	UG/ML	1.00
7	82	788	9:51	2	0.858	A BB	30382.	50.000	UG/ML	1.25
8	172	1139	14:14	3	0.896	A BB	49059.	50.000	UG/ML	1.25
9	244	1905	23:49	5	0.900	A BB	30180.	50.000	UG/ML	1.25
10	99	634	7:55	1	0.930	A BB	75949.	100.000	UG/ML	2.51
11	112	485	6:04	1	0.711	A BB	60999.	100.000	UG/ML	2.51
12	330	1434	17:55	3	1.128	A BB	6974.	100.000	UG/ML	2.51
13	94	636	7:57	1	0.933	A BV	42705.	50.000	UG/ML	1.25
14	93	648	8:06	1	0.950	A VB	34214.	50.000	UG/ML	1.25
15	128	652	8:09	1	0.956	A BB	31065.	50.000	UG/ML	1.25
16	146	676	8:27	1	0.991	A BV	35115.	50.000	UG/ML	1.25
17	146	685	8:34	1	1.004	A VV	36322.	50.000	UG/ML	1.25
18	108	714	8:55	1	1.047	A BV	16982.	50.000	UG/ML	1.25
19	146	718	8:58	1	1.053	A BB	33645.	50.000	UG/ML	1.25
20	108	737	9:13	1	1.081	A BV	25425.	50.000	UG/ML	1.25
21	45	743	9:17	1	1.089	A BB	61639.	50.000	UG/ML	1.25
22	108	764	9:33	1	1.120	A BB	26213.	50.000	UG/ML	1.25
23	70	769	9:37	1	1.128	A BB	23071.	50.000	UG/ML	1.25
24	117	772	9:39	1	1.132	A BB	13239.	50.000	UG/ML	1.25
25	77	791	9:53	2	0.862	A BB	31064.	50.000	UG/ML	1.25
26	82	836	10:27	2	0.911	A BB	56829.	50.000	UG/ML	1.25
27	139	850	10:37	2	0.926	A BB	16761.	50.000	UG/ML	1.25
28	107	863	10:47	2	0.940	A BV	22088.	50.000	UG/ML	1.25
29	93	882	11:01	2	0.961	A BB	34175.	50.000	UG/ML	1.25
30	162	895	11:11	2	0.975	A BB	22658.	50.000	UG/ML	1.25
31	122	893	11:10	2	0.973	A BB	13070.	50.000	UG/ML	1.25
32	180	911	11:23	2	0.992	A BB	24847.	50.000	UG/ML	1.25
33	128	922	11:31	2	1.004	A BB	81335.	50.000	UG/ML	1.25
34	127	939	11:44	2	1.023	A BB	32281.	50.000	UG/ML	1.25
35	225	960	12:00	2	1.046	A BB	11873.	50.000	UG/ML	1.25
36	107	1038	12:58	2	1.131	A BB	19509.	50.000	UG/ML	1.25
37	142	1058	13:13	2	1.153	A BB	47719.	50.000	UG/ML	1.25
38	237	1105	13:49	3	0.869	A BB	9521.	50.000	UG/ML	1.25
39	196	1122	14:01	3	0.883	A BV	13625.	50.000	UG/ML	1.25
40	196	1128	14:06	3	0.887	A VB	14441.	50.000	UG/ML	1.25
41	162	1155	14:26	3	0.909	A BB	44705.	50.000	UG/ML	1.25
42	65	1185	14:49	3	0.932	A BB	15319.	50.000	UG/ML	1.25
43	163	1233	15:25	3	0.970	A BB	45778.	50.000	UG/ML	1.25
44	152	1239	15:29	3	0.975	A BB	65766.	50.000	UG/ML	1.25
45	165	1245	15:34	3	0.980	A BB	11247.	50.000	UG/ML	1.25
46	138	1270	15:52	3	0.999	A BV	12025.	50.000	UG/ML	1.25
47	153	1278	15:58	3	1.006	A BB	39925.	50.000	UG/ML	1.25
48	184	1290	16:07	3	1.015	A BB	3800.	50.000	UG/ML	1.25
49	168	1310	16:22	3	1.031	A BB	57465.	50.000	UG/ML	1.25
50	109	1307	16:20	3	1.028	A BB	4609.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	19:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	26:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	29:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	9:51	1.00	0.858	1.00	50.00	50.00	0.413	0.413	1.00
8	14:14	1.00	0.896	1.00	50.00	50.00	1.491	1.491	1.00
9	23:49	1.00	0.900	1.00	50.00	50.00	0.857	0.857	1.00
10	7:55	1.00	0.930	1.00	100.00	100.00	1.699	1.699	1.00
11	6:04	1.00	0.711	1.00	100.00	100.00	1.364	1.364	1.00
12	17:55	1.00	1.128	1.00	100.00	100.00	0.106	0.106	1.00
13	7:57	1.00	0.933	1.00	50.00	50.00	1.910	1.910	1.00
14	8:06	1.00	0.950	1.00	50.00	50.00	1.530	1.530	1.00
15	8:09	1.00	0.956	1.00	50.00	50.00	1.389	1.389	1.00
16	8:27	1.00	0.991	1.00	50.00	50.00	1.571	1.571	1.00
17	8:34	1.00	1.004	1.00	50.00	50.00	1.625	1.625	1.00
18	8:55	1.00	1.047	1.00	50.00	50.00	0.760	0.760	1.00
19	8:58	1.00	1.053	1.00	50.00	50.00	1.505	1.505	1.00
20	9:13	1.00	1.081	1.00	50.00	50.00	1.137	1.137	1.00
21	9:17	1.00	1.089	1.00	50.00	50.00	2.757	2.757	1.00
22	9:33	1.00	1.120	1.00	50.00	50.00	1.172	1.172	1.00
23	9:37	1.00	1.128	1.00	50.00	50.00	1.032	1.032	1.00
24	9:39	1.00	1.132	1.00	50.00	50.00	0.592	0.592	1.00
25	9:53	1.00	0.862	1.00	50.00	50.00	0.423	0.423	1.00
26	10:27	1.00	0.911	1.00	50.00	50.00	0.773	0.773	1.00
27	10:37	1.00	0.926	1.00	50.00	50.00	0.228	0.228	1.00
28	10:47	1.00	0.940	1.00	50.00	50.00	0.301	0.301	1.00
29	11:01	1.00	0.961	1.00	50.00	50.00	0.465	0.465	1.00
30	11:11	1.00	0.975	1.00	50.00	50.00	0.308	0.308	1.00
31	11:10	1.00	0.973	1.00	50.00	50.00	0.178	0.178	1.00
32	11:23	1.00	0.992	1.00	50.00	50.00	0.338	0.338	1.00
33	11:31	1.00	1.004	1.00	50.00	50.00	1.107	1.107	1.00
34	11:44	1.00	1.023	1.00	50.00	50.00	0.439	0.439	1.00
35	12:00	1.00	1.046	1.00	50.00	50.00	0.162	0.162	1.00
36	12:58	1.00	1.131	1.00	50.00	50.00	0.265	0.265	1.00
37	13:13	1.00	1.153	1.00	50.00	50.00	0.649	0.649	1.00
38	13:49	1.00	0.869	1.00	50.00	50.00	0.289	0.289	1.00
39	14:01	1.00	0.883	1.00	50.00	50.00	0.414	0.414	1.00
40	14:06	1.00	0.887	1.00	50.00	50.00	0.439	0.439	1.00
41	14:26	1.00	0.909	1.00	50.00	50.00	1.359	1.359	1.00
42	14:49	1.00	0.932	1.00	50.00	50.00	0.466	0.466	1.00
43	15:25	1.00	0.970	1.00	50.00	50.00	1.392	1.392	1.00
44	15:29	1.00	0.975	1.00	50.00	50.00	1.999	1.999	1.00
45	15:34	1.00	0.980	1.00	50.00	50.00	0.342	0.342	1.00
46	15:52	1.00	0.999	1.00	50.00	50.00	0.366	0.366	1.00
47	15:58	1.00	1.006	1.00	50.00	50.00	1.214	1.214	1.00
48	16:07	1.00	1.015	1.00	50.00	50.00	0.176	0.176	1.00
49	16:22	1.00	1.031	1.00	50.00	50.00	1.747	1.747	1.00
50	16:20	1.00	1.028	1.00	50.00	50.00	0.140	0.140	1.00

Quantitation Report File: STDU557

02404

Data: STDU557.TI
06/03/88 15:32:00
Sample: CLP,STDU,,SSTD050,,,,BNA,CAL
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name				
51	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2
52	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
53	C590	FLUORENE	166	S3#135	86-73-7
54	C595	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
55	C595	4-NITROANALINE	138	S3#150	100-01-6
56	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
57	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
58	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
61	C640	PHENANTHRENE	178	S4# 65	85-01-8
62	C645	ANTHRACENE	178	S4# 70	120-12-7
63	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
64	C655	FLUORANTHENE	202	S4#110CC	206-44-0
65	C715	PYRENE	202	S5# 15	129-00-0
66	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
67	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
68	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
69	C740	CHRYSENE	228	S5# 60	218-01-9
70	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
71	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
72	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
73	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
74	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
75	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
76	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
77	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	165	1322	16:31	3	1.040	A BB	13687.	50.000	UG/ML	1.25
52	149	1378	17:13	3	1.084	A BB	46572.	50.000	UG/ML	1.25
53	166	1380	17:15	3	1.086	A BB	44285.	50.000	UG/ML	1.25
54	204	1384	17:18	3	1.089	A BB	19586.	50.000	UG/ML	1.25
55	138	1396	17:27	3	1.098	A BB	10278.	50.000	UG/ML	1.25
56	198	1404	17:33	4	0.894	A BB	8037.	50.000	UG/ML	1.25
57	169	1411	17:38	4	0.899	A BB	29755.	50.000	UG/ML	1.25
58	248	1482	18:31	4	0.944	A BB	9244.	50.000	UG/ML	1.25
59	284	1509	18:52	4	0.961	A BB	9033.	50.000	UG/ML	1.25
60	266	1546	19:19	4	0.985	A BB	6609.	50.000	UG/ML	1.25
61	178	1575	19:41	4	1.003	A BV	53030.	50.000	UG/ML	1.25
62	178	1583	19:47	4	1.008	A VB	56151.	50.000	UG/ML	1.25
63	149	1711	21:23	4	1.090	A BB	66006.	50.000	UG/ML	1.25
64	202	1819	22:44	4	1.159	A BB	48241.	50.000	UG/ML	1.25
65	202	1865	23:19	5	0.881	A BB	47900.	50.000	UG/ML	1.25
66	149	2016	25:12	5	0.952	A BB	25631.	50.000	UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2113	26:25	5	0.998	A BV	42503.	50.000	UG/ML	1.25
68	252	2115	26:26	5	0.999	A BB	28903.	100.000	UG/ML	2.51
69	228	2123	26:32	5	1.003	A VB	36750.	50.000	UG/ML	1.25
70	149	2141	26:46	5	1.011	A BB	36637.	50.000	UG/ML	1.25
71	149	2260	28:15	6	0.945	A BB	64234.	50.000	UG/ML	1.25
72	252	2324	29:03	6	0.972	A BV	48612.	50.000	UG/ML	1.25
73	252	2329	29:07	6	0.974	A VB	49509.	50.000	UG/ML	1.25
74	252	2382	29:46	6	0.996	A BV	51462.	50.000	UG/ML	1.25
75	276	2595	32:26	6	1.085	A BB	64080.	50.000	UG/ML	1.25
76	278	2597	32:28	6	1.086	A BB	53372.	50.000	UG/ML	1.25
77	276	2652	33:09	6	1.109	A BB	53080.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	16:31	1.00	1.040	1.00	50.00	50.00	0.416	0.416	1.00
52	17:13	1.00	1.084	1.00	50.00	50.00	1.416	1.416	1.00
53	17:15	1.00	1.086	1.00	50.00	50.00	1.346	1.346	1.00
54	17:18	1.00	1.089	1.00	50.00	50.00	0.595	0.595	1.00
55	17:27	1.00	1.098	1.00	50.00	50.00	0.312	0.312	1.00
56	17:33	1.00	0.894	1.00	50.00	50.00	0.166	0.166	1.00
57	17:38	1.00	0.899	1.00	50.00	50.00	0.615	0.615	1.00
58	18:31	1.00	0.944	1.00	50.00	50.00	0.191	0.191	1.00
59	18:52	1.00	0.961	1.00	50.00	50.00	0.187	0.187	1.00
60	19:19	1.00	0.985	1.00	50.00	50.00	0.137	0.137	1.00
61	19:41	1.00	1.003	1.00	50.00	50.00	1.096	1.096	1.00
62	19:47	1.00	1.008	1.00	50.00	50.00	1.161	1.161	1.00
63	21:23	1.00	1.090	1.00	50.00	50.00	1.364	1.364	1.00
64	22:44	1.00	1.159	1.00	50.00	50.00	0.997	0.997	1.00
65	23:19	1.00	0.881	1.00	50.00	50.00	1.361	1.361	1.00
66	25:12	1.00	0.952	1.00	50.00	50.00	0.728	0.728	1.00
67	26:25	1.00	0.998	1.00	50.00	50.00	1.208	1.208	1.00
68	26:26	1.00	0.999	1.00	100.00	100.00	0.411	0.411	1.00
69	26:32	1.00	1.003	1.00	50.00	50.00	1.044	1.044	1.00
70	26:46	1.00	1.011	1.00	50.00	50.00	1.041	1.041	1.00
71	28:15	1.00	0.945	1.00	50.00	50.00	1.772	1.772	1.00
72	29:03	1.00	0.972	1.00	50.00	50.00	1.341	1.341	1.00
73	29:07	1.00	0.974	1.00	50.00	50.00	1.366	1.366	1.00
74	29:46	1.00	0.996	1.00	50.00	50.00	1.419	1.419	1.00
75	32:26	1.00	1.085	1.00	50.00	50.00	1.767	1.767	1.00
76	32:28	1.00	1.086	1.00	50.00	50.00	1.472	1.472	1.00
77	33:09	1.00	1.109	1.00	50.00	50.00	1.464	1.464	1.00

RMAL QUANTITATION SUMMARY FILE: STDU337
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

UNITS: UG/ML

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	AMOUNT
1	S1#	1	CI30 1,4-DICHLOROBENZENE	152	682	1	17886.	1.000	40.000
2	S2#	1	CI40 NAPHTHALENE-D8	136	918	2	58801.	1.000	40.000
3	S3#	1	CI50 ACENAPHTHENE-D10	164	1271	3	26315.	1.000	40.000
4	S4#	1	CI60 PHENANTHRENE-D10	188	1570	4	38706.	1.000	40.000
5	S5#	1	CI70 CHRYSENE-D12	240	2117	5	28157.	1.000	40.000
6	S6#	1	CI75 PERYLENE-D12	264	2392	6	29004.	1.000	40.000
7	S2#	2	CS20 NITROBENZENE-D5	82	788	2	30382.	0.413	50.000
8	S3#	3	CS25 2-FLUOROBIPHENYL	172	1139	3	49059.	1.491	50.000
9	S5#	2	CS30 TERPHENYL-D14	244	1905	5	30180.	0.857	50.000
10	S1#	3	CS45 PHENOL-D5	99	634	1	73949.	1.699	100.000
11	S1#	2	CS50 2-FLUOROPHENOL	112	485	1	60999.	1.364	100.000
12	S3#	2	CS55 2,4,6-TRIBROMOPHENO	330	1434	3	6974.	0.106	100.000
13	S1#105		C315 PHENOL	94	636	1	42705.	1.910	50.000
14	S1#110		C325 BIS(2-CHLOROETHYL)E	93	648	1	34214.	1.530	50.000
15	S1#115		C330 2-CHLOROPHENOL	128	652	1	31065.	1.389	50.000
16	S1#125		C335 1,3-DICHLOROBENZENE	146	676	1	35115.	1.571	50.000
17	S1#130		C340 1,4-DICHLOROBENZENE	146	685	1	36322.	1.625	50.000
18	S1#145		C345 BENZYL ALCOHOL	108	714	1	16982.	0.760	50.000
19	S1#150		C350 1,2-DICHLOROBENZENE	146	718	1	33645.	1.505	50.000
20	S1#160		C355 2-METHYLPHENOL	108	737	1	25425.	1.137	50.000
21	S1#165		C360 BIS(2-CHLOROISOPROP	45	743	1	61639.	2.757	50.000
22	S1#185		C365 4-METHYLPHENOL	108	764	1	26213.	1.172	50.000
23	S1#190		C370 N-NITROSO-DI-N-PROP	70	769	1	23071.	1.032	50.000
24	S1#200		C375 HEXACHLOROETHANE	117	772	1	13239.	0.592	50.000
25	S2#	10	C410 NITROBENZENE	77	791	2	31064.	0.423	50.000
26	S2#	20	C415 ISOPHORONE	82	836	2	56829.	0.773	50.000
27	S2#	25	C420 2-NITROPHENOL	139	850	2	16761.	0.228	50.000
28	S2#	30	C425 2,4-DIMETHYLPHENOL	107	863	2	22088.	0.301	50.000
29	S2#	35	C435 BIS(2-CHLOROETHOXY)	93	882	2	34175.	0.465	50.000
30	S2#	40	C440 2,4-DICHLOROPHENOL	162	895	2	22658.	0.308	50.000
31	S2#	45	C430 BENZOIC ACID	122	893	2	13070.	0.178	50.000
32	S2#	55	C445 1,2,4-TRICHLOROBENZ	180	911	2	24847.	0.338	50.000
33	S2#	60	C450 NAPHTHALENE	128	922	2	81335.	1.107	50.000
34	S2#	80	C455 4-CHLOROANALINE	127	939	2	32281.	0.439	50.000
35	S2#	95	C460 HEXACHLOROBUTADIENE	225	960	2	11873.	0.162	50.000
36	S2#130		C465 4-CHLORO-3-METHYLPH	107	1038	2	19509.	0.265	50.000
37	S2#145		C470 2-METHYLNAPHTHALENE	142	1058	2	47719.	0.649	50.000
38	S3#	20	C510 HEXACHLOROCYCLOPENT	237	1105	3	9521.	0.289	50.000
39	S3#	25	C515 2,4,6-TRICHLOROPHEN	196	1122	3	13625.	0.414	50.000
40	S3#	30	C520 2,4,5-TRICHLOROPHEN	196	1128	3	14441.	0.439	50.000
41	S3#	40	C525 2-CHLORONAPHTHALENE	162	1155	3	44705.	1.359	50.000
42	S3#	45	C530 2-NITROANALINE	65	1185	3	15319.	0.466	50.000
43	S3#	55	C535 DIMETHYLPHTHALATE	163	1233	3	45778.	1.392	50.000
44	S3#	65	C540 ACENAPHTHYLENE	152	1239	3	65766.	1.999	50.000
45	S3#	70	C543 2,6-DINITROTOLUENE	165	1245	3	11247.	0.342	50.000
46	S3#	75	C545 3-NITROANILINE	138	1270	3	12025.	0.366	50.000
47	S3#	80	C550 ACENAPHTHENE	153	1278	3	39925.	1.214	50.000
48	S3#	85	C555 2,4-DINITROPHENOL	184	1290	3	5800.	0.176	50.000
49	S3#	90	C565 DIBENZOFURAN	168	1310	3	57465.	1.747	50.000
50	S3#	95	C560 4-NITROPHENOL	109	1307	3	4609.	0.140	50.000
51	S3#105		C570 2,4-DINITROTOLUENE	165	1322	3	13687.	0.416	50.000
52	S3#130		C580 DIETHYLPHTHALATE	149	1378	3	46572.	1.416	50.000
53	S3#135		C590 FLUORENE	166	1380	3	44285.	1.346	50.000
54	S3#140		C585 4-CHLOROPHENYL-PHEN	204	1384	3	19586.	0.595	50.000
55	S3#150		C595 4-NITROANALINE	138	1396	3	10278.	0.312	50.000
56	S4#	10	C610 4,6-DINITRO-2-METHY	198	1404	4	8037.	0.166	50.000
57	S4#	15	C615 N-NITROSODIPHENYLAM	169	1411	4	29755.	0.615	50.000
58	S4#	30	C625 4-BROMOPHENYL-PHENY	248	1482	4	9244.	0.191	50.000
59	S4#	40	C630 HEXACHLOROBENZENE	284	1509	4	9033.	0.187	50.000
60	S4#	50	C635 PENTACHLOROPHENOL	266	1546	4	6609.	0.137	50.000
61	S4#	65	C640 PHENANTHRENE	178	1575	4	53030.	1.096	50.000
62	S4#	70	C645 ANTHRACENE	178	1583	4	56151.	1.161	50.000
63	S4#	85	C650 DI-N-BUTYLPHTHALATE	149	1711	4	66006.	1.364	50.000
64	S4#110		C655 FLUORANTHENE	202	1819	4	48241.	0.997	50.000
65	S5#	15	C715 PYRENE	202	1865	5	47900.	1.361	50.000
66	S5#	40	C720 BUTYLBENZYLPHTHALAT	149	2016	5	25631.	0.728	50.000
67	S5#	50	C730 BENZO(A)ANTHRACENE	228	2113	5	42503.	1.208	50.000
68	S5#	55	C725 3,3'-DICHLOROBENZID	252	2115	5	28903.	0.411	100.000
69	S5#	60	C740 CHRYSENE	228	2123	5	36750.	1.044	50.000
70	S5#	65	C745 BIS(2-ETHYLHEXYL)PH	149	2141	5	36637.	1.041	50.000
71	S6#	10	C760 DI-N-OCTYL PHTHALAT	149	2260	6	64234.	1.772	50.000
72	S6#	15	C765 BENZO(B)FLUORANTHEN	252	2324	6	48613.	1.341	50.000

74	S6#	35	C775	BENZO(A)PYRENE	252	2382	6	51462.	1.419	50.000
75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2595	6	64080.	1.767	50.000
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2597	6	53372.	1.472	50.000
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2652	6	53080.	1.464	50.000

RMAL-QC/MS/DS-AUTOPROCESSING
DATAFILE : D: STDR976. STARTED : 6/02/88 9:43:49

6/2/88 8:34:57 SCAN 1 OF 2850 02408
Acquisition started

Acquire Run 0: STDR976 ACQUIRING
06/02/88 8:33:00 + 0:03 Free sectors: 27873 Scan: 4 of 2850
Sample: 50PPM PYRIDINE STD 10/26/87
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No: 59436

********** QC PARAMETERS **********
Loaded QC Desc: ST Current QC oven tmp: 30 DegC Injector : 250 DegC
Current QC Desc: ST QC elapsed time : 0: 7 min Int. oven : 275 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

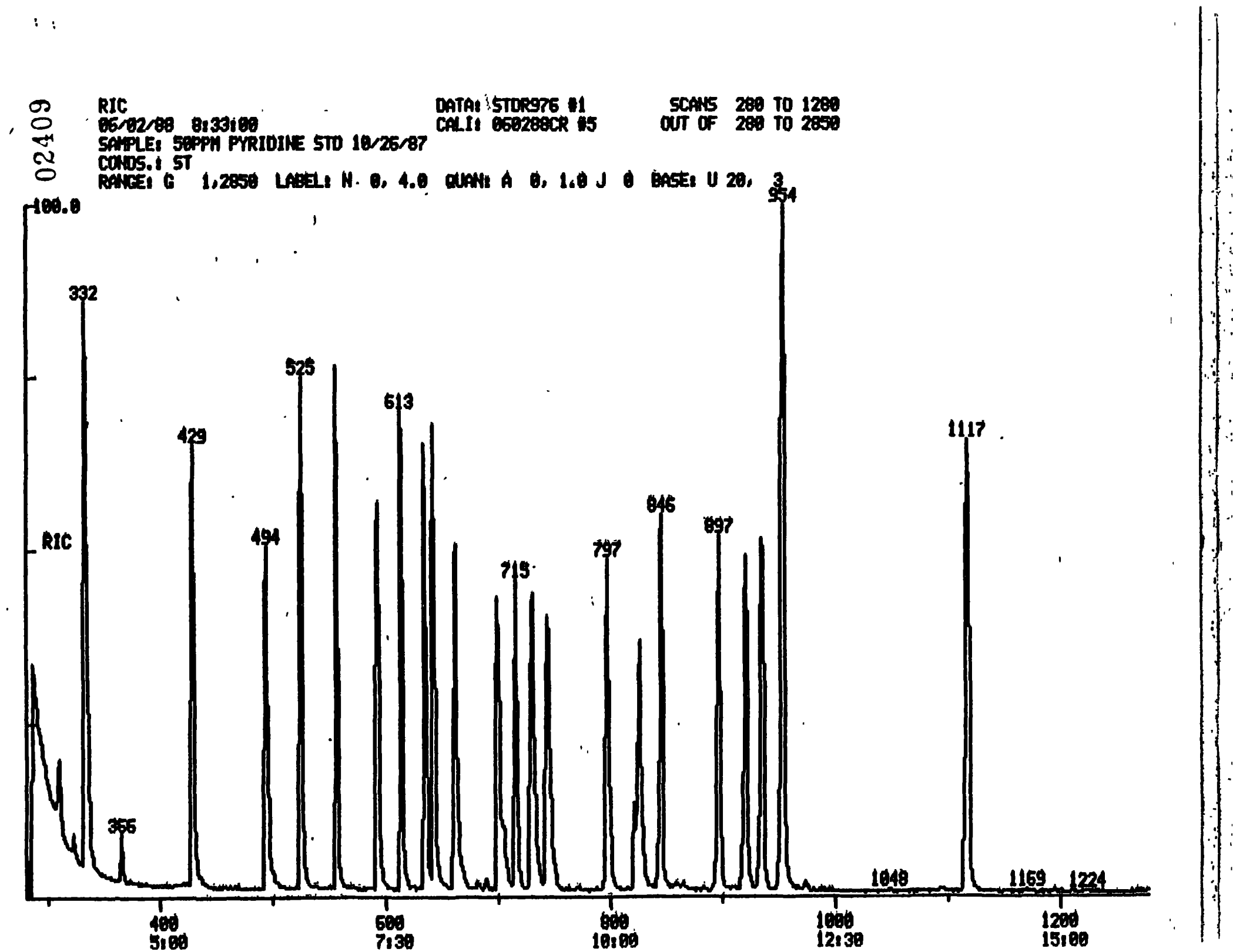
Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	6	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/2/88 9:14:39
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	544.7	2137.5	25.5	58453.	21. 27.

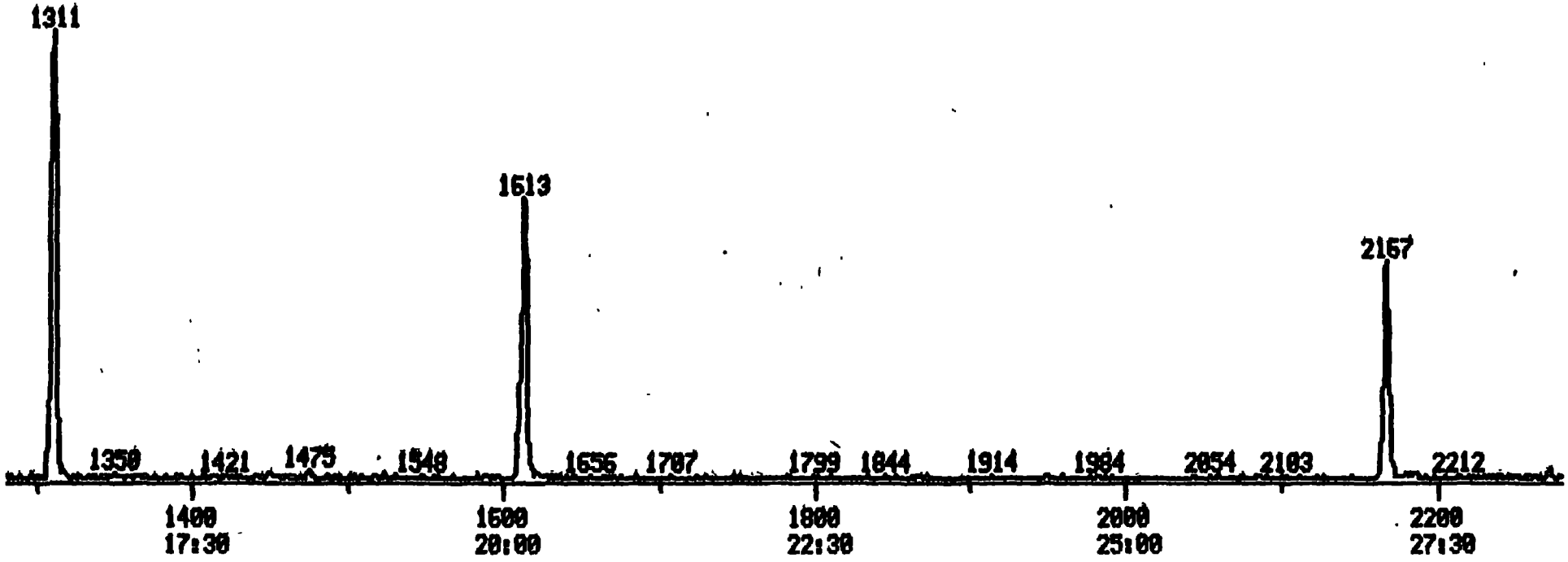

02409
RIC
06/02/88 8:33:00
SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
RANGE: G 1.2850 LABEL: N. 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDR976 #1
CALI: 060288CR #5
SCANS 200 TO 1200
OUT OF 200 TO 2850
100.0
RIC
332
525
613
429
494
715
797
846
897
954
1117
366
1048
1169
1224
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

02410

RIC
06/02/88 8:33:00
SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
RANGE: G 1.2850 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

DATA: STDR976 #1 SCANS 1200 TO 2200
CALI: 060288CR #5 OUT OF 200 TO 2850

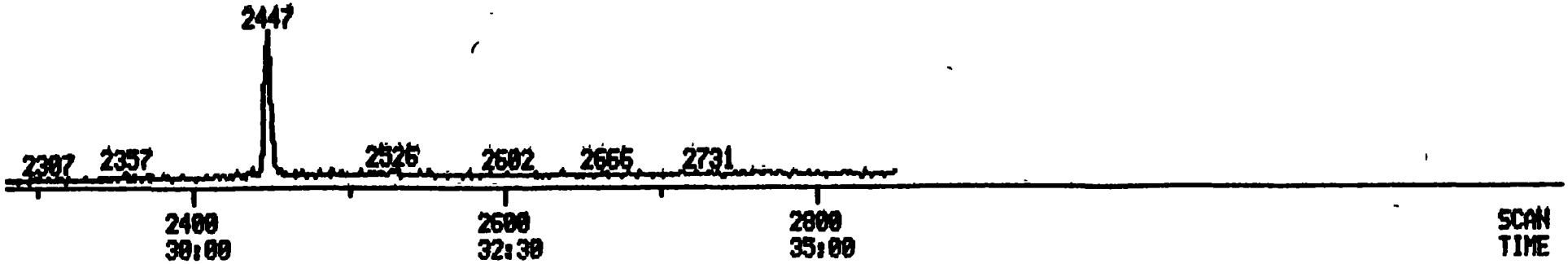
100.0



02411

RIC DATA: STDR976 #1 SCANS 2280 TO 2850
06/02/88 8:33:00 CALI: 060288CR #5 OUT OF 280 TO 2850
SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
RANGE: G 1.2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 92160.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/03/88 18:03:03

DATA FILE: STDR976

REFERENCE: 11TABLE

02412

NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

REPORT: ISO1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	13	13	8	44	ISO1/TCO1
3	3	1	0	14	14	4	66	ISO2/TCO2

26 COMPOUNDS PROCESSED, 26 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-715	715	715	.	1	968	.	152	715	.	1
2	S1	4	-335	332	332	.	1	993	.	84	332	.	1
3	S1	20	-337	334	334	.	1	993	.	79	334	.	1
4	S1	30	-431	429	429	.	1	994	.	93	429	.	1
5	S1	62	-496	494	494	.	1	996	.	93	494	.	1
6	S1	64	-526	524	525	1	1	996	.	107	525	.	1
7	S1	73	-558	556	556	.	1	998	.	106	556	.	1
8	S1	83	-594	593	593	.	2	994	.	107	593	.	1
9	S1	87	-615	614	613	-1	1	993	.	107	613	.	1
10	S1	88	-635	634	634	.	2	995	.	107	634	.	1
11	S1	89	-643	642	642	.	2	986	.	107	642	.	1
12	S1	92	-663	662	662	.	1	991	.	107	661	-1	1
13	S1	122	-700	699	699	.	1	988	.	107	699	.	1
14	S2	1	-954	954	954	.	1	993	.	136	954	.	1
15	S3	1	-1311	1311	1311	.	1	991	.	164	1311	.	1
16	S1	137	-731	730	730	.	1	991	.	106	730	.	1
17	S1	142	-745	744	743	-1	1	968	.	106	743	.	1
18	S1	187	-799	798	797	-1	1	921	.	108	797	.	1
19	S1	202	-822	821	821	.	2	995	.	106	.	.	.
20	S1	203	-827	826	826	.	2	995	.	106	826	.	1
21	S1	204	-847	846	846	.	1	988	.	122	846	.	1
22	S2	27	-898	897	897	.	1	995	.	107	897	.	1
23	S2	37	-922	921	921	.	1	992	.	107	921	.	1
24	S2	47	-937	936	935	-1	1	993	.	107	935	.	1
25	S2	57	-955	954	954	.	1	984	.	107	954	.	1
26	S2	150	-1118	1117	1117	.	1	990	.	142	1117	.	1

Quantitation Report File: STDR976 02413

Data: STDR976.TI
06/02/88 8:33:00
Sample: 30PPM PYRIDINE STD 10/26/87
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MA Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI3O 1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	CI4O NAPHTHALENE-D8	136IS2# 01	1146-65-2
3	CI5O ACENAPHTHENE-D10	164IS3# 01	15067-26-2
4	PYRIDINE-D5	84 S1# 04	
5	PYRIDINE	79 S1# 20	110-86-1
6	2-PICOLINE	93 S1# 30	109-06-8
7	3 & 4-PICOLINE	93 S1# 62	
8	2,6-LUTIDINE	107 S1# 64	
9	2-ETHYL PYRIDINE	106 S1# 73	
10	2,4 & 2,5-LUTIDINE	107 S1# 83	
11	2,3-LUTIDINE	107 S1# 87	
12	3-ETHYL PYRIDINE	107 S1# 88	
13	4-ETHYL PYRIDINE	107 S1# 89	
14	3,5-LUTIDINE	107 S1# 92	
15	3,4-LUTIDINE	107 S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106 S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106 S1#142	
18	M AND P CRESOLS	108 S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106 S1#203	
20	2,6-DIMETHYL PHENOL	122 S1#204	
21	2,5-DIMETHYL PHENOL	107 S2# 27	
22	3,5-DIMETHYL PHENOL	107 S2# 37	
23	2,3-DIMETHYL PHENOL	107 S2# 47	
24	3,4-DIMETHYL PHENOL	107 S2# 57	
25	1-METHYLNAPHTHALENE	142 S2#150	90-12-0
26	3-ETHYL-4-METHYL PYRIDINE	106 S1#202	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	715	8:56	1	1.000	A BV	17441.	40.000 UG/ML	3.15
2	136	954	11:55	2	1.000	A BB	67790.	40.000 UG/ML	3.15
3	164	1311	16:23	3	1.000	A BV	33631.	40.000 UG/ML	3.15
4	84	332	4:09	1	0.464	A BB	42110.	50.000 UG/ML	3.94
5	79	334	4:10	1	0.467	A BB	41600.	50.000 UG/ML	3.94
6	93	429	5:22	1	0.600	A BB	41048.	50.000 UG/ML	3.94
7	93	494	6:10	1	0.691	A BB	40662.	50.000 UG/ML	3.94
8	107	525	6:34	1	0.734	A BB	43776.	50.000 UG/ML	3.94
9	106	556	6:57	1	0.778	A BB	51453.	50.000 UG/ML	3.94
10	107	593	7:25	1	0.829	A BB	37209.	50.000 UG/ML	3.94
11	107	613	7:40	1	0.857	A BB	39994.	50.000 UG/ML	3.94
12	107	634	7:55	1	0.887	A BV	28243.	50.000 UG/ML	3.94
13	107	642	8:01	1	0.898	A VB	31353.	50.000 UG/ML	3.94
14	107	661	8:16	1	0.924	A BB	34586.	50.000 UG/ML	3.94
15	107	699	8:44	1	0.978	A BB	35139.	50.000 UG/ML	3.94
16	106	730	9:07	1	1.021	A BB	47047.	50.000 UG/ML	3.94
17	106	743	9:17	1	1.039	A VB	33584.	50.000 UG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	797	9:38	1	1.115	A BV	34358.	50.000	UG/ML	3.94
19	106	826	10:19	1	1.155	A BB	36542.	50.000	UG/ML	3.94
20	122	846	10:34	1	1.183	A BV	26725.	50.000	UG/ML	3.94
21	107	897	11:13	2	0.940	A BB	29911.	50.000	UG/ML	3.94
22	107	921	11:31	2	0.965	A BB	30440.	50.000	UG/ML	3.94
23	107	935	11:41	2	0.980	A BB	32173.	50.000	UG/ML	3.94
24	107	954	11:55	1	1.334	A BB	39366.	50.000	UG/ML	3.94
25	142	1117	13:58	2	1.171	A BB	59259.	50.000	UG/ML	3.94
26	106	821	10:16	1	1.148	M XX	7952.	50.000	UG/ML	3.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:09	1.00	0.464	1.00	50.00	50.00	1.932	1.932	1.00
5	4:10	1.00	0.467	1.00	50.00	50.00	1.908	1.908	1.00
6	5:22	1.00	0.600	1.00	50.00	50.00	1.883	1.883	1.00
7	6:10	1.00	0.691	1.00	50.00	50.00	1.865	1.865	1.00
8	6:34	1.00	0.734	1.00	50.00	50.00	2.008	2.008	1.00
9	6:57	1.00	0.778	1.00	50.00	50.00	2.360	2.360	1.00
10	7:25	1.00	0.829	1.00	50.00	50.00	1.707	1.707	1.00
11	7:40	1.00	0.857	1.00	50.00	50.00	1.835	1.835	1.00
12	7:55	1.00	0.887	1.00	50.00	50.00	1.295	1.295	1.00
13	8:01	1.00	0.898	1.00	50.00	50.00	1.438	1.438	1.00
14	8:16	1.00	0.924	1.00	50.00	50.00	1.586	1.586	1.00
15	8:44	1.00	0.978	1.00	50.00	50.00	1.612	1.612	1.00
16	9:07	1.00	1.021	1.00	50.00	50.00	2.158	2.158	1.00
17	9:17	1.00	1.039	1.00	50.00	50.00	1.540	1.540	1.00
18	9:58	1.00	1.115	1.00	50.00	50.00	1.576	1.576	1.00
19	10:19	1.00	1.155	1.00	50.00	50.00	1.676	1.676	1.00
20	10:34	1.00	1.183	1.00	50.00	50.00	1.226	1.226	1.00
21	11:13	1.00	0.940	1.00	50.00	50.00	0.353	0.353	1.00
22	11:31	1.00	0.965	1.00	50.00	50.00	0.359	0.359	1.00
23	11:41	1.00	0.980	1.00	50.00	50.00	0.380	0.380	1.00
24	11:55	1.00	1.334	1.00	50.00	50.00	1.806	1.806	1.00
25	13:58	1.00	1.171	1.00	50.00	50.00	0.699	0.699	1.00
26	10:16	1.00	1.148	1.00	50.00	50.00	0.365	0.365	1.00

RMAL QUANTITATION SUMMARY FILE: STDR976
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	715	1	17441.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	954	2	67790.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1311	3	33631.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	332	1	42110.	1.932	50.000
5	S1# 20	PYRIDINE	79	334	1	41600.	1.908	50.000
6	S1# 30	2-PICOLINE	93	429	1	41048.	1.883	50.000
7	S1# 62	3 & 4-PICOLINE	93	494	1	40662.	1.865	50.000
8	S1# 64	2,6-LUTIDINE	107	525	1	43776.	2.008	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	556	1	51453.	2.360	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	593	1	37209.	1.707	50.000
11	S1# 87	2,3-LUTIDINE	107	613	1	39994.	1.835	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	634	1	28243.	1.295	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	642	1	31353.	1.438	50.000
14	S1# 92	3,5-LUTIDINE	107	661	1	34586.	1.586	50.000
15	S1#122	3,4-LUTIDINE	107	699	1	35139.	1.612	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	730	1	47047.	2.158	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	743	1	33584.	1.540	50.000
18	S1#187	M AND P CRESOLS	108	797	1	34358.	1.576	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	821	1	7952.	0.365	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	826	1	36542.	1.676	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	846	1	26725.	1.226	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	897	2	29911.	0.353	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	921	2	30440.	0.359	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	935	2	32173.	0.380	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	954	1	39366.	1.806	50.000
26	S2#130	1-METHYLNAPHTHALENE	142	1117	2	59259.	0.699	50.000

6/2/88 17:00:08 SCAN 1 OF 2850
Acquisition started

Acquire Run 0:STDR992 ACQUIRING
06/02/88 18:58:00 + 0:09 Free sectors: 21436 Scan: 12 of 2850
Sample: 50PPM PYRIDINE STD 10/26/87
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0:11 min Int.oven : 275 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Inten/ion: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/2/88 19:35:47
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

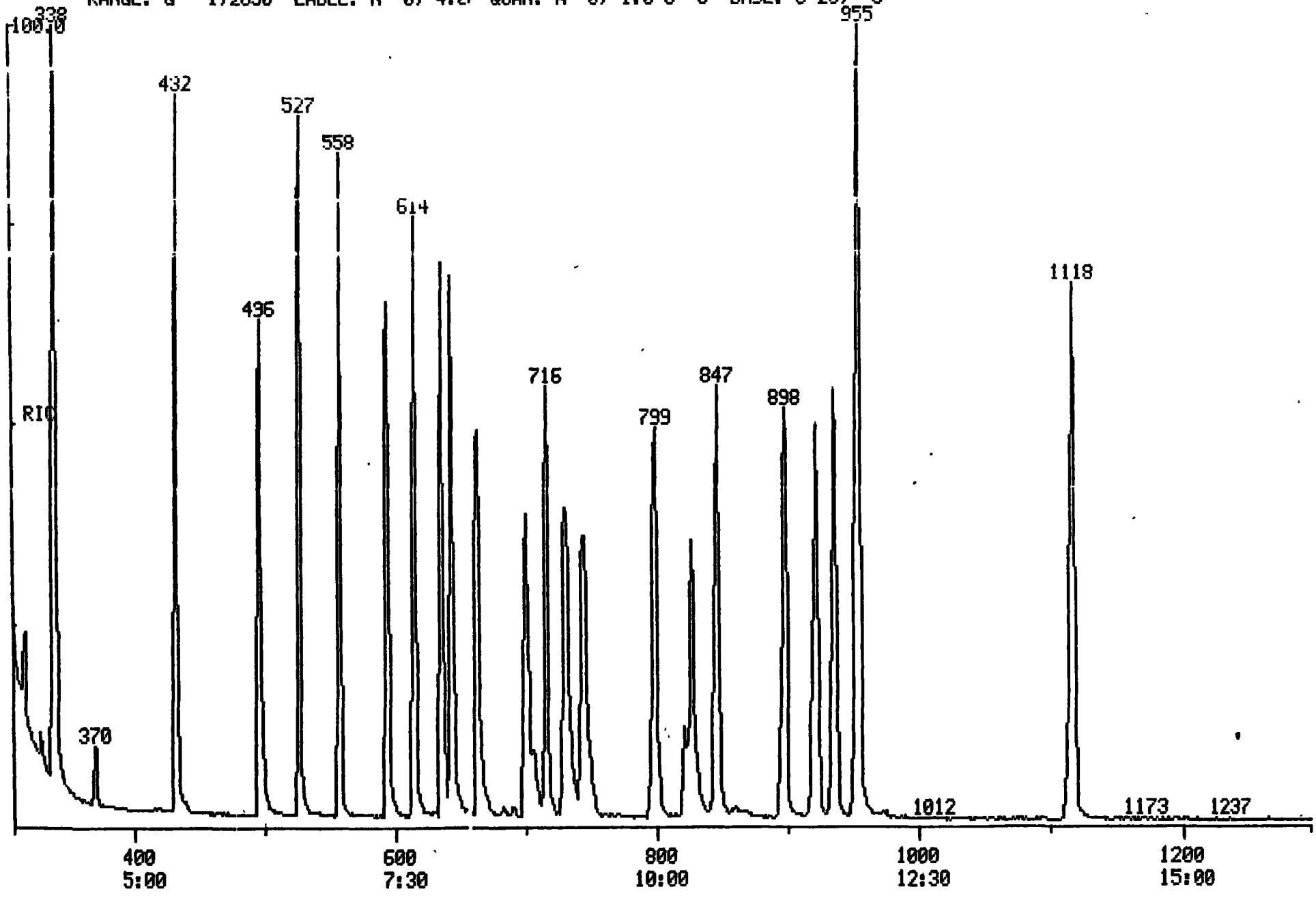
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	525.5	2137.5	24.6	603.7.	21. 28.

02417

RIC
05/02/88 18:58:00
SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDP992 #1
CAL: 050288CP #5

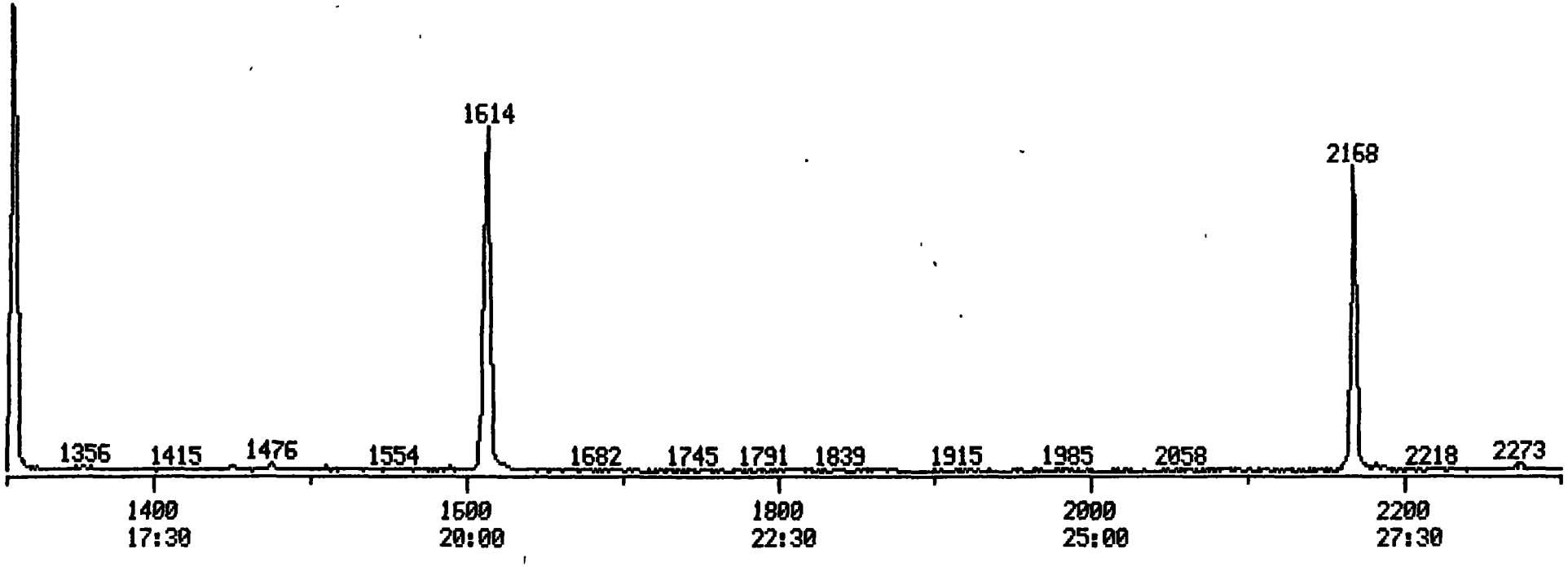
SCANS 200 TO 1300
OUT OF 200 TO 2850



02418

RIC
06/07/88 18:58:00
SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0

DATA: STDP032 #1 SCANS 1200 TO 2300
CAL: 060788CP #5 MIT OF 300 TO 2850



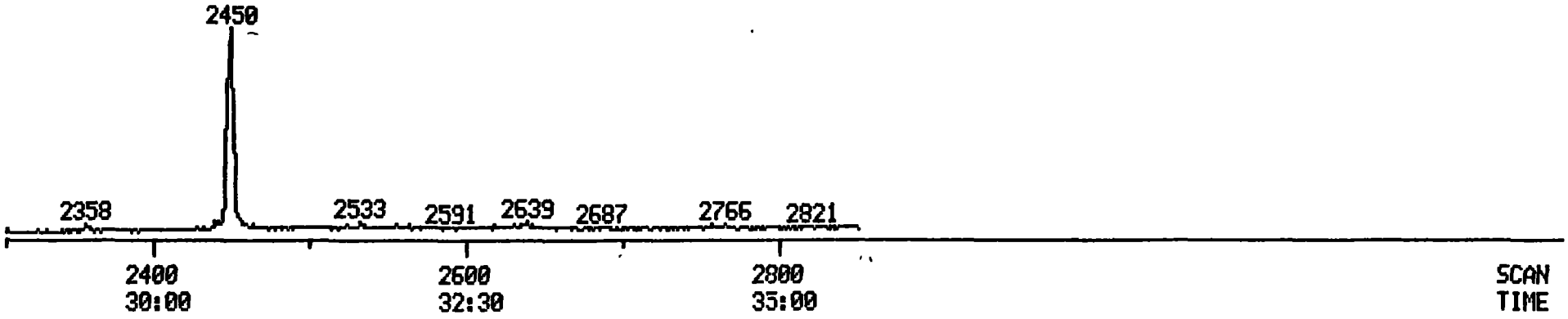
02419

DIC
06/02/88 18:58:00
DATA: STDF002 #1
CALI: 060288DF #5
SCANS 2300 TO 2850
OUT OF 300 TO 2850

SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0

109184.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/03/88 18:39:26

DATA FILE: STDR992

REFERENCE: 11TABLE

NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 02420

REPORT: IS01

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	13	13	8	92	IS01/TC01
3	3	2	33	14	14	4	64	IS02/TC02

26 COMPOUNDS PROCESSED, 26 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-714	716	716	.	1	972	.	152	716	.	1
2	S1	4	-332	337	338	1	1	989	.	84	338	.	1
3	S1	20	-334	339	340	1	1	993	.	79	340	.	1
4	S1	30	-429	433	432	-1	1	996	.	93	432	.	1
5	S1	62	-494	497	496	-1	1	996	.	93	496	.	1
6	S1	64	-525	528	527	-1	1	992	.	107	527	.	1
7	S1	73	-556	558	558	.	1	991	.	106	558	.	1
8	S1	83	-593	595	594	-1	1	990	.	107	594	.	1
9	S1	87	-613	615	614	-1	1	988	.	107	614	.	1
10	S1	88	-634	635	635	.	2	994	.	107	635	.	1
11	S1	89	-642	643	643	.	2	986	.	107	643	.	1
12	S1	92	-661	662	663	1	1	991	.	107	663	.	1
13	S1	122	-699	700	700	.	2	986	.	107	700	.	1
14	S2	1	-953	955	955	.	2	996	.	136	955	.	1
15	S3	1	-1310	1311	1311	.	1	995	.	164	1311	.	1
16	S1	137	-730	731	730	-1	1	990	.	106	730	.	1
17	S1	142	-743	744	744	.	1	965	.	106	745	1	1
18	S1	187	-797	798	799	1	1	934	.	108	799	.	1
19	S1	202	-821	822	821	-1	2	995	.	106	821	.	1
20	S1	203	-826	827	827	.	2	995	.	106	827	.	1
21	S1	204	-846	847	847	.	1	991	.	122	847	.	1
22	S2	27	-897	898	898	.	1	992	.	107	898	.	1
23	S2	37	-921	922	922	.	1	990	.	107	922	.	1
24	S2	47	-935	936	936	.	1	991	.	107	936	.	1
25	S2	57	-954	955	955	.	1	982	.	107	955	.	1
26	S2	130	-1117	1118	1118	.	1	987	.	142	1118	.	1

Quantitation Report File: STDR992 C2421

Data: STDR992.TI
06/02/88 18:38:00
Sample: 50PPM PYRIDINE STD 10/26/87
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI30 1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164IS3# 01	15067-26-2
4	PYRIDINE-D5	84 S1# 04	
5	PYRIDINE	79 S1# 20	110-86-1
6	2-PICOLINE	93 S1# 30	109-06-8
7	3 & 4-PICOLINE	93 S1# 62	
8	2,6-LUTIDINE	107 S1# 64	
9	2-ETHYL PYRIDINE	106 S1# 73	
10	2,4 & 2,5-LUTIDINE	107 S1# 83	
11	2,3-LUTIDINE	107 S1# 87	
12	3-ETHYL PYRIDINE	107 S1# 88	
13	4-ETHYL PYRIDINE	107 S1# 89	
14	3,5-LUTIDINE	107 S1# 92	
15	3,4-LUTIDINE	107 S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106 S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106 S1#142	
18	M AND P CRESOLS	108 S2#187	
19	3-ETHYL-4-METHYL PYRIDINE	106 S1#202	
20	3-ETHYL-5-METHYL PYRIDINE	106 S1#203	
21	2,6-DIMETHYL PHENOL	122 S1#204	
22	2,5-DIMETHYL PHENOL	107 S2# 27	
23	3,5-DIMETHYL PHENOL	107 S2# 37	
24	2,3-DIMETHYL PHENOL	107 S2# 47	
25	3,4-DIMETHYL PHENOL	107 S2# 57	
26	1-METHYLNAPHTHALENE	142 S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	716	8:37	1	1.000	A BV	25741.	40.000 UG/ML	3.15
2	136	955	11:36	2	1.000	A BB	99962.	40.000 UG/ML	3.15
3	164	1311	16:23	3	1.000	A BB	48597.	40.000 UG/ML	3.15
4	84	338	4:13	1	0.472	A BB	56712.	50.000 UG/ML	3.94
5	79	340	4:15	1	0.475	A BB	38574.	50.000 UG/ML	3.94
6	93	432	5:24	1	0.603	A BB	57839.	50.000 UG/ML	3.94
7	93	496	6:12	1	0.693	A BB	55240.	50.000 UG/ML	3.94
8	107	527	6:35	1	0.736	A BB	60617.	50.000 UG/ML	3.94
9	106	558	6:58	1	0.779	A BB	72156.	50.000 UG/ML	3.94
10	107	594	7:25	1	0.830	A BB	50926.	50.000 UG/ML	3.94
11	107	614	7:40	1	0.858	A BB	54530.	50.000 UG/ML	3.94
12	107	635	7:56	1	0.887	A BV	38075.	50.000 UG/ML	3.94
13	107	643	8:02	1	0.898	A VB	42680.	50.000 UG/ML	3.94
14	107	663	8:17	1	0.926	A BB	45852.	50.000 UG/ML	3.94
15	107	700	8:45	1	0.978	A BB	46482.	50.000 UG/ML	3.94
16	106	730	9:07	1	1.020	A BB	62878.	50.000 UG/ML	3.94
17	106	745	9:19	1	1.041	A VB	45457.	50.000 UG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	799	9:59	1	1.116	A BB	45795.	50.000	UG/ML	3.94
19	106	821	10:16	1	1.147	A BV	9011.	50.000	UG/ML	3.94
20	106	827	10:20	1	1.155	A VV	40525.	50.000	UG/ML	3.94
21	122	847	10:35	1	1.183	A BB	37176.	50.000	UG/ML	3.94
22	107	898	11:13	2	0.940	A BB	40716.	50.000	UG/ML	3.94
23	107	922	11:31	2	0.965	A BB	41931.	50.000	UG/ML	3.94
24	107	936	11:42	2	0.980	A BB	43893.	50.000	UG/ML	3.94
25	107	955	11:56	1	1.334	A BB	54576.	50.000	UG/ML	3.94
26	142	1118	13:58	2	1.171	A BB	85686.	50.000	UG/ML	3.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:13	1.00	0.472	1.00	50.00	50.00	1.763	1.763	1.00
5	4:15	1.00	0.475	1.00	50.00	50.00	1.820	1.820	1.00
6	5:24	1.00	0.603	1.00	50.00	50.00	1.798	1.798	1.00
7	6:12	1.00	0.693	1.00	50.00	50.00	1.717	1.717	1.00
8	6:35	1.00	0.736	1.00	50.00	50.00	1.884	1.884	1.00
9	6:38	1.00	0.779	1.00	50.00	50.00	2.243	2.243	1.00
10	7:25	1.00	0.830	1.00	50.00	50.00	1.583	1.583	1.00
11	7:40	1.00	0.858	1.00	50.00	50.00	1.695	1.695	1.00
12	7:56	1.00	0.887	1.00	50.00	50.00	1.183	1.183	1.00
13	8:02	1.00	0.898	1.00	50.00	50.00	1.326	1.326	1.00
14	8:17	1.00	0.926	1.00	50.00	50.00	1.425	1.425	1.00
15	8:45	1.00	0.978	1.00	50.00	50.00	1.445	1.445	1.00
16	9:07	1.00	1.020	1.00	50.00	50.00	1.954	1.954	1.00
17	9:19	1.00	1.041	1.00	50.00	50.00	1.413	1.413	1.00
18	9:59	1.00	1.116	1.00	50.00	50.00	1.423	1.423	1.00
19	10:16	1.00	1.147	1.00	50.00	50.00	0.280	0.280	1.00
20	10:20	1.00	1.155	1.00	50.00	50.00	1.259	1.259	1.00
21	10:35	1.00	1.183	1.00	50.00	50.00	1.155	1.155	1.00
22	11:13	1.00	0.940	1.00	50.00	50.00	0.326	0.326	1.00
23	11:31	1.00	0.965	1.00	50.00	50.00	0.336	0.336	1.00
24	11:42	1.00	0.980	1.00	50.00	50.00	0.351	0.351	1.00
25	11:56	1.00	1.334	1.00	50.00	50.00	1.696	1.696	1.00
26	13:58	1.00	1.171	1.00	50.00	50.00	0.686	0.686	1.00

RMAL QUANTITATION SUMMARY FILE: STDR992 02423
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	716	1	25741.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	955	2	99962.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1311	3	48597.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	338	1	56712.	1.763	50.000
5	S1# 20	PYRIDINE	79	340	1	58574.	1.820	50.000
6	S1# 30	2-PICOLINE	93	432	1	57839.	1.798	50.000
7	S1# 62	3 & 4-PICOLINE	93	496	1	55240.	1.717	50.000
8	S1# 64	2,6-LUTIDINE	107	527	1	60617.	1.884	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	558	1	72156.	2.243	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	594	1	50926.	1.583	50.000
11	S1# 87	2,3-LUTIDINE	107	614	1	54530.	1.695	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	635	1	38075.	1.183	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	643	1	42680.	1.326	50.000
14	S1# 92	3,5-LUTIDINE	107	663	1	45852.	1.425	50.000
15	S1#122	3,4-LUTIDINE	107	700	1	46482.	1.445	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	730	1	62878.	1.954	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	745	1	45457.	1.413	50.000
18	S1#187	M AND P CRESOLS	108	799	1	45795.	1.423	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	821	1	9011.	0.280	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	827	1	40525.	1.259	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	847	1	37176.	1.155	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	898	2	40716.	0.326	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	922	2	41931.	0.336	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	936	2	43893.	0.351	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	955	1	54576.	1.696	50.000
26	S2#150	1-METHYLNAPHTHALENE	142	1118	2	85686.	0.686	50.000

02424

6/3/88 12:24:03 SCAN 1 OF 2850
Acquisition started

Acquire
06/03/88 12:22:00 + 0:04
Sample: 50PPM PYRIDINE STD 10 26/87
Conds.: ST
Formula: AUTO INJ
Submitted by: RMAL

Run 0:STDR008
Free sectors: 1373.
Instrument: 4500
Analyst: MK

ACQUIRING
Scan: 5 of 2850
Weight: 0.000
Acct. No:

********** GC PARAMETERS ********** - **********

Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: [illegible] min. Interface : 275 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS ********** - **********

Low mass: 35 Up: 0.70 L* Top: 0.00
High mass: 500 Down: 0.00 L Bottom: 0.05

Cent S/P: 10 Actual: 10 Samp Int (ms): 0.150 Peak Width: 1000.
Frag S/P: 10 Actual: 10 Samp Int (ms): 0.150 Intensity: 2

Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** Mode: Centroid positive ion

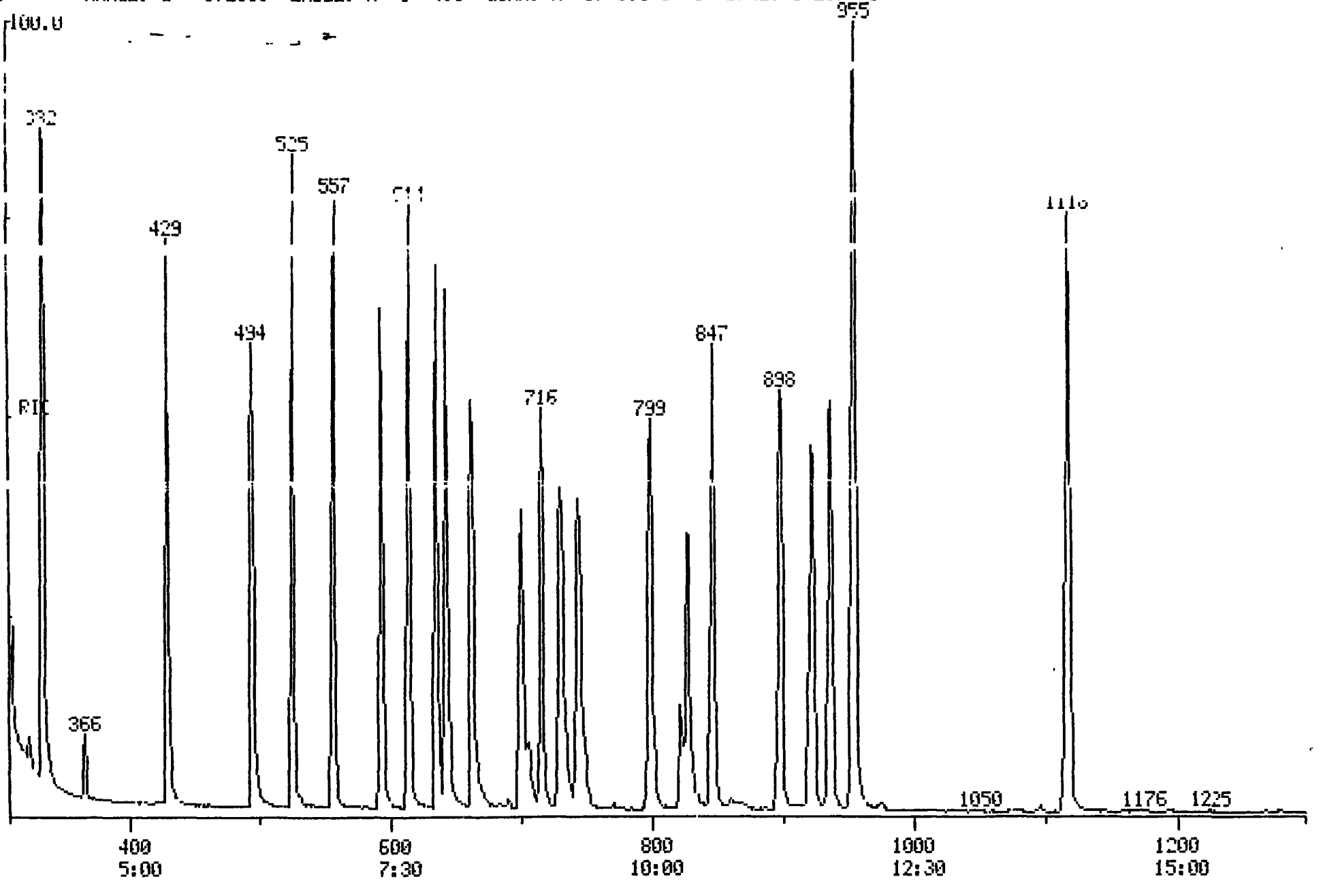
Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/3/88 12:59:43
ACQUISITION COMPLETED
SCANS 1 TO 2850 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2850	413.8	2137.5	19.4	50916.	18.	24.

02425

PIC
06-03-88 12:22:00
SAMPLE: 50PPM PYRIDINE STD 10-26-87
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

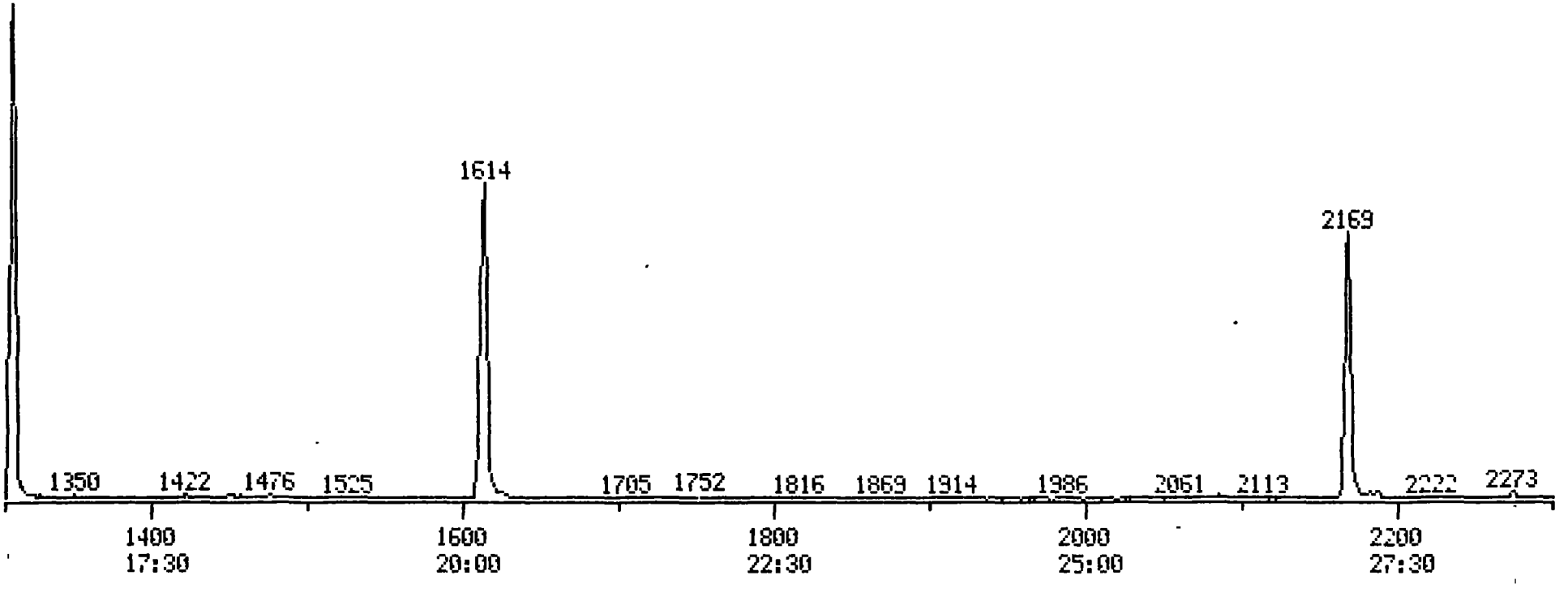


02426

PIC
06.03.88 12:22:00
SAMPLE: 50PPM PYRIDINE STD 10 26 87
CONDS.: ST
RANGE: G 1.2850 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

CALI: 060388CP #6 OUT OF 300 TO 2850

100.0

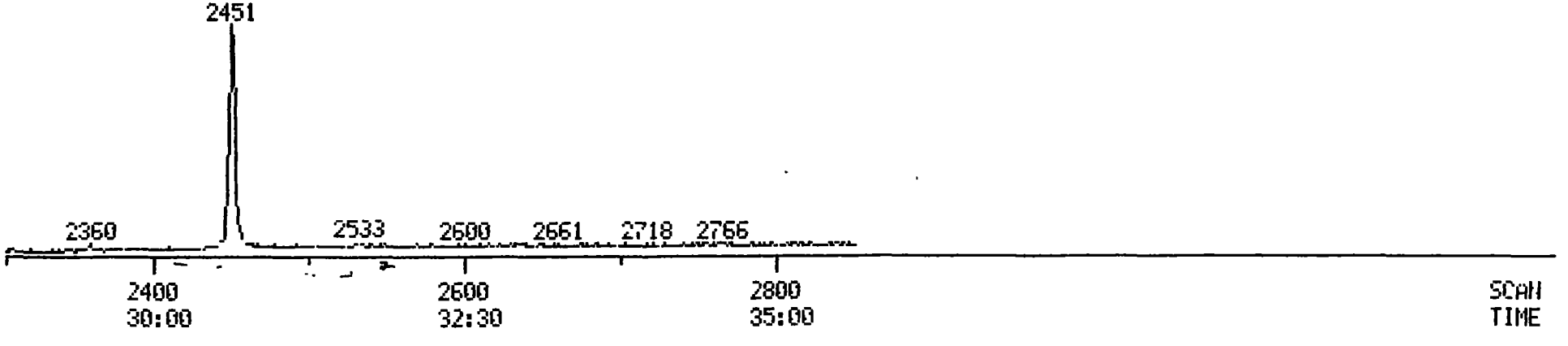


02427

PIC
06/03/88 12:22:00
SAMPLE: 50PPM PYRIDINE STD 10/26/87
CONDS.: ST
RANGE: G 1,2850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDP000 #1 SCANS 2300 TO 2850
CALI: 060388CR #6 OUT OF 300 TO 2850

100.0 125184.



Quantitation Report File: STDR023

Data: STDR023.TI
06/04/88 14:44:00
Sample: 50 PPM PYRIDINE STD
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight 0.000
Submitted by: RMAL Analyst: MD Acct. no :

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164	IS3# 01	5067-26-2
4	PYRIDINE-D5	84	S1# 04	
5	PYRIDINE	79	S1# 20	110-86-1
6	2-PICOLINE	93	S1# 30	109-06-8
7	3 & 4-PICOLINE	93	S1# 62	
8	2,6-LUTIDINE	107	S1# 64	
9	2-ETHYL PYRIDINE	106	S1# 73	
10	2,4 & 2,5-LUTIDINE	107	S1# 83	
11	2,3-LUTIDINE	107	S1# 87	
12	3-ETHYL PYRIDINE	107	S1# 88	
13	4-ETHYL PYRIDINE	107	S1# 89	
14	3,5-LUTIDINE	107	S1# 92	
15	3,4-LUTIDINE	107	S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
20	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Height)	Amount		%Tot
1	152	717	8:58	1	1.000	A BB	15561.	40.000	UG/ML	3.15
2	136	956	11:57	2	1.000	A BB	58994.	40.000	UG/ML	3.15
3	164	1313	16:25	3	1.000	A BB	29702.	40.000	UG/ML	3.15
4	84	334	4:10	1	0.466	A BB	33461.	50.000	UG/ML	3.94
5	79	336	4:12	1	0.469	A BB	34985.	50.000	UG/ML	3.94
6	93	430	5:22	1	0.600	A BB	33661.	50.000	UG/ML	3.94
7	93	495	6:11	1	0.690	A BB	33261.	50.000	UG/ML	3.94
8	107	527	6:35	1	0.735	A BB	36735.	50.000	UG/ML	3.94
9	106	558	6:58	1	0.778	A BB	42815.	50.000	UG/ML	3.94
10	107	594	7:25	1	0.828	A BB	31622.	50.000	UG/ML	3.94
11	107	615	7:41	1	0.858	A BB	33381.	50.000	UG/ML	3.94
12	107	636	7:57	1	0.887	A BV	23153.	50.000	UG/ML	3.94
13	107	644	8:03	1	0.898	A VB	25888.	50.000	UG/ML	3.94
14	107	664	8:18	1	0.926	A BB	28633.	50.000	UG/ML	3.94
15	107	701	8:46	1	0.978	A BB	26571.	50.000	UG/ML	3.94
16	106	731	9:08	1	1.020	A BB	39603.	50.000	UG/ML	3.94
17	106	745	9:19	1	1.039	A VB	27467.	50.000	UG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Height	Amount		%Tot
18	108	800	10:00	1	1.116	A BB	28055.	50.000	LG/ML	3.9
19	106	823	10:17	1	1.148	M XX	9165.	50.000	LG/ML	3.9
20	106	829	10:22	1	1.156	A VB	20815.	50.000	LG/ML	3.9
21	122	848	10:36	1	1.183	A BB	22975.	50.000	LG/ML	3.9
22	107	900	11:15	2	0.941	A BB	24466.	50.000	LG/ML	3.9
23	107	924	11:33	2	0.967	A BB	24105.	50.000	LG/ML	3.9
24	107	938	11:43	2	0.981	A BB	26075.	50.000	LG/ML	3.9
25	107	956	11:57	1	1.333	A BB	31011.	50.000	LG/ML	3.9
26	142	1119	13:59	2	1.171	A BB	52711.	50.000	LG/ML	3.9

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:10	1.00	0.466	1.00	50.00	50.00	1.740	1.740	1.00
5	4:12	1.00	0.469	1.00	50.00	50.00	1.820	1.820	1.00
6	5:22	1.00	0.600	1.00	50.00	50.00	1.751	1.751	1.00
7	6:11	1.00	0.690	1.00	50.00	50.00	1.730	1.730	1.00
8	6:35	1.00	0.735	1.00	50.00	50.00	1.910	1.910	1.00
9	6:58	1.00	0.778	1.00	50.00	50.00	2.227	2.227	1.00
10	7:25	1.00	0.828	1.00	50.00	50.00	1.645	1.645	1.00
11	7:41	1.00	0.858	1.00	50.00	50.00	1.736	1.736	1.00
12	7:57	1.00	0.887	1.00	50.00	50.00	1.204	1.204	1.00
13	8:03	1.00	0.898	1.00	50.00	50.00	1.346	1.346	1.00
14	8:18	1.00	0.926	1.00	50.00	50.00	1.489	1.489	1.00
15	8:46	1.00	0.978	1.00	50.00	50.00	1.486	1.486	1.00
16	9:08	1.00	1.020	1.00	50.00	50.00	2.060	2.060	1.00
17	9:19	1.00	1.039	1.00	50.00	50.00	1.428	1.428	1.00
18	10:00	1.00	1.116	1.00	50.00	50.00	1.459	1.459	1.00
19	10:17	1.00	1.148	1.00	50.00	50.00	0.477	0.477	1.00
20	10:22	1.00	1.156	1.00	50.00	50.00	1.082	1.082	1.00
21	10:36	1.00	1.183	1.00	50.00	50.00	1.195	1.195	1.00
22	11:15	1.00	0.941	1.00	50.00	50.00	0.332	0.332	1.00
23	11:33	1.00	0.967	1.00	50.00	50.00	0.327	0.327	1.00
24	11:43	1.00	0.981	1.00	50.00	50.00	0.354	0.354	1.00
25	11:57	1.00	1.333	1.00	50.00	50.00	1.618	1.618	1.00
26	13:59	1.00	1.171	1.00	50.00	50.00	0.715	0.715	1.00

Quantitation Report File: STDR008

Data: STDR008.TI
06/03/88 12:22:00
Sample: 50PPM PYRIDINE STD 10/26/87
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	PYRIDINE-D5	84	S1# 04	
5	PYRIDINE	79	S1# 20	110-86-1
6	2-PICOLINE	93	S1# 30	109-06-8
7	3 & 4-PICOLINE	93	S1# 62	
8	2,6-LUTIDINE	107	S1# 64	
9	2-ETHYL PYRIDINE	106	S1# 73	
10	2,4 & 2,5-LUTIDINE	107	S1# 83	
11	2,3-LUTIDINE	107	S1# 87	
12	3-ETHYL PYRIDINE	107	S1# 88	
13	4-ETHYL PYRIDINE	107	S1# 89	
14	3,5-LUTIDINE	107	S1# 92	
15	3,4-LUTIDINE	107	S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
20	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Height)	Amount		%Tot
1	152	716	8:57	1	1.000	A BV	3110-.	40.000	LG/ML	3.1[illegible]
2	136	955	11:56	2	1.000	A BB	123256.	40.000	LG/ML	3.1[illegible]
3	164	1312	16:24	3	1.000	A BB	59815.	40.000	LG/ML	3.1[illegible]
4	84	332	4:09	1	0.464	A BB	70161.	51.647	LG/ML	4.0[illegible]
5	79	334	4:10	1	0.466	A BB	68[illegible].	48.606	LG/ML	3.8[illegible]
6	93	429	5:22	1	0.599	A BB	6886[illegible].	50.544	LG/ML	3.9[illegible]
7	93	494	6:10	1	0.690	A BB	67664[illegible].	50.294	LG/ML	3.9[illegible]
8	107	525	6:34	1	0.733	A BB	75119[illegible].	50.562	LG/ML	3.9[illegible]
9	106	557	6:58	1	0.778	A BB	67048[illegible].	50.275	LG/ML	3.9[illegible]
10	107	593	7:25	1	0.828	A BB	64821[illegible].	50.691	LG/ML	3.9[illegible]
11	107	614	7:40	1	0.858	A BB	68645[illegible].	50.851	LG/ML	3.9[illegible]
12	107	635	7:56	1	0.887	A BV	47137[illegible].	50.321	LG/ML	3.9[illegible]
13	107	643	8:02	1	0.898	A VB	55387[illegible].	53.901	LG/ML	4.1[illegible]
14	107	662	8:16	1	0.925	A BB	59948[illegible].	51.767	LG/ML	4.0[illegible]
15	107	700	8:45	1	0.978	A BB	60405[illegible].	52.281	LG/ML	4.1[illegible]
16	106	730	9:07	1	1.020	A BB	77866[illegible].	48.616	LG/ML	3.8[illegible]
17	106	744	9:18	1	1.039	A VB	5538[illegible].	49.862	LG/ML	3.9[illegible]

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	799	9:59	1	1.116	A BB	59785.	52.696	UG/ML	4.14
19	106	822	10:16	1	1.148	A BV	14245.	36.436	UG/ML	3.00
20	106	827	10:20	1	1.155	A VB	46797.	55.595	UG/ML	4.36
21	122	847	10:35	1	1.183	A BB	48916.	52.663	UG/ML	4.13
22	107	898	11:13	2	0.940	A BB	49376.	48.297	UG/ML	3.79
23	107	922	11:31	2	0.965	A BB	49511.	49.144	UG/ML	3.86
24	107	937	11:43	2	0.981	A BB	52599.	48.275	UG/ML	3.79
25	107	955	11:56	1	1.334	A BB	62442.	49.611	UG/ML	3.89
26	142	1118	13:58	2	1.171	A BB	109797.	49.847	UG/ML	3.91

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:10	0.99	0.466	1.00	51.84	50.00	1.805	1.740	1.04
5	4:12	0.99	0.469	1.00	48.61	50.00	1.769	1.820	0.97
6	5:22	1.00	0.600	1.00	50.54	50.00	1.770	1.751	1.01
7	6:11	1.00	0.690	1.00	50.29	50.00	1.740	1.730	1.01
8	6:35	1.00	0.735	1.00	50.56	50.00	1.932	1.910	1.01
9	6:58	1.00	0.778	1.00	50.28	50.00	2.239	2.227	1.01
10	7:25	1.00	0.828	1.00	50.69	50.00	1.667	1.645	1.01
11	7:41	1.00	0.858	1.00	50.85	50.00	1.766	1.736	1.02
12	7:57	1.00	0.887	1.00	50.32	50.00	1.212	1.204	1.01
13	8:03	1.00	0.898	1.00	52.90	50.00	1.424	1.346	1.06
14	8:18	1.00	0.926	1.00	51.77	50.00	1.542	1.489	1.04
15	8:46	1.00	0.978	1.00	52.28	50.00	1.554	1.486	1.05
16	9:08	1.00	1.020	1.00	48.62	50.00	2.003	2.060	0.97
17	9:19	1.00	1.039	1.00	49.86	50.00	1.424	1.428	1.00
18	10:00	1.00	1.116	1.00	52.70	50.00	1.538	1.459	1.05
19	10:17	1.00	1.148	1.00	38.44	50.00	0.366	0.477	0.77
20	10:22	1.00	1.156	1.00	55.60	50.00	1.204	1.082	1.11
21	10:36	1.00	1.183	1.00	52.66	50.00	1.258	1.195	1.05
22	11:15	1.00	0.941	1.00	48.30	50.00	0.320	0.332	0.97
23	11:33	1.00	0.967	1.00	49.14	50.00	0.321	0.327	0.98
24	11:43	1.00	0.981	1.00	48.27	50.00	0.341	0.354	0.97
25	11:57	1.00	1.333	1.00	49.61	50.00	1.606	1.618	0.99
26	13:59	1.00	1.171	1.00	49.85	50.00	0.713	0.715	1.00

RMAL QUANTITATION SUMMARY FILE: STDR008
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/L AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	716	1	11104.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	955	2	113256.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1312	3	59615.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	332	1	70161.	1.805	51.643
5	S1# 20	PYRIDINE	79	334	1	48773.	1.769	46.606
6	S1# 30	2-PICOLINE	93	429	1	58807.	1.770	50.544
7	S1# 62	3 & 4-PICOLINE	93	494	1	57665.	1.740	50.294
8	S1# 64	2,6-LUTIDINE	107	525	1	75115.	1.932	50.562
9	S1# 73	2-ETHYL PYRIDINE	106	557	1	57048.	2.139	50.175
10	S1# 83	2,4 & 2,5-LUTIDINE	107	593	1	64824.	1.667	50.691
11	S1# 87	2,3-LUTIDINE	107	614	1	58645.	1.666	50.651
12	S1# 88	3-ETHYL PYRIDINE	107	635	1	67130.	1.912	50.[illegible]
13	S1# 89	4-ETHYL PYRIDINE	107	643	1	55381.	1.724	52.[illegible]
14	S1# 92	3,5-LUTIDINE	107	662	1	59946.	1.842	51.761
15	S1#122	3,4-LUTIDINE	107	700	1	60405.	1.854	52.[illegible]
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	730	1	57868.	1.803	48.[illegible]
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	744	1	55384.	1.724	49.[illegible]
18	S1#187	M AND P CRESOLS	108	799	1	59765.	1.838	52.696
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	822	1	44245.	0.866	38.436
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	827	1	66793.	1.404	58.595
21	S1#204	2,6-DIMETHYL PHENOL	122	847	1	68918.	1.[illegible]58	52.[illegible]
22	S2# 27	2,5-DIMETHYL PHENOL	107	898	2	49376.	0.[illegible]20	48.[illegible]
23	S2# 37	3,5-DIMETHYL PHENOL	107	922	2	49510.	0.[illegible]21	49.[illegible]
24	S2# 47	2,3-DIMETHYL PHENOL	107	937	2	42599.	0.[illegible]41	46.[illegible]
25	S2# 57	3,4-DIMETHYL PHENOL	107	955	1	62424.	1.606	49.[illegible]
26	S2#150	1-METHYLNAPHTHALENE	142	1118	2	109793.	0.913	49.[illegible]

Quantitation Report File: STDR008

Data: STDR008.TI
06/03/88 12:22:00
Sample: 50PPM PYRIDINE STD 10/26/87
Conds.: ST
Formula: AUTO INJ Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: MK Acct. No :

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164	IS3# 01	5067-26-2
4	PYRIDINE-D5	84	S1# 04	
5	PYRIDINE	79	S1# 20	110-86-1
6	2-PICOLINE	93	S1# 30	109-06-8
7	3 & 4-PICOLINE	93	S1# 62	
8	2,6-LUTIDINE	107	S1# 64	
9	2-ETHYL PYRIDINE	106	S1# 73	
10	2,4 & 2,5-LUTIDINE	107	S1# 83	
11	2,3-LUTIDINE	107	S1# 87	
12	3-ETHYL PYRIDINE	107	S1# 88	
13	4-ETHYL PYRIDINE	107	S1# 89	
14	3,5-LUTIDINE	107	S1# 92	
15	3,4-LUTIDINE	107	S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
20	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Height)	Amount	%Tot
1	152	716	8:57	1	1.000	A BV	3110[illegible]	40.000 UG/ML	3.15
2	136	955	11:56	2	1.000	A BB	12325[illegible]	40.000 UG/ML	3.15
3	164	1312	16:24	3	1.000	A BB	59615[illegible]	40.000 UG/ML	3.15
4	84	332	4:09	1	0.464	A BB	7016[illegible]	50.000 UG/ML	3.94
5	79	334	4:10	1	0.466	A BB	68777[illegible]	50.000 UG/ML	3.94
6	93	429	5:22	1	0.599	A BB	68607[illegible]	50.000 UG/ML	3.94
7	93	494	6:10	1	0.690	A BB	67665[illegible]	50.000 UG/ML	3.94
8	107	525	6:34	1	0.733	A BB	75115[illegible]	50.000 UG/ML	3.94
9	106	557	6:58	1	0.778	A BB	87043[illegible]	50.000 UG/ML	3.94
10	107	593	7:25	1	0.828	A BB	64612[illegible]	50.000 UG/ML	3.94
11	107	614	7:40	1	0.858	A BB	68648[illegible]	50.000 UG/ML	3.94
12	107	635	7:56	1	0.887	A BV	47138[illegible]	50.000 UG/ML	3.94
13	107	643	8:02	1	0.898	A VB	55381[illegible]	50.000 UG/ML	3.94
14	107	662	8:16	1	0.925	A BB	59946[illegible]	50.000 UG/ML	3.94
15	107	700	8:45	1	0.978	A BB	60405[illegible]	50.000 UG/ML	3.94
16	106	730	9:07	1	1.020	A BB	77865[illegible]	50.000 UG/ML	3.94
17	106	744	9:18	1	1.039	A VB	55328[illegible]	50.000 UG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Height	Amount		%Tot
18	108	799	9:59	1	1.116	A BB	59781.	50.000	UG/ML	3.94
19	106	822	10:16	1	1.148	A BV	14245.	50.000	UG/ML	3.94
20	106	827	10:20	1	1.155	A VB	46792.	50.000	UG/ML	3.94
21	122	847	10:35	1	1.183	A BB	48915.	50.000	UG/ML	3.94
22	107	898	11:13	2	0.940	A BB	49376.	50.000	UG/ML	3.94
23	107	922	11:31	2	0.965	A BB	49511.	50.000	UG/ML	3.94
24	107	937	11:43	2	0.981	A BB	52559.	50.000	UG/ML	3.94
25	107	955	11:56	1	1.334	A BB	62424.	50.000	UG/ML	3.94
26	142	1118	13:58	2	1.171	A BB	109793.	50.000	UG/ML	3.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.F	c(L)	Ratio
1	8:57	1.00	1.000	1.00	40.00	40.00	1.000	1	000	1.00
2	11:56	1.00	1.000	1.00	40.00	40.00	1.000	1	000	1.00
3	16:24	1.00	1.000	1.00	40.00	40.00	1.000	1	000	1.00
4	4:09	1.00	0.464	1.00	50.00	50.00	1.805	1	805	1.00
5	4:10	1.00	0.466	1.00	50.00	50.00	1.769	1	769	1.00
6	5:22	1.00	0.599	1.00	50.00	50.00	1.770	1	770	1.00
7	6:10	1.00	0.690	1.00	50.00	50.00	1.740	1	740	1.00
8	6:34	1.00	0.733	1.00	50.00	50.00	1.932	1	932	1.00
9	6:58	1.00	0.778	1.00	50.00	50.00	2.239	2	239	1.00
10	7:25	1.00	0.828	1.00	50.00	50.00	1.667	1	667	1.00
11	7:40	1.00	0.858	1.00	50.00	50.00	1.766	1	766	1.00
12	7:56	1.00	0.887	1.00	50.00	50.00	1.212	1	212	1.00
13	8:02	1.00	0.898	1.00	50.00	50.00	1.424	1	424	1.00
14	8:16	1.00	0.925	1.00	50.00	50.00	1.542	1	542	1.00
15	8:45	1.00	0.978	1.00	50.00	50.00	1.554	1	554	1.00
16	9:07	1.00	1.020	1.00	50.00	50.00	2.003	2	003	1.00
17	9:18	1.00	1.039	1.00	50.00	50.00	1.424	1	424	1.00
18	9:59	1.00	1.116	1.00	50.00	50.00	1.538	1	538	1.00
19	10:16	1.00	1.148	1.00	50.00	50.00	0.366	0	366	1.00
20	10:20	1.00	1.155	1.00	50.00	50.00	1.204	1	204	1.00
21	10:35	1.00	1.183	1.00	50.00	50.00	1.258	1	258	1.00
22	11:13	1.00	0.940	1.00	50.00	50.00	0.320	0	320	1.00
23	11:31	1.00	0.965	1.00	50.00	50.00	0.321	0	321	1.00
24	11:43	1.00	0.981	1.00	50.00	50.00	0.341	0	341	1.00
25	11:56	1.00	1.334	1.00	50.00	50.00	1.606	1	606	1.00
26	13:58	1.00	1.171	1.00	50.00	50.00	0.713	0	713	1.00

FINAL QUANTITATION SUMMARY - FILE: STER008
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RF	UNITS: UG/ML AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	716	1	1104.	1.00	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	955	2	1.3256.	1.00	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1011	3	9815.	1.00	40.000
4	S1# 4	PYRIDINE-D5	84	332	1	10161.	1.05	50.000
5	S1# 20	PYRIDINE	79	334	1	8773.	1.69	50.000
6	S1# 30	2-PICOLINE	93	429	1	18607.	1.70	50.000
7	S1# 62	3 & 4-PICOLINE	93	494	1	16765.	1.40	50.000
8	S1# 64	2,6-LUTIDINE	107	525	1	5115.	1.39	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	551	1	7048.	1.39	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	593	1	14824.	1.67	50.000
11	S1# 87	2,3-LUTIDINE	107	614	1	8645.	1.66	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	635	1	7130.	1.42	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	643	1	5381.	1.24	50.000
14	S1# 92	3,5-LUTIDINE	107	662	1	9748.	1.42	50.000
15	S1#122	3,4-LUTIDINE	107	700	1	10405.	1.54	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	730	1	7666.	1.00	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	744	1	5384.	1.24	50.000
18	S1#187	M AND P CRESOLS	108	799	1	9785.	1.38	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	820	1	4245.	0.66	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	827	1	6793.	1.04	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	847	1	6918.	1.56	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	896	2	9376.	1.20	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	923	2	9510.	1.21	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	937	2	5259.	1.41	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	955	1	12424.	1.06	50.000
26	S2#150	1-METHYLNAPHTHALENE	142	1118	2	1 9793.	0.13	50.000

6/3/88 16:45:12 SCAN 1 OF 2800
Acquisition started

Acquire
06/03/88 16:45:00 + 0:07
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula:
Submitted by: RMAL

Run 0:STDU558
Free sectors: 24409
Instrument: 4500
Analyst: KS

ACQUIRING
Scan: 10 of 2800
Weight: 0.000
Acct. No:

********** GC PARAMETERS **********

Loaded GC Desc:ST Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 7 min Int.oven : 260 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	40.5	0.0
3	325 - 325	-	10.0	40.5			
4	325 - 325	-	0.0	40.5			

********** SCAN PARAMETERS **********

Low mass: 35
High mass: 500

Up: 0.70 L*
Down: 0.00 L

Top: 0.00
Bottom: 0.05

Cent S/P: 10 Actual: 10
Frag S/P: 10 Actual: 10

Samp Int (ms): 0.150
Samp Int (ms): 0.150

Peak Width: 1000.
Inten/ion: 2

Min Peak Width: 3
ADC Threshold: 1

Min Frag Width %: 80
Baseline: 0

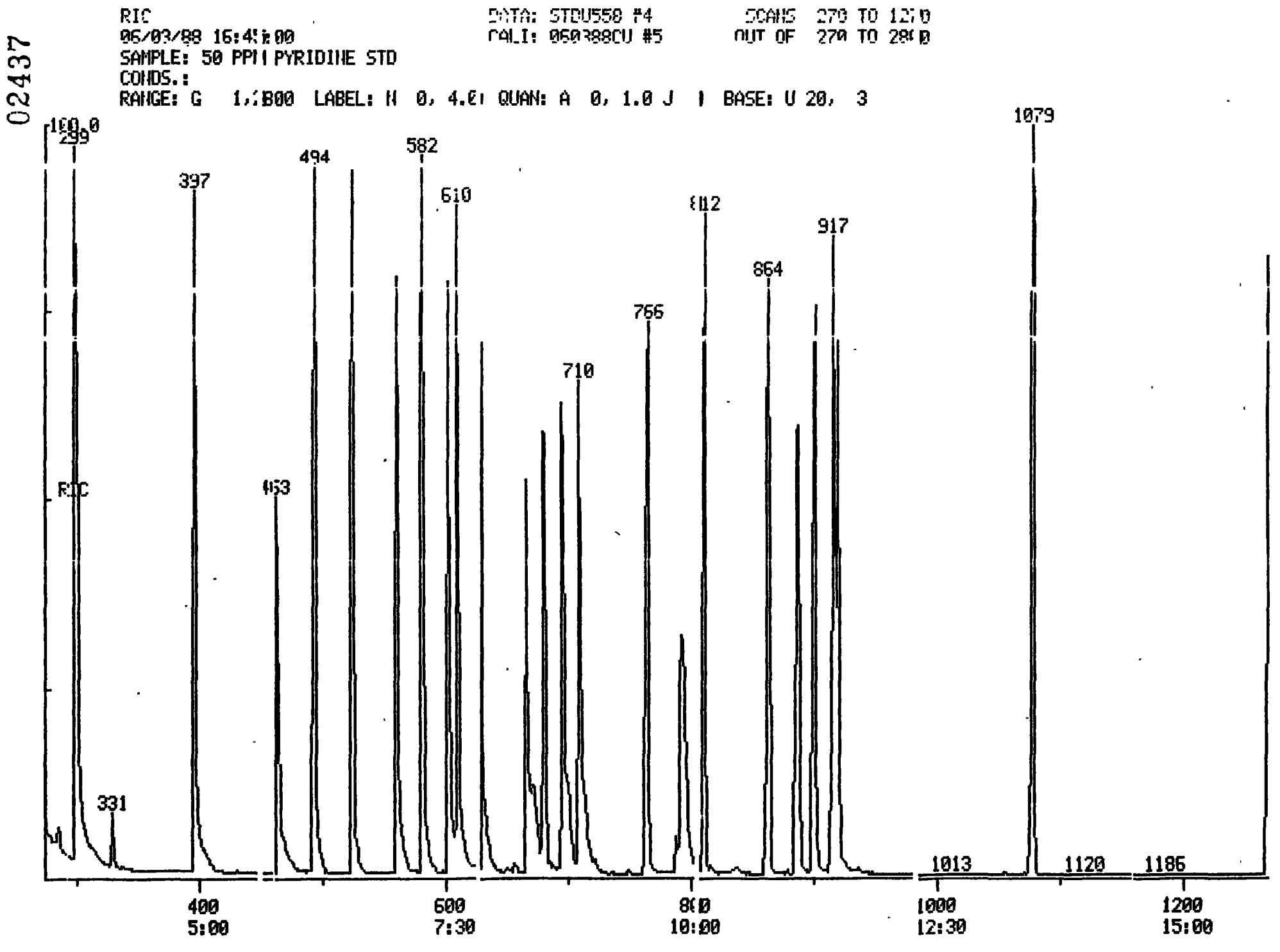
Min Area: 30

***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/3/88 17:20:15
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	173.5	2100.0	8.3	28446.	10. 14.


02437
RIC
06/03/88 16:4[illegible]:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,[illegible]800 LABEL: N 0, 4.0[illegible] QUAN: A 0, 1.0 J 1 BASE: U 20, 3
DATA: STDU550 #4 SCANS 270 TO 12[illegible]0
CALI: 060388CU #5 OUT OF 270 TO 28[illegible]0
100.0
299
331
397
453
494
582
610
710
766
812
864
917
1079
1013
1120
1186
RIC
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

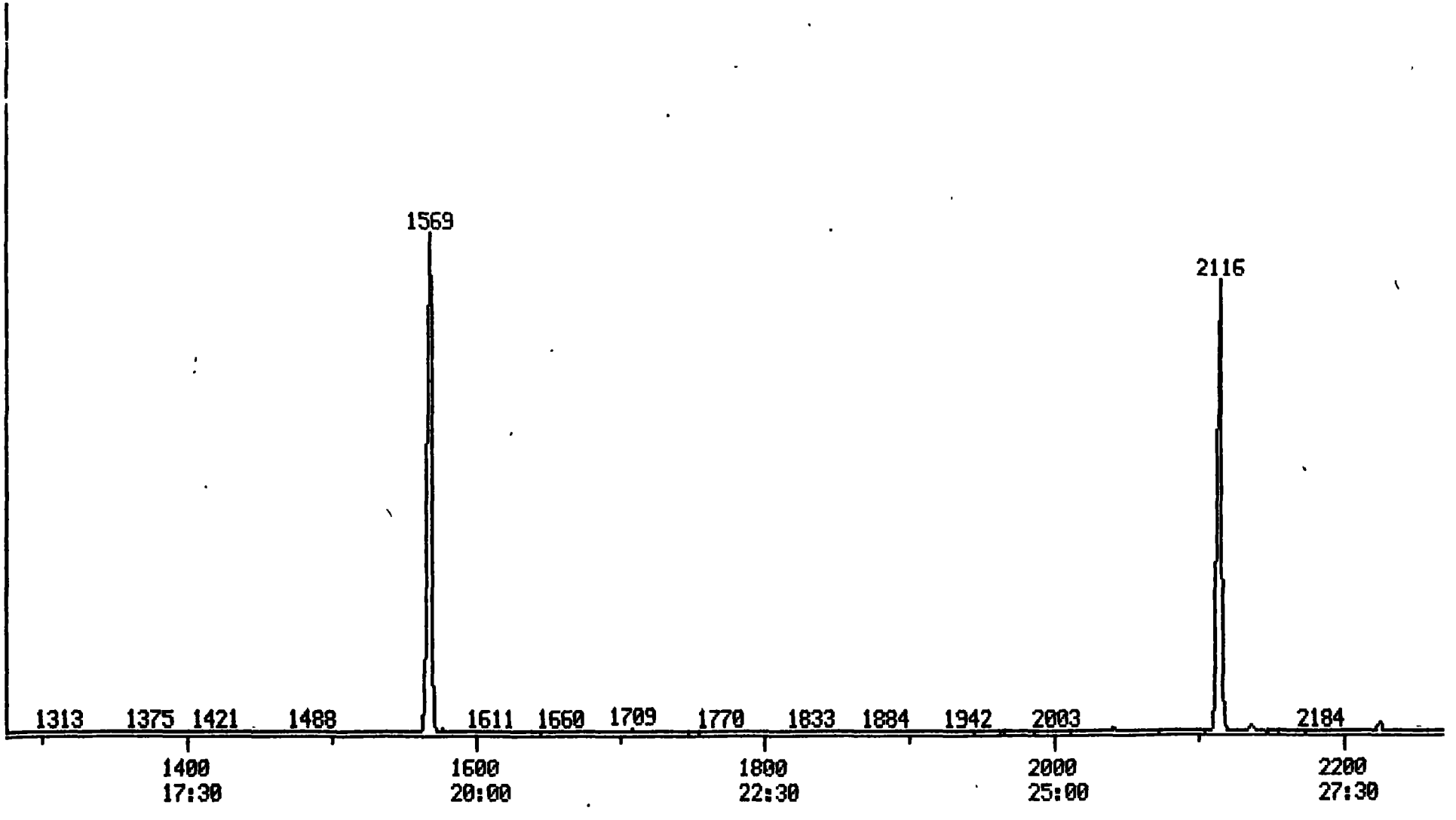
02438

RIC
06/03/88 16:45:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU550 #1
CALI: 060388CU #5

SCANS 1270 TO 2270
OUT OF 270 TO 2800

100.0



02439

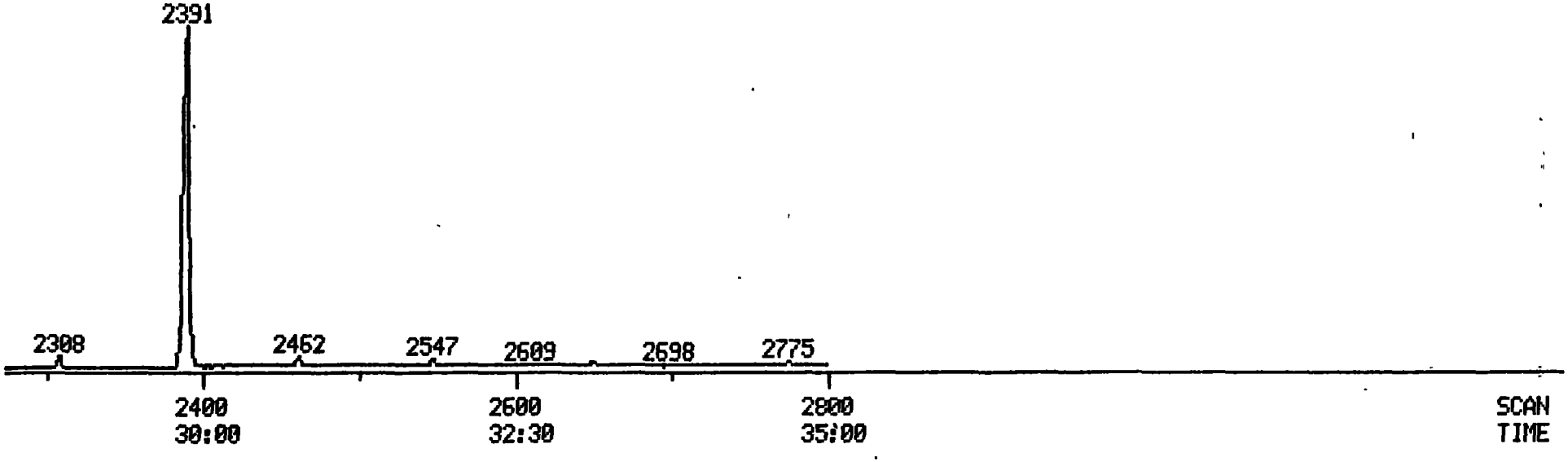
RIC
06/03/88 16:45:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU550 #4
CALI: 060388CU #5

SCANS 2270 TO 2800
OUT OF 270 TO 2800

100.0

122240.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/03/88 17:22:47
DATA FILE: STDU358
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	13	13	16	64	ISO1/TCO1
3	3	1	0	14	14	4	89	ISO2/TCO2

26 COMPOUNDS PROCESSED, 26 FOUND

COMPOUND			SEARCH						SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-681	681	681	.	1	959	.	152	681	.	1
2	S1	4	-301	299	299	.	1	974	.	84	299	.	1
3	S1	20	-303	301	301	.	1	995	.	79	301	.	1
4	S1	30	-399	397	397	.	1	990	.	93	397	.	1
5	S1	62	-465	463	462	-1	1	992	.	93	462	.	1
6	S1	64	-495	494	494	.	1	950	.	107	494	.	1
7	S1	73	-526	525	525	.	1	989	.	106	525	.	1
8	S1	83	-562	561	561	.	1	990	.	107	561	.	1
9	S1	87	-583	582	582	.	1	983	.	107	582	.	1
10	S1	88	-603	602	602	.	2	990	.	107	602	.	1
11	S1	89	-611	610	610	.	2	982	.	107	610	.	1
12	S1	92	-630	629	629	.	2	992	.	107	629	.	1
13	S1	122	-668	667	666	-1	2	988	.	107	666	.	1
14	S2	1	-917	917	917	.	1	997	.	136	917	.	1
15	S3	1	-1270	1270	1270	.	1	997	.	164	1270	.	1
16	S1	137	-697	697	696	-1	1	991	.	106	696	.	1
17	S1	142	-711	711	710	-1	1	958	.	106	710	.	1
18	S1	187	-764	764	766	2	1	921	.	108	766	.	1
19	S1	203	-792	792	793	1	2	988	.	106	793	.	1
20	S1	202	-792	792	793	1	2	988	.	106	793	.	1
21	S1	204	-812	812	812	.	1	987	.	122	812	.	1
22	S2	27	-864	864	864	.	1	991	.	107	864	.	1
23	S2	37	-888	888	888	.	1	994	.	107	889	1	1
24	S2	47	-902	902	902	.	1	985	.	107	902	.	1
25	S2	57	-920	920	921	1	1	992	.	107	921	.	1
26	S2	150	-1080	1080	1079	-1	1	987	.	142	1079	.	1

Quantitation Report File: STDU558

Data: STDU558.TI
06/03/88 16:45:00
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	PYRIDINE-D5	84	S1# 04	
3	PYRIDINE	79	S1# 20	110-86-1
4	2-PICOLINE	93	S1# 30	109-06-8
5	3 & 4-PICOLINE	93	S1# 62	
6	2,6-LUTIDINE	107	S1# 64	
7	2-ETHYL PYRIDINE	106	S1# 73	
8	2,4 & 2,5-LUTIDINE	107	S1# 83	
9	2,3-LUTIDINE	107	S1# 87	
10	3-ETHYL PYRIDINE	107	S1# 88	
11	4-ETHYL PYRIDINE	107	S1# 89	
12	3,5-LUTIDINE	107	S1# 92	
13	3,4-LUTIDINE	107	S1#122	
14	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
15	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
20	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
21	2,6-DIMETHYL PHENOL	122	S1#204	
22	2,5-DIMETHYL PHENOL	107	S2# 27	
23	3,5-DIMETHYL PHENOL	107	S2# 37	
24	2,3-DIMETHYL PHENOL	107	S2# 47	
25	3,4-DIMETHYL PHENOL	107	S2# 57	
26	1-METHYLNAPHTHALENE	142	S2#150	90-12-0

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	681	8:31	1	1.000	A BB	28123.	40.000	UG/ML	2.98
2	84	299	3:44	1	0.439	A BB	62673.	70.797	UG/ML	5.26
3	79	301	3:46	1	0.442	A BB	53955.	47.794	UG/ML	3.57
4	93	397	4:58	1	0.583	A BB	50633.	45.062	UG/ML	3.36
5	93	462	5:46	1	0.678	A BB	57318.	59.918	UG/ML	4.47
6	107	494	6:10	1	0.725	A BB	64256.	47.249	UG/ML	3.53
7	106	525	6:34	1	0.771	A BB	76097.	48.203	UG/ML	3.60
8	107	561	7:01	1	0.824	A BB	54469.	48.039	UG/ML	3.58
9	107	582	7:16	1	0.855	A BB	59481.	50.202	UG/ML	3.75
10	107	602	7:31	1	0.884	A BV	41824.	48.413	UG/ML	3.61
11	107	610	7:37	1	0.896	A VB	43007.	54.874	UG/ML	4.09
12	107	629	7:52	1	0.924	A BB	49786.	55.145	UG/ML	4.11
13	107	666	8:19	1	0.978	A BB	48506.	55.386	UG/ML	4.13
14	136	917	11:28	14	1.000	A BB	104386.	40.000	UG/ML	2.98
15	164	1270	15:52	15	1.000	A BB	56200.	40.000	UG/ML	2.98
16	106	696	8:42	1	1.022	A BB	66541.	50.924	UG/ML	3.80
17	106	710	8:52	1	1.043	A VB	45999.	52.969	UG/ML	3.95

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	766	9:34	1	1.125	A BB	49058.	54.719	UG/ML	4.08
19	106	793	9:55	1	1.164	A BB	53104.	55.567	UG/ML	4.15
20	106	793	9:55	1	1.164	A BB	53104.	55.567	UG/ML	4.15
21	122	812	10:09	1	1.192	A BB	42334.	52.541	UG/ML	3.92
22	107	864	10:48	14	0.942	A BV	43575.	51.962	UG/ML	3.88
23	107	889	11:07	14	0.969	A BB	44083.	52.269	UG/ML	3.90
24	107	902	11:16	14	0.984	A BB	46687.	52.579	UG/ML	3.92
25	107	921	11:31	1	1.352	A BB	56021.	55.403	UG/ML	4.13
26	142	1079	13:29	14	1.177	A BB	95984.	54.752	UG/ML	4.08

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	3:46	0.99	0.442	0.99	70.80	50.00	1.783	1.259	1.42
3	3:47	0.99	0.445	0.99	47.79	50.00	1.535	1.606	0.96
4	4:58	1.00	0.584	1.00	45.06	50.00	1.440	1.598	0.90
5	5:48	1.00	0.681	1.00	59.92	50.00	1.630	1.361	1.20
6	6:10	1.00	0.725	1.00	47.25	50.00	1.828	1.934	0.94
7	6:34	1.00	0.771	1.00	48.20	50.00	2.165	2.245	0.96
8	7:01	1.00	0.824	1.00	48.04	50.00	1.549	1.613	0.96
9	7:16	1.00	0.855	1.00	50.20	50.00	1.692	1.685	1.00
10	7:31	1.00	0.884	1.00	48.41	50.00	1.190	1.229	0.97
11	7:37	1.00	0.896	1.00	54.87	50.00	1.223	1.115	1.10
12	7:52	1.00	0.924	1.00	55.14	50.00	1.416	1.284	1.10
13	8:20	1.00	0.979	1.00	55.39	50.00	1.380	1.246	1.11
14	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	15:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:42	1.00	1.022	1.00	50.92	50.00	1.893	1.859	1.02
17	8:52	1.00	1.043	1.00	52.97	50.00	1.309	1.235	1.06
18	9:32	1.00	1.120	1.00	54.72	50.00	1.396	1.275	1.09
19	9:53	1.00	1.162	1.00	55.57	50.00	1.511	1.359	1.11
20	9:53	1.00	1.162	1.00	55.57	50.00	1.511	1.359	1.11
21	10:08	1.00	1.191	1.00	52.54	50.00	1.204	1.146	1.05
22	10:46	1.00	0.941	1.00	51.96	50.00	0.334	0.321	1.04
23	11:04	1.00	0.967	1.00	52.27	50.00	0.338	0.323	1.05
24	11:15	1.00	0.983	1.00	52.58	50.00	0.358	0.340	1.05
25	11:29	1.00	1.349	1.00	55.40	50.00	1.594	1.438	1.11
26	13:28	1.00	1.177	1.00	54.75	50.00	0.736	0.672	1.10

[illegible]

RMAL QUANTITATION SUMMARY FILE: STDU338
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1# 1	CI3O 1,4-DICHLOROBENZENE	152	681	1	28123.	1.000	40.000
2	S2# 1	CI4O NAPHTHALENE-D8	136	917	2	104388.	1.000	40.000
3	S3# 1	CI5O ACENAPHTHENE-D10	164	1270	3	56200.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	299	1	62673.	1.783	70.797
5	S1# 20	PYRIDINE	79	301	1	53953.	1.535	47.794
6	S1# 30	2-PICOLINE	93	397	1	50633.	1.440	45.062
7	S1# 62	3 & 4-PICOLINE	93	462	1	67318.	1.630	59.918
8	S1# 64	2,6-LUTIDINE	107	494	1	54258.	1.628	47.249
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	76097.	2.165	48.202
10	S1# 83	2,4 & 2,5-LUTIDINE	107	561	1	54469.	1.549	48.039
11	S1# 87	2,3-LUTIDINE	107	582	1	59481.	1.692	50.202
12	S1# 88	3-ETHYL PYRIDINE	107	602	1	41824.	1.190	48.413
13	S1# 89	4-ETHYL PYRIDINE	107	610	1	43007.	1.223	54.674
14	S1# 92	3,5-LUTIDINE	107	629	1	49786.	1.416	55.145
15	S1#122	3,4-LUTIDINE	107	666	1	48506.	1.380	55.386
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	696	1	66541.	1.893	50.924
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	710	1	45999.	1.309	52.969
18	S1#187	M AND P CRESOLS	108	766	1	49058.	1.396	54.720
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	793	1	53104.	1.511	55.567
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	793	1	53104.	1.511	55.567
21	S1#204	2,6-DIMETHYL PHENOL	122	812	1	42334.	1.204	52.541
22	S2# 27	2,5-DIMETHYL PHENOL	107	864	2	43575.	0.334	51.962
23	S2# 37	3,5-DIMETHYL PHENOL	107	889	2	44083.	0.338	52.269
24	S2# 47	2,3-DIMETHYL PHENOL	107	902	2	46687.	0.358	52.579
25	S2# 57	3,4-DIMETHYL PHENOL	107	921	1	56021.	1.594	55.403
26	S2#150	1-METHYLNAPHTHALENE	142	1079	2	95984.	0.736	54.752

Quantitation Report File: STDU558

Data: STDU558.TI
06/03/88 16:45:00
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1	
2	CI40 NAPHTHALENE-D8	136IS2# 01	1146-65-2	
3	CI50 ACENAPHTHENE-D10	164IS3# 01	15067-26-2	
4	PYRIDINE-D5	84 S1# 04		
5	PYRIDINE	79 S1# 20	110-86-1	
6	2-PICOLINE	93 S1# 30	109-06-8	
7	3 & 4-PICOLINE	93 S1# 62		
8	2,6-LUTIDINE	107 S1# 64		
9	2-ETHYL PYRIDINE	106 S1# 73		
10	2,4 & 2,5-LUTIDINE	107 S1# 83		
11	2,3-LUTIDINE	107 S1# 87		
12	3-ETHYL PYRIDINE	107 S1# 88		
13	4-ETHYL PYRIDINE	107 S1# 89		
14	3,5-LUTIDINE	107 S1# 92		
15	3,4-LUTIDINE	107 S1#122		
16	2-METHYL-5-ETHYL PYRIDINE	106 S1#137		
17	2-METHYL-3-ETHYL PYRIDINE	106 S1#142		
18	M AND P CRESOLS	108 S2#187		
19	3-ETHYL-5-METHYL PYRIDINE	106 S1#203		
20	2,6-DIMETHYL PHENOL	122 S1#204		
21	2,5-DIMETHYL PHENOL	107 S2# 27		
22	3,5-DIMETHYL PHENOL	107 S2# 37		
23	2,3-DIMETHYL PHENOL	107 S2# 47		
24	3,4-DIMETHYL PHENOL	107 S2# 57		
25	1-METHYLNAPHTHALENE	142 S2#150	90-12-0	
26	3-ETHYL-4-METHYL PYRIDINE	106 S1#202		

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Height)	Amount		%Tot
1	152	681	8:31	1	1.000	A BB	28123.	40.000	UG/ML	3.32
2	136	917	11:28	2	1.000	A BB	104388.	40.000	UG/ML	3.32
3	164	1270	15:52	3	1.000	A BB	56200.	40.000	UG/ML	3.32
4	84	299	3:44	1	0.439	A BB	62675.	51.217	UG/ML	4.25
5	79	301	3:46	1	0.442	A BB	53953.	42.174	UG/ML	3.50
6	93	397	4:58	1	0.583	A BB	50632.	41.137	UG/ML	3.41
7	93	462	5:46	1	0.678	A BB	57318.	47.120	UG/ML	3.91
8	107	494	6:10	1	0.725	A BB	64258.	47.640	UG/ML	3.97
9	106	525	6:34	1	0.771	A BB	76097.	48.609	UG/ML	4.03
10	107	561	7:01	1	0.824	A BB	54465.	47.106	UG/ML	3.91
11	107	582	7:16	1	0.855	A BB	59481.	48.733	UG/ML	4.04
12	107	602	7:31	1	0.884	A BV	41823.	49.391	UG/ML	4.10
13	107	610	7:37	1	0.896	A VB	43007.	45.436	UG/ML	3.77
14	107	629	7:52	1	0.924	A BB	49786.	47.549	UG/ML	3.94
15	107	666	8:19	1	0.978	A BB	48506.	46.432	UG/ML	3.85
16	106	696	8:42	1	1.022	A BB	66541.	45.948	UG/ML	3.81
17	106	710	8:52	1	1.043	A VB	45995.	45.803	UG/ML	3.80

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	766	9:34	1	1.125	A BB	49058.	47.825	UG/ML	3.97
19	106	793	9:55	1	1.164	A BB	53104.	69.781	UG/ML	5.79
20	122	812	10:09	1	1.192	A BB	42334.	50.406	UG/ML	4.18
21	107	864	10:48	2	0.942	A BV	43575.	50.328	UG/ML	4.17
22	107	889	11:07	2	0.969	A BB	44083.	51.666	UG/ML	4.28
23	107	902	11:16	2	0.984	A BB	46687.	50.593	UG/ML	4.20
24	107	921	11:31	1	1.352	A BB	56021.	49.243	UG/ML	4.08
25	142	1079	13:29	2	1.177	A BB	95984.	51.454	UG/ML	4.27
26	106	789	9:52	1	1.159	M XX	3344.	9.979	UG/ML	0.83

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:58	0.95	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:57	0.96	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:25	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:10	0.90	0.466	0.94	51.22	50.00	1.783	1.740	1.02
5	4:12	0.90	0.469	0.94	42.17	50.00	1.535	1.820	0.84
6	5:22	0.92	0.600	0.97	41.14	50.00	1.440	1.751	0.82
7	6:11	0.93	0.690	0.98	47.12	50.00	1.630	1.730	0.94
8	6:35	0.94	0.735	0.99	47.84	50.00	1.828	1.910	0.96
9	6:58	0.94	0.778	0.99	48.61	50.00	2.165	2.227	0.97
10	7:25	0.94	0.828	0.99	47.11	50.00	1.549	1.645	0.94
11	7:41	0.95	0.858	1.00	48.73	50.00	1.692	1.736	0.97
12	7:57	0.95	0.887	1.00	49.39	50.00	1.190	1.204	0.99
13	8:03	0.95	0.898	1.00	45.44	50.00	1.223	1.346	0.91
14	8:18	0.95	0.926	1.00	47.55	50.00	1.416	1.489	0.95
15	8:46	0.95	0.978	1.00	46.43	50.00	1.380	1.486	0.93
16	9:08	0.95	1.020	1.00	45.95	50.00	1.893	2.060	0.92
17	9:19	0.95	1.039	1.00	45.80	50.00	1.309	1.428	0.92
18	10:00	0.96	1.116	1.01	47.82	50.00	1.396	1.459	0.96
19	10:22	0.96	1.156	1.01	69.78	50.00	1.511	1.082	1.40
20	10:36	0.96	1.183	1.01	50.41	50.00	1.204	1.195	1.01
21	11:15	0.96	0.941	1.00	50.33	50.00	0.334	0.332	1.01
22	11:33	0.96	0.967	1.00	51.67	50.00	0.338	0.327	1.03
23	11:43	0.96	0.981	1.00	50.59	50.00	0.358	0.354	1.01
24	11:57	0.96	1.333	1.01	49.24	50.00	1.594	1.618	0.98
25	13:59	0.96	1.171	1.01	51.45	50.00	0.736	0.715	1.03
26	10:17	0.96	1.148	1.01	9.98	50.00	0.095	0.477	0.20

Quantitation Report File: STDU558

Data: STDU558.TI
06/03/88 16:45:00
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name			
1	CI30 1,4-DICHLOROBENZENE-D4	152	IS1# 01	3855-82-1
2	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
3	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
4	PYRIDINE-D5	84	S1# 04	
5	PYRIDINE	79	S1# 20	110-86-1
6	2-PICOLINE	93	S1# 30	109-06-8
7	3 & 4-PICOLINE	93	S1# 62	
8	2,6-LUTIDINE	107	S1# 64	
9	2-ETHYL PYRIDINE	106	S1# 73	
10	2,4 & 2,5-LUTIDINE	107	S1# 83	
11	2,3-LUTIDINE	107	S1# 87	
12	3-ETHYL PYRIDINE	107	S1# 88	
13	4-ETHYL PYRIDINE	107	S1# 89	
14	3,5-LUTIDINE	107	S1# 92	
15	3,4-LUTIDINE	107	S1#122	
16	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	
17	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
18	M AND P CRESOLS	108	S2#187	
19	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
20	2,6-DIMETHYL PHENOL	122	S1#204	
21	2,5-DIMETHYL PHENOL	107	S2# 27	
22	3,5-DIMETHYL PHENOL	107	S2# 37	
23	2,3-DIMETHYL PHENOL	107	S2# 47	
24	3,4-DIMETHYL PHENOL	107	S2# 57	
25	1-METHYLNAPHTHALENE	142	S2#150	90-12-0
26	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	681	8:31	1	1.000	A BB	28123.	40.000 LG/ML	3.15
2	136	917	11:28	2	1.000	A BB	104386.	40.000 LG/ML	3.15
3	164	1270	15:52	3	1.000	A BB	56200.	40.000 LG/ML	3.15
4	84	299	3:44	1	0.439	A BB	62673.	50.000 LG/ML	3.94
5	79	301	3:46	1	0.442	A BB	53950.	50.000 LG/ML	3.94
6	93	397	4:58	1	0.583	A BB	50635.	50.000 LG/ML	3.94
7	93	462	5:46	1	0.678	A BB	57318.	50.000 LG/ML	3.94
8	107	494	6:10	1	0.725	A BB	64258.	50.000 LG/ML	3.94
9	106	525	6:34	1	0.771	A BB	76097.	50.000 LG/ML	3.94
10	107	561	7:01	1	0.824	A BB	54466.	50.000 LG/ML	3.94
11	107	582	7:16	1	0.855	A BB	59481.	50.000 LG/ML	3.94
12	107	602	7:31	1	0.884	A BV	41824.	50.000 LG/ML	3.94
13	107	610	7:37	1	0.896	A VB	43007.	50.000 LG/ML	3.94
14	107	629	7:52	1	0.924	A BB	49786.	50.000 LG/ML	3.94
15	107	666	8:19	1	0.978	A BB	48506.	50.000 LG/ML	3.94
16	106	696	8:42	1	1.022	A BB	66541.	50.000 LG/ML	3.94
17	106	710	8:52	1	1.043	A VB	45999.	50.000 LG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	766	9:34	1	1.125	A BB	49058.	50.000	UG/ML	3.94
19	106	793	9:55	1	1.164	A BB	53104.	50.000	UG/ML	3.94
20	122	812	10:09	1	1.192	A BB	42334.	50.000	UG/ML	3.94
21	107	864	10:48	2	0.942	A BV	43575.	50.000	UG/ML	3.94
22	107	889	11:07	2	0.969	A BB	44083.	50.000	UG/ML	3.94
23	107	902	11:16	2	0.984	A BB	46687.	50.000	UG/ML	3.94
24	107	921	11:31	1	1.352	A BB	56021.	50.000	UG/ML	3.94
25	142	1079	13:29	2	1.177	A BB	95984.	50.000	UG/ML	3.94
26	106	789	9:52	1	1.159	M XX	3344.	50.000	UG/ML	3.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	3:44	1.00	0.439	1.00	50.00	50.00	1.783	1.783	1.00
5	3:46	1.00	0.442	1.00	50.00	50.00	1.535	1.535	1.00
6	4:58	1.00	0.583	1.00	50.00	50.00	1.440	1.440	1.00
7	5:46	1.00	0.678	1.00	50.00	50.00	1.630	1.630	1.00
8	6:10	1.00	0.725	1.00	50.00	50.00	1.828	1.828	1.00
9	6:34	1.00	0.771	1.00	50.00	50.00	2.165	2.165	1.00
10	7:01	1.00	0.824	1.00	50.00	50.00	1.549	1.549	1.00
11	7:16	1.00	0.855	1.00	50.00	50.00	1.692	1.692	1.00
12	7:31	1.00	0.884	1.00	50.00	50.00	1.190	1.190	1.00
13	7:37	1.00	0.896	1.00	50.00	50.00	1.223	1.223	1.00
14	7:52	1.00	0.924	1.00	50.00	50.00	1.416	1.416	1.00
15	8:19	1.00	0.978	1.00	50.00	50.00	1.380	1.380	1.00
16	8:42	1.00	1.022	1.00	50.00	50.00	1.893	1.893	1.00
17	8:52	1.00	1.043	1.00	50.00	50.00	1.309	1.309	1.00
18	9:34	1.00	1.125	1.00	50.00	50.00	1.396	1.396	1.00
19	9:55	1.00	1.164	1.00	50.00	50.00	1.511	1.511	1.00
20	10:09	1.00	1.192	1.00	50.00	50.00	1.204	1.204	1.00
21	10:48	1.00	0.942	1.00	50.00	50.00	0.334	0.334	1.00
22	11:07	1.00	0.969	1.00	50.00	50.00	0.338	0.338	1.00
23	11:16	1.00	0.984	1.00	50.00	50.00	0.358	0.358	1.00
24	11:31	1.00	1.352	1.00	50.00	50.00	1.594	1.594	1.00
25	13:29	1.00	1.177	1.00	50.00	50.00	0.736	0.736	1.00
26	9:52	1.00	1.159	1.00	50.00	50.00	0.095	0.095	1.00

RMAL QUANTITATION SUMMARY FILE: STDU338
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/L AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	681	1	28123.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	104388.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1270	3	56200.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	299	1	62673.	1.783	50.000
5	S1# 20	PYRIDINE	79	301	1	53953.	1.535	50.000
6	S1# 30	2-PICOLINE	93	397	1	50633.	1.440	50.000
7	S1# 62	3 & 4-PICOLINE	93	462	1	57318.	1.630	50.000
8	S1# 64	2,6-LUTIDINE	107	494	1	64258.	1.828	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	76097.	2.165	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	561	1	54469.	1.549	50.000
11	S1# 87	2,3-LUTIDINE	107	582	1	59481.	1.692	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	602	1	41824.	1.190	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	610	1	43007.	1.223	50.000
14	S1# 92	3,5-LUTIDINE	107	629	1	49786.	1.416	50.000
15	S1#122	3,4-LUTIDINE	107	666	1	48506.	1.380	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	696	1	66541.	1.893	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	710	1	45999.	1.309	50.000
18	S1#187	M AND P CRESOLS	108	766	1	49058.	1.396	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	789	1	3344.	0.095	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	793	1	53104.	1.511	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	812	1	42334.	1.204	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	864	2	43575.	0.834	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	889	2	44083.	0.838	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	902	2	46687.	0.858	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	921	1	56021.	1.594	50.000
26	S2#150	1-METHYLNAPHTHALENE	142	1079	2	95984.	0.736	50.000

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D: STDX816. STARTED : 6/03/88 10:37:20

C2449

6/2/88 16:23:26 SCAN 1 OF 3900
Acquisition started

Acquire Run 2: STDX816 ACQUIRING
06/02/88 16:23:00 + 0:03 Free sectors: 24764 Scan: 7 of 3900
Sample: 80 PPB PAH STD 10/29/87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc: PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc: PA GC elapsed time : 0: 7 min Int. oven : 260 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

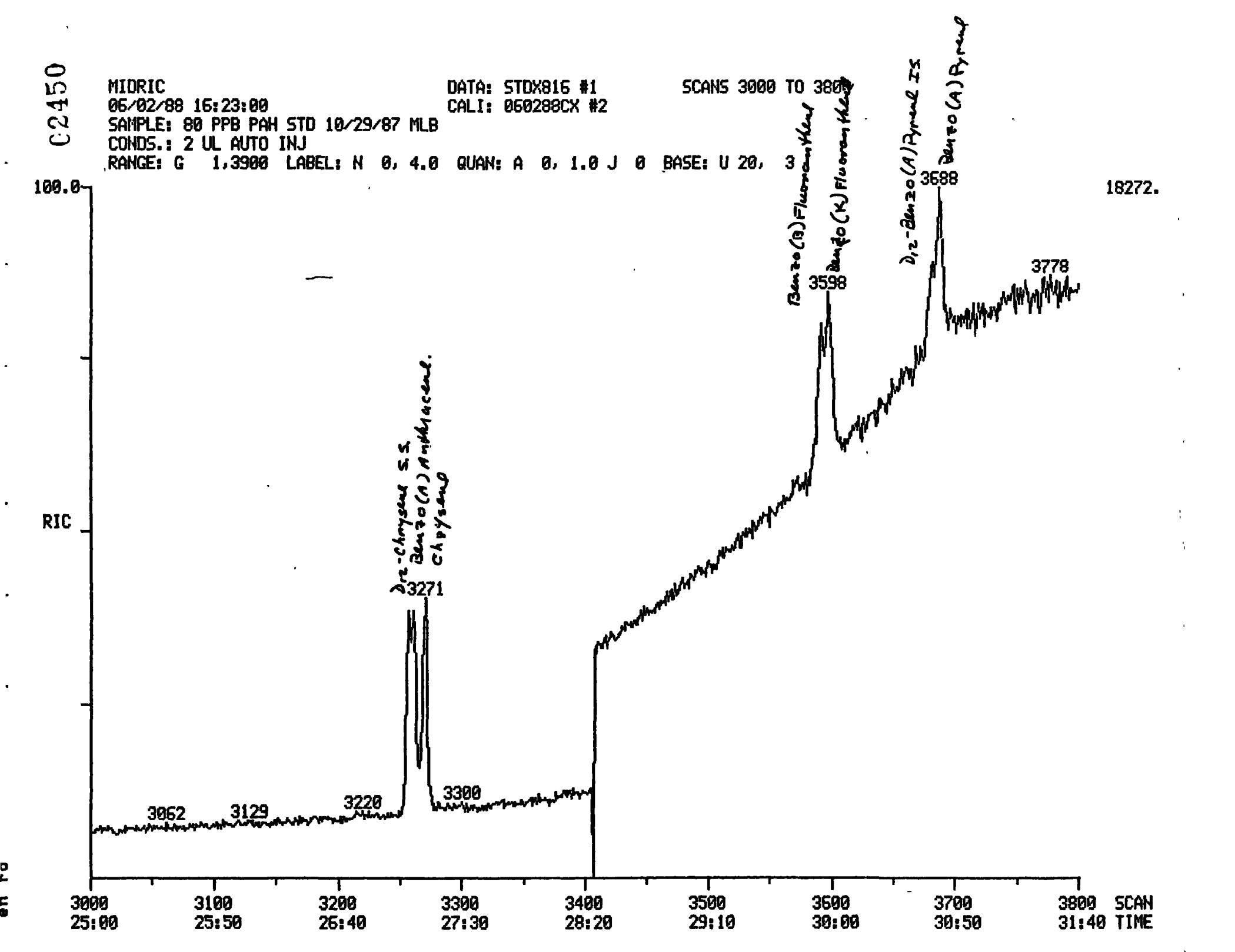
6/2/88 16:51:51 SCAN 3407 OF 3900

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

6/2/88 16:56:01
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3900 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec


C2450
MIDRIC
06/02/88 16:23:00
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1,3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDX816 #1
CALI: 060288CX #2
SCANS 3000 TO 3800
100.0
18272.
RIC
3062
3129
3220
3271
3300
3598
3688
3778
Benzo(B)Fluoranthene
Benzo(K)Fluoranthene
d12-Benzo(A)Pyrene IS
Benzo(A)Pyrene
d12-Chrysene S.S.
Benzo(A)Anthracene.
Chrysene
3000 25:00
3100 25:50
3200 26:40
3300 27:30
3400 28:20
3500 29:10
3600 30:00
3700 30:50
3800 31:40
SCAN
TIME

Quantitation Report File: STDX816

02451

Data: STDX816.TI
06/02/88 16:23:00
Sample: 80 PPB PAH STD 10/29/87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264	IPH# 01
2	D12-CHRYSENE	240	SPH# 02
3	BENZO(A)ANTHRACENE	228	PH# 03
4	BENZO(A)ANTHRACENE	226	PH# 04
5	CHRYSENE	228	PH# 05
6	CHRYSENE	226	PH# 06
7	BENZO(B)FLUORANTHENE	252	PH# 07
8	BENZO(B)FLUORANTHENE	250	PH# 08
9	BENZO(K)FLUORANTHENE	252	PH# 09
10	BENZO(K)FLUORANTHENE	250	PH# 10
11	BENZO(J)FLUORANTHENE	252	PH# 11
12	BENZO(J)FLUORANTHENE	250	PH# 12
13	BENZO(A)PYRENE	252	PH# 13
14	BENZO(A)PYRENE	250	PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3682	30:41	1	1.000	A BB	12517.	80.000	NG/ML	6.76
2	240	3262	27:11	1	0.886	A BB	19208.	81.816	NG/ML	6.91
3	228	3257	27:08	1	0.885	A BV	20270.	79.219	NG/ML	6.69
4	226	3257	27:08	1	0.885	A BV	4690.	86.119	NG/ML	7.27
5	228	3271	27:15	1	0.888	A VB	21226.	80.310	NG/ML	6.78
6	226	3271	27:15	1	0.888	A VB	5580.	87.900	NG/ML	7.42
7	252	3598	29:59	1	0.977	A VB	21025.	87.280	NG/ML	7.37
8	250	3598	29:59	1	0.977	A VB	5071.	147.635	NG/ML	12.47
9	252	3598	29:59	1	0.977	A VB	21025.	83.721	NG/ML	7.07
10	250	3598	29:59	1	0.977	A VB	5071.	141.916	NG/ML	11.99
11	252	3623	30:11	1	0.984	A BB	180.	0.769	NG/ML	0.06
12	250	3620	30:10	1	0.983	A BB	1208.	23.361	NG/ML	1.97
13	252	3688	30:44	1	1.002	A BB	17400.	92.308	NG/ML	7.80
14	250	3688	30:44	1	1.002	A VB	5939.	111.662	NG/ML	9.43

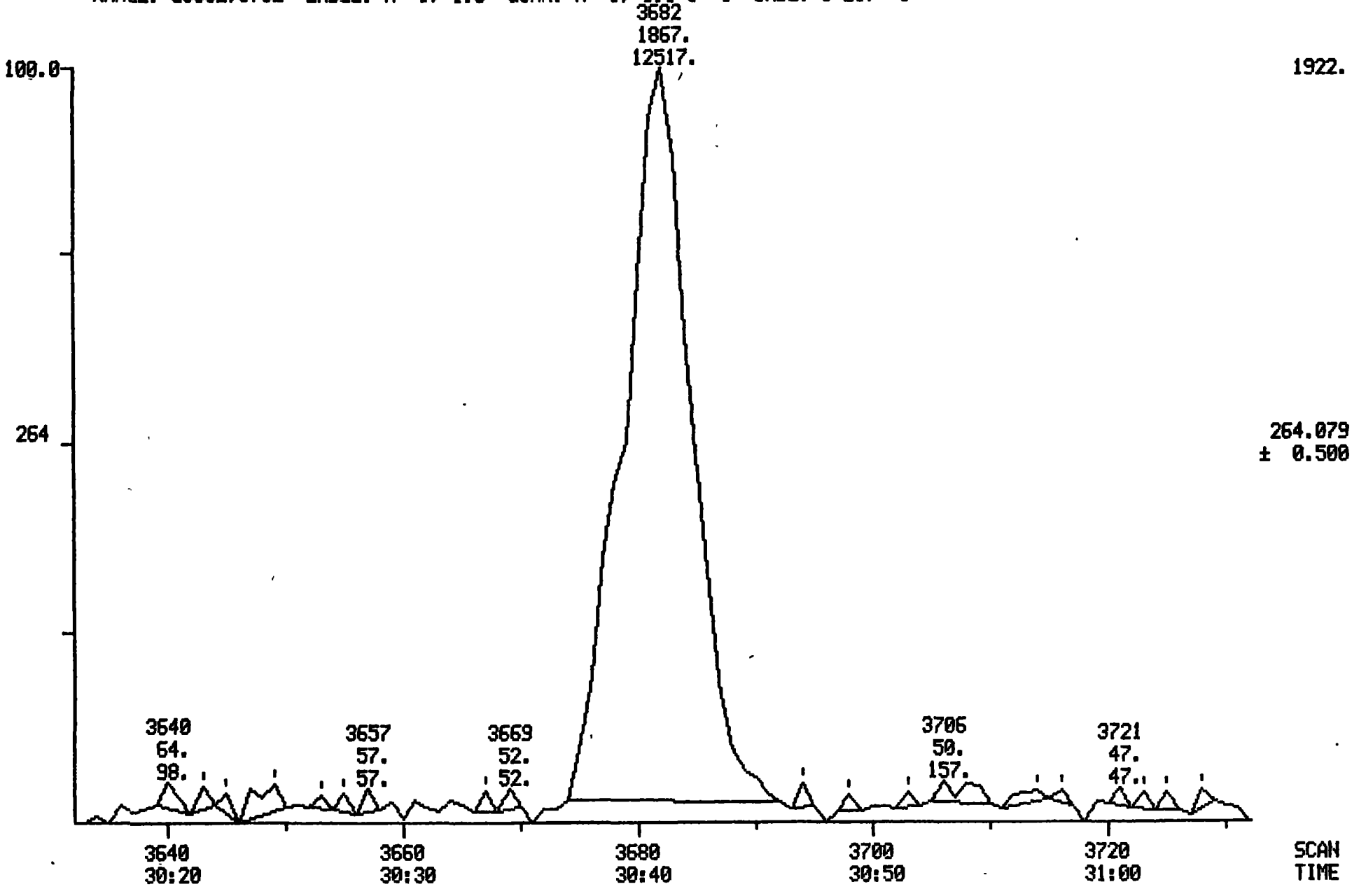
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:41	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:11	1.00	0.886	1.00	81.82	80.00	1.535	1.500	1.02
3	27:08	1.00	0.885	1.00	79.22	80.00	1.619	1.635	0.99
4	27:08	1.00	0.885	1.00	86.12	80.00	0.375	0.348	1.08
5	27:15	1.00	0.888	1.00	80.31	80.00	1.696	1.689	1.00
6	27:15	1.00	0.888	1.00	87.90	80.00	0.446	0.406	1.10
7	29:56	1.00	0.976	1.00	87.28	80.00	1.680	1.540	1.09
8	29:56	1.00	0.976	1.00	147.64	80.00	0.405	0.220	1.85
9	29:59	1.00	0.977	1.00	83.72	80.00	1.680	1.605	1.05
10	29:59	1.00	0.977	1.00	141.92	80.00	0.405	0.228	1.77
11	29:41	1.02	0.982	1.00	0.77	80.00	0.014	1.496	0.01

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
12	29:41	1.02	0.982	1.00	23.36	80.00	0.097	0.330	0.29
13	30:44	1.00	1.002	1.00	92.31	80.00	1.390	1.205	1.15
14	30:44	1.00	1.002	1.00	111.66	80.00	0.474	0.340	1.40

02453

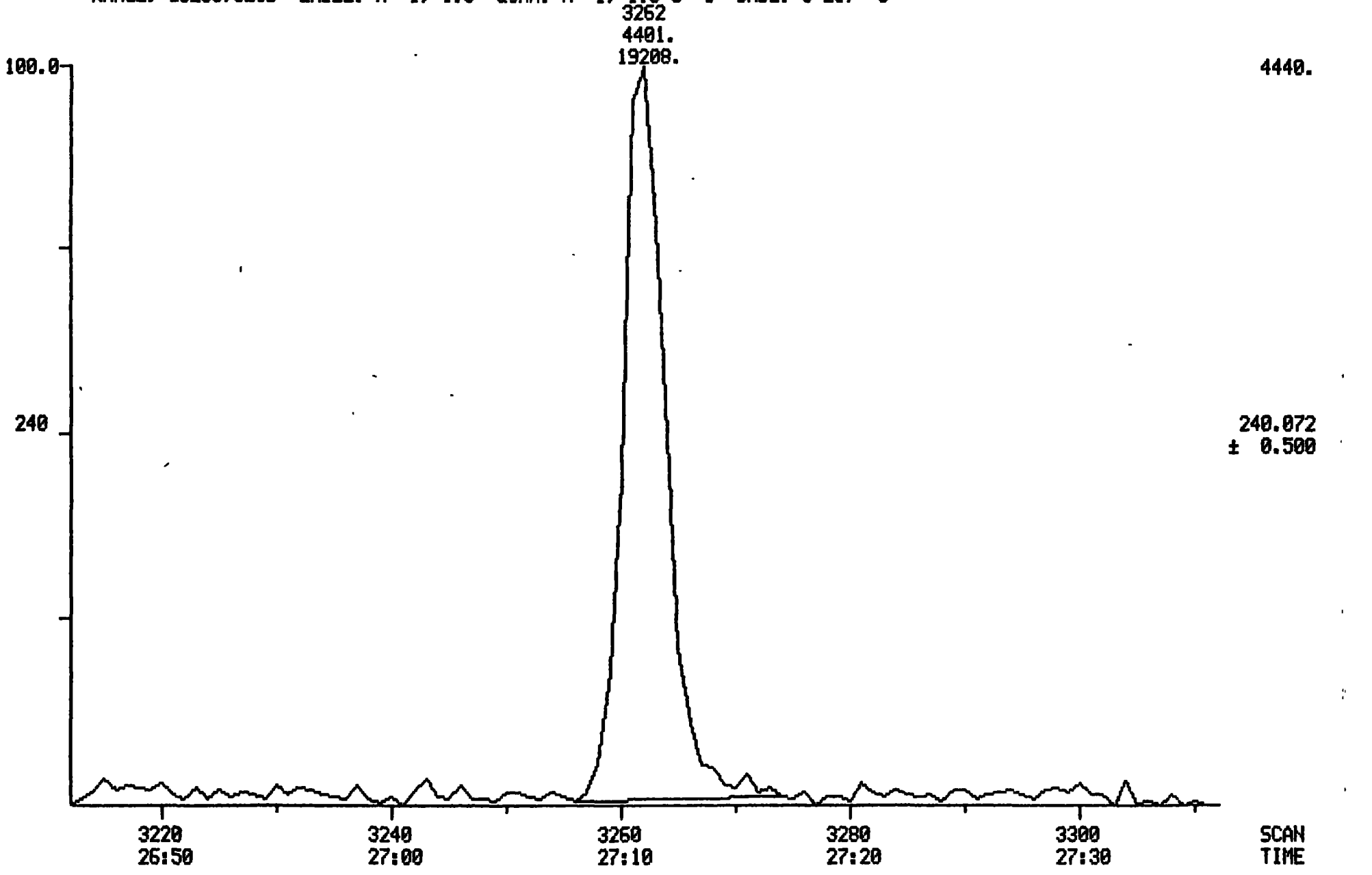
MIDMASS CHROMATOGRAM
06/02/88 16:23:00
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3632,3732 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: STDX816 #3682 SCANS 3632 TO 3732
CALI: 060288CX #2



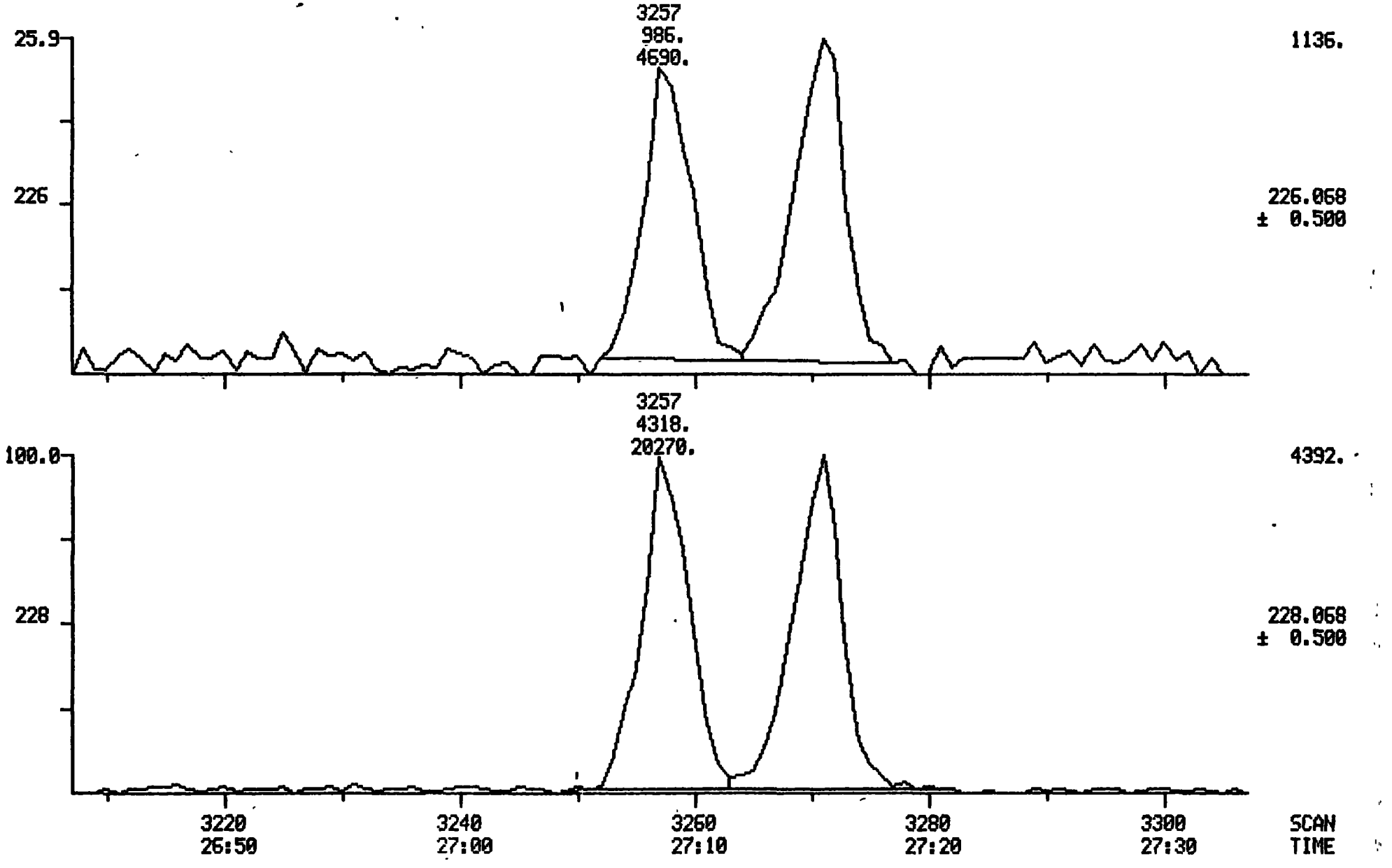
02454

MIDMASS CHROMATOGRAM DATA: STDX816 #3262 SCANS 3212 TO 3312
06/02/88 16:23:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3255,3269 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



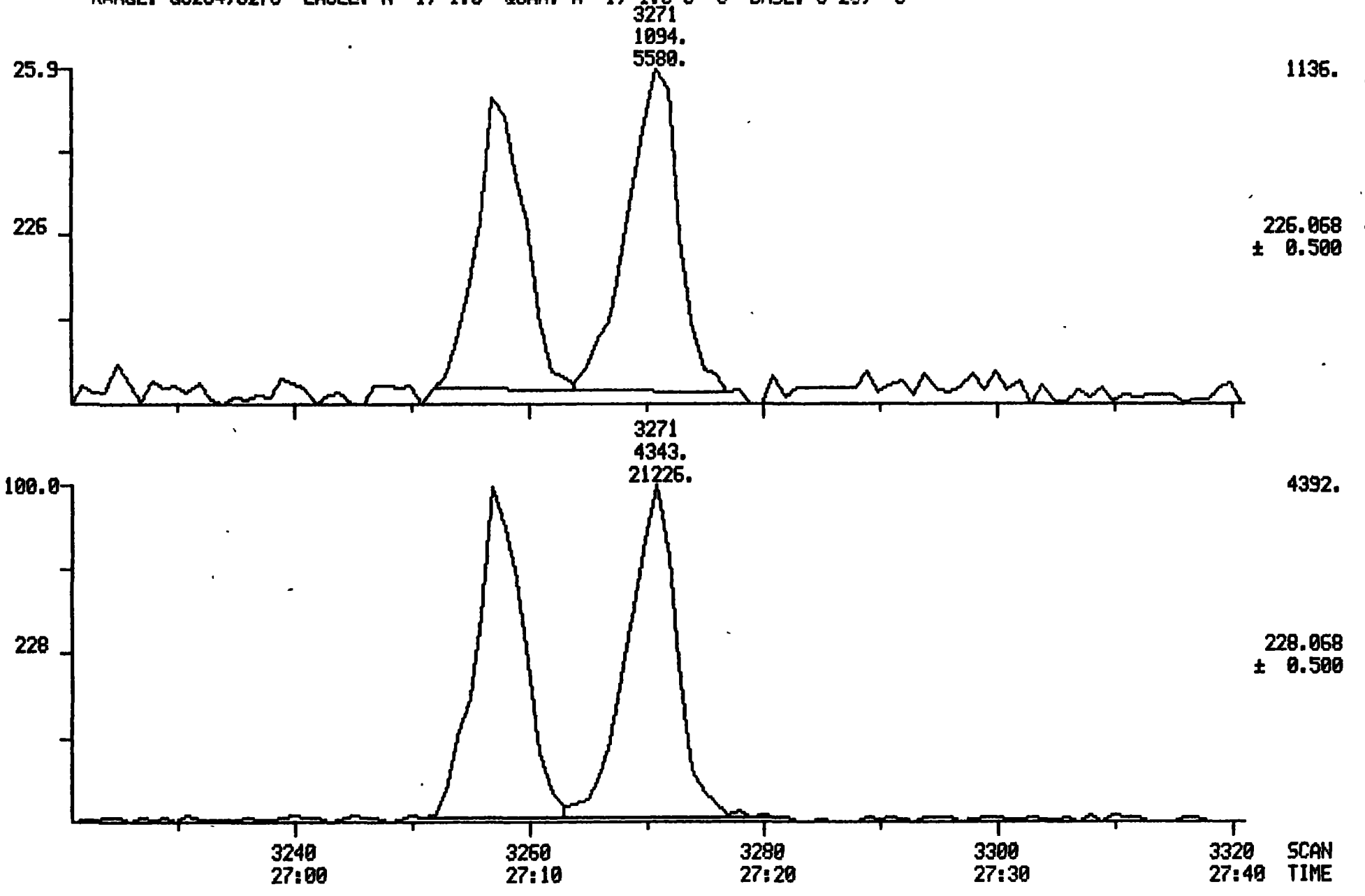
02455

MIDMASS CHROMATOGRAMS DATA: STDX816 #3257 SCANS 3207 TO 3307
06/02/88 16:23:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3250,3264 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



02456

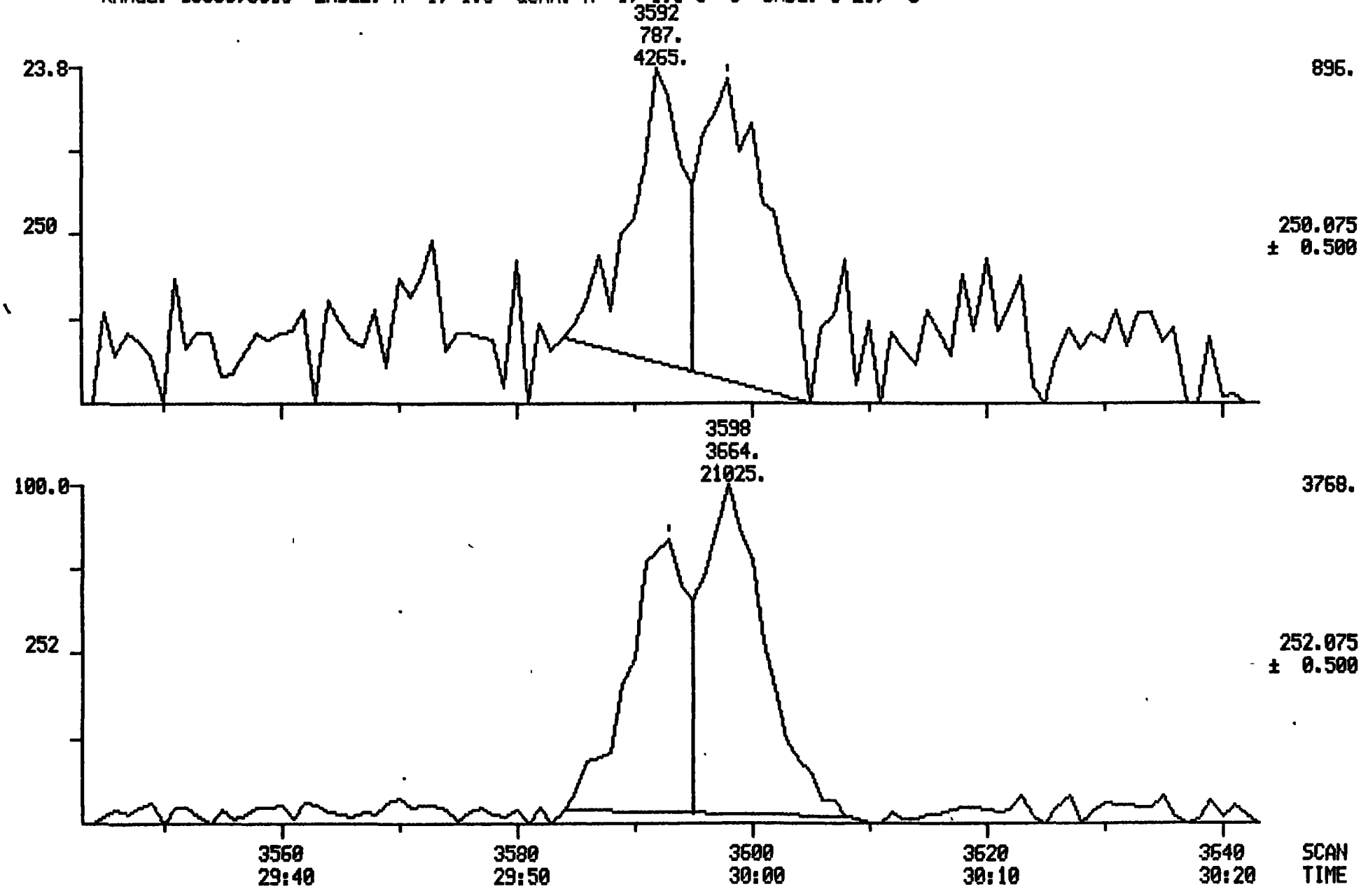
MIDMASS CHROMATOGRAMS DATA: STDX816 #3271 SCANS 3221 TO 3321
06/02/88 16:23:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3264,3278 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



02457

MIDMASS CHROMATOGRAMS
06/02/88 16:23:00
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3586,3600 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

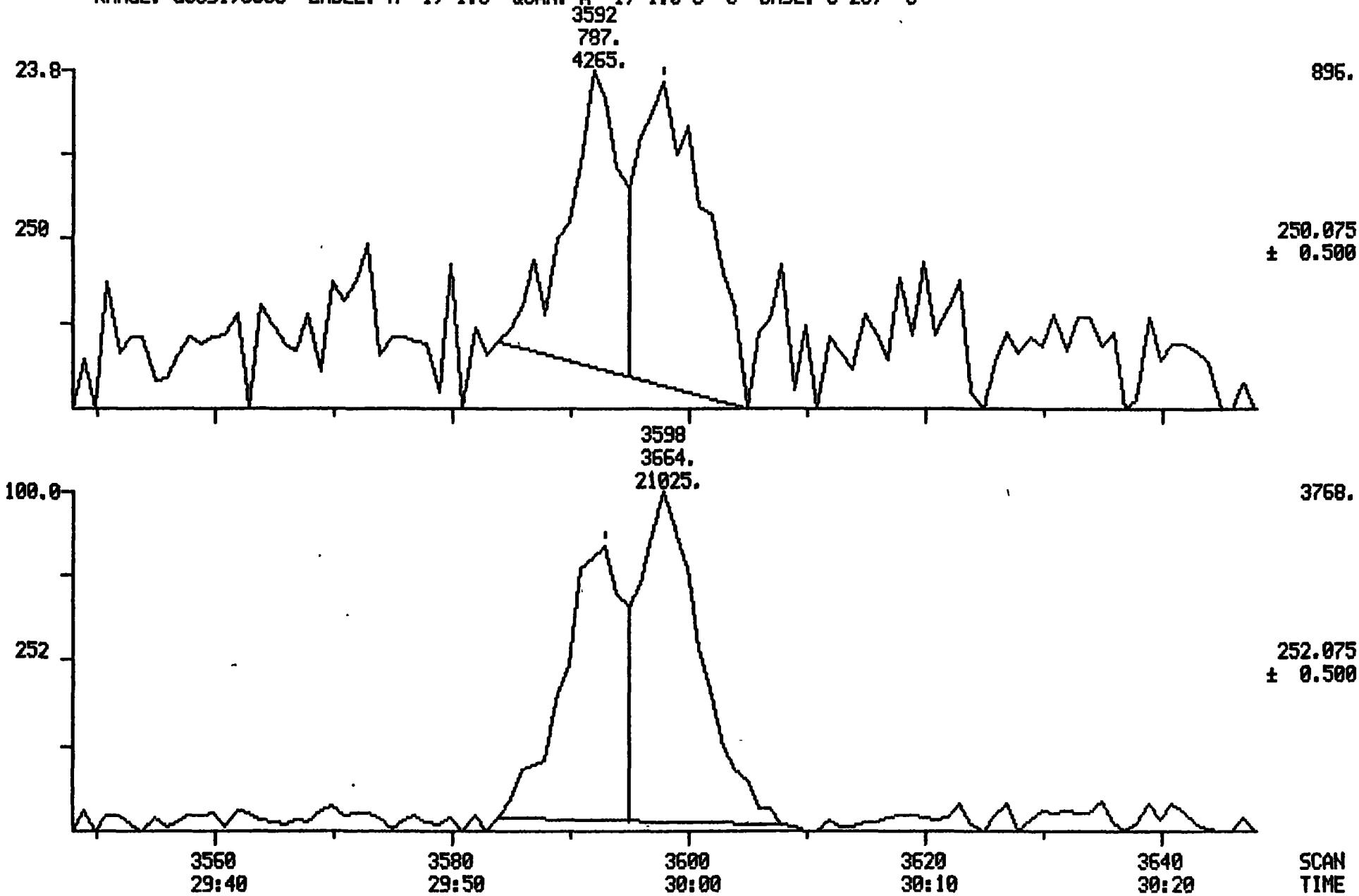
DATA: STDX816 #3593 SCANS 3543 TO 3643
CALI: 060288CX #2



02458

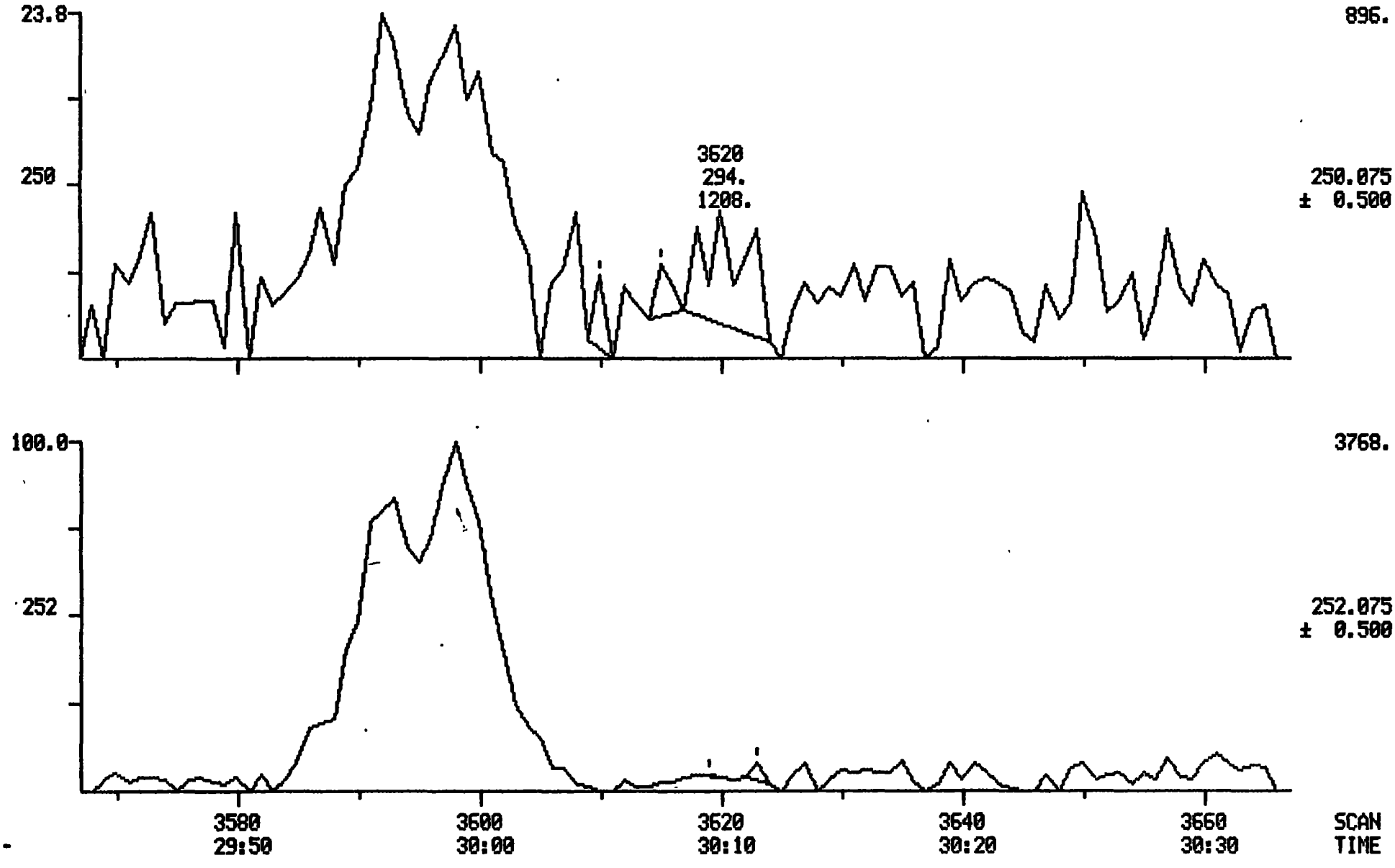
MIDMASS CHROMATOGRAMS
06/02/88 16:23:00
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3591,3605 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: STDX816 #3598 SCANS 3548 TO 3648
CALI: 060288CX #2



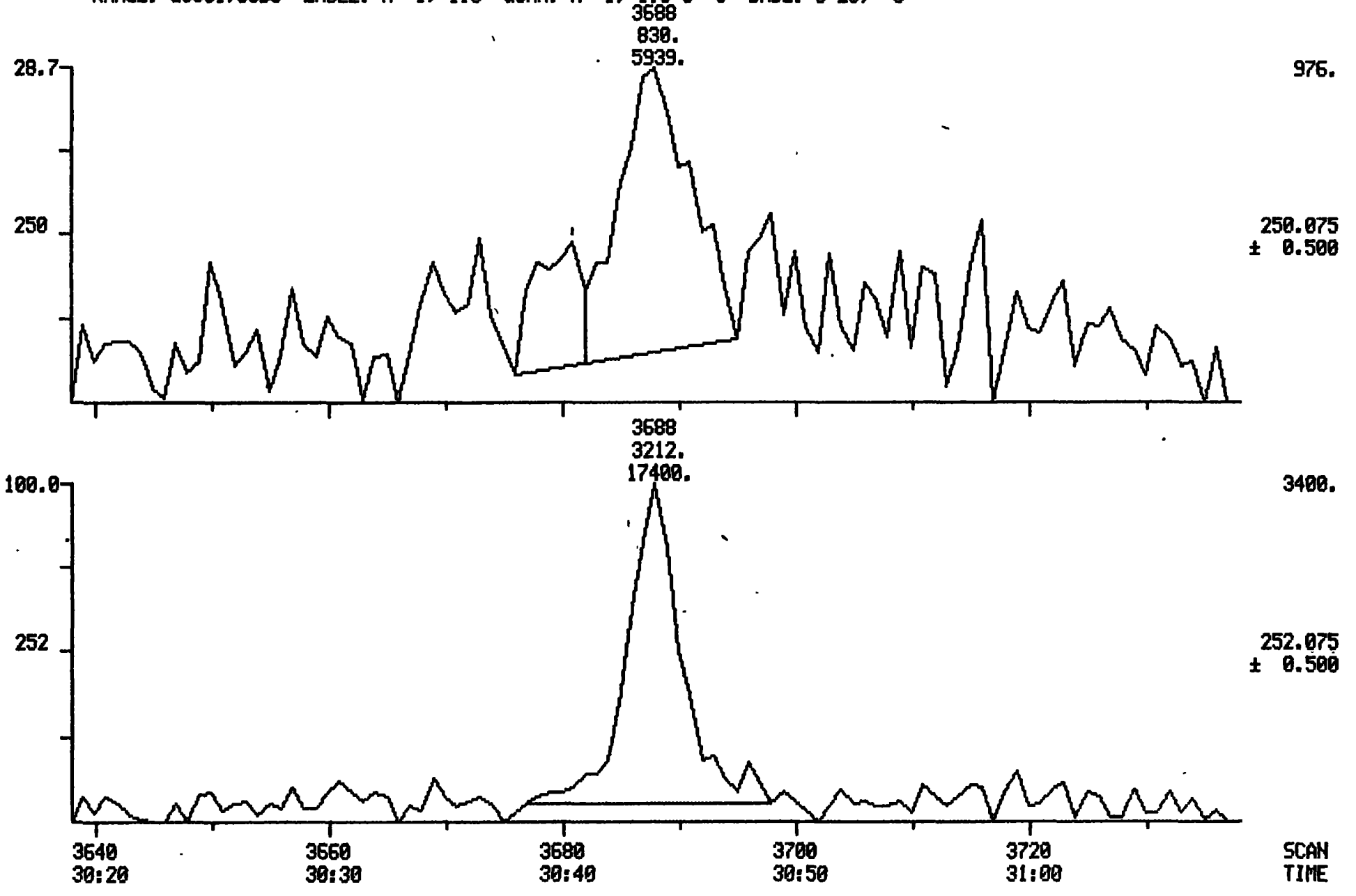
02459

MIDMASS CHROMATOGRAMS DATA: STDX816 #3617 SCANS 3567 TO 3667
06/02/88 16:23:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3610,3624 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



02460

MIDMASS CHROMATOGRAMS DATA: STDX816 #3688 SCANS 3638 TO 3738
06/02/88 16:23:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3681,3695 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



GUANTITATION REPORT FILE: STDX816

02461

DATA: STDX816.TI
06/02/88 16:23:00
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
SUBMITTED BY: RMAL ANALYST: JGG

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	264	3682	30:41	1	1.000	A BB	12517.	80.000	NG/ML	6.90
2	240	3262	27:11	1	0.886	A BB	19208.	81.816	NG/ML	7.05
3	228	3257	27:08	1	0.885	A BV	20270.	79.219	NG/ML	6.83
4	226	3257	27:08	1	0.885	A BV	4690.	86.119	NG/ML	7.42
5	228	3271	27:15	1	0.888	A VB	21226.	80.310	NG/ML	6.92
6	226	3271	27:15	1	0.888	A VB	5580.	87.900	NG/ML	7.58
7	252	3593	29:56	1	0.976	A BV	21025.	87.280	NG/ML	7.52
8	250	3592	29:56	1	0.976	A BV	5071.	147.635	NG/ML	12.73
9	252	3598	29:59	1	0.977	A VB	21025.	83.721	NG/ML	7.22
10	250	3598	29:59	1	0.977	A VB	5071.	141.916	NG/ML	12.24
11	252	3688	30:44	1	1.002	A BB	17400.	92.308	NG/ML	7.96
12	250	3688	30:44	1	1.002	A VB	5939.	111.662	NG/ML	9.63

Quantitation Report File: STDX816

02462

Data: STDX816.TI
06/02/88 16:23:00
Sample: 80 PPB PAH STD 10/29/87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264	IPH# 01
2	D12-CHRYSENE	240	SPH# 02
3	BENZO(A)ANTHRACENE	228	PH# 03
4	BENZO(A)ANTHRACENE	226	PH# 04
5	CHRYSENE	228	PH# 05
6	CHRYSENE	226	PH# 06
7	BENZO(B)FLUORANTHENE	252	PH# 07
8	BENZO(B)FLUORANTHENE	250	PH# 08
9	BENZO(K)FLUORANTHENE	252	PH# 09
10	BENZO(K)FLUORANTHENE	250	PH# 10
11	BENZO(A)PYRENE	252	PH# 13
12	BENZO(A)PYRENE	250	PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3682	30:41	1	1.000	A BB	12517.	80.000	NG/ML	8.33
2	240	3262	27:11	1	0.886	A BB	19208.	80.000	NG/ML	8.33
3	228	3257	27:08	1	0.885	A BV	20270.	80.000	NG/ML	8.33
4	226	3257	27:08	1	0.885	A BV	4690.	80.000	NG/ML	8.33
5	228	3271	27:15	1	0.888	A VB	21226.	80.000	NG/ML	8.33
6	226	3271	27:15	1	0.888	A VB	5580.	80.000	NG/ML	8.33
7	252	3593	29:56	1	0.976	A BV	21025.	80.000	NG/ML	8.33
8	250	3592	29:56	1	0.976	A BV	5071.	80.000	NG/ML	8.33
9	252	3598	29:59	1	0.977	A VB	21025.	80.000	NG/ML	8.33
10	250	3598	29:59	1	0.977	A VB	5071.	80.000	NG/ML	8.33
11	252	3688	30:44	1	1.002	A BB	17400.	80.000	NG/ML	8.33
12	250	3688	30:44	1	1.002	A VB	5939.	80.000	NG/ML	8.33

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:41	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:11	1.00	0.886	1.00	80.00	80.00	1.535	1.535	1.00
3	27:08	1.00	0.885	1.00	80.00	80.00	1.619	1.619	1.00
4	27:08	1.00	0.885	1.00	80.00	80.00	0.375	0.375	1.00
5	27:15	1.00	0.888	1.00	80.00	80.00	1.696	1.696	1.00
6	27:15	1.00	0.888	1.00	80.00	80.00	0.446	0.446	1.00
7	29:56	1.00	0.976	1.00	80.00	80.00	1.680	1.680	1.00
8	29:56	1.00	0.976	1.00	80.00	80.00	0.405	0.405	1.00
9	29:59	1.00	0.977	1.00	80.00	80.00	1.680	1.680	1.00
10	29:59	1.00	0.977	1.00	80.00	80.00	0.405	0.405	1.00
11	30:44	1.00	1.002	1.00	80.00	80.00	1.390	1.390	1.00
12	30:44	1.00	1.002	1.00	80.00	80.00	0.474	0.474	1.00

QUANTITATION REPORT FILE: STDX816

02463

DATA: STDX816.TI
06/02/88 16:23:00
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
SUBMITTED BY: RMAL ANALYST: JGG

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	264	3682	30:41	1	1.000	A BB	12517.	80.000	NG/ML	8.33
2	240	3262	27:11	1	0.886	A BB	19208.	80.000	NG/ML	8.33
3	228	3257	27:08	1	0.885	A BV	20270.	80.000	NG/ML	8.33
4	226	3257	27:08	1	0.885	A BV	4690.	80.000	NG/ML	8.33
5	228	3271	27:15	1	0.888	A VB	21226.	80.000	NG/ML	8.33
6	226	3271	27:15	1	0.888	A VB	5580.	80.000	NG/ML	8.33
7	252	3593	29:56	1	0.976	A BV	21025.	80.000	NG/ML	8.33
8	250	3592	29:56	1	0.976	A BV	5071.	80.000	NG/ML	8.33
9	252	3598	29:59	1	0.977	A VB	21025.	80.000	NG/ML	8.33
10	250	3598	29:59	1	0.977	A VB	5071.	80.000	NG/ML	8.33
11	252	3688	30:44	1	1.002	A BB	17400.	80.000	NG/ML	8.33
12	250	3688	30:44	1	1.002	A VB	5939.	80.000	NG/ML	8.33

Quantitation Report File: STDX816

02464

Data: STDX816.TI
06/02/88 16:23:00
Sample: 80 PPB PAH STD 10/29/87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(A)PYRENE	252 PH#	13
12	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	264	3682	30:41	1	1.000	A BB	12517.	80.000 NG/ML	8.33
2	240	3262	27:11	1	0.886	A BB	19208.	80.000 NG/ML	8.33
3	228	3257	27:08	1	0.885	A BV	20270.	80.000 NG/ML	8.33
4	226	3257	27:08	1	0.885	A BV	4690.	80.000 NG/ML	8.33
5	228	3271	27:15	1	0.888	A VB	21226.	80.000 NG/ML	8.33
6	226	3271	27:15	1	0.888	A VB	5580.	80.000 NG/ML	8.33
7	252	3593	29:56	1	0.976	A BV	21025.	80.000 NG/ML	8.33
8	250	3592	29:56	1	0.976	A BV	5071.	80.000 NG/ML	8.33
9	252	3598	29:59	1	0.977	A VB	21025.	80.000 NG/ML	8.33
10	250	3598	29:59	1	0.977	A VB	5071.	80.000 NG/ML	8.33
11	252	3688	30:44	1	1.002	A BB	17400.	80.000 NG/ML	8.33
12	250	3688	30:44	1	1.002	A VB	5939.	80.000 NG/ML	8.33

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D: STDX827. STARTED : 6/03/88 10: 17: 42

02465

6/3/88 9: 22: 28 SCAN 1 OF 3900
Acquisition started

Acquire Run 2: STDX827 ACQUIRING
06/03/88 9: 22: 00 + 0: 03 Free sectors: 21816 Scan: 7 of 3900
Sample: 80 PPB PAH STD 10/29/87 MLB
Conds. : 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No: 59436

********** GC PARAMETERS **********
Loaded GC Desc: PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc: PA GC elapsed time : 0: 3 min Int. oven : 260 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/3/88 9: 50: 53 SCAN 3407 OF 3900

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

6/3/88 9: 55: 02
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3900 Centroid

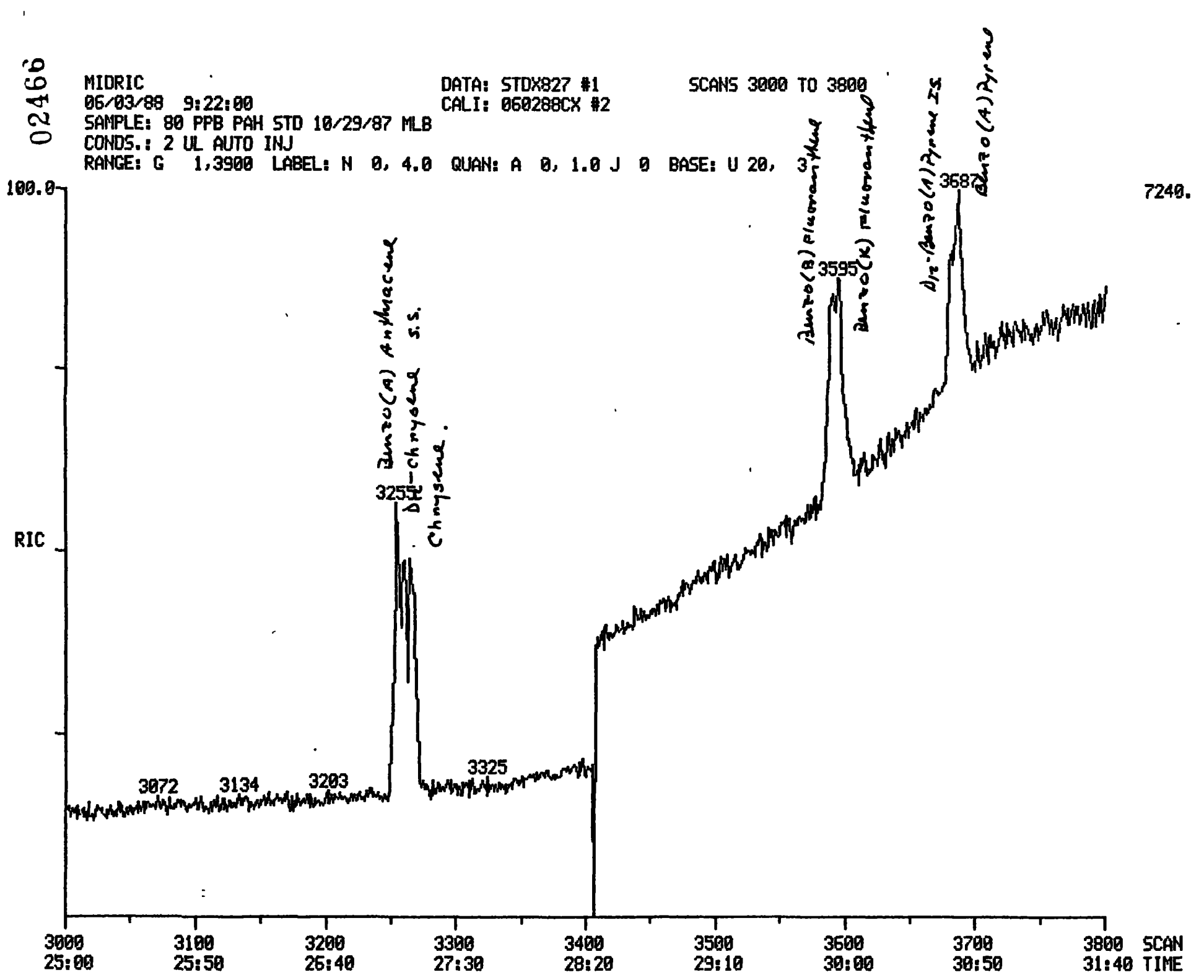
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec

02466

MIDRIC
06/03/88 9:22:00
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1,3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX827 #1
CALI: 060288CX #2

SCANS 3000 TO 3800



Quantitation Report File: STDX827

02467

Data: STDX827.TI
06/03/88 9:22:00
Sample: 80 PPB PAH STD 10/29/87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(A)PYRENE	252 PH#	13
12	BENZO(A)PYRENE	250 PH#	14
13	D12-BENZO(A)PYRENE	264IPH#	01
14	D12-CHRYSENE	240SPH#	02
15	BENZO(A)ANTHRACENE	228 PH#	03
16	BENZO(A)ANTHRACENE	226 PH#	04
17	CHRYSENE	228 PH#	05
18	CHRYSENE	226 PH#	06
19	BENZO(B)FLUORANTHENE	252 PH#	07
20	BENZO(B)FLUORANTHENE	250 PH#	08
21	BENZO(K)FLUORANTHENE	252 PH#	09
22	BENZO(K)FLUORANTHENE	250 PH#	10
23	BENZO(J)FLUORANTHENE	252 PH#	11
24	BENZO(J)FLUORANTHENE	252 PH#	11
25	BENZO(J)FLUORANTHENE	250 PH#	12
26	BENZO(A)PYRENE	252 PH#	13
27	BENZO(A)PYRENE	250 PH#	14
28	D12-BENZO(A)PYRENE	264IPH#	01
29	D12-CHRYSENE	240SPH#	02
30	BENZO(A)ANTHRACENE	228 PH#	03
31	BENZO(A)ANTHRACENE	226 PH#	04
32	CHRYSENE	228 PH#	05
33	CHRYSENE	226 PH#	06
34	BENZO(B)FLUORANTHENE	252 PH#	07
35	BENZO(B)FLUORANTHENE	250 PH#	08
36	BENZO(K)FLUORANTHENE	252 PH#	09
37	BENZO(K)FLUORANTHENE	250 PH#	10
38	BENZO(J)FLUORANTHENE	252 PH#	11
39	BENZO(J)FLUORANTHENE	252 PH#	11
40	BENZO(J)FLUORANTHENE	250 PH#	12
41	BENZO(A)PYRENE	252 PH#	13
42	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3681	30:40	1	1.000	A BB	6883.	80.000	NG/ML	2.24
2	240	3261	27:10	1	0.886	A BB	9473.	73.380	NG/ML	2.06
3	228	3255	27:07	1	0.884	A BV	10283.	73.088	NG/ML	2.05
4	226	3255	27:07	1	0.884	A BB	2218.	74.064	NG/ML	2.07
5	228	3265	27:12	1	0.887	A VB	10409.	71.622	NG/ML	2.01
6	226	3265	27:12	1	0.887	A BB	2560.	73.349	NG/ML	2.05
7	252	3595	29:57	1	0.977	A VB	11515.	86.929	NG/ML	2.43
8	250	3593	29:56	1	0.976	A BB	2786.	147.512	NG/ML	4.13
9	252	3595	29:57	1	0.977	A VB	11515.	83.384	NG/ML	2.34
10	250	3593	29:56	1	0.976	A BB	2786.	141.798	NG/ML	3.97
11	252	3687	30:43	1	1.002	A BB	9258.	89.320	NG/ML	2.50
12	250	3687	30:43	1	1.002	A BB	1194.	40.826	NG/ML	1.14
13	264	3681	30:40	1	1.000	A BB	6883.	80.000	NG/ML	2.24
14	240	3261	27:10	1	0.886	A BB	10092.	78.179	NG/ML	2.19
15	228	3255	27:07	1	0.884	A BV	10737.	76.311	NG/ML	2.14
16	226	3255	27:07	1	0.884	A BV	2374.	79.274	NG/ML	2.22
17	228	3265	27:12	1	0.887	A VB	10993.	75.641	NG/ML	2.12
18	226	3265	27:12	1	0.887	A BB	2849.	81.628	NG/ML	2.29
19	252	3595	29:57	1	0.977	A VB	12508.	94.431	NG/ML	2.64
20	250	3593	29:56	1	0.976	A BB	4082.	216.133	NG/ML	6.05
21	252	3595	29:57	1	0.977	A VB	12508.	90.581	NG/ML	2.54
22	250	3593	29:56	1	0.976	A BB	4082.	207.760	NG/ML	5.82
23	252	3613	30:06	1	0.982	A BB	137.	1.064	NG/ML	0.03
24	252	3622	30:11	1	0.984	A BB	137.	1.064	NG/ML	0.03
25	250	3623	30:11	1	0.984	A BB	164.	5.768	NG/ML	0.16
26	252	3687	30:43	1	1.002	A BB	10246.	98.852	NG/ML	2.77
27	250	3687	30:43	1	1.002	A BB	2228.	76.181	NG/ML	2.13
28	264	3681	30:40	1	1.000	A BV	7699.	89.491	NG/ML	2.51
29	240	3261	27:10	1	0.886	A BB	10092.	78.179	NG/ML	2.19
30	228	3255	27:07	1	0.884	A BV	10737.	76.311	NG/ML	2.14
31	226	3255	27:07	1	0.884	A BV	2374.	79.274	NG/ML	2.22
32	228	3265	27:12	1	0.887	A VB	10993.	75.641	NG/ML	2.12
33	226	3265	27:12	1	0.887	A BB	2849.	81.628	NG/ML	2.29
34	252	3595	29:57	1	0.977	A VB	12508.	94.431	NG/ML	2.64
35	250	3593	29:56	1	0.976	A BB	4082.	216.133	NG/ML	6.05
36	252	3595	29:57	1	0.977	A VB	12508.	90.581	NG/ML	2.54
37	250	3593	29:56	1	0.976	A BB	4082.	207.760	NG/ML	5.82
38	252	3613	30:06	1	0.982	A BB	137.	1.064	NG/ML	0.03
39	252	3622	30:11	1	0.984	A BB	137.	1.064	NG/ML	0.03
40	250	3623	30:11	1	0.984	A BB	164.	5.768	NG/ML	0.16
41	252	3687	30:43	1	1.002	A BB	10246.	98.852	NG/ML	2.77
42	250	3687	30:43	1	1.002	A BB	2228.	76.181	NG/ML	2.13

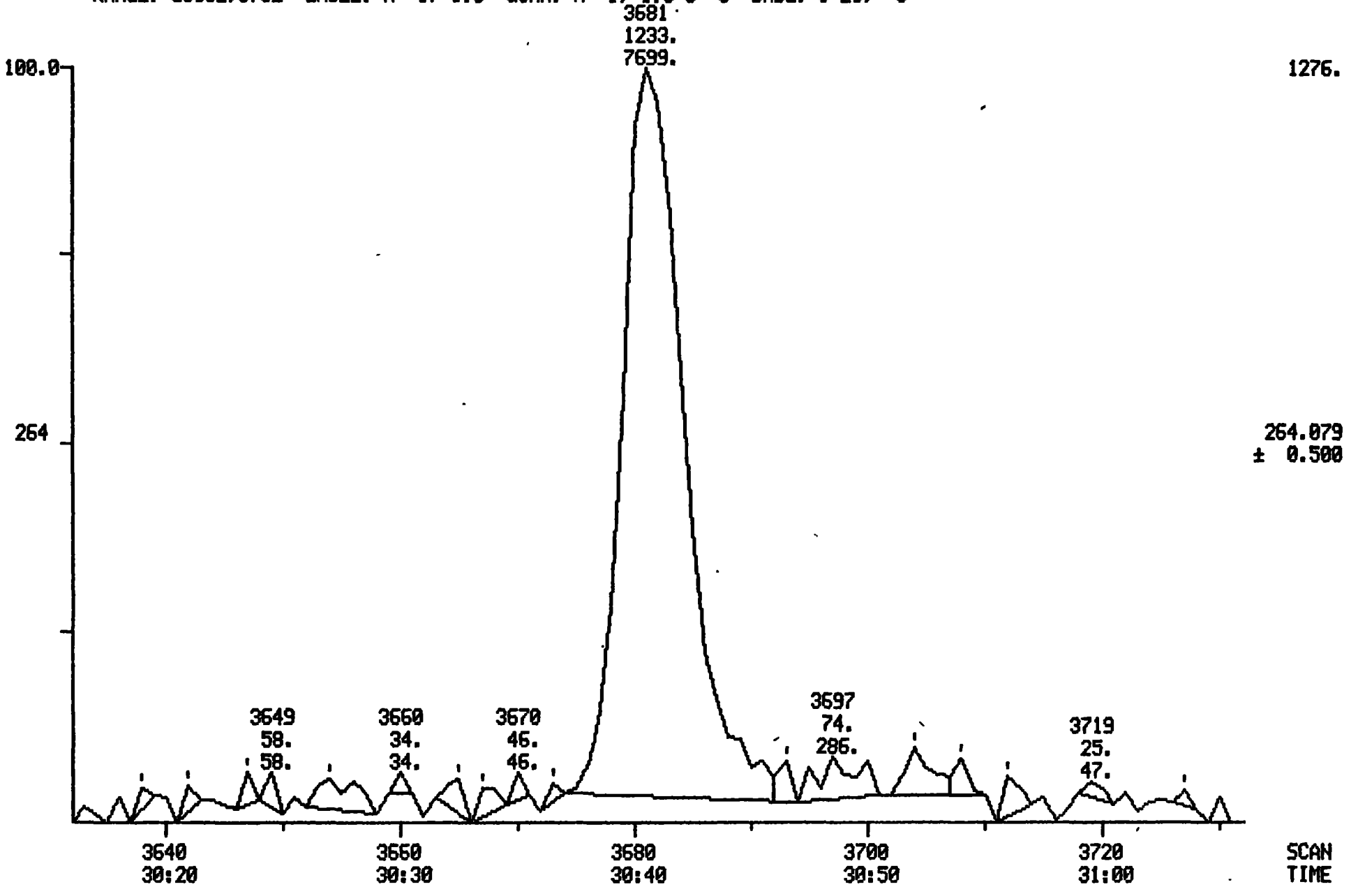
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:41	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:11	1.00	0.886	1.00	73.38	80.00	1.376	1.500	0.92
3	27:08	1.00	0.885	1.00	73.09	80.00	1.494	1.635	0.91
4	27:08	1.00	0.885	1.00	74.06	80.00	0.322	0.348	0.93
5	27:15	1.00	0.888	1.00	71.62	80.00	1.512	1.689	0.90
6	27:15	1.00	0.888	1.00	73.35	80.00	0.372	0.406	0.92
7	29:56	1.00	0.976	1.00	86.93	80.00	1.673	1.540	1.09
8	29:56	1.00	0.976	1.00	147.51	80.00	0.405	0.220	1.84
9	29:59	1.00	0.977	1.00	83.38	80.00	1.673	1.605	1.04
10	29:59	1.00	0.977	1.00	141.80	80.00	0.405	0.228	1.77
11	30:44	1.00	1.002	1.00	89.32	80.00	1.345	1.205	1.12
12	30:44	1.00	1.002	1.00	40.83	80.00	0.173	0.340	0.51

02468

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
13	30:41	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
14	27:11	1.00	0.886	1.00	78.18	80.00	1.466	1.500	0.98
15	27:08	1.00	0.885	1.00	76.31	80.00	1.560	1.635	0.95
16	27:08	1.00	0.885	1.00	79.27	80.00	0.345	0.348	0.99
17	27:15	1.00	0.888	1.00	75.64	80.00	1.597	1.689	0.95
18	27:15	1.00	0.888	1.00	81.63	80.00	0.414	0.406	1.02
19	29:56	1.00	0.976	1.00	94.43	80.00	1.817	1.540	1.18
20	29:56	1.00	0.976	1.00	216.13	80.00	0.593	0.220	2.70
21	29:59	1.00	0.977	1.00	90.58	80.00	1.817	1.605	1.13
22	29:59	1.00	0.977	1.00	207.76	80.00	0.593	0.228	2.60
23	29:41	1.01	0.982	1.00	1.06	80.00	0.020	1.496	0.01
24	29:41	1.02	0.982	1.00	1.06	80.00	0.020	1.496	0.01
25	29:41	1.02	0.982	1.00	5.77	80.00	0.024	0.330	0.07
26	30:44	1.00	1.002	1.00	98.85	80.00	1.489	1.205	1.24
27	30:44	1.00	1.002	1.00	76.18	80.00	0.324	0.340	0.95
28	30:41	1.00	1.000	1.00	89.49	80.00	1.119	1.000	1.12
29	27:11	1.00	0.886	1.00	78.18	80.00	1.466	1.500	0.98
30	27:08	1.00	0.885	1.00	76.31	80.00	1.560	1.635	0.95
31	27:08	1.00	0.885	1.00	79.27	80.00	0.345	0.348	0.99
32	27:15	1.00	0.888	1.00	75.64	80.00	1.597	1.689	0.95
33	27:15	1.00	0.888	1.00	81.63	80.00	0.414	0.406	1.02
34	29:56	1.00	0.976	1.00	94.43	80.00	1.817	1.540	1.18
35	29:56	1.00	0.976	1.00	216.13	80.00	0.593	0.220	2.70
36	29:59	1.00	0.977	1.00	90.58	80.00	1.817	1.605	1.13
37	29:59	1.00	0.977	1.00	207.76	80.00	0.593	0.228	2.60
38	29:41	1.01	0.982	1.00	1.06	80.00	0.020	1.496	0.01
39	29:41	1.02	0.982	1.00	1.06	80.00	0.020	1.496	0.01
40	29:41	1.02	0.982	1.00	5.77	80.00	0.024	0.330	0.07
41	30:44	1.00	1.002	1.00	98.85	80.00	1.489	1.205	1.24
42	30:44	1.00	1.002	1.00	76.18	80.00	0.324	0.340	0.95

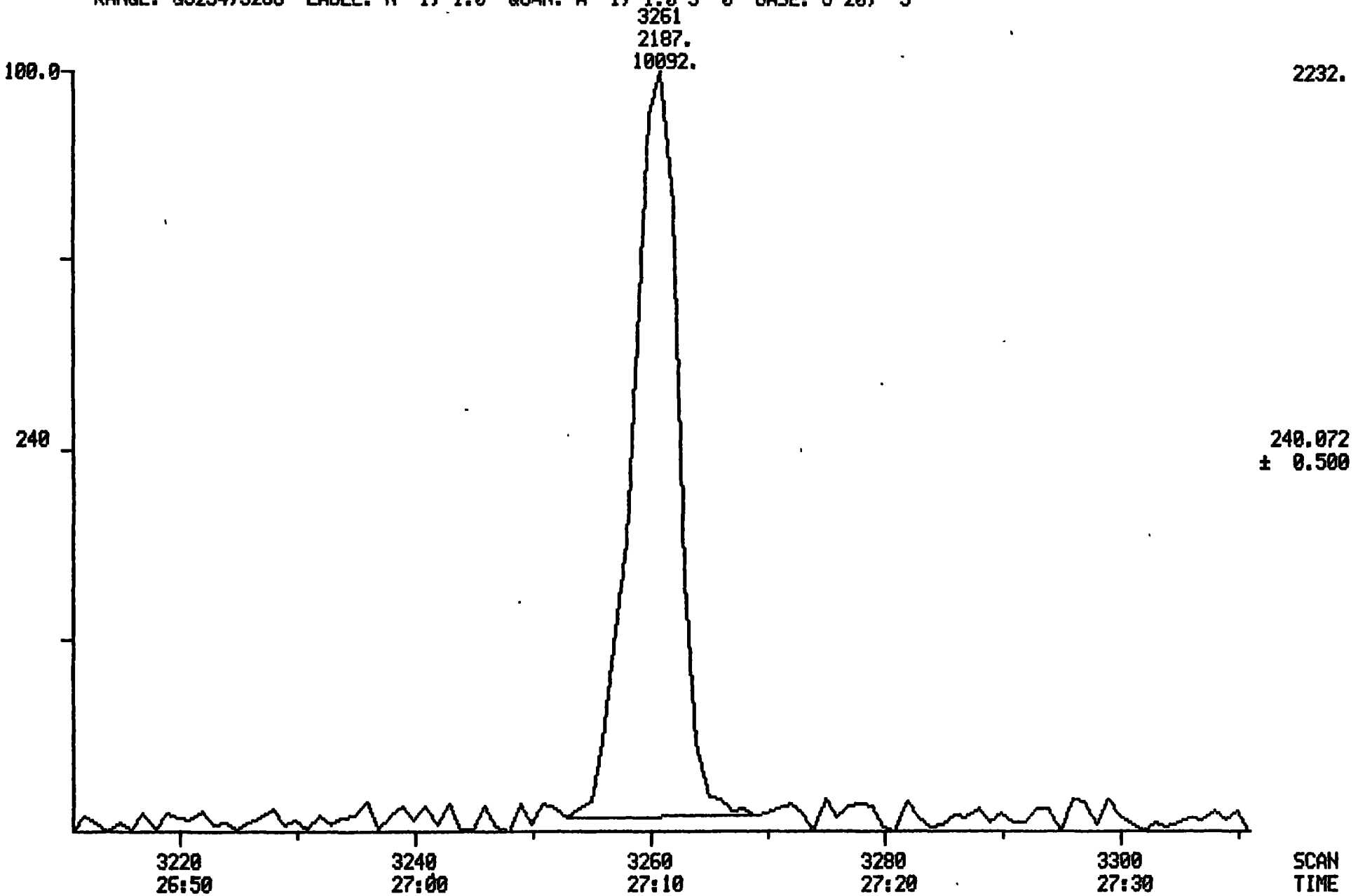
02470

MIDMASS CHROMATOGRAM DATA: STDX827 #3682 SCANS 3632 TO 3732
06/03/88 9:22:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3632,3732 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



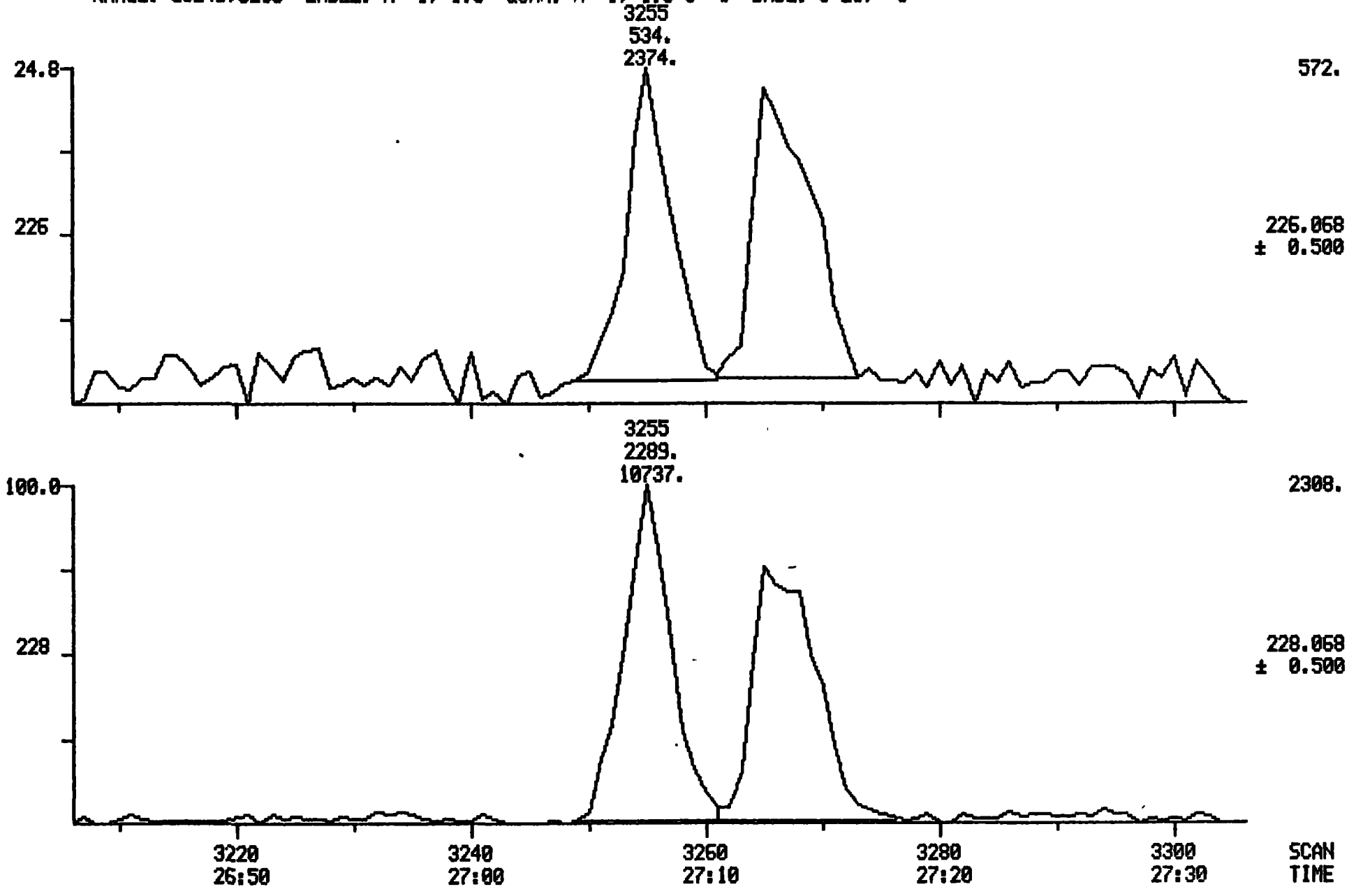
02471

MIDMASS CHROMATOGRAM DATA: STDX827 #3261 SCANS 3211 TO 3311
06/03/88 9:22:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3254,3268 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



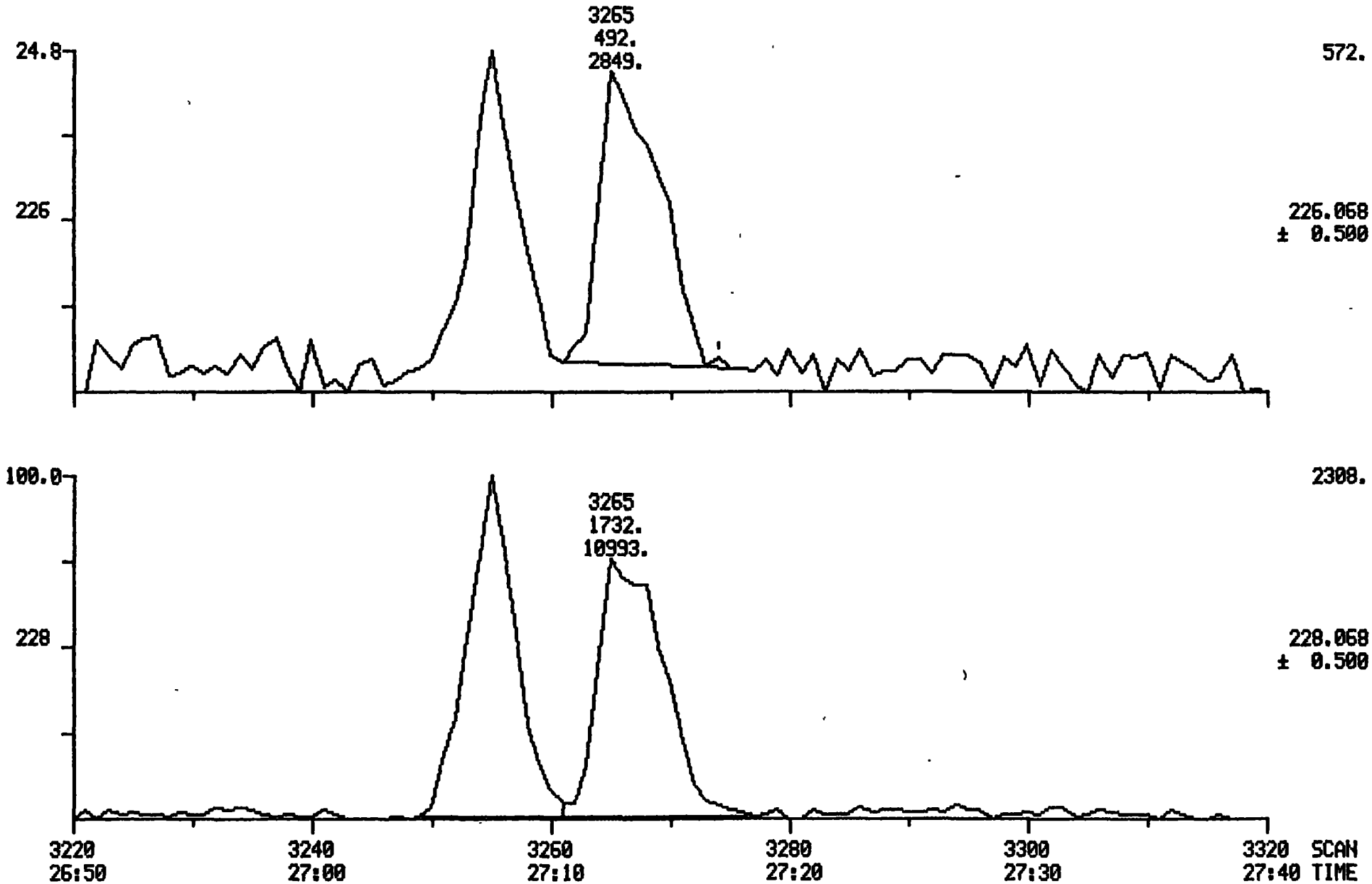
02472

MIDMASS CHROMATOGRAMS DATA: STDX827 #3256 SCANS 3206 TO 3306
06/03/88 9:22:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3249,3263 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



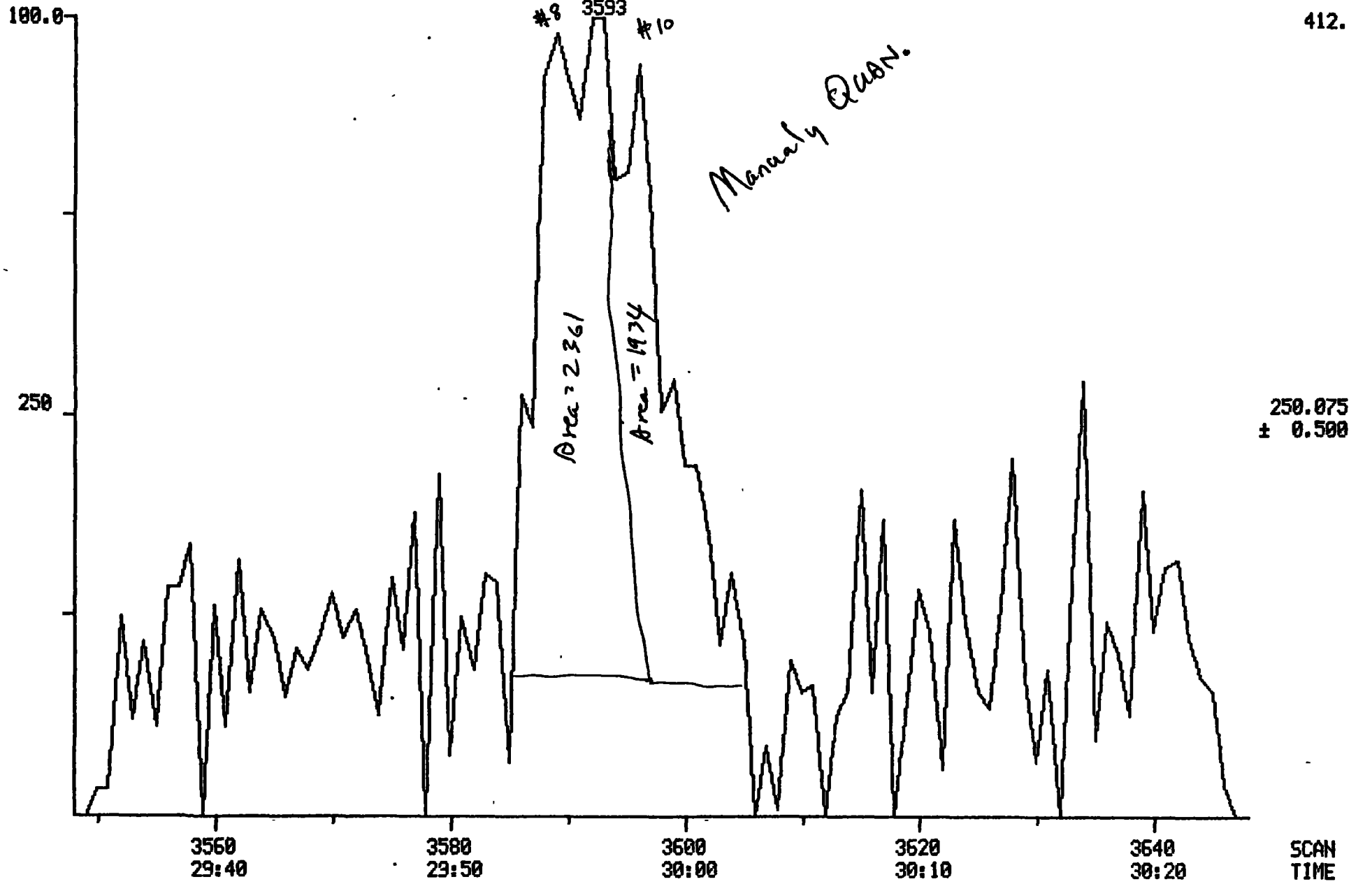
02473

MIDMASS CHROMATOGRAMS DATA: STDX827 #3270 SCANS 3220 TO 3320
06/03/88 9:22:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3263,3277 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 29, 3



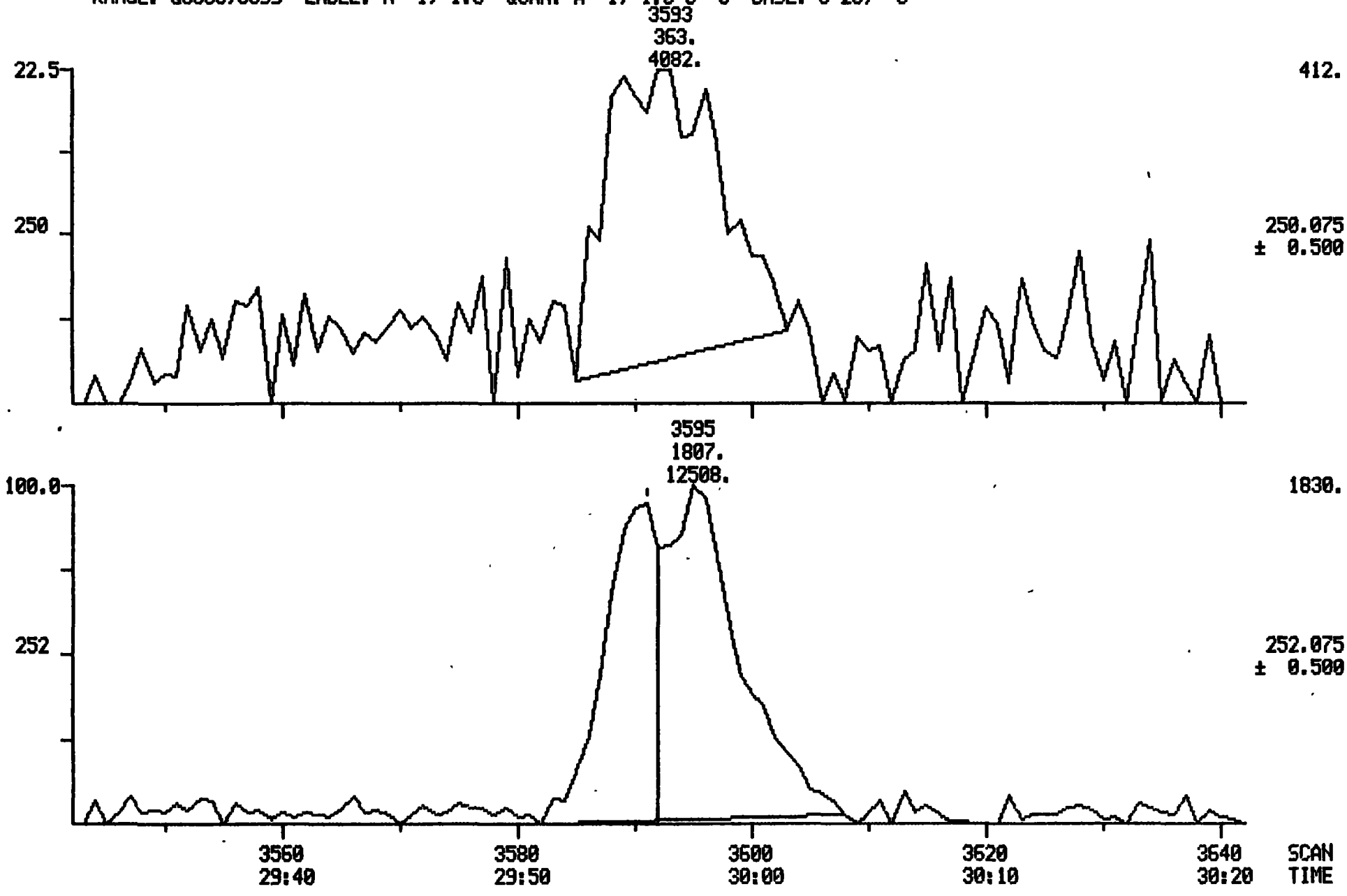
02474

MIDMASS CHROMATOGRAM DATA: STDX827 #3598 SCANS 3548 TO 3648
06/03/88 9:22:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 250 PH# 10
RANGE: G 1,3900 LABEL: N 2, 2.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



02475

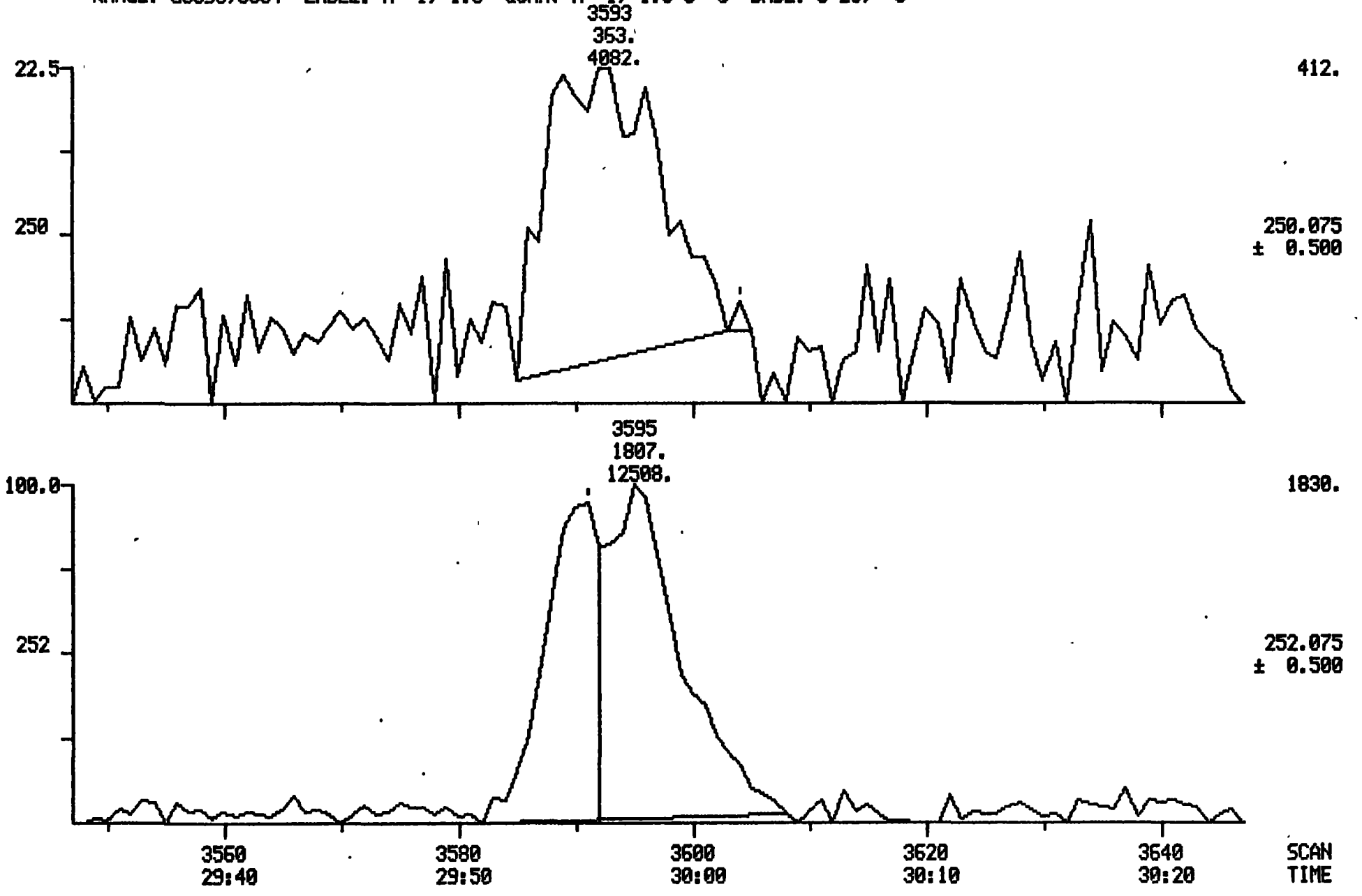
MIDMASS CHROMATOGRAMS DATA: STDX827 #3592 SCANS 3542 TO 3642
06/03/88 9:22:00 CALI: 060288CX #2
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3585,3599 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



02476

MIDMASS CHROMATOGRAMS
06/03/88 9:22:00
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3590,3604 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

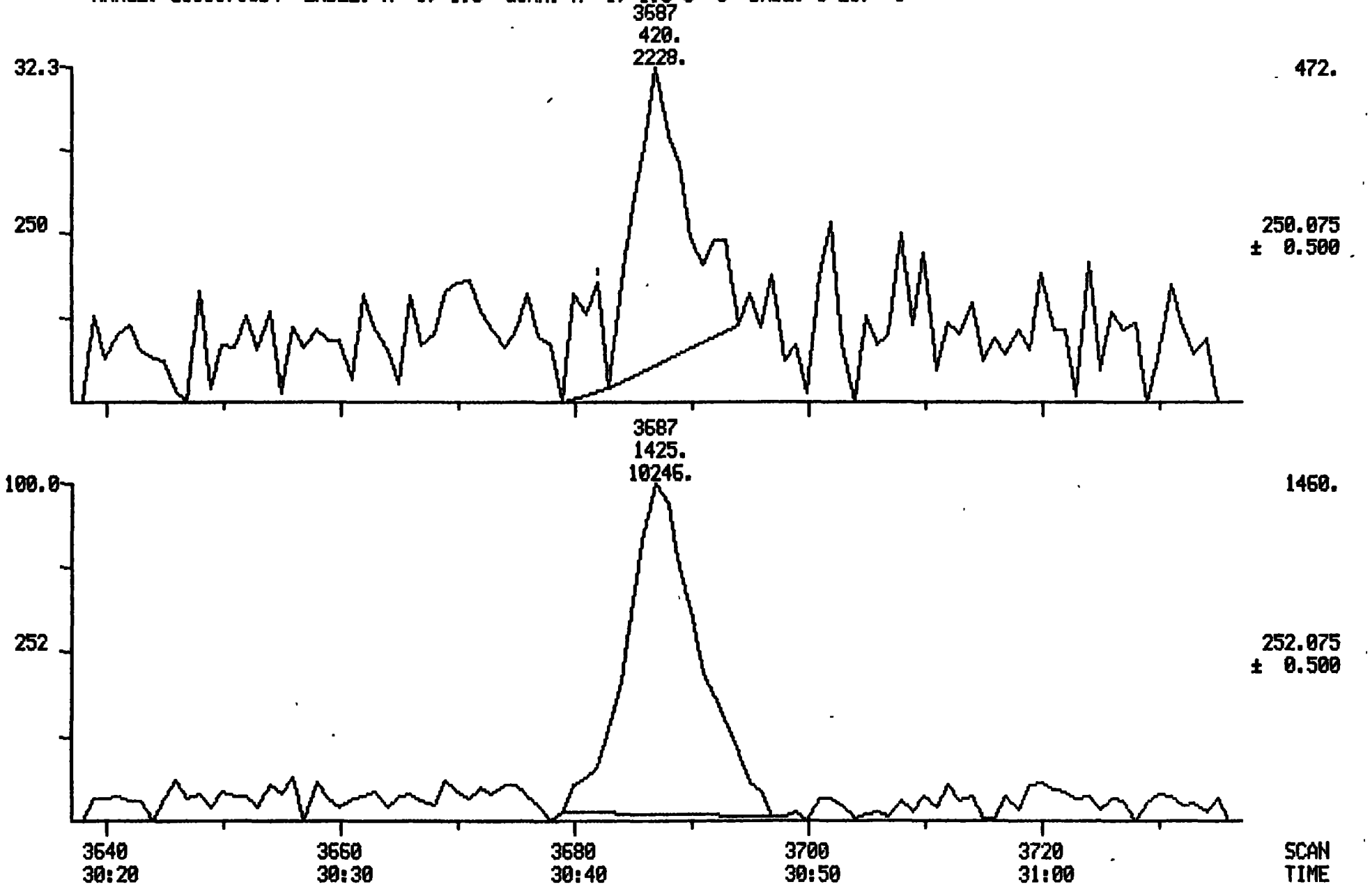
DATA: STDX827 #3597 SCANS 3547 TO 3647
CALI: 060288CX #2



02477

MIDMASS CHROMATOGRAMS
06/03/88 9:22:00
SAMPLE: 80 PPB PAH STD 10/29/87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3680,3694 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: STDX827 #3687 SCANS 3637 TO 3737
CALI: 060288CX #2



Quantitation Report File: STDX827

C2478

Data: STDX827.TI
06/03/88 9:22:00
Sample: 80 PPB PAH STD 10/29/87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(A)PYRENE	252 PH#	13
12	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3681	30:40	1	1.000	A BV	7699.	80.000	NG/ML	9.91
2	240	3261	27:10	1	0.886	A BB	10092.	68.337	NG/ML	8.47
3	228	3255	27:07	1	0.884	A BV	10737.	68.891	NG/ML	8.54
4	226	3255	27:07	1	0.884	A BV	2374.	65.832	NG/ML	8.16
5	228	3265	27:12	1	0.887	A VB	10993.	67.357	NG/ML	8.35
6	226	3265	27:12	1	0.887	A BB	2849.	66.413	NG/ML	8.23
7	252	3591	29:55	1	0.976	A BV	12508.	77.376	NG/ML	9.59
8	250	3593	29:56	1	0.976	M XX	2361.	60.567	NG/ML	7.50
9	252	3595	29:57	1	0.977	A VB	12508.	77.376	NG/ML	9.59
10	250	3596	29:58	1	0.977	M XX	1934.	49.607	NG/ML	6.15
11	252	3687	30:43	1	1.002	A BB	10246.	76.585	NG/ML	9.49
12	250	3687	30:43	1	1.002	A BB	2228.	48.792	NG/ML	6.05

Quantitation Report File: STDX827

02479

Data: STDX827.TI
06/03/88 9:22:00
Sample: 80 PPB PAH STD 10/29/87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(A)PYRENE	252 PH#	13
12	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	264	3681	30:40	1	1.000	A BV	7699.	80.000 NG/ML	8.33
2	240	3261	27:10	1	0.886	A BB	10092.	80.000 NG/ML	8.33
3	228	3255	27:07	1	0.884	A BV	10737.	80.000 NG/ML	8.33
4	226	3255	27:07	1	0.884	A BV	2374.	80.000 NG/ML	8.33
5	228	3265	27:12	1	0.887	A VB	10993.	80.000 NG/ML	8.33
6	226	3265	27:12	1	0.887	A BB	2849.	80.000 NG/ML	8.33
7	252	3591	29:55	1	0.976	A BV	12508.	80.000 NG/ML	8.33
8	250	3593	29:56	1	0.976	M XX	2361.	80.000 NG/ML	8.33
9	252	3595	29:57	1	0.977	A VB	12508.	80.000 NG/ML	8.33
10	250	3596	29:58	1	0.977	M XX	1934.	80.000 NG/ML	8.33
11	252	3687	30:43	1	1.002	A BB	10246.	80.000 NG/ML	8.33
12	250	3687	30:43	1	1.002	A BB	2228.	80.000 NG/ML	8.33

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: 2: STDX833. STARTED : 6/03/88 16:04:46

02480

6/3/88 15:31:10 SCAN 1 OF 3900
Acquisition started

Acquire | Run 2: STDX833 | ACQUIRING
06/03/88 15:31:00 + 0:05 | Free sectors: 20197 | Scan: 10 of 3900
Sample: 80 PPB PAH STD. 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: | Instrument: 4500 | Weight: 80.000
Submitted by: RMAL | Analyst: JGG | Acct. No: 59436

********** GC PARAMETERS **********
Loaded GC Desc: PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc: PA GC elapsed time : 0: 7 min Int. oven : 300 DegC

Seq. #	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan | Desc: P1 | Mass intervals: 3
Scan time: 0.500 s | Samp. int.: 0.200 ms | Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

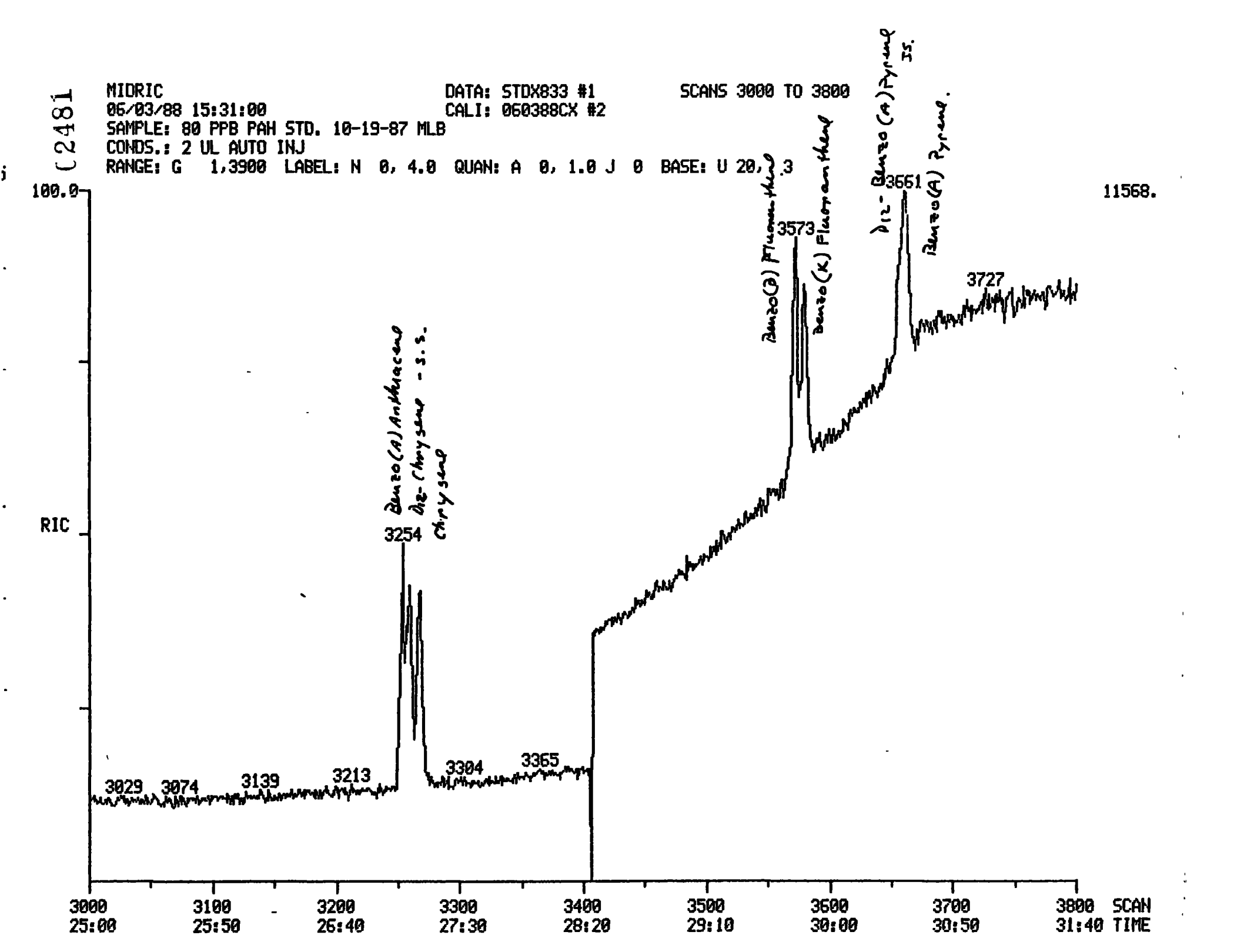
6/3/88 15:59:34 SCAN 3407 OF 3900

MID scan | Desc: P2 | Mass intervals: 3
Scan time: 0.500 s | Samp. Int.: 0.200 ms | Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.106	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.106	1	100	0	1	1	Pos

6/3/88 16:03:52
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3900 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec


C2481
MIDRIC
06/03/88 15:31:00
SAMPLE: 80 PPB PAH STD. 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1.3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, .3
DATA: STDX833 #1
CALI: 060388CX #2
SCANS 3000 TO 3800
100.0
11568.
RIC
3029
3074
3139
3213
3254
3304
3365
3573
3661
3727
Benzo(A) Anthracene
Chrysene - S.S.
Benzo(B) Fluoranthene
Benzo(K) Fluoranthene
Benzo(A) Pyrene
3000 25:00
3100 25:50
3200 26:40
3300 27:30
3400 28:20
3500 29:10
3600 30:00
3700 30:50
3800 31:40
SCAN
TIME

Quantitation Report File: STDX833

02482

Data: STDX833.TI
06/03/88 15:31:00
Sample: 80 PPB PAH STD. 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	D12-BENZO(A)PYRENE	264IPH# 01
2	D12-CHRYSENE	240SPH# 02
3	BENZO(A)ANTHRACENE	228 PH# 03
4	BENZO(A)ANTHRACENE	226 PH# 04
5	CHRYSENE	228 PH# 05
6	CHRYSENE	226 PH# 06
7	BENZO(B)FLUORANTHENE	252 PH# 07
8	BENZO(B)FLUORANTHENE	250 PH# 08
9	BENZO(K)FLUORANTHENE	252 PH# 09
10	BENZO(K)FLUORANTHENE	250 PH# 10
11	BENZO(J)FLUORANTHENE	252 PH# 11
12	BENZO(J)FLUORANTHENE	250 PH# 12
13	BENZO(A)PYRENE	252 PH# 13
14	BENZO(A)PYRENE	250 PH# 14

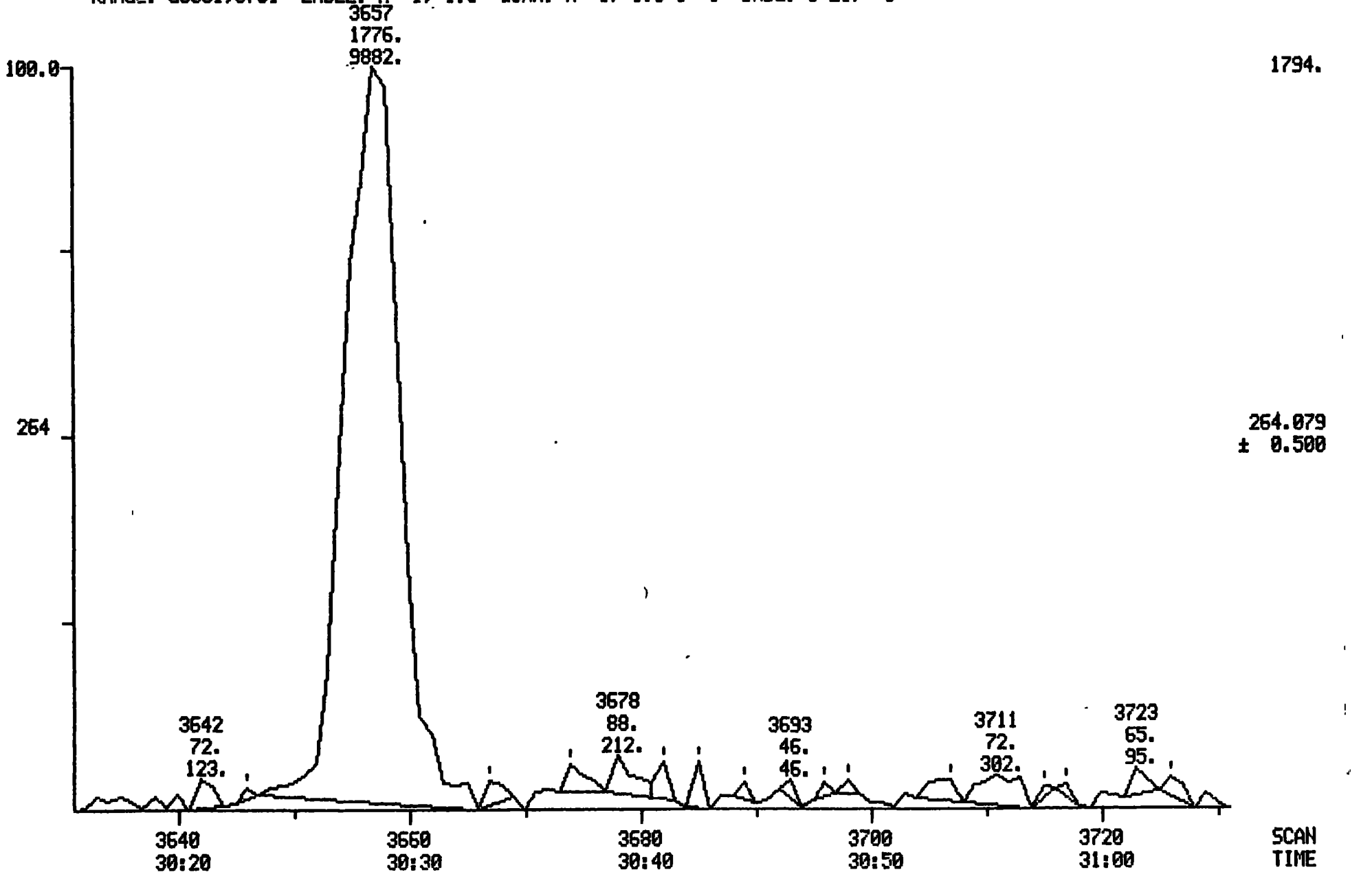
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3657	30:28	1	1.000	A BB	9882.	80.000	NG/ML	13.55
2	240	3235	26:57	1	0.885	A BB	89.	0.553	NG/ML	0.09
3	228	3227	26:53	1	0.882	A BB	109.	0.636	NG/ML	0.11
4	226	3235	26:57	1	0.885	A BB	240.	6.302	NG/ML	1.07
5	228	3240	27:00	1	0.886	A BB	56.	0.318	NG/ML	0.05
6	226	3247	27:03	1	0.888	A BB	45.	0.995	NG/ML	0.17
7	252	3573	29:46	1	0.977	A BV	14802.	73.758	NG/ML	12.49
8	250	3573	29:46	1	0.977	A BV	3276.	86.469	NG/ML	14.64
9	252	3573	29:46	1	0.977	A BV	14739.	73.448	NG/ML	12.44
10	250	3573	29:46	1	0.977	A BV	3276.	105.574	NG/ML	17.88
11	252	3590	29:55	1	0.982	A VB	317.	1.714	NG/ML	0.29
12	250	3592	29:56	1	0.982	A BB	344.	8.426	NG/ML	1.43
13	252	3662	30:31	1	1.001	A BB	11694.	71.138	NG/ML	12.05
14	250	3661	30:30	1	1.001	A BB	2904.	81.241	NG/ML	13.76

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:40	0.99	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:10	0.99	0.886	1.00	0.55	80.00	0.009	1.311	0.01
3	27:07	0.99	0.884	1.00	0.64	80.00	0.011	1.395	0.01
4	27:07	0.99	0.884	1.00	6.30	80.00	0.024	0.308	0.08
5	27:12	0.99	0.887	1.00	0.32	80.00	0.006	1.428	0.00
6	27:12	0.99	0.887	1.00	1.00	80.00	0.005	0.370	0.01
7	29:55	0.99	0.976	1.00	73.76	80.00	1.498	1.625	0.92
8	29:56	0.99	0.976	1.00	86.47	80.00	0.332	0.307	1.08
9	29:57	0.99	0.977	1.00	73.45	80.00	1.492	1.625	0.92
10	29:58	0.99	0.977	1.00	105.57	80.00	0.332	0.251	1.32
11	29:41	1.01	0.982	1.00	1.71	80.00	0.032	1.496	0.02

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
12	29: 41	1. 01	0. 982	1. 00	8. 43	80. 00	0. 035	0. 330	0. 11
13	30: 43	0. 99	1. 002	1. 00	71. 14	80. 00	1. 183	1. 331	0. 89
14	30: 43	0. 99	1. 002	1. 00	81. 24	80. 00	0. 294	0. 289	1. 02

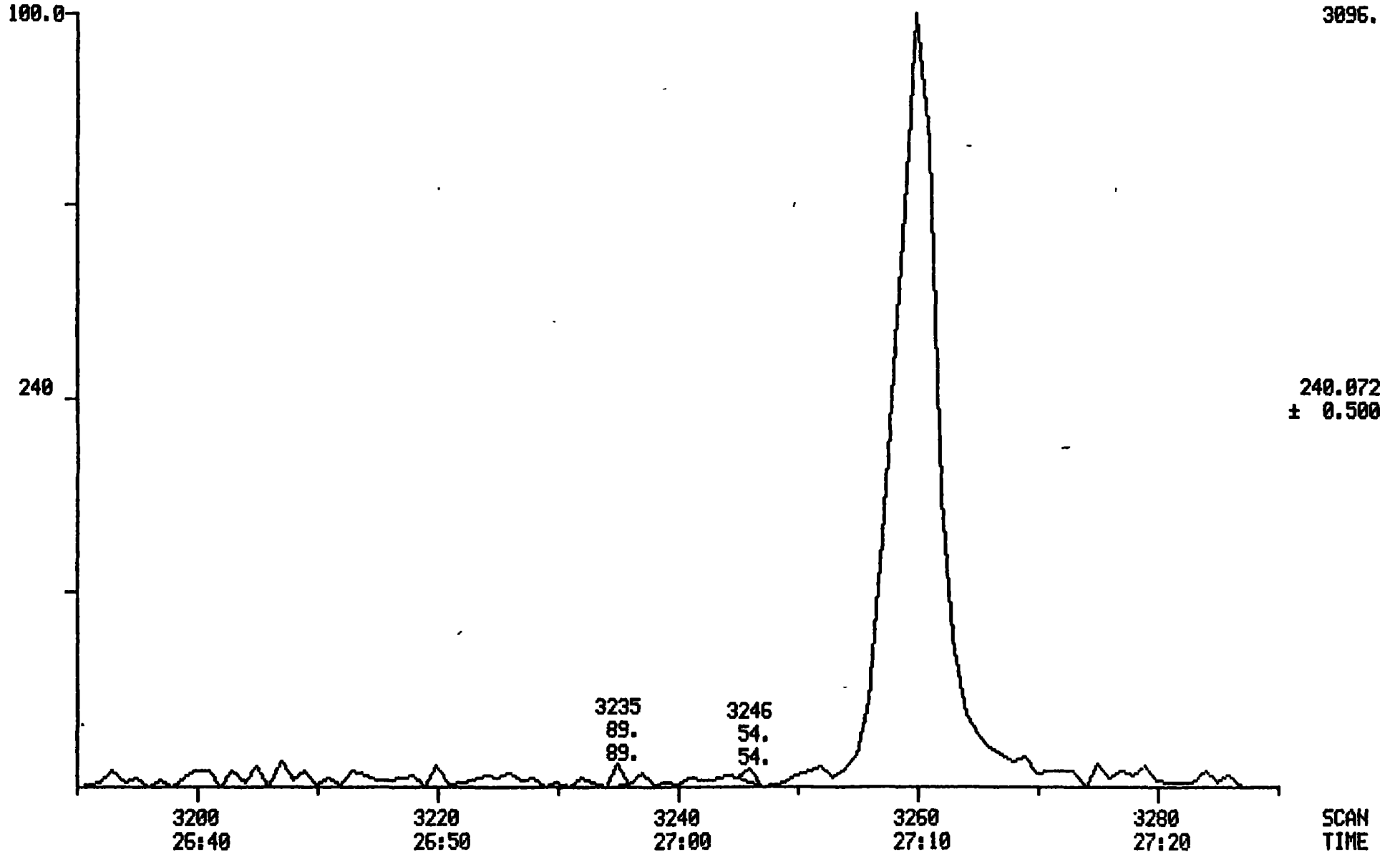
C2484

MIDMASS CHROMATOGRAM DATA: STDX833 #3681 SCANS 3631 TO 3731
06/03/88 15:31:00 CALI: 060388CX #2
SAMPLE: 80 PPB PAH STD. 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3631,3731 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



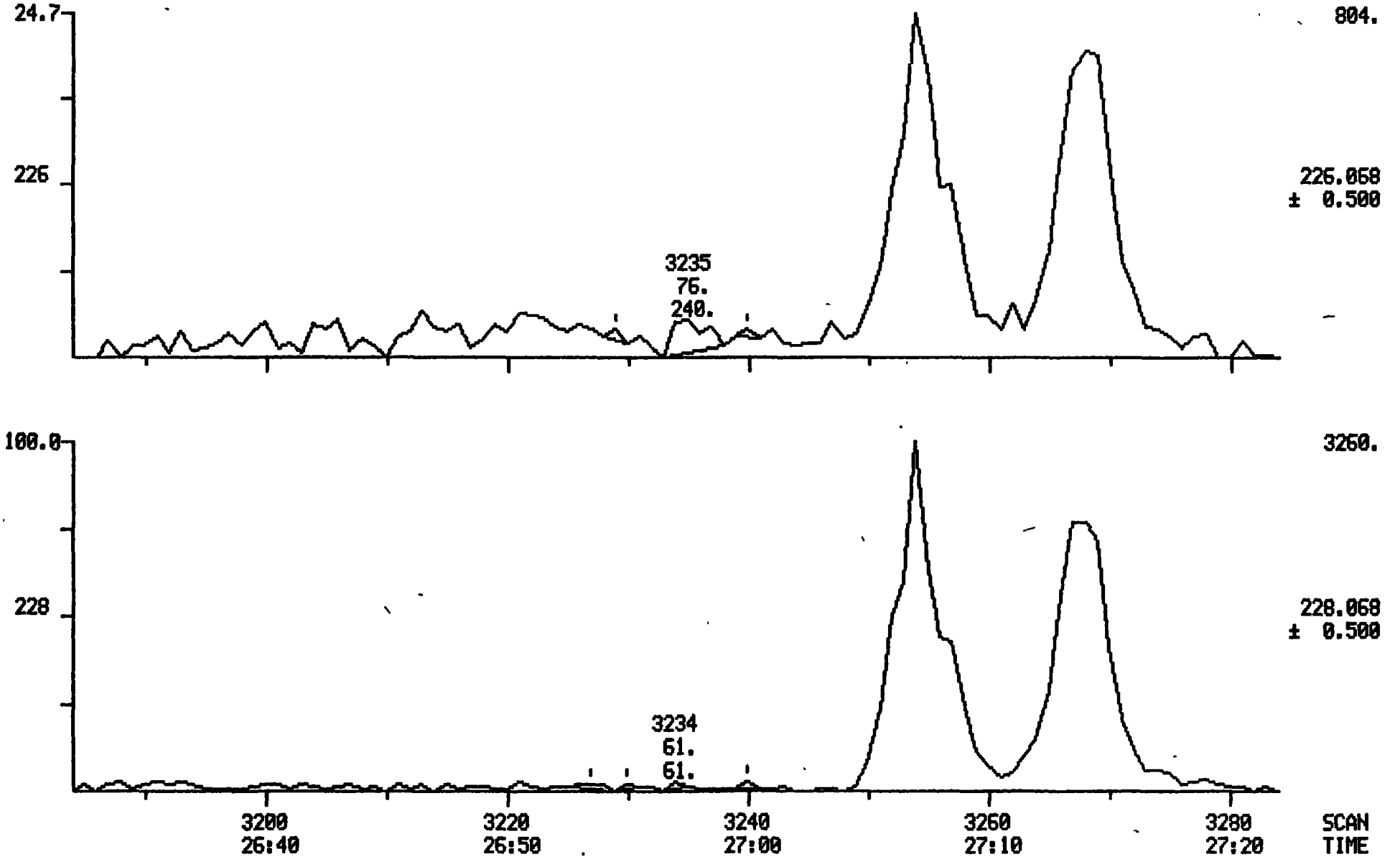
02485

MIDMASS CHROMATOGRAM DATA: STDX833 #3240 SCANS 3190 TO 3290
06/03/88 15:31:00 CALI: 060388CX #2
SAMPLE: 80 PPB PAH STD. 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3233,3247 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



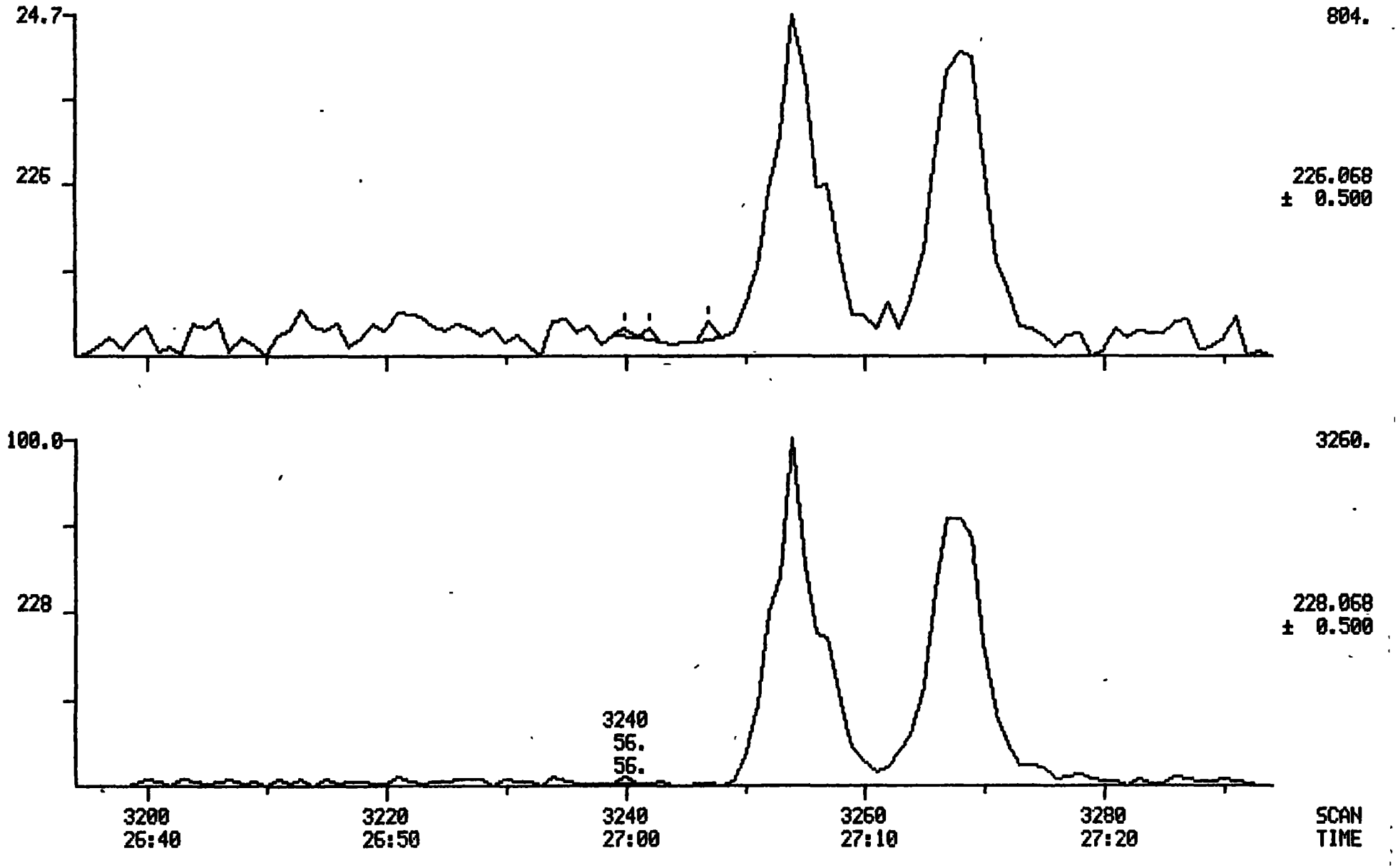
02486

MIDMASS CHROMATOGRAMS DATA: STDX833 #3234 SCANS 3184 TO 3284
06/03/88 15:31:00 CALI: 060388CX #2
SAMPLE: 80 PPB PAH STD. 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3227,3241 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



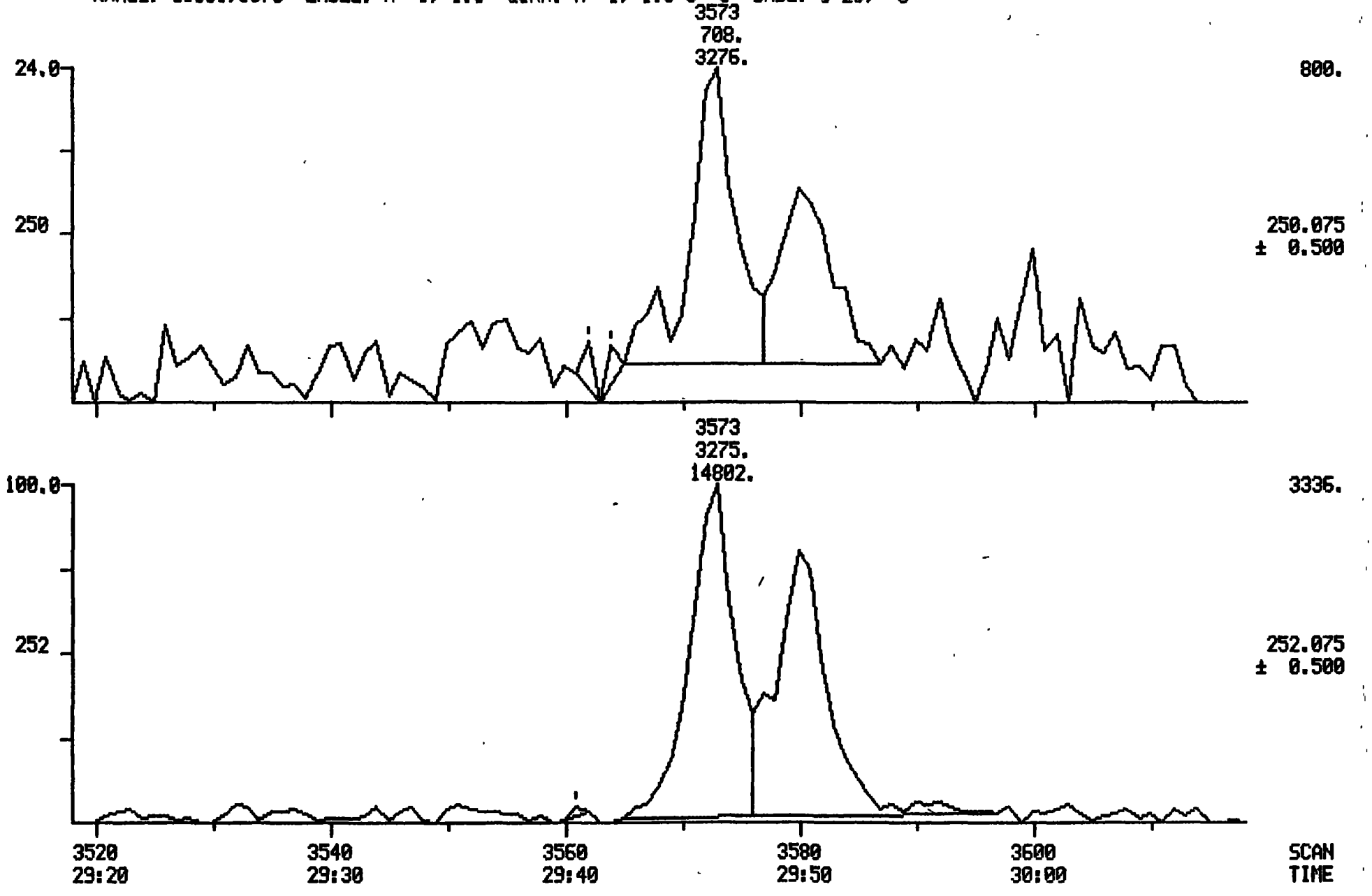
02487

MIDMASS CHROMATOGRAMS DATA: STDX833 #3244 SCANS 3194 TO 3294
06/03/88 15:31:00 CALI: 060388CX #2
SAMPLE: 80 PPB PAH STD. 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3237,3251 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



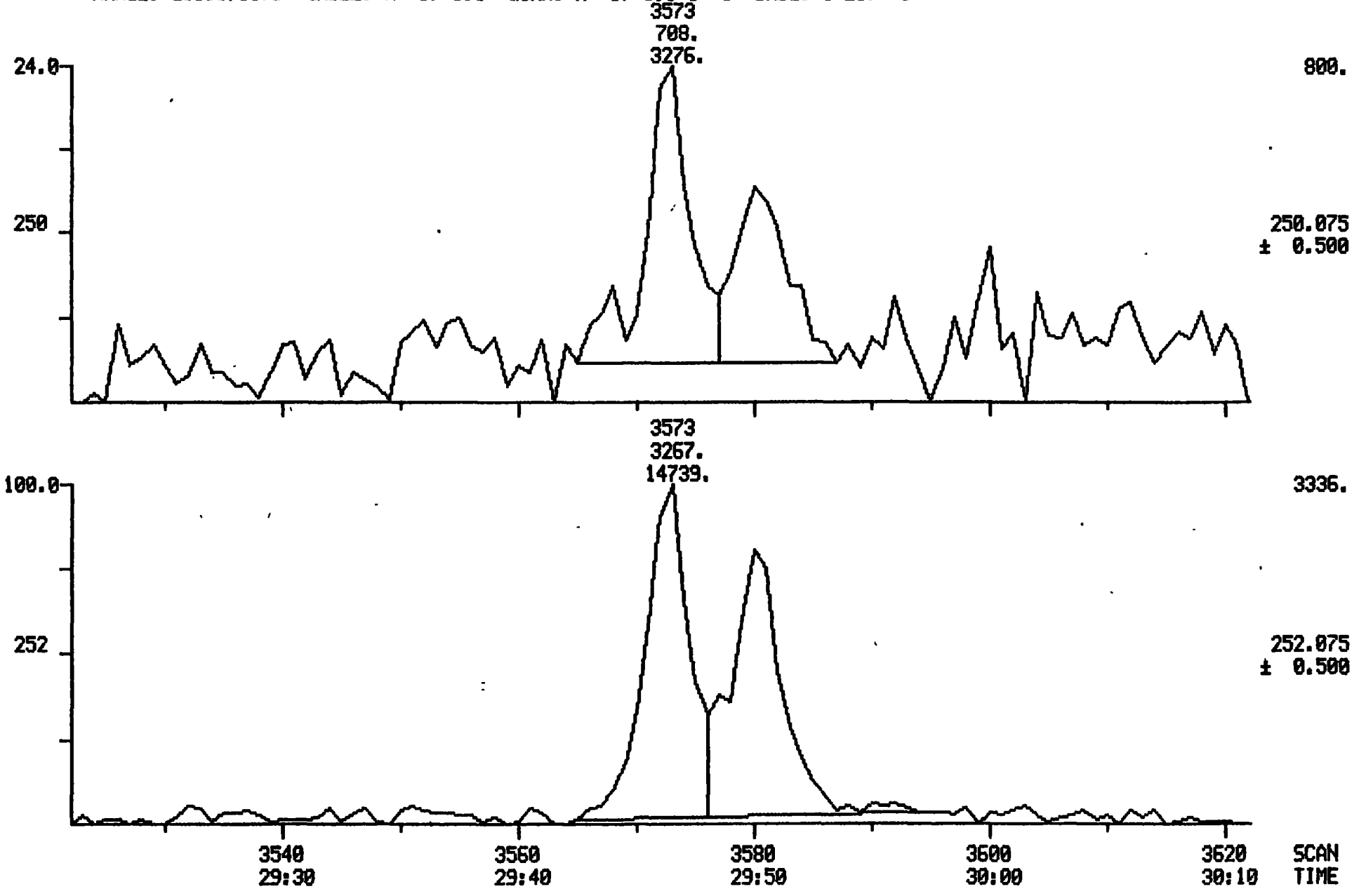
C2488

MIDMASS CHROMATOGRAMS DATA: STDX833 #3568 SCANS 3518 TO 3618
06/03/88 15:31:00 CALI: 060388CX #2
SAMPLE: 80 PPB PAH STD. 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3561,3575 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



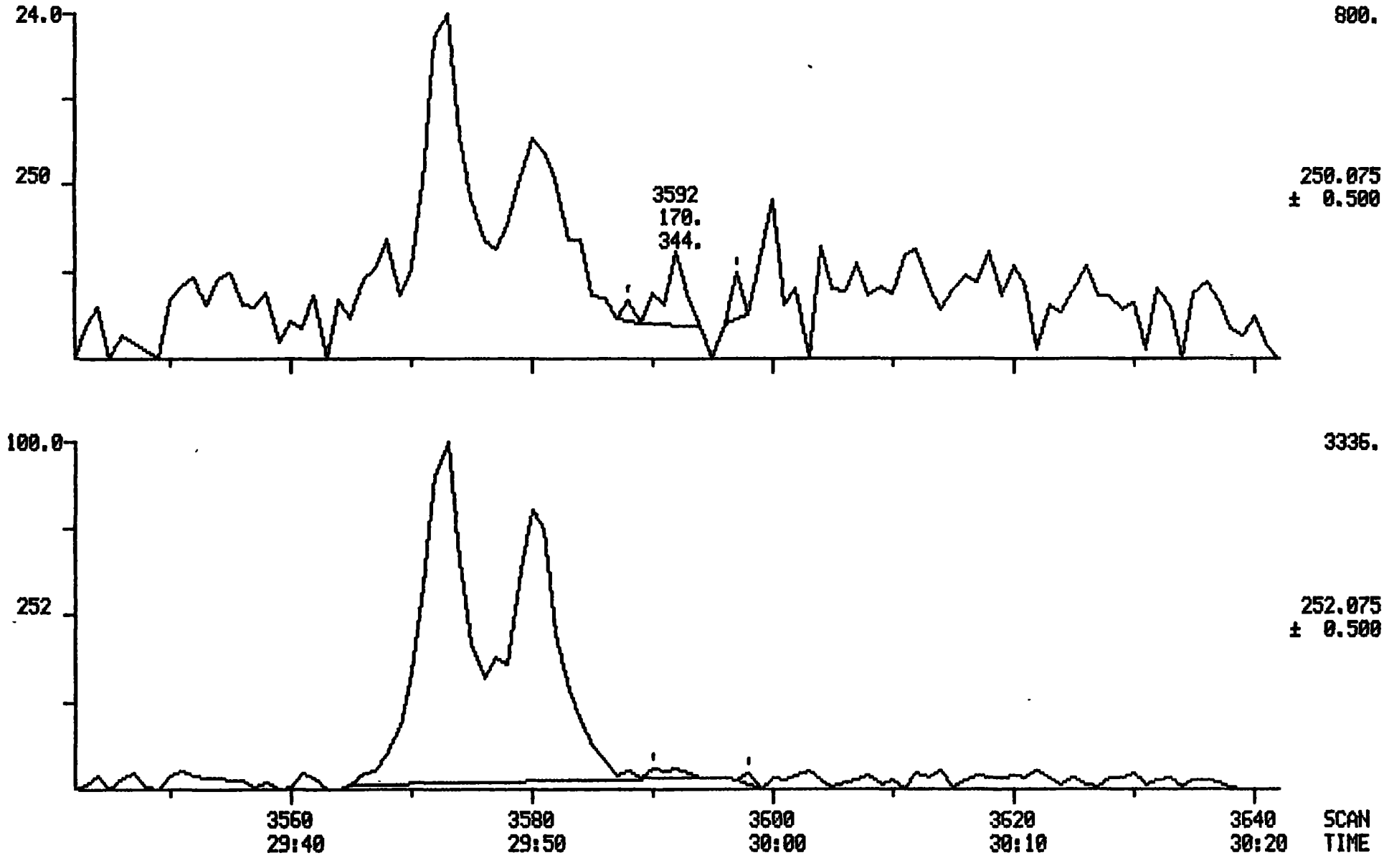
02489

MIDMASS CHROMATOGRAMS DATA: STDX833 #3572 SCANS 3522 TO 3622
06/03/88 15:31:00 CALI: 060388CX #2
SAMPLE: 80 PPB PAH STD. 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3565,3579 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



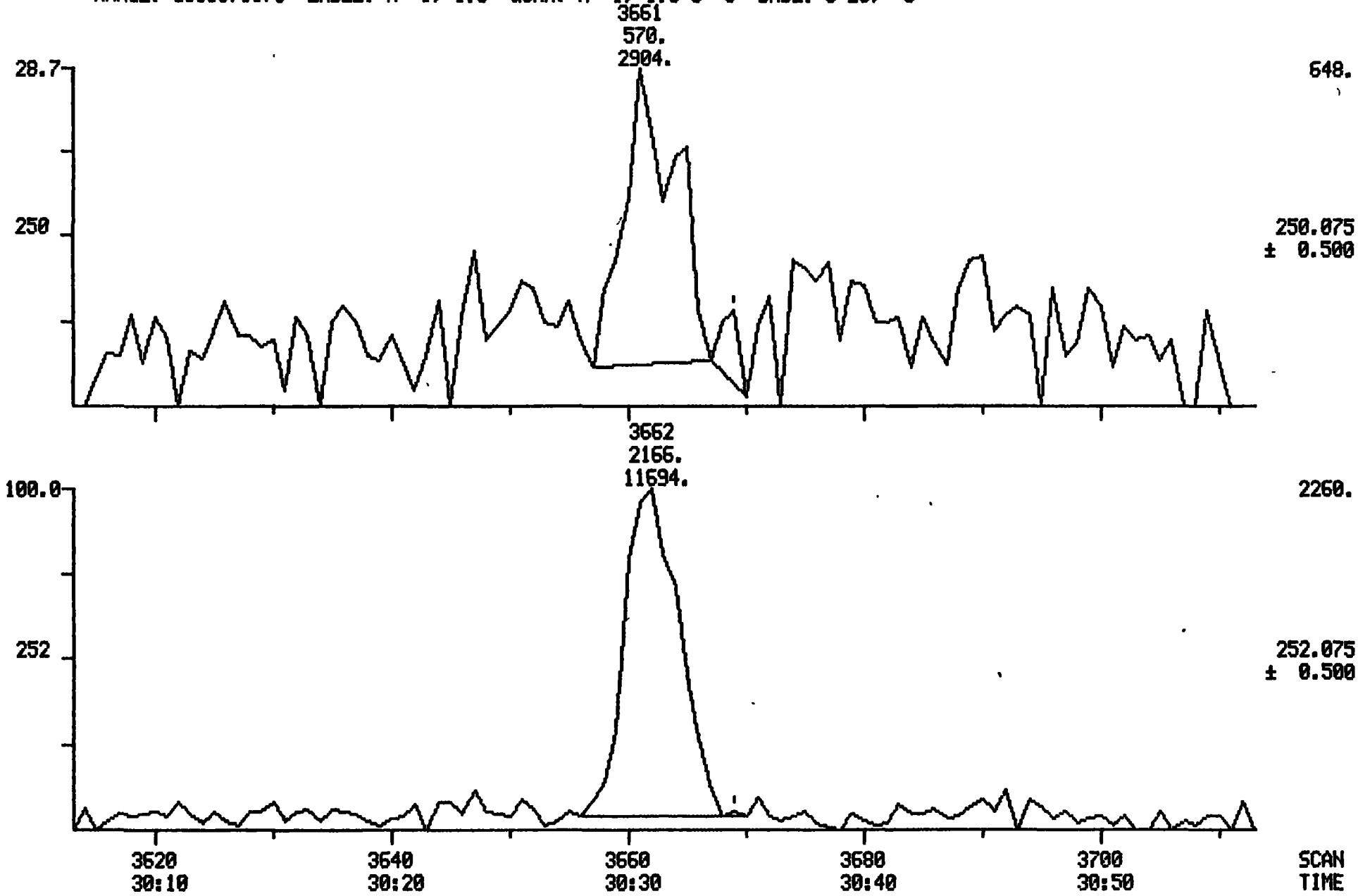
02490

MIDMASS CHROMATOGRAMS DATA: STDX833 #3592 SCANS 3542 TO 3642
06/03/88 15:31:00 CALI: 060388CX #2
SAMPLE: 80 PPB PAH STD. 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3585,3599 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



02491

MIDMASS CHROMATOGRAMS DATA: STDX833 #3663 SCANS 3613 TO 3713
06/03/88 15:31:00 CALI: 060388CX #2
SAMPLE: 80 PPB PAH STD. 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3656,3670 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: STDX833

02492

Data: STDX833.TI
06/03/88 15:31:00
Sample: 80 PPB PAH STD. 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(A)PYRENE	252 PH#	13
12	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3657	30:28	1	1.000	A BB	9882.	80.000	NG/ML	8.59
2	240	3260	27:10	1	0.891	M XX	13359.	82.505	NG/ML	8.86
3	228	3254	27:07	1	0.890	A BV	13672.	79.371	NG/ML	8.52
4	226	3254	27:07	1	0.890	A BV	3469.	91.089	NG/ML	9.78
5	228	3268	27:14	1	0.894	A VB	13672.	77.521	NG/ML	8.32
6	226	3268	27:14	1	0.894	A VB	3469.	75.881	NG/ML	8.15
7	252	3573	29:46	1	0.977	A BV	14802.	73.758	NG/ML	7.92
8	250	3573	29:46	1	0.977	A BV	3276.	86.469	NG/ML	9.29
9	252	3580	29:50	1	0.979	A VB	12704.	63.305	NG/ML	6.80
10	250	3580	29:50	1	0.979	A VB	2140.	68.965	NG/ML	7.41
11	252	3662	30:31	1	1.001	A BB	11694.	71.138	NG/ML	7.64
12	250	3661	30:30	1	1.001	A BB	2904.	81.241	NG/ML	8.72

Quantitation Report File: STDX833

02493

Data: STDX833.TI
06/03/88 15:31:00
Sample: 80 PPB PAH STD. 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(A)PYRENE	252 PH#	13
12	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	264	3657	30:28	1	1.000	A BB	9882.	80.000 NG/ML	8.33
2	240	3260	27:10	1	0.891	M XX	13359.	80.000 NG/ML	8.33
3	228	3254	27:07	1	0.890	A BV	13672.	80.000 NG/ML	8.33
4	226	3254	27:07	1	0.890	A BV	3469.	80.000 NG/ML	8.33
5	228	3268	27:14	1	0.894	A VB	13672.	80.000 NG/ML	8.33
6	226	3268	27:14	1	0.894	A VB	3469.	80.000 NG/ML	8.33
7	252	3573	29:46	1	0.977	A BV	14802.	80.000 NG/ML	8.33
8	250	3573	29:46	1	0.977	A BV	3276.	80.000 NG/ML	8.33
9	252	3580	29:50	1	0.979	A VB	12704.	80.000 NG/ML	8.33
10	250	3580	29:50	1	0.979	A VB	2140.	80.000 NG/ML	8.33
11	252	3662	30:31	1	1.001	A BB	11694.	80.000 NG/ML	8.33
12	250	3661	30:30	1	1.001	A BB	2904.	80.000 NG/ML	8.33

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX866.TI STARTED : 6/06/88 16:00:41

02494

6/6/88 15:30:52 SCAN 1 OF 3900
Acquisition started

Acquire Run 2:STDX866 ACQUIRING
06/06/88 15:30:00 + 0:04 Free sectors: 11369 Scan: 8 of 3900
Sample: 59444-15 PAH/WATER 100%/0.5ML
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No: 59436

********** GC PARAMETERS **********
Loaded GC Desc:PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:PA GC elapsed time : 0: 3 min Int.oven : 300 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.105	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/6/88 15:59:16 SCAN 3408 OF 3900

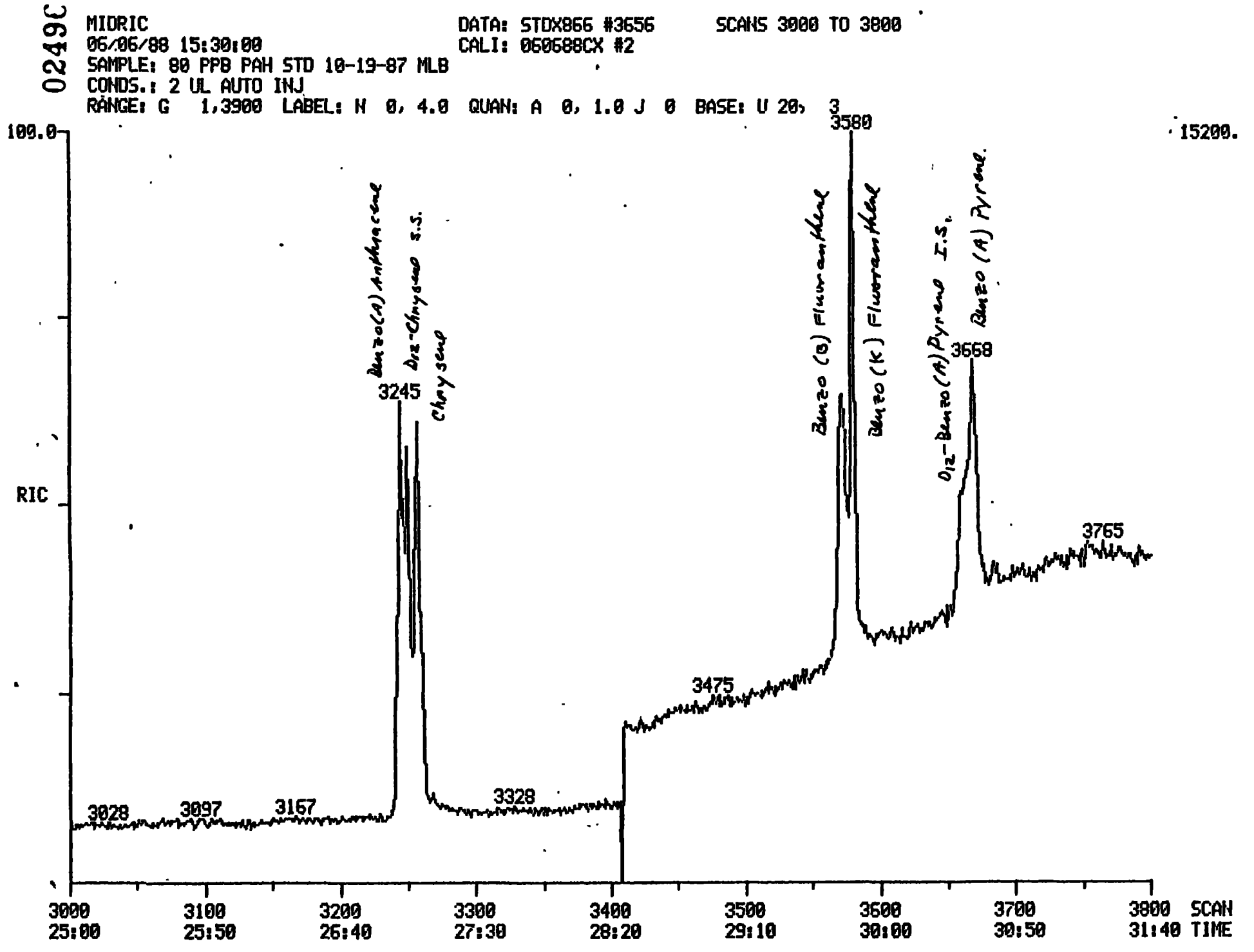
MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

6/6/88 16:03:28
ACQUISITION COMPLETED
SCANS 1 TO 3407 Centroid
SCAN 3408 Suspended
SCANS 3409 TO 3900 Centroid

Mode	an	s	o	o			
Centroid	3899	180.0	1949.5	9.2	13559.	3.	7.

02495


0249C
MIDRIC
06/06/88 15:30:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1,3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDX866 #3656 SCANS 3000 TO 3800
CALI: 060688CX #2
100.0
15200.
RIC
Benzo(A) Anthracene
3245
Dbz-Chrysene S.S.
Chrysene
3328
3580
Benzo (B) Fluoranthene
Benzo (K) Fluoranthene
3475
D12-Benzo(A)Pyrene I.S.
3668
Benzo (A) Pyrene
3765
3028
3097
3167
3000 25:00
3100 25:50
3200 26:40
3300 27:30
3400 28:20
3500 29:10
3600 30:00
3700 30:50
3800 31:40
SCAN
TIME

Quantitation Report . File: STDX866

02497

Data: STDX866.TI
06/06/88 15:30:00
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264	IPH# 01
2	D12-CHRYSENE	240	SPH# 02
3	BENZO(A)ANTHRACENE	228	PH# 03
4	BENZO(A)ANTHRACENE	226	PH# 04
5	CHRYSENE	228	PH# 05
6	CHRYSENE	226	PH# 06
7	BENZO(B)FLUORANTHENE	252	PH# 07
8	BENZO(B)FLUORANTHENE	250	PH# 08
9	BENZO(B)FLUORANTHENE	250	PH# 08
10	BENZO(K)FLUORANTHENE	252	PH# 09
11	BENZO(K)FLUORANTHENE	252	PH# 09
12	BENZO(K)FLUORANTHENE	250	PH# 10
13	BENZO(K)FLUORANTHENE	250	PH# 10
14	BENZO(J)FLUORANTHENE	252	PH# 11
15	BENZO(J)FLUORANTHENE	250	PH# 12
16	BENZO(J)FLUORANTHENE	250	PH# 12
17	BENZO(A)PYRENE	252	PH# 13
18	BENZO(A)PYRENE	250	PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3660	30:30	1	1.000	A BB	20018.	80.000	NG/ML	6.50
2	240	3250	27:05	1	0.888	A BB	32790.	82.700	NG/ML	6.72
3	228	3245	27:02	1	0.887	A BV	30129.	74.581	NG/ML	6.06
4	226	3245	27:02	1	0.887	A BV	7042.	64.055	NG/ML	5.21
5	228	3257	27:08	1	0.890	A VB	30103.	78.247	NG/ML	6.36
6	226	3257	27:08	1	0.890	A VV	8461.	74.959	NG/ML	6.09
7	252	3571	29:45	1	0.976	A BV	29454.	75.679	NG/ML	6.15
8	250	3572	29:46	1	0.976	A VV	8014.	106.716	NG/ML	8.67
~~9~~	250	3580	29:50	1	0.978	A VB	7501.	99.889	NG/ML	8.12
~~10~~	252	3571	29:45	1	0.976	A BV	29454.	78.680	NG/ML	6.39
11	252	3580	29:50	1	0.978	A VB	28811.	76.962	NG/ML	6.25
~~12~~	250	3572	29:46	1	0.976	A VV	8014.	99.521	NG/ML	8.09
13	250	3580	29:50	1	0.978	A VB	7501.	93.155	NG/ML	7.57
~~14~~	252	3589	29:54	1	0.981	A BB	280.	0.748	NG/ML	0.06
~~15~~	250	3597	29:58	1	0.983	A BB	184.	2.225	NG/ML	0.18
~~16~~	250	3600	30:00	1	0.984	A BB	188.	2.273	NG/ML	0.18
17	252	3668	30:34	1	1.002	A BV	25597.	82.779	NG/ML	6.73
18	250	3668	30:34	1	1.002	A BV	5076.	57.360	NG/ML	4.66

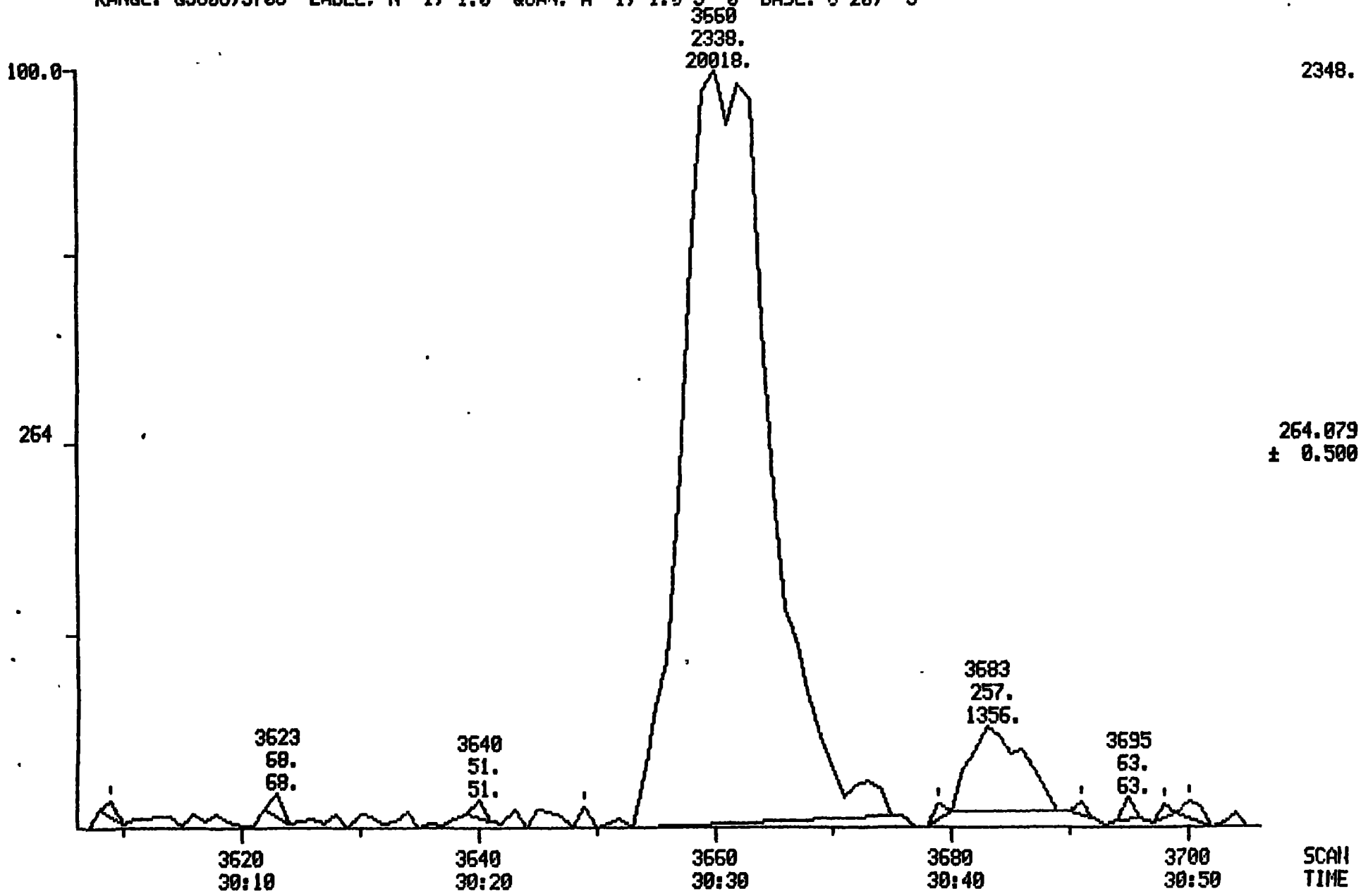
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:28	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.889	1.00	82.70	80.00	1.638	1.585	1.03
3	27:02	1.00	0.887	1.00	74.58	80.00	1.505	1.614	0.93

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
4	27:02	1.00	0.887	1.00	64.06	80.00	0.352	0.439	0.80
5	27:08	1.00	0.891	1.00	78.25	80.00	1.504	1.537	0.98
6	27:09	1.00	0.891	1.00	74.96	80.00	0.423	0.451	0.94
7	29:44	1.00	0.976	1.00	75.68	80.00	1.471	1.555	0.95
8	29:44	1.00	0.976	1.00	106.72	80.00	0.400	0.300	1.33
9	29:44	1.00	0.976	1.00	99.89	80.00	0.375	0.300	1.25
10	29:47	1.00	0.978	1.00	78.68	80.00	1.471	1.496	0.98
11	29:47	1.00	0.978	1.00	76.96	80.00	1.439	1.496	0.96
12	29:47	1.00	0.978	1.00	99.52	80.00	0.400	0.322	1.24
13	29:47	1.00	0.978	1.00	93.15	80.00	0.375	0.322	1.16
14	29:41	1.01	0.982	1.00	0.75	80.00	0.014	1.496	0.01
15	29:41	1.01	0.982	1.00	2.22	80.00	0.009	0.330	0.03
16	29:41	1.01	0.982	1.00	2.27	80.00	0.009	0.330	0.03
17	30:31	1.00	1.002	1.00	82.78	80.00	1.279	1.236	1.03
18	30:31	1.00	1.002	1.00	57.36	80.00	0.254	0.354	0.72

02498

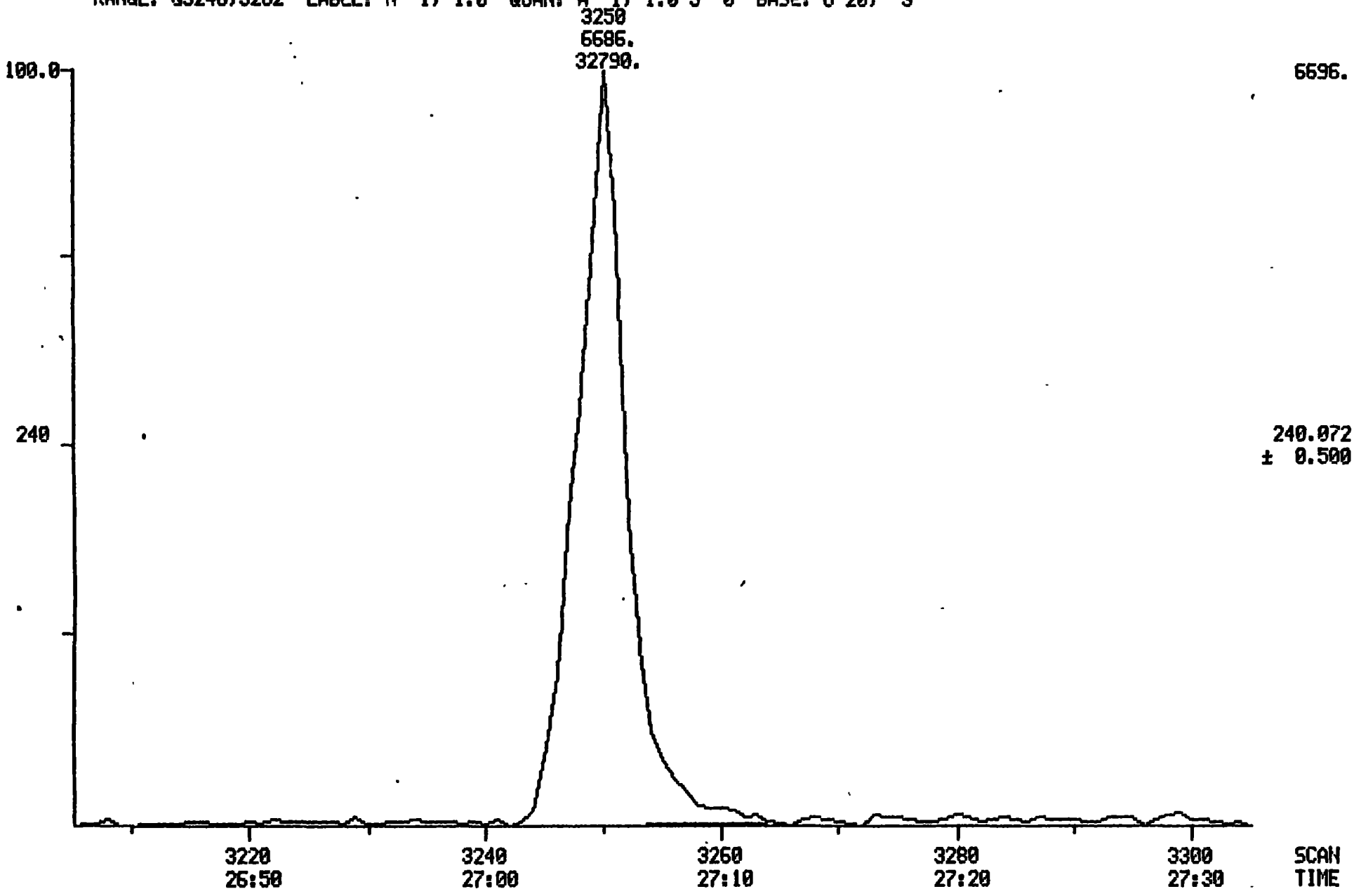
02499

MIDMASS CHROMATOGRAM DATA: STDX866 #3656 SCANS 3606 TO 3706
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3606,3706 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



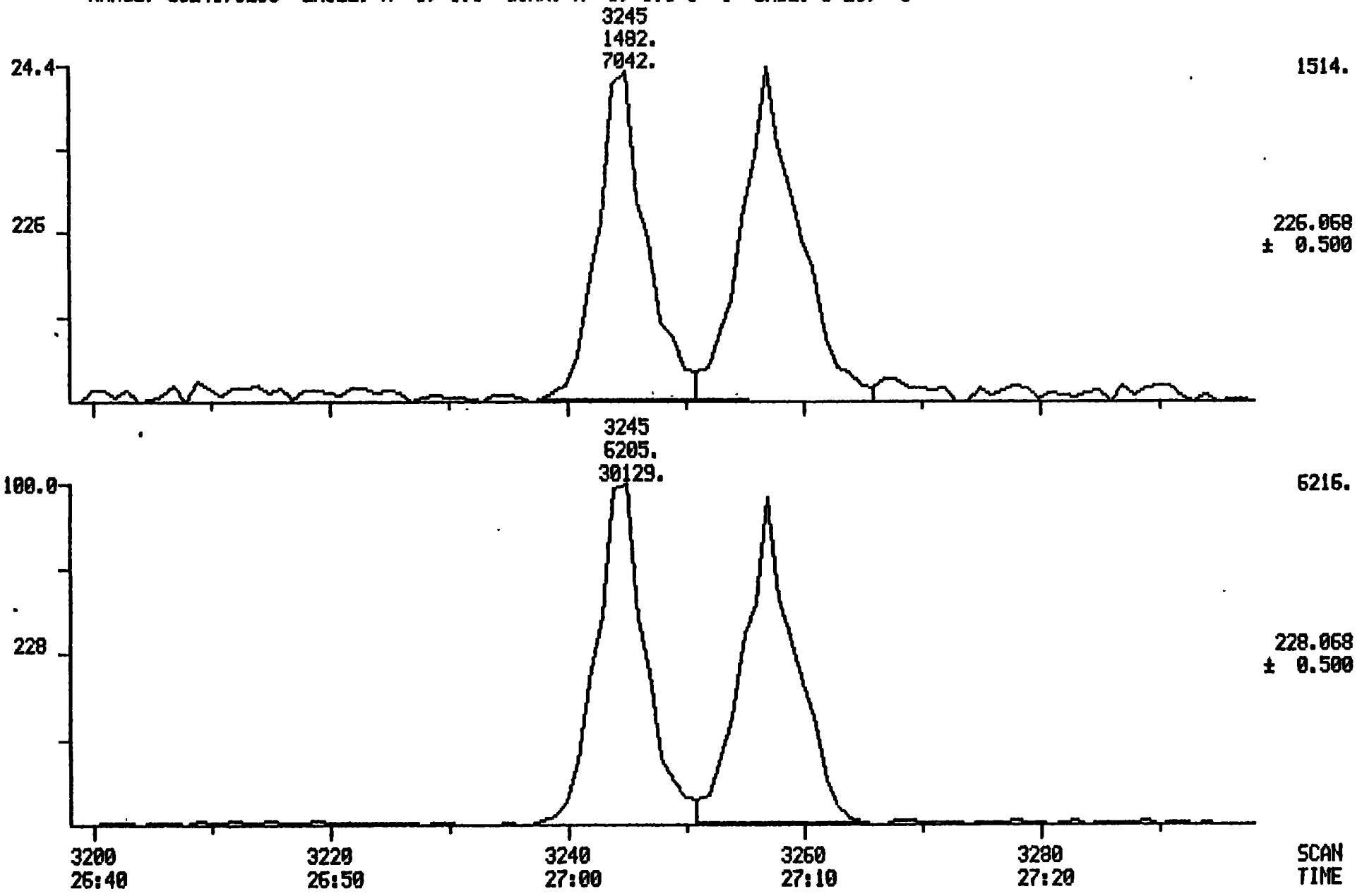
02500

MIDMASS CHROMATOGRAM DATA: STDX866 #3255 SCANS 3205 TO 3305
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3248,3262 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



02501

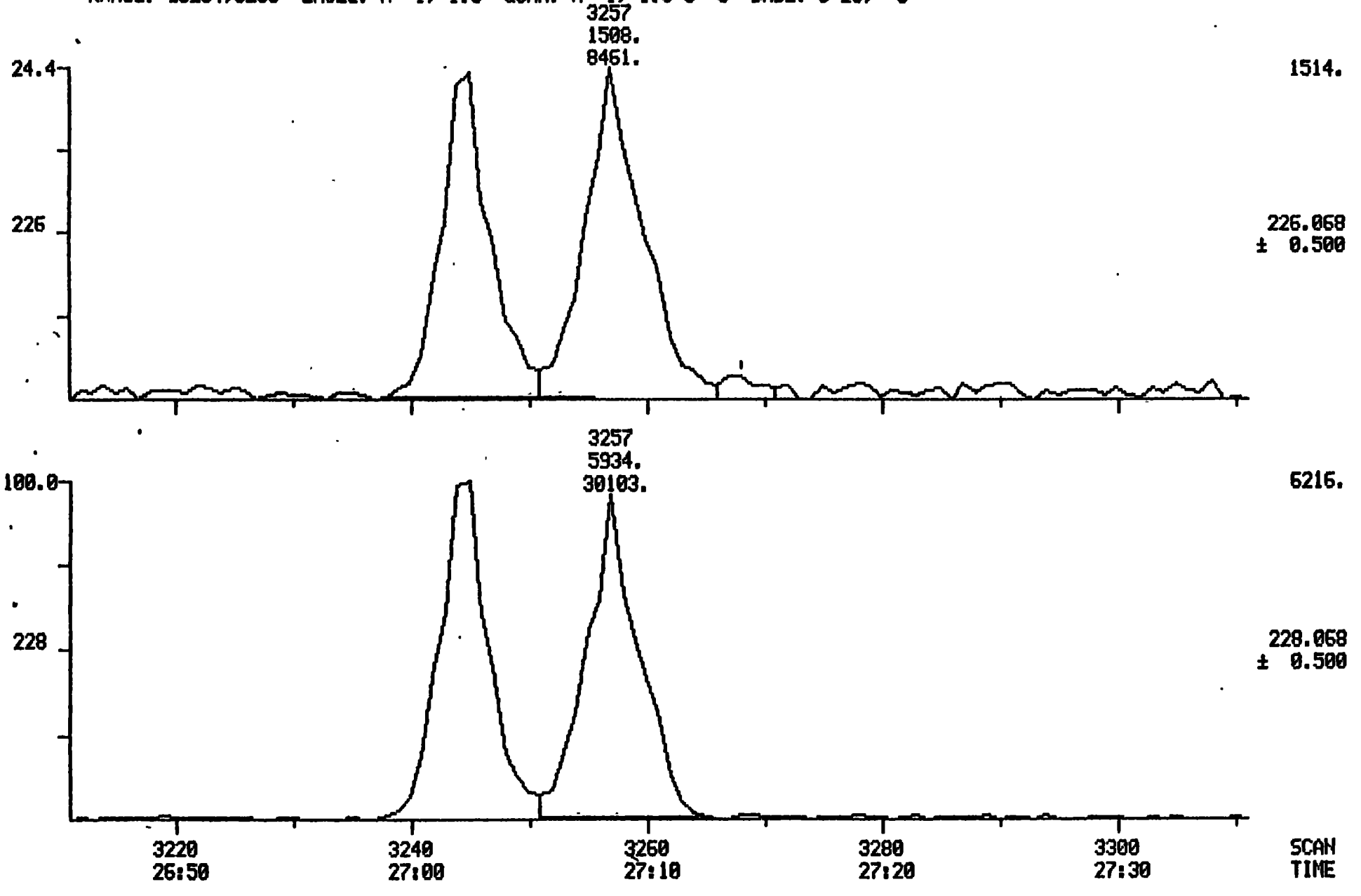
MIDMASS CHROMATOGRAMS DATA: STDX866 #3248 SCANS 3198 TO 3298
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3241,3255 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



02502

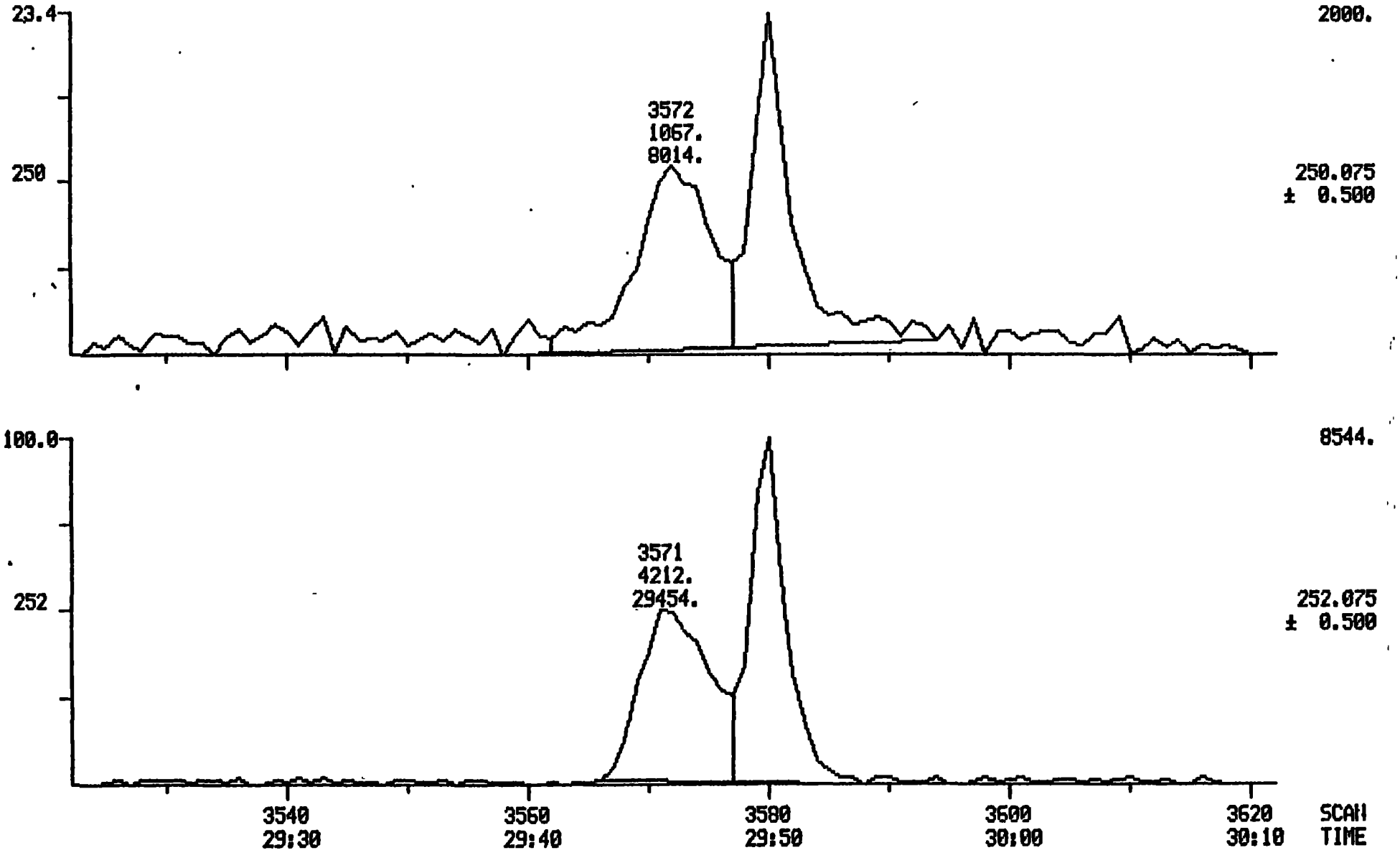
MIDMASS CHROMATOGRAMS
06/06/88 15:30:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3254,3268 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: STDX866 #3261 SCANS 3211 TO 3311
CALI: 060688CX #2



0503-02

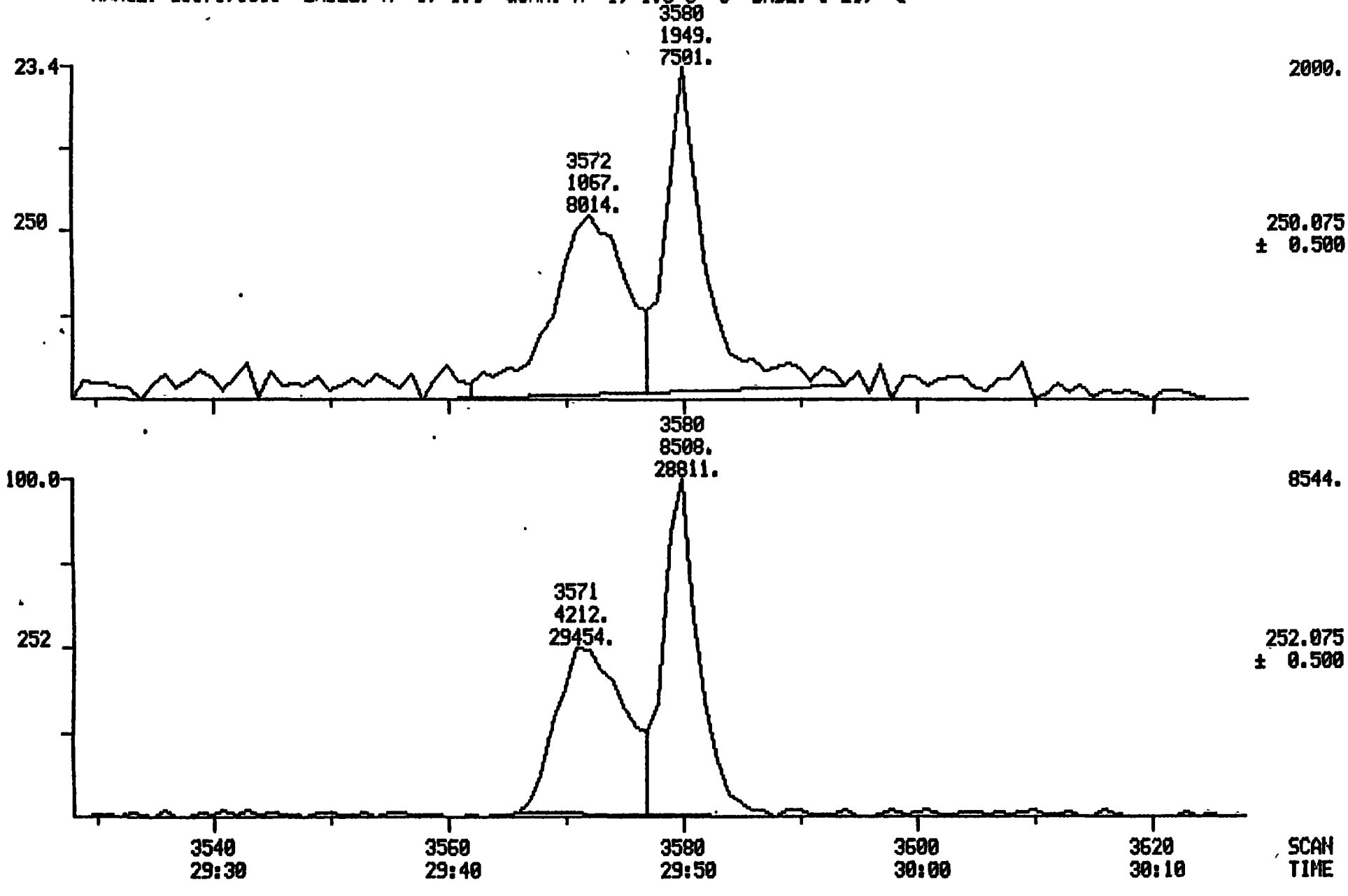
MIDMASS CHROMATOGRAMS DATA: STDX866 #3572 SCANS 3522 TO 3622
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3565,3579 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



02504

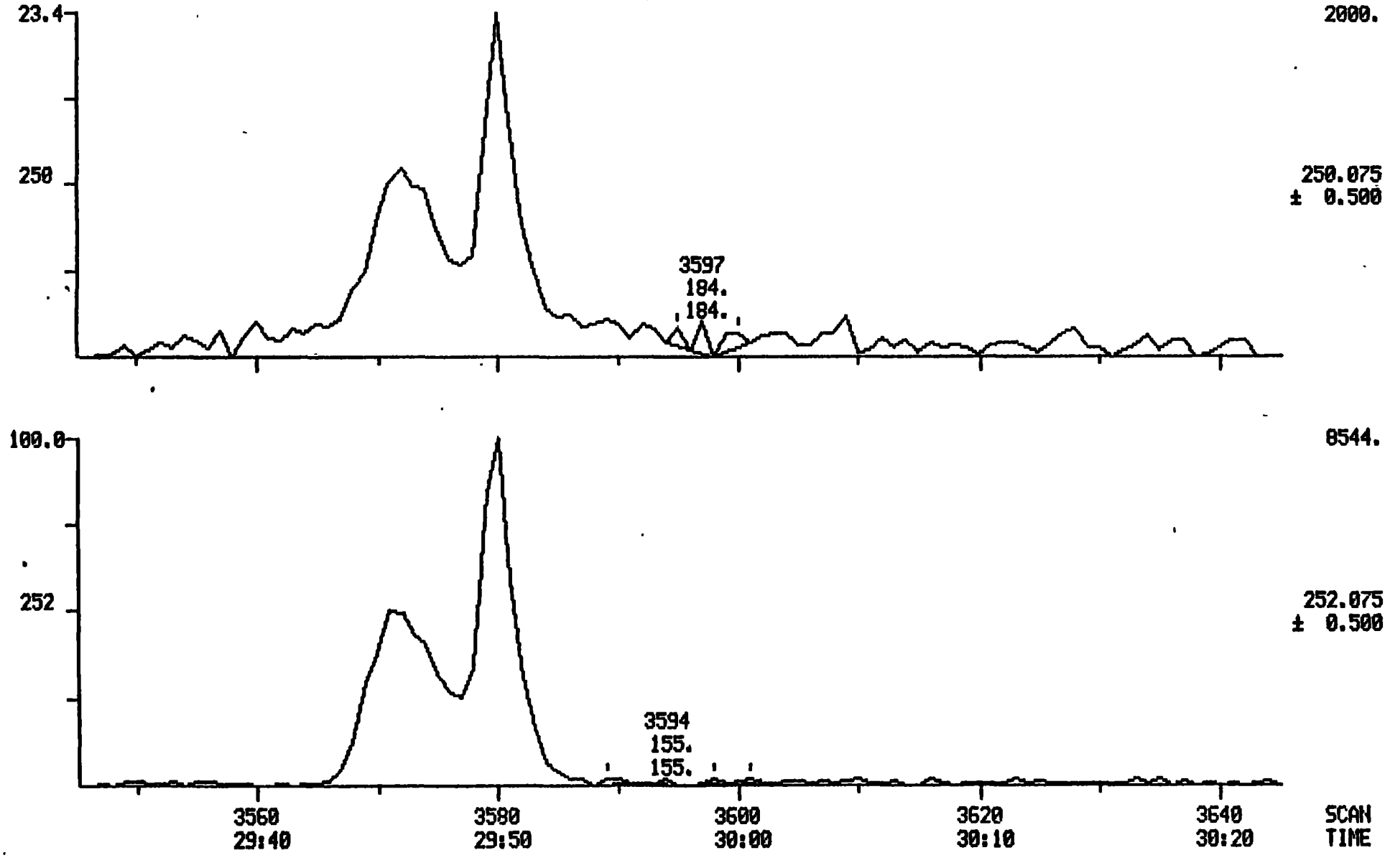
MIDMASS CHROMATOGRAMS
06/06/88 15:30:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3571,3585 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: STDX866 #3578 SCANS 3528 TO 3628
CALI: 060688CX #2



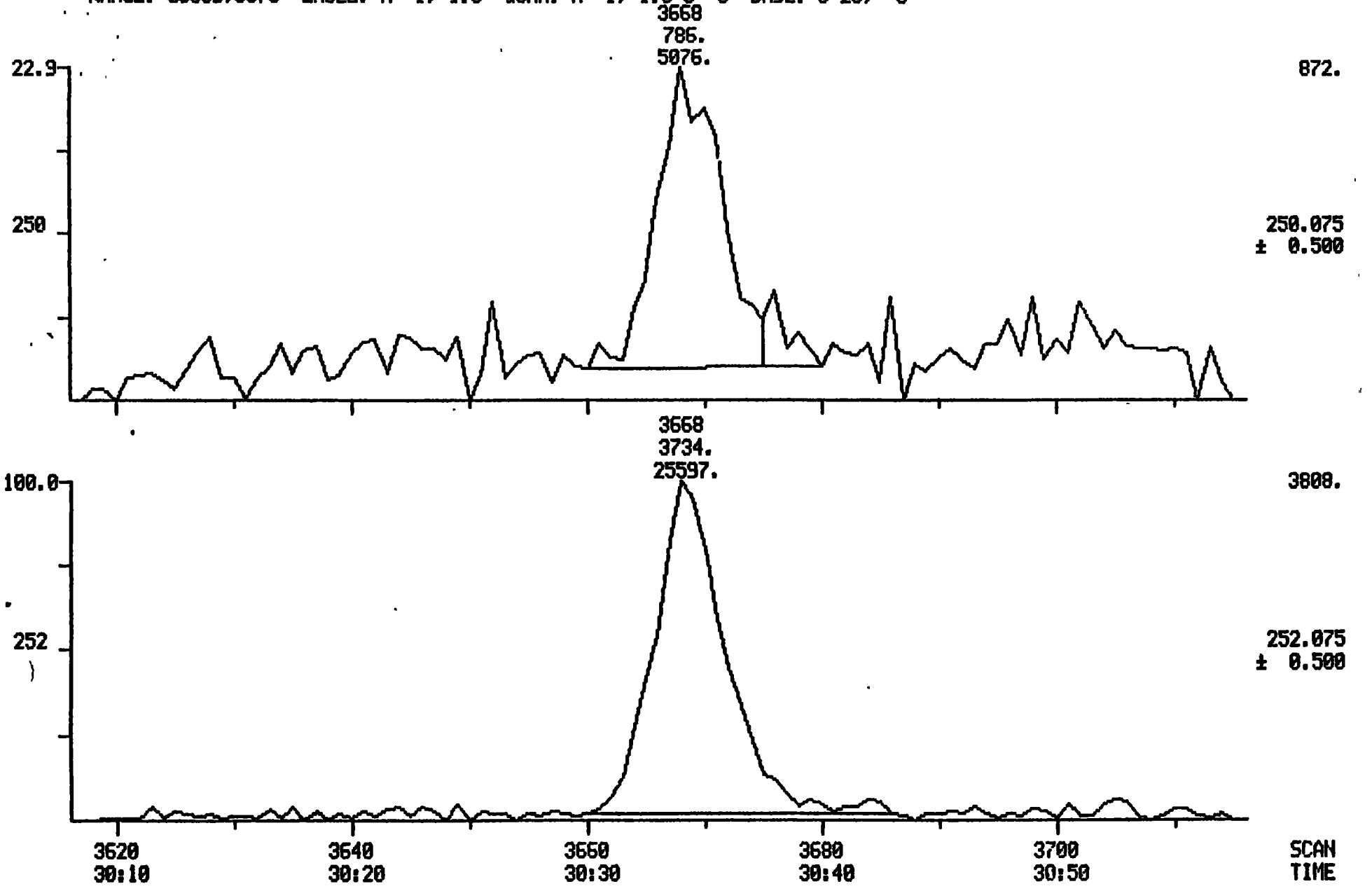
02505

MIDMASS CHROMATOGRAMS DATA: STDX866 #3595 SCANS 3545 TO 3645
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
COMDS.: 2 UL AUTO INJ
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3588,3602 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 9 BASE: U 20, 3



02506

MIOMASS CHROMATOGRAMS DATA: STDX866 #3666 SCANS 3616 TO 3716
06/06/88 15:30:00 CALI: 060688CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3659,3673 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: STDX866

Data: STDX866.TI
06/06/88 15:30:00

02507

Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264	IPH# 01
2	D12-CHRYSENE	240	SPH# 02
3	BENZO(A)ANTHRACENE	228	PH# 03
4	BENZO(A)ANTHRACENE	226	PH# 04
5	CHRYSENE	228	PH# 05
6	CHRYSENE	226	PH# 06
7	BENZO(B)FLUORANTHENE	252	PH# 07
8	BENZO(B)FLUORANTHENE	250	PH# 08
9	BENZO(K)FLUORANTHENE	252	PH# 09
10	BENZO(K)FLUORANTHENE	250	PH# 10
11	BENZO(A)PYRENE	252	PH# 13
12	BENZO(A)PYRENE	250	PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3660	30:30	1	1.000	A BB	20018.	80.000	NG/ML	7.37
2	240	3250	27:05	1	0.888	A BB	32790.	96.933	NG/ML	8.93
3	228	3245	27:02	1	0.887	A BV	30129.	87.030	NG/ML	8.01
4	226	3245	27:02	1	0.887	A BV	7042.	80.166	NG/ML	7.38
5	228	3257	27:08	1	0.890	A VB	30103.	86.955	NG/ML	8.01
6	226	3257	27:08	1	0.890	A VV	8461.	96.323	NG/ML	8.87
7	252	3571	29:45	1	0.976	A BV	29454.	78.586	NG/ML	7.24
8	250	3572	29:46	1	0.976	A VV	8014.	96.609	NG/ML	8.90
9	252	3580	29:50	1	0.978	A VB	28811.	89.564	NG/ML	8.25
10	250	3580	29:50	1	0.978	A VB	7501.	138.432	NG/ML	12.75
11	252	3668	30:34	1	1.002	A BV	25597.	86.445	NG/ML	7.96
12	250	3668	30:34	1	1.002	A BV	5076.	69.030	NG/ML	6.36

Quantitation Report File: STDX866

02508

Data: STDX866.TI
06/06/88 15:30:00
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.: 59436

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(A)PYRENE	252 PH#	13
12	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	264	3660	30:30	1	1.000	A BB	20018.	80.000 NG/ML	8.33
2	240	3250	27:05	1	0.888	A BB	32790.	80.000 NG/ML	8.33
3	228	3245	27:02	1	0.887	A BV	30129.	80.000 NG/ML	8.33
4	226	3245	27:02	1	0.887	A BV	7042.	80.000 NG/ML	8.33
5	228	3257	27:08	1	0.890	A VB	30103.	80.000 NG/ML	8.33
6	226	3257	27:08	1	0.890	A VV	8461.	80.000 NG/ML	8.33
7	252	3571	29:45	1	0.976	A BV	29454.	80.000 NG/ML	8.33
8	250	3572	29:46	1	0.976	A VV	8014.	80.000 NG/ML	8.33
9	252	3580	29:50	1	0.978	A VB	28811.	80.000 NG/ML	8.33
10	250	3580	29:50	1	0.978	A VB	7501.	80.000 NG/ML	8.33
11	252	3668	30:34	1	1.002	A BV	25597.	80.000 NG/ML	8.33
12	250	3668	30:34	1	1.002	A BV	5076.	80.000 NG/ML	8.33

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: 2: STDX880. STARTED : 6/07/88 10:25:15

6/7/88 9:51:48 SCAN 1 OF 3900
Acquisition started

02509

Acquire Run 2: STDX880 ACQUIRING
06/07/88 9:51:00 + 0:03 Free sectors: 7621 Scan: 7 of 3900
Sample: 80 PPB PAH STD. 10-19-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc: PA Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc: PA GC elapsed time : 0: 3 min Int. oven : 300 DegC

Seq.#	Temp(C)	Rate(C/m)	Time(min)	Total time(min)		Open	Close
1	30 - 30	-	1.0	1.0	Sweep/Split	0.5	0.0
2	30 - 325	10.0	29.5	30.5	Divert	45.5	0.0
3	325 - 325	-	15.0	45.5			
4	325 - 325	-	0.0	45.5			

********** SCAN PARAMETERS **********
***** Mode: Centroid positive ion + R1 (Temp)

MID scan Desc: P1 Mass intervals: 3
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	225.500	226.500	0.105	1	100	0	1	1	Pos
2	227.500	228.500	0.105	1	100	0	1	1	Pos
3	239.500	240.500	0.103	1	100	0	1	1	Pos

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

6/7/88 10:20:11 SCAN 3407 OF 3900

MID scan Desc: P2 Mass intervals: 3
Scan time: 0.500 s Samp. Int.: 0.200 ms Master rate: 1024

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL	ION
1	249.575	250.575	0.105	1	100	0	1	1	Pos
2	251.575	252.575	0.105	1	100	0	1	1	Pos
3	263.579	264.579	0.105	1	100	0	1	1	Pos

6/7/88 10:24:21
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3900 Centroid

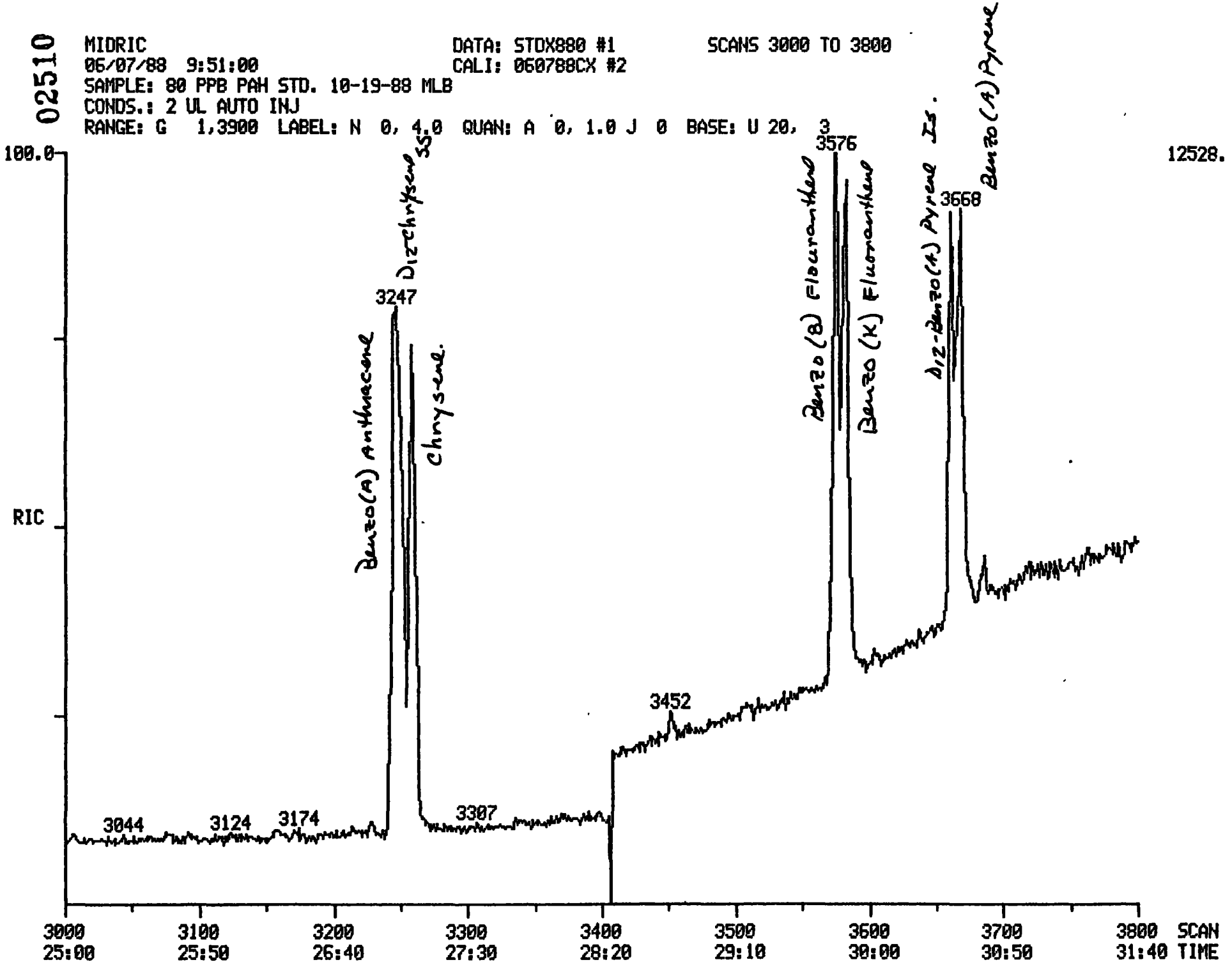
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec

02510

MIDRIC
06/07/88 9:51:00
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
RANGE: G 1,3900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDX880 #1
CALI: 060788CX #2

SCANS 3000 TO 3800



Quantitation Report File: STDX880

02511

Data: STDX880.TI
06/07/88 9:51:00
Sample: 80 PPB PAH STD. 10-19-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(J)FLUORANTHENE	252 PH#	11
12	BENZO(J)FLUORANTHENE	250 PH#	12
13	BENZO(J)FLUORANTHENE	250 PH#	12
14	BENZO(A)PYRENE	252 PH#	13
15	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3661	30:30	1	1.000	A BB	25325.	80.000	NG/ML	8.73
2	240	3251	27:05	1	0.888	A BV	35225.	67.931	NG/ML	7.41
3	228	3245	27:02	1	0.886	A BV	35037.	73.534	NG/ML	8.02
4	226	3246	27:03	1	0.887	A BV	8497.	76.306	NG/ML	8.32
5	228	3259	27:09	1	0.890	A VB	34542.	72.558	NG/ML	7.92
6	226	3259	27:09	1	0.890	A VB	9012.	67.349	NG/ML	7.35
7	252	3575	29:47	1	0.977	A BV	40271.	86.457	NG/ML	9.43
8	250	3576	29:48	1	0.977	A BV	8109.	63.981	NG/ML	6.98
~~9~~	252	3575	29:47	1	0.977	A BV	40271.	88.386	NG/ML	9.64
~~10~~	250	3576	29:48	1	0.977	A BV	8109.	68.353	NG/ML	7.46
~~11~~	252	3597	29:58	1	0.983	A BB	156.	0.329	NG/ML	0.04
~~12~~	250	3589	29:54	1	0.980	A BB	77.	0.736	NG/ML	0.08
~~13~~	250	3591	29:55	1	0.981	A BB	73.	0.698	NG/ML	0.08
14	252	3668	30:34	1	1.002	A BB	33721.	83.304	NG/ML	9.09
15	250	3669	30:34	1	1.002	A BB	6960.	86.704	NG/ML	9.46

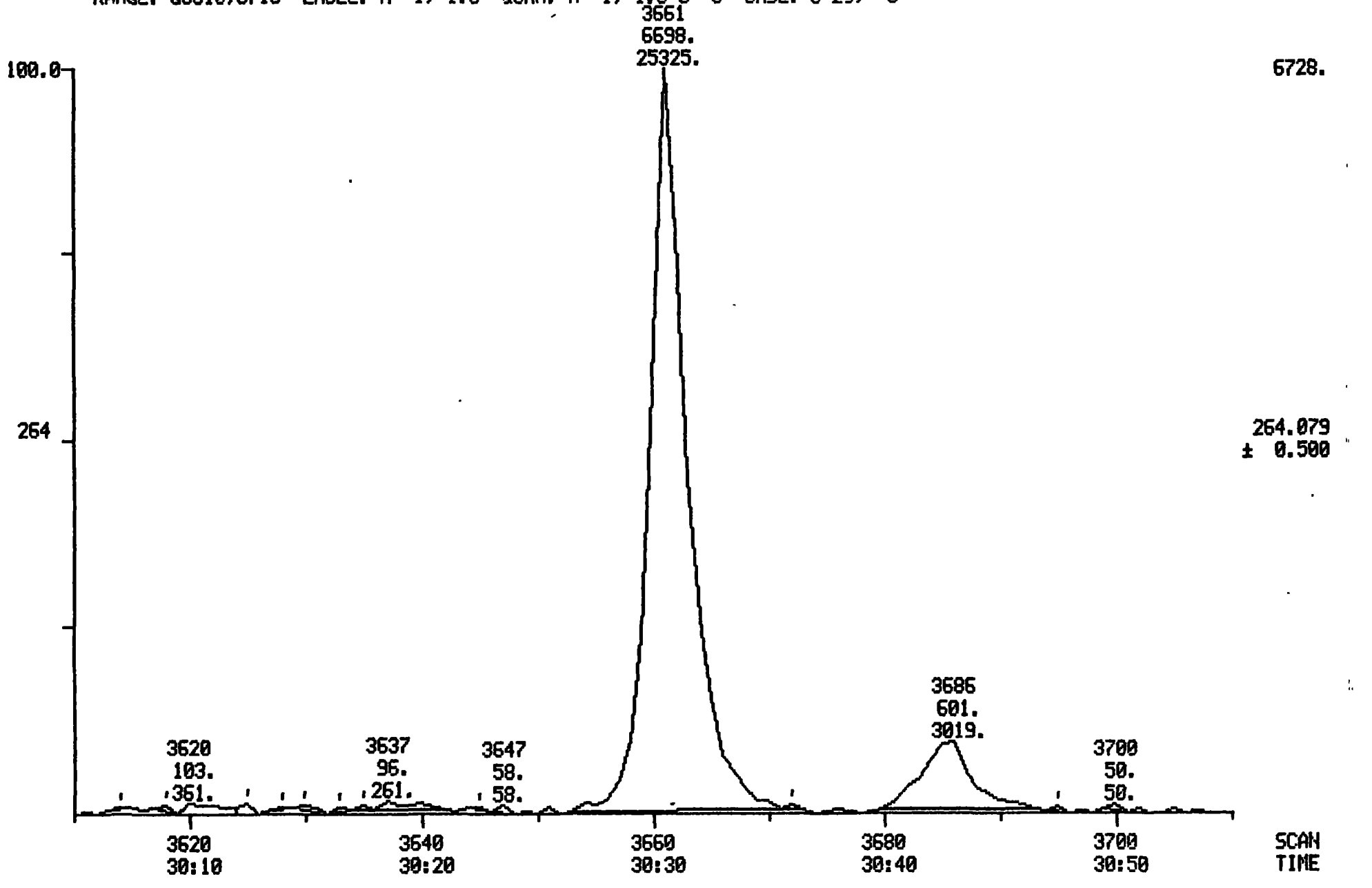
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:30	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	27:05	1.00	0.888	1.00	67.93	80.00	1.391	1.638	0.85
3	27:02	1.00	0.887	1.00	73.53	80.00	1.383	1.505	0.92
4	27:02	1.00	0.887	1.00	76.31	80.00	0.336	0.352	0.95
5	27:08	1.00	0.890	1.00	72.56	80.00	1.364	1.504	0.91
6	27:08	1.00	0.890	1.00	67.35	80.00	0.356	0.423	0.84
7	29:45	1.00	0.976	1.00	86.46	80.00	1.590	1.471	1.08
8	29:46	1.00	0.976	1.00	63.98	80.00	0.320	0.400	0.80
9	29:50	1.00	0.978	1.00	88.39	80.00	1.590	1.439	1.10

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
10	29: 50	1. 00	0. 978	1. 00	68. 35	80. 00	0. 320	0. 375	0. 85
11	29: 41	1. 01	0. 982	1. 00	0. 33	80. 00	0. 006	1. 496	0. 00
12	29: 41	1. 01	0. 982	1. 00	0. 74	80. 00	0. 003	0. 330	0. 01
13	29: 41	1. 01	0. 982	1. 00	0. 70	80. 00	0. 003	0. 330	0. 01
14	30: 34	1. 00	1. 002	1. 00	83. 30	80. 00	1. 332	1. 279	1. 04
15	30: 34	1. 00	1. 002	1. 00	86. 70	80. 00	0. 275	0. 254	1. 08

02512

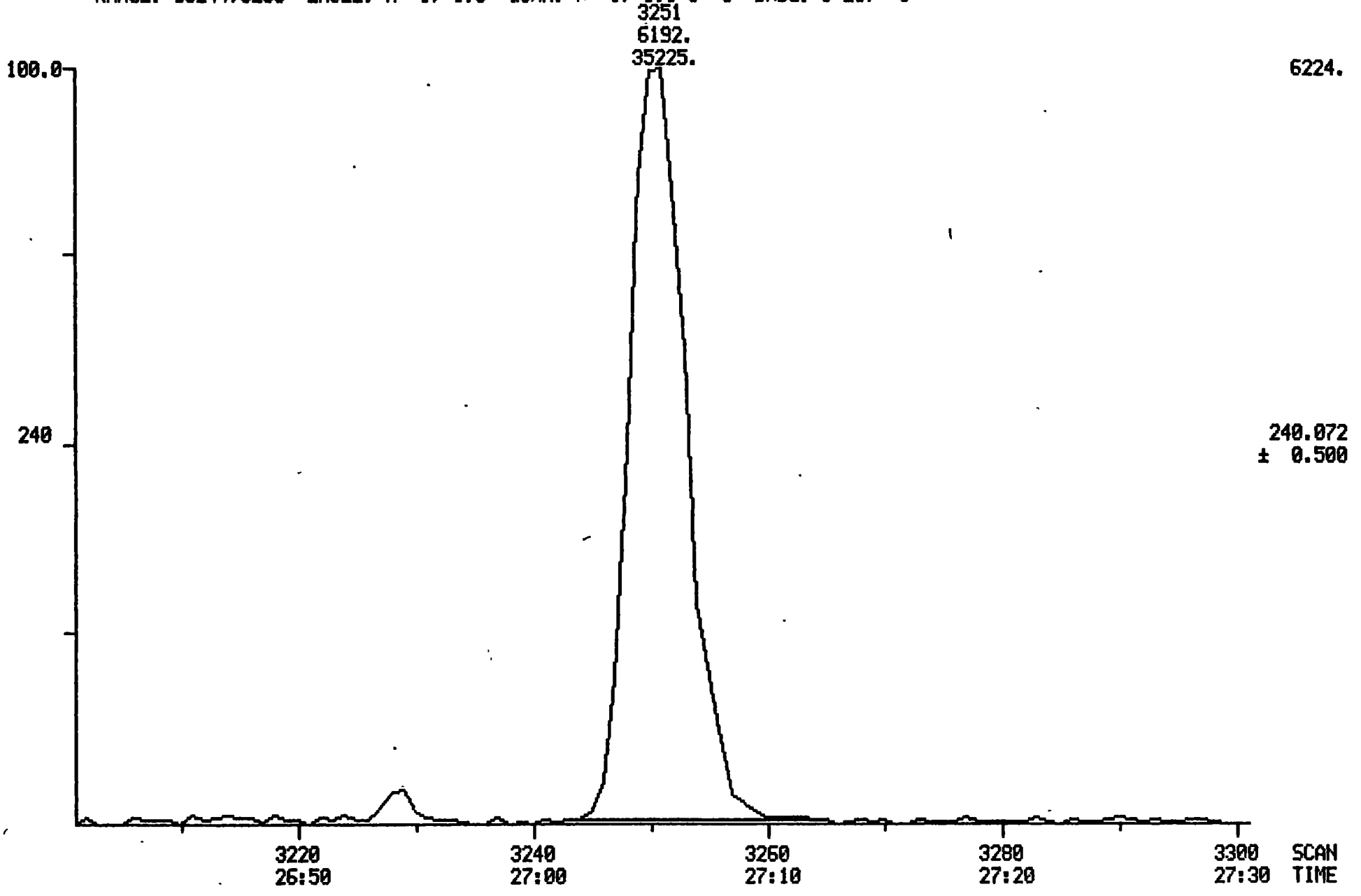
02513

MIDMASS CHROMATOGRAM DATA: STDX880 #3660 SCANS 3610 TO 3710
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3610,3710 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



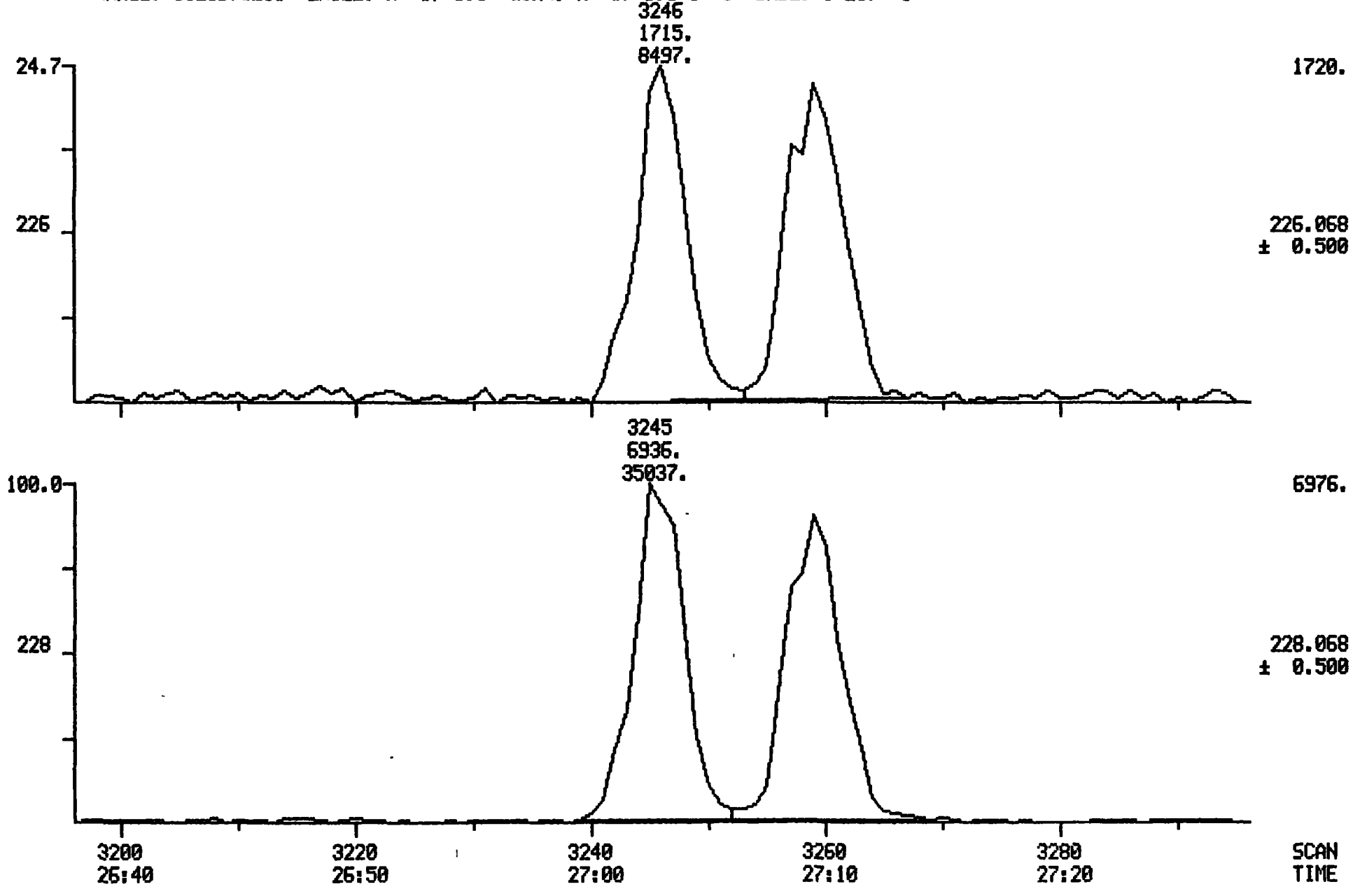
02514

MIDMASS CHROMATOGRAM DATA: STDX880 #3251 SCANS 3201 TO 3301
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
D12-CHRYSENE 240SPH# 02
RANGE: G3244,3258 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



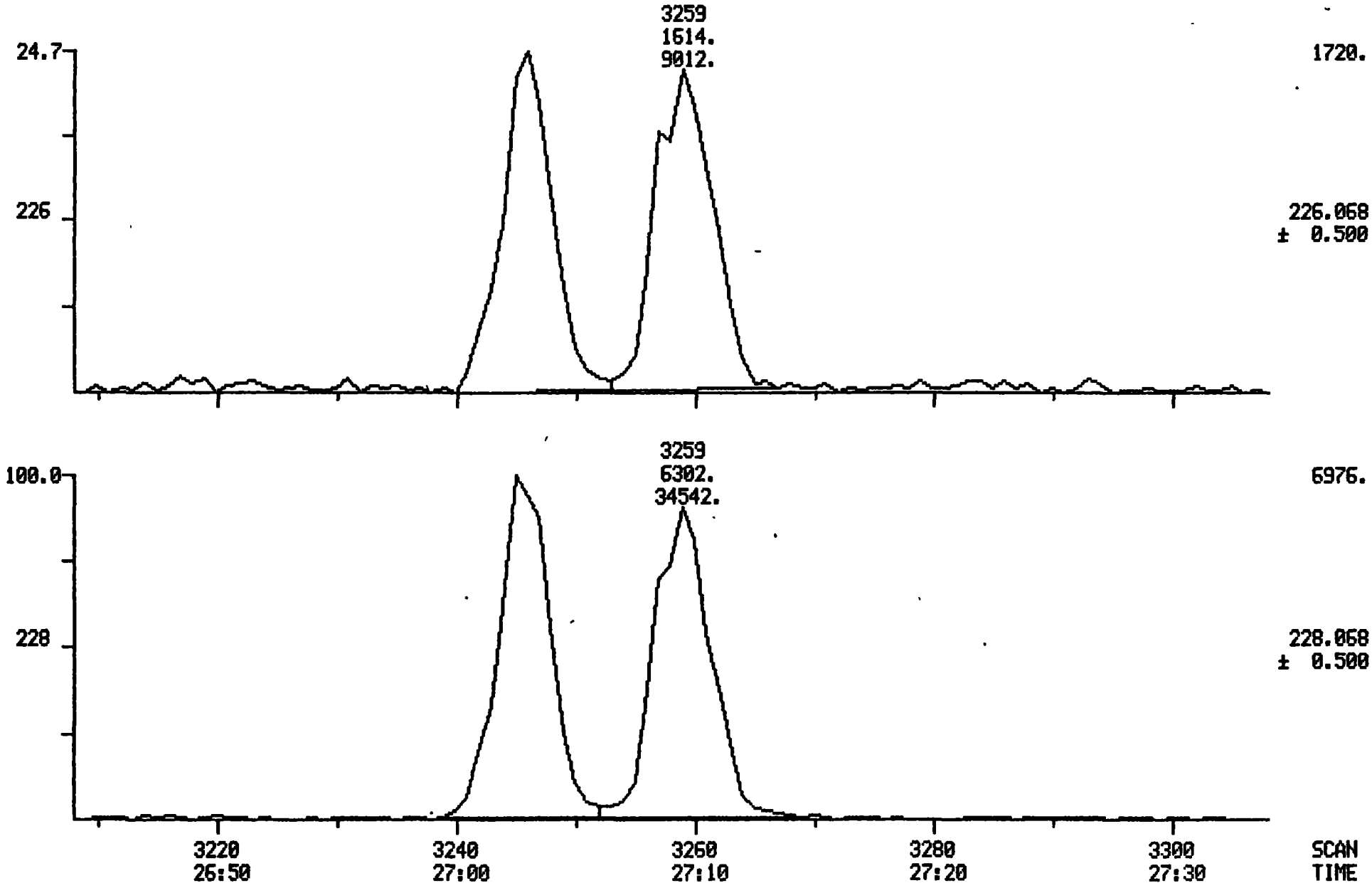
02515

MIDMASS CHROMATOGRAMS DATA: STDX880 #3246 SCANS 3196 TO 3296
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3239,3253 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



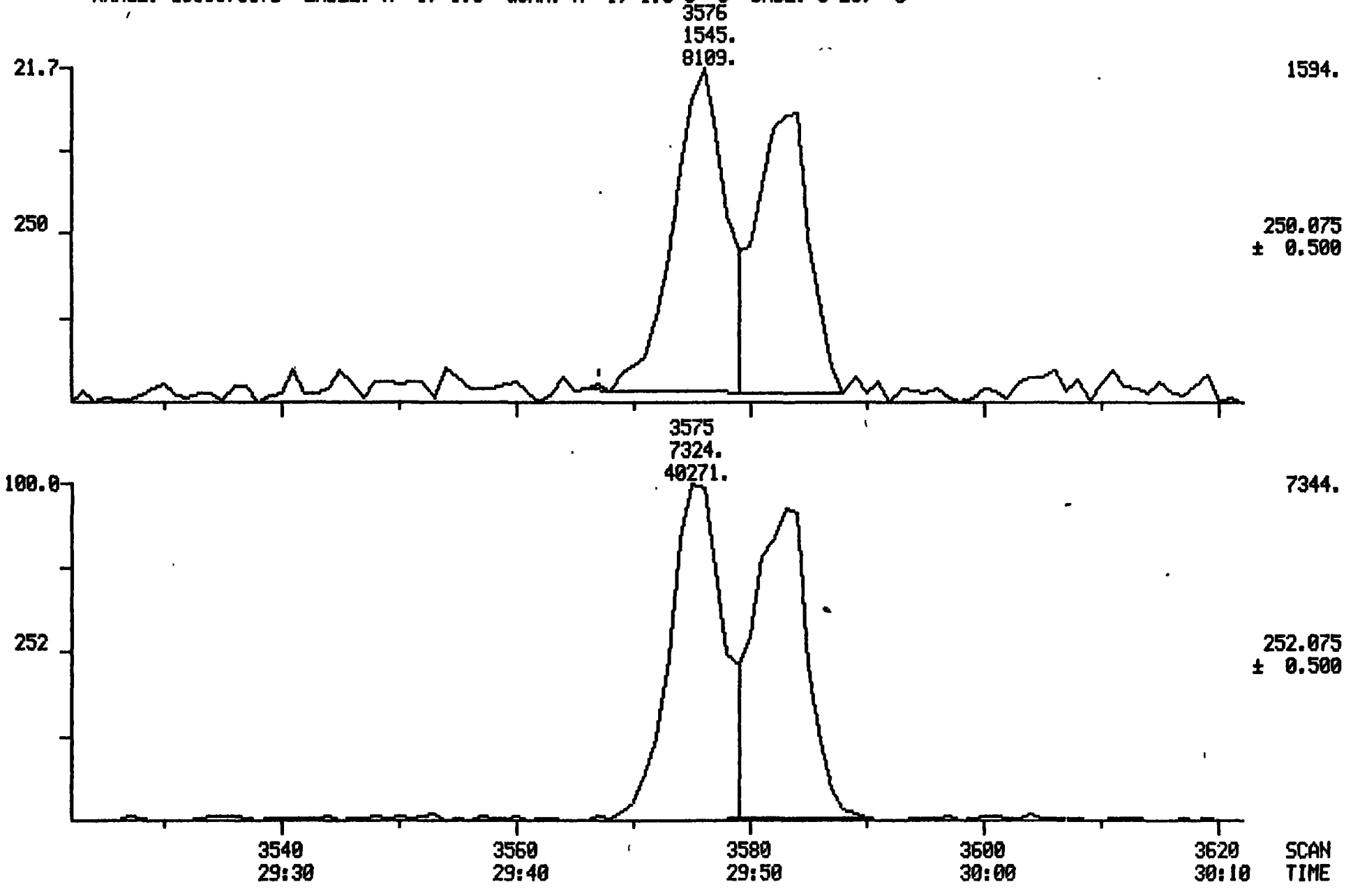
02516

MIDMASS CHROMATOGRAMS DATA: STDX880 #3258 SCANS 3208 TO 3308
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
CHRYSENE 228 PH# 05
RANGE: G3251,3265 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



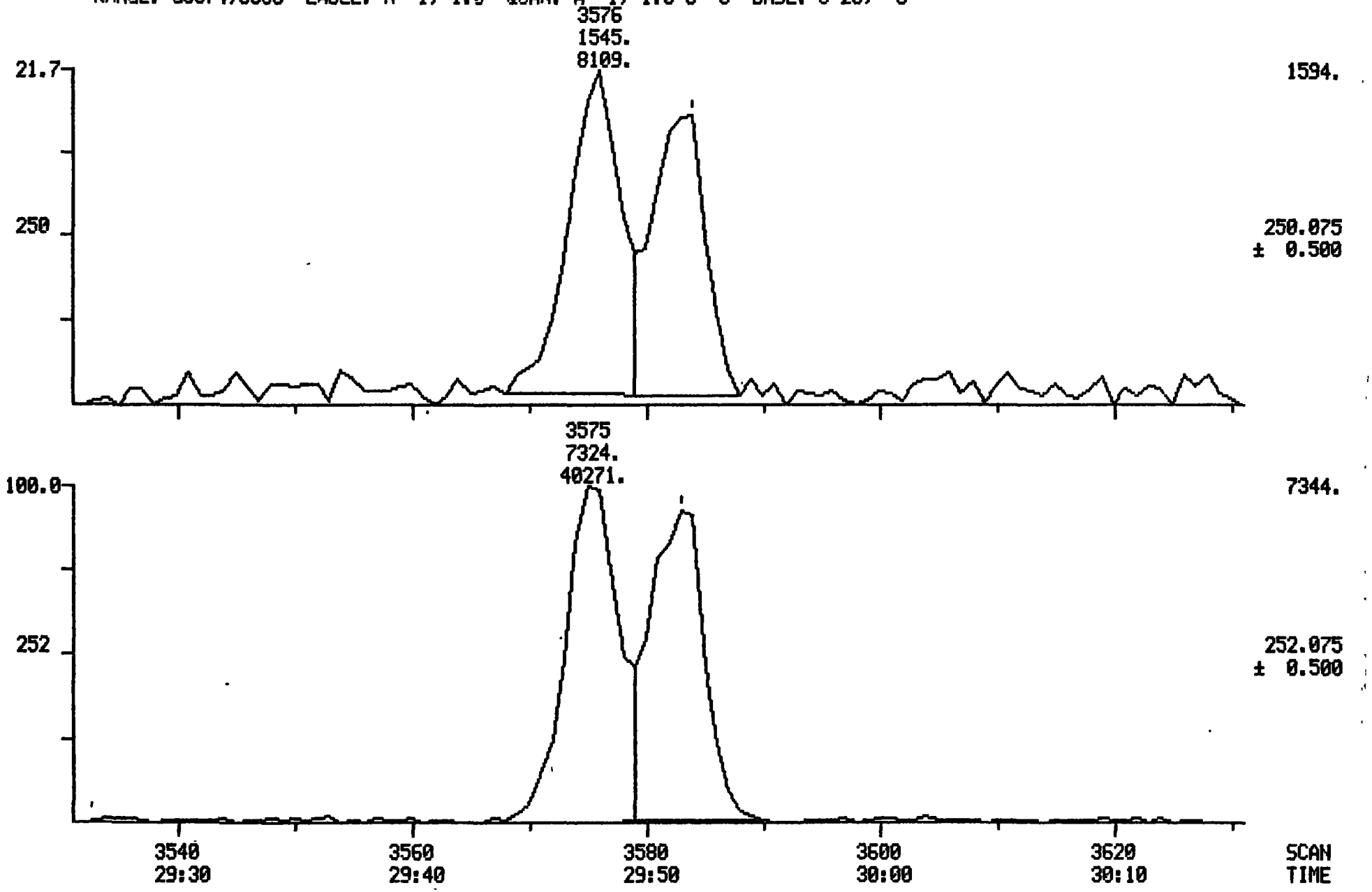
02517

MIDMASS CHROMATOGRAMS DATA: STDX880 #3572 SCANS 3522 TO 3622
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3565,3579 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



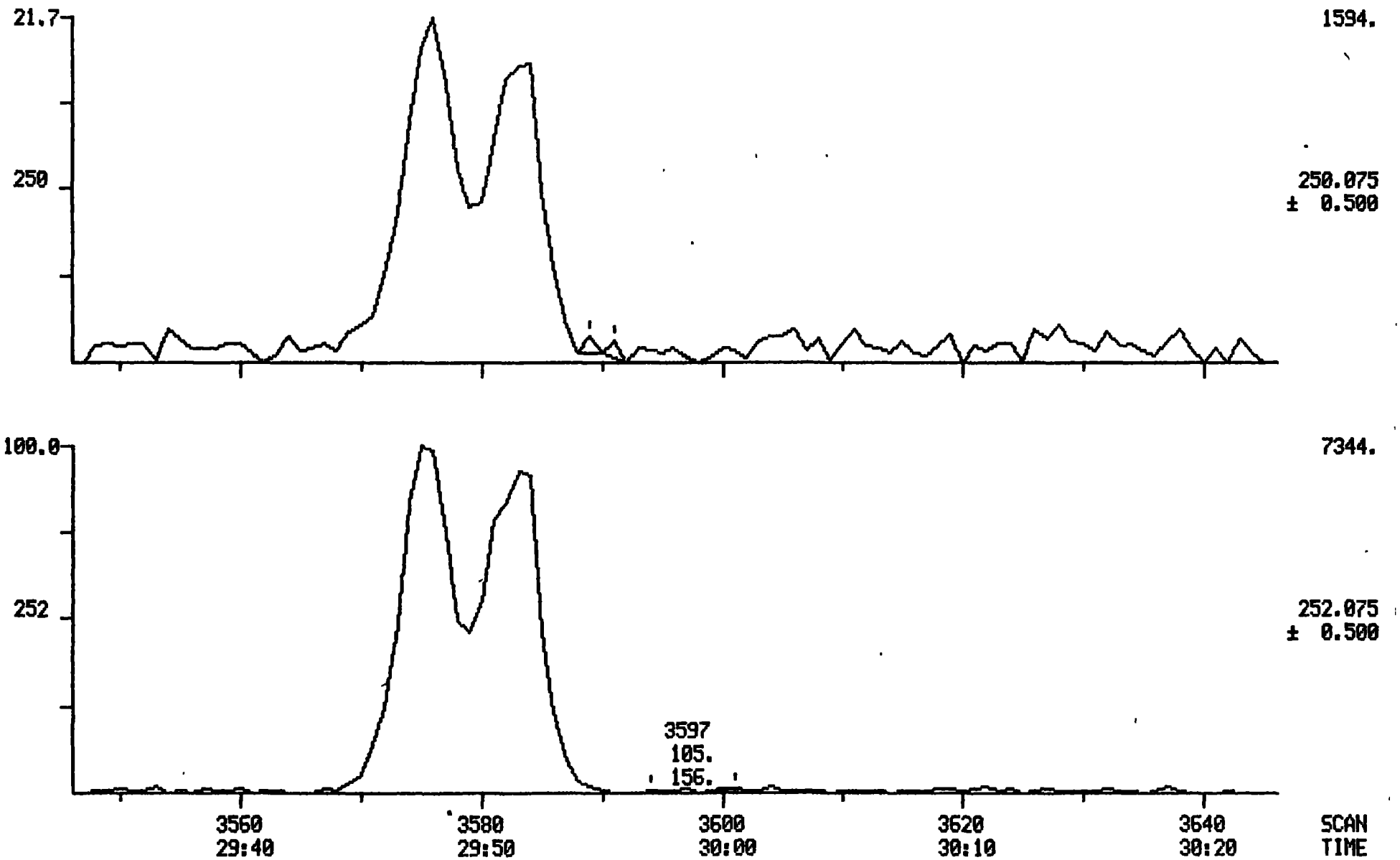
02518

MIDMASS CHROMATOGRAMS DATA: STDX880 #3581 SCANS 3531 TO 3631
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3574,3588 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



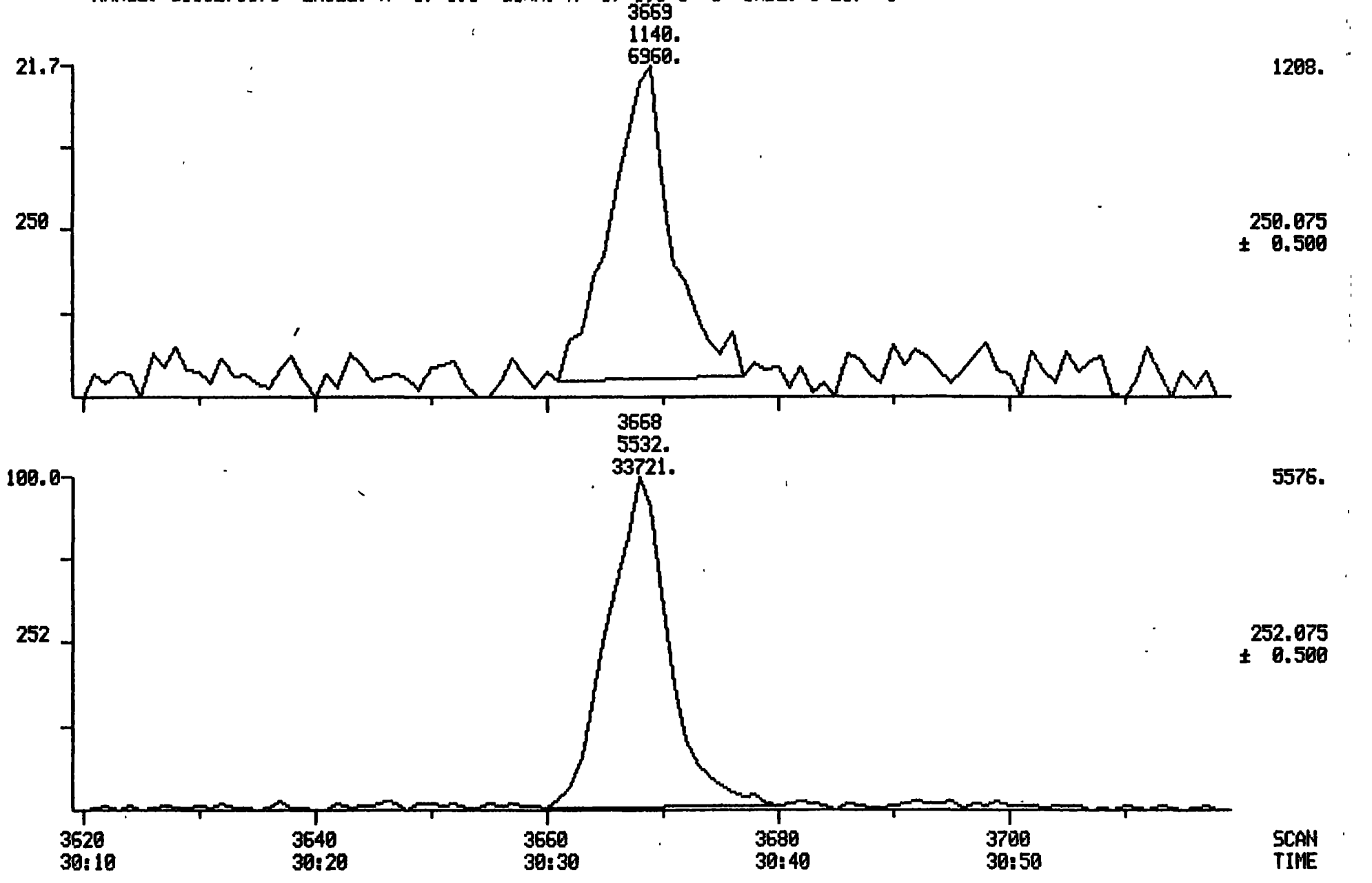
02519

MIDMASS CHROMATOGRAMS DATA: STDX880 #3596 SCANS 3546 TO 3646
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3589,3603 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



02520

MIDMASS CHROMATOGRAMS DATA: STDX880 #3669 SCANS 3619 TO 3719
06/07/88 9:51:00 CALI: 060788CX #2
SAMPLE: 80 PPB PAH STD. 10-19-88 MLB
CONDS.: 2 UL AUTO INJ
BENZO(A)PYRENE 252 PH# 13
RANGE: G3662,3676 LABEL: N 1, 1.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: STDX880

02521

Data: STDX880.TI
06/07/88 9:51:00
Sample: 80 PPB PAH STD. 10-19-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JGG/GW Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(A)PYRENE	252 PH#	13
12	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3661	30:30	1	1.000	A BB	25325.	80.000	NG/ML	8.96
2	240	3251	27:05	1	0.888	A BV	35225.	67.931	NG/ML	7.61
3	228	3245	27:02	1	0.886	A BV	35037.	73.534	NG/ML	8.24
4	226	3246	27:03	1	0.887	A BV	8497.	76.306	NG/ML	8.55
5	228	3259	27:09	1	0.890	A VB	34542.	72.558	NG/ML	8.13
6	226	3259	27:09	1	0.890	A VB	9012.	67.349	NG/ML	7.54
7	252	3575	29:47	1	0.977	A BV	40271.	86.457	NG/ML	9.68
8	250	3576	29:48	1	0.977	A BV	8109.	63.981	NG/ML	7.17
9	252	3583	29:51	1	0.979	A VB	35237.	77.338	NG/ML	8.66
10	250	3584	29:52	1	0.979	A VB	6806.	57.376	NG/ML	6.43
11	252	3668	30:34	1	1.002	A BB	33721.	83.304	NG/ML	9.33
12	250	3669	30:34	1	1.002	A BB	6960.	86.704	NG/ML	9.71

Quantitation Report File: STDX880

02522

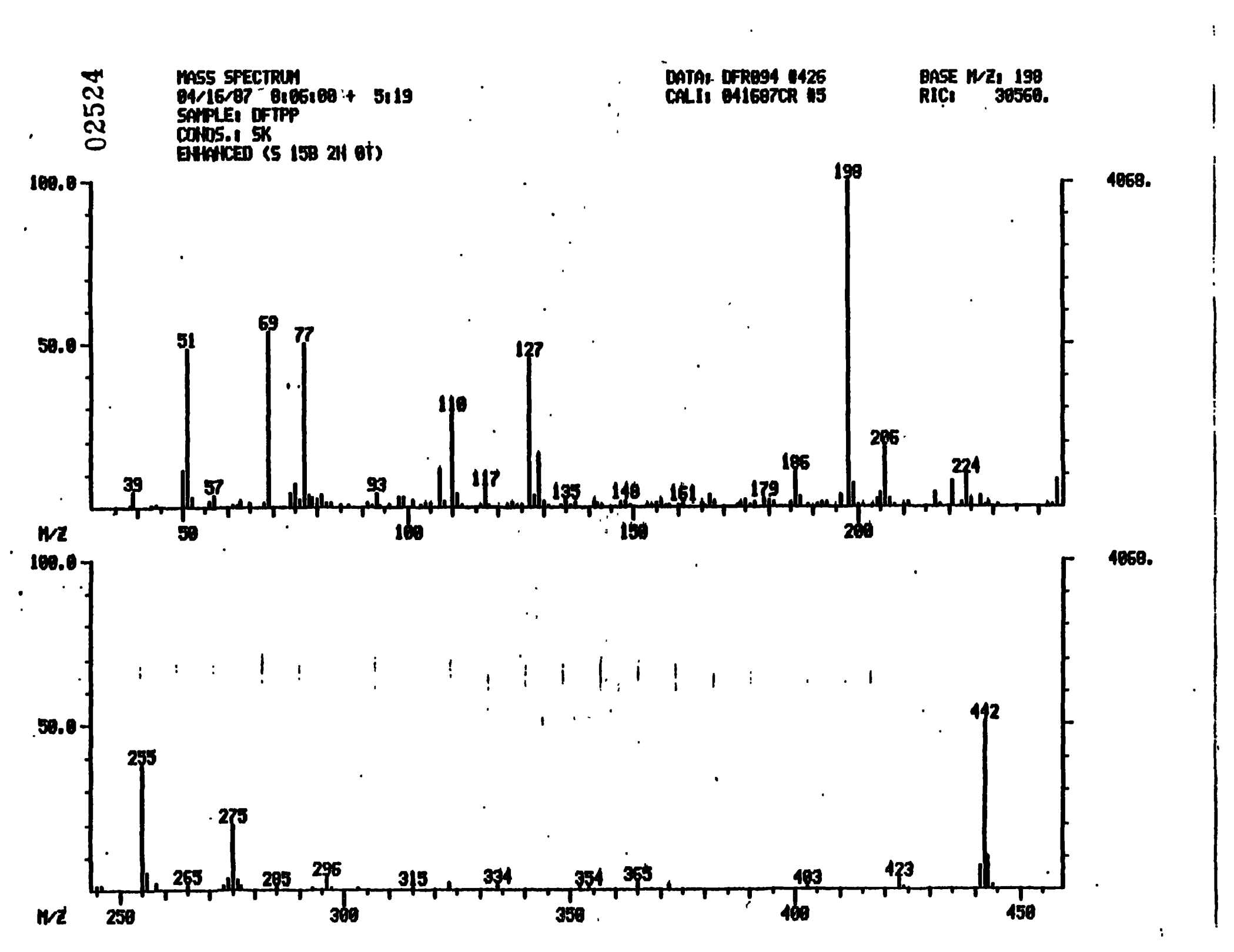
Data: STDX880.TI
06/07/88 9:51:00
Sample: 80 PPB PAH STD. 10-19-88 MLB
Conds.: 2 UL AUTO INJ
Formula: Instrument: 4500 Weight: 80.000
Submitted by: RMAL Analyst: JQQ/GW Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	250 PH#	10
11	BENZO(A)PYRENE	252 PH#	13
12	BENZO(A)PYRENE	250 PH#	14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3661	30:30	1	1.000	A BB	25325.	80.000	NG/ML	8.33
2	240	3251	27:05	1	0.888	A BV	35225.	80.000	NG/ML	8.33
3	228	3245	27:02	1	0.886	A BV	35037.	80.000	NG/ML	8.33
4	226	3246	27:03	1	0.887	A BV	8497.	80.000	NG/ML	8.33
5	228	3259	27:09	1	0.890	A VB	34542.	80.000	NG/ML	8.33
6	226	3259	27:09	1	0.890	A VB	9012.	80.000	NG/ML	8.33
7	252	3575	29:47	1	0.977	A BV	40271.	80.000	NG/ML	8.33
8	250	3576	29:48	1	0.977	A BV	8109.	80.000	NG/ML	8.33
9	252	3583	29:51	1	0.979	A VB	35237.	80.000	NG/ML	8.33
10	250	3584	29:52	1	0.979	A VB	6806.	80.000	NG/ML	8.33
11	252	3668	30:34	1	1.002	A BB	33721.	80.000	NG/ML	8.33
12	250	3669	30:34	1	1.002	A BB	6960.	80.000	NG/ML	8.33

RAW QC DATA PACKAGE


02524
MASS SPECTRUM
04/16/87 8:06:00 + 5:19
SAMPLE: DFTPP
CONDS.: 5K
ENHANCED (S 15B 2N 0T)
DATA: DFR094 0426
CALI: 041687CR #5
BASE M/Z: 198
RIC: 30560.
100.0
50.0
M/Z
4068.
198
69
77
51
127
110
206
186
224
39
57
93
117
135
140
161
179
50
100
150
200
100.0
50.0
M/Z
4068.
442
255
275
265
285
296
315
334
354
365
403
423
250
300
350
400
450

Mass List
04/16/87 8:06:00 + 5:19
Sample: DFTPP
Conds.: SK
Enhanced (S 15B 2N OT)

Data: DFR094 # 426
Cali: 041687CR # 5

Base m/z: 198
RIC: 30560.

02525

37 0.00 0.00 0. Minima Min Inten: 34.
444 # 0 Maxima

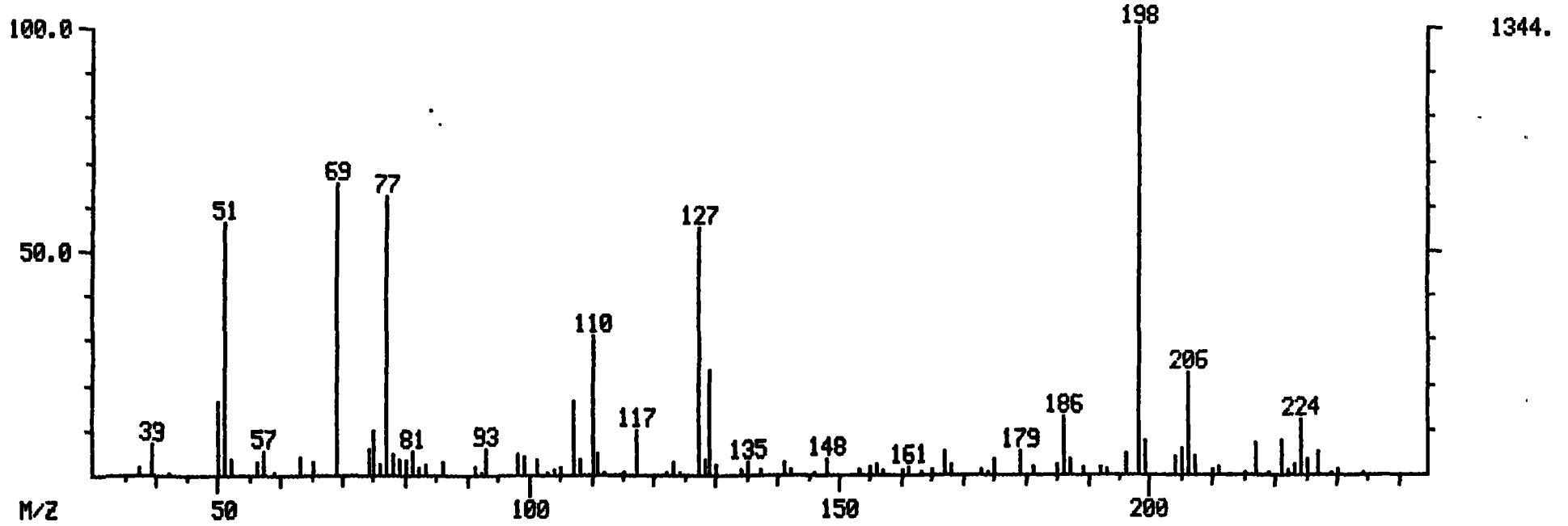
Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
39.00?	4.65	0.62	189.	167.00	3.76	0.50	153.
50.00	11.04	1.47	449.	168.00	1.70	0.23	69.
51.00	48.48	6.45	1972.	174.00	0.88	0.12	36.
52.00	2.73	0.36	111.	175.00	1.47	0.20	60.
56.00	1.70	0.23	69.	177.00	0.88	0.12	36.
57.00	3.76	0.50	153.	179.00	2.58	0.34	105.
63.00	1.92	0.26	78.	180.00	1.94	0.26	79.
65.00	1.23	0.16	50.	181.00	0.98	0.13	40.
68.00	0.88	0.12	36.	185.00	1.25	0.17	51.
69.00	53.69	7.15	2184.	186.00	10.35	1.38	421.
74.00	3.86	0.51	157.	187.00	2.78	0.37	113.
75.00	6.98	0.93	284.	192.00	1.06	0.14	43.
76.00	2.41	0.32	98.	193.00	0.98	0.13	40.
77.00	49.80	6.63	2026.	196.00	3.66	0.49	149.
78.00	3.64	0.48	148.	198.00	100.00	13.31	4068.
79.00	2.75	0.37	112.	199.00	6.76	0.90	275.
80.00	2.21	0.29	90.	204.00	2.19	0.29	89.
81.00	3.32	0.44	135.	205.00	3.98	0.53	162.
82.00	0.98	0.13	40.	206.00	18.02	2.40	733.
83.00	1.23	0.16	50.	207.00	2.34	0.31	95.
85.00	0.86	0.11	35.	211.00	0.98	0.13	40.
91.00	0.88	0.12	36.	217.00	4.23	0.56	172.
92.00	0.84	0.11	34.	221.00	7.60	1.01	309.
93.00	4.11	0.55	167.	223.00	1.23	0.16	50.
98.00	2.83	0.38	115.	224.00	9.22	1.23	375.
99.00	2.88	0.38	117.	225.00	2.48	0.33	101.
101.00	1.87	0.25	76.	227.00	3.15	0.42	128.
104.00	1.13	0.15	46.	229.00	1.06	0.14	43.
105.00	1.11	0.15	45.	244.00	7.92	1.05	322.
107.00	11.82	1.57	481.	245.00	1.28	0.17	52.
108.00	1.99	0.27	81.	246.00	1.40	0.19	57.
110.00	28.47	3.79	1158.	255.00	37.61	5.01	1530.
111.00	4.13	0.55	168.	256.00	5.29	0.70	215.
117.00	6.00	0.80	244.	258.00	1.92	0.26	78.
122.00	0.84	0.11	34.	265.00	0.91	0.12	37.
123.00	1.23	0.16	50.	273.00	1.23	0.16	50.
127.00	45.33	6.03	1844.	274.00	3.54	0.47	144.
128.00	3.27	0.44	133.	275.00	20.06	2.67	816.
129.00	16.40	2.18	667.	276.00	2.83	0.38	115.
130.00	1.55	0.21	63.	277.00	1.43	0.19	58.
135.00	1.50	0.20	61.	296.00	3.76	0.50	153.
137.00	1.16	0.15	47.	323.00	1.50	0.20	61.
141.00	1.82	0.24	74.	334.00	1.06	0.14	43.
142.00	0.91	0.12	37.	365.00	1.57	0.21	64.
147.00	1.06	0.14	43.	372.00	0.93	0.12	38.
148.00	1.79	0.24	73.	423.00	2.97	0.40	121.
155.00	1.13	0.15	46.	441.00	6.71	0.89	273.
156.00	1.60	0.21	65.	442.00	50.54	6.73	2056.
161.00	1.16	0.15	47.	443.00	9.76	1.30	397.
165.00	0.93	0.12	38.	444.00	1.08	0.14	44.

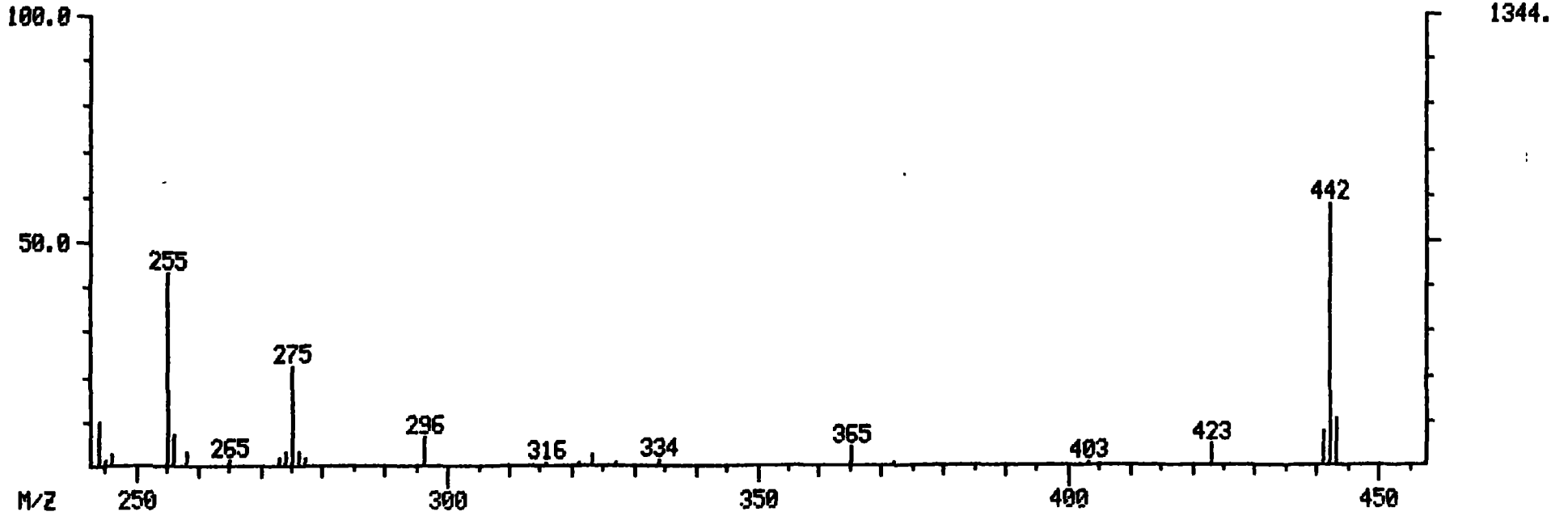
02526

MASS SPECTRUM
06/01/88 11:26:00 + 4:57
SAMPLE: 50NG DFTPP
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: DFR960 #396
CALI: 060188CR #4

BASE M/Z: 198
RIC: 12256.





Mass List
06/01/88 11:26:00 + 4:57
Sample: 50NG DFTPP
Conds.: ST
Enhanced (S 15B 2N OT)

Data: DFR960 # 396
Cali: 060188CR # 4

Base m/z: 198
RIC: 12256.

02527

37 0.00 0.00 0. Minima Min Inten: 12.
443 # 0 Maxima

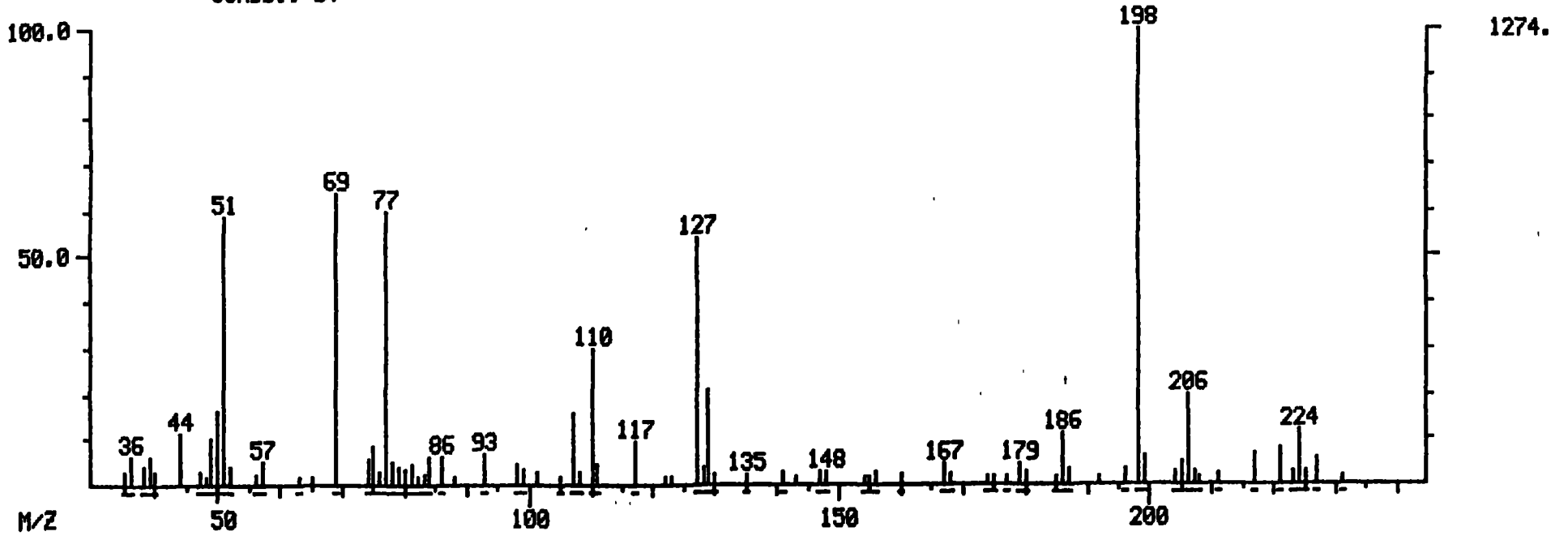
Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
37.00	1.93	0.21	26.	165.00	1.41	0.16	19.
39.00	6.85	0.75	92.	167.00	5.36	0.59	72.
50.00	16.07	1.76	216.	168.00	2.31	0.25	31.
51.00	56.18	6.16	755.	173.00	1.26	0.14	17.
52.00	3.65	0.40	49.	175.00	3.20	0.35	43.
56.00	2.75	0.30	37.	179.00	5.21	0.57	70.
57.00	5.28	0.58	71.	181.00	1.86	0.20	25.
63.00	3.79	0.42	51.	185.00	2.31	0.25	31.
65.00	3.05	0.33	41.	186.00	12.80	1.40	172.
69.00	65.18	7.15	876.	187.00	3.57	0.39	48.
74.00	6.03	0.66	81.	189.00	1.79	0.20	24.
75.00	9.82	1.08	132.	192.00	1.64	0.18	22.
76.00	2.16	0.24	29.	193.00	1.41	0.16	19.
77.00	62.35	6.84	838.	196.00	4.69	0.51	63.
78.00	4.91	0.54	66.	198.00	100.00	10.97	1344.
79.00	3.72	0.41	50.	199.00	7.81	0.86	105.
80.00	3.42	0.38	46.	204.00	3.79	0.42	51.
81.00	5.21	0.57	70.	205.00	5.73	0.63	77.
82.00	1.49	0.16	20.	206.00	22.77	2.50	306.
83.00	2.16	0.24	29.	207.00	3.79	0.42	51.
86.00	3.05	0.33	41.	210.00	0.89	0.10	12.
91.00	1.49	0.16	20.	211.00	2.01	0.22	27.
93.00	5.80	0.64	78.	217.00	7.14	0.78	96.
98.00	4.54	0.50	61.	221.00	7.74	0.85	104.
99.00	3.94	0.43	53.	222.00	1.04	0.11	14.
101.00	3.27	0.36	44.	223.00	2.16	0.24	29.
104.00	0.89	0.10	12.	224.00	12.05	1.32	162.
105.00	1.71	0.19	23.	225.00	3.20	0.35	43.
107.00	16.07	1.76	216.	227.00	5.43	0.60	73.
108.00	3.42	0.38	46.	230.00	0.97	0.11	13.
110.00	30.58	3.35	411.	244.00	9.90	1.09	133.
111.00	4.46	0.49	60.	245.00	1.12	0.12	15.
117.00	9.90	1.09	133.	246.00	2.60	0.29	35.
123.00	2.83	0.31	38.	255.00	43.01	4.72	578.
127.00	55.28	6.06	743.	256.00	6.77	0.74	91.
128.00	3.65	0.40	49.	258.00	3.05	0.33	41.
129.00	23.44	2.57	315.	265.00	0.89	0.10	12.
130.00	2.46	0.27	33.	273.00	1.49	0.16	20.
134.00	0.89	0.10	12.	274.00	2.83	0.31	38.
135.00	2.68	0.29	36.	275.00	21.95	2.41	295.
137.00	0.89	0.10	12.	276.00	2.83	0.31	38.
141.00	2.75	0.30	37.	277.00	1.64	0.18	22.
142.00	1.41	0.16	19.	296.00	6.25	0.69	84.
148.00	3.72	0.41	50.	323.00	2.31	0.25	31.
153.00	1.19	0.13	16.	334.00	1.12	0.12	15.
155.00	1.56	0.17	21.	365.00	3.87	0.42	52.
156.00	2.31	0.25	31.	423.00	4.54	0.50	61.
157.00	1.34	0.15	18.	441.00	7.66	0.84	103.
160.00	0.97	0.11	13.	442.00	58.04	6.36	780.
161.00	1.86	0.20	25.	443.00	10.57	1.16	142.

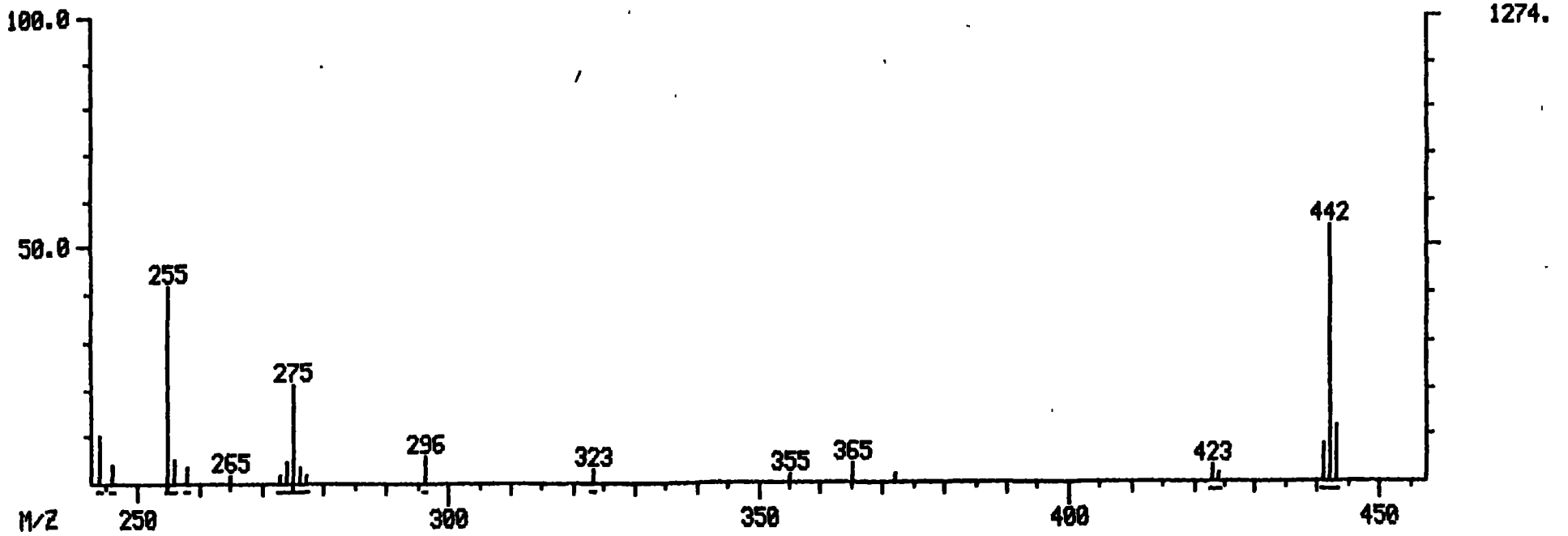
025528

MASS SPECTRUM
06/02/88 7:00:00 + 4:55
SAMPLE: 50NG DFTPP
CONDS.: ST

DATA: DFR974 #393
CALI: 060288CR #5

BASE M/Z: 198
RIC: 11664.





Mass List
06/02/88 7:00:00 + 4:55
Sample: 50NG DFTPP
Conds.: ST

Data: DFR974 # 393
Cali: 060288CR # 5

Base m/z: 198
RIC: 11664.

02529

35 0.00 0.00 0. Minima Min Inten: 21.
443 # 0 Maxima

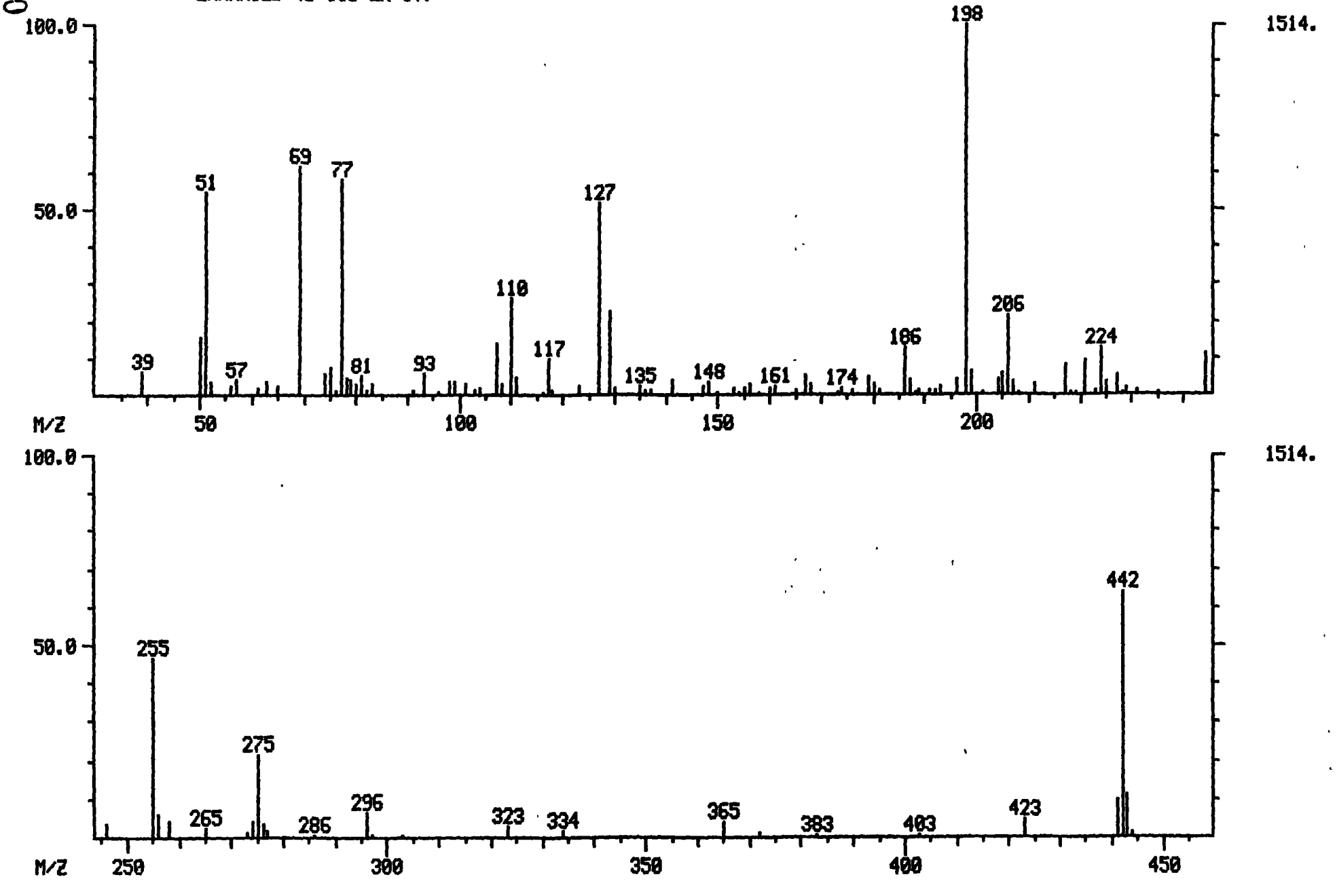
Mass		% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
35.00	F	2.90	0.32	37.	160.00	F	2.20	0.24	28.
36.00	F	6.28	0.69	80.	167.00	F	4.32	0.47	55.
38.00	F	3.77	0.41	48.	168.00	F	2.04	0.22	26.
39.00	F	6.20	0.68	79.	174.00	F	1.96	0.21	25.
40.00	F	2.59	0.28	33.	175.00	F	1.88	0.21	24.
44.00		11.15	1.22	142.	177.00	F	1.81	0.20	23.
47.00	F	2.90	0.32	37.	179.00	F	4.32	0.47	55.
49.00	F	10.28	1.12	131.	180.00	F	2.90	0.32	37.
50.00	F	16.40	1.79	209.	185.00	F	1.65	0.18	21.
51.00	F	58.63	6.40	747.	186.00	F	11.15	1.22	142.
52.00	F	3.69	0.40	47.	187.00	F	3.61	0.39	46.
56.00	F	2.04	0.22	26.	192.00		1.73	0.19	22.
57.00	F	5.10	0.56	65.	196.00	F	3.53	0.39	45.
63.00	F	1.88	0.21	24.	198.00	F	100.00	10.92	1274.
65.00		1.65	0.18	21.	199.00	F	5.97	0.65	76.
69.00	F	63.58	6.94	810.	204.00	F	2.83	0.31	36.
74.00	F	5.65	0.62	72.	205.00	F	5.34	0.58	68.
75.00	F	8.71	0.95	111.	206.00	F	20.02	2.19	255.
76.00	F	2.90	0.32	37.	207.00	F	2.98	0.33	38.
77.00	F	60.13	6.57	766.	208.00	F	1.65	0.18	21.
78.00	F	4.87	0.53	62.	211.00	F	2.20	0.24	28.
79.00	F	4.08	0.45	52.	217.00	F	6.67	0.73	85.
80.00	F	3.30	0.36	42.	221.00	F	7.69	0.84	98.
81.00	F	4.79	0.52	61.	223.00	F	2.59	0.28	33.
82.00	F	1.81	0.20	23.	224.00	F	11.70	1.28	149.
83.00	F	2.28	0.25	29.	225.00	F	2.83	0.31	36.
84.00	F	6.36	0.69	81.	227.00	F	5.81	0.63	74.
86.00	F	6.44	0.70	82.	231.00	F	1.73	0.19	22.
93.00	F	6.51	0.71	83.	244.00	F	9.89	1.08	126.
98.00	F	4.32	0.47	55.	246.00	F	3.77	0.41	48.
99.00	F	3.45	0.38	44.	255.00	F	42.07	4.60	536.
101.00		3.06	0.33	39.	256.00	F	5.34	0.58	68.
107.00	F	15.62	1.71	199.	258.00	F	3.53	0.39	45.
108.00	F	2.59	0.28	33.	265.00		1.73	0.19	22.
110.00	F	30.06	3.28	383.	273.00	F	1.73	0.19	22.
111.00	F	4.79	0.52	61.	274.00	F	4.55	0.50	58.
117.00	F	9.34	1.02	119.	275.00	F	20.72	2.26	264.
122.00		1.73	0.19	22.	276.00	F	3.45	0.38	44.
123.00		1.96	0.21	25.	277.00	F	1.81	0.20	23.
127.00	F	54.16	5.92	690.	296.00	F	5.42	0.59	69.
128.00	F	4.00	0.44	51.	323.00	F	2.75	0.30	35.
129.00	F	21.04	2.30	268.	355.00		1.65	0.18	21.
130.00	F	2.28	0.25	29.	365.00		3.77	0.41	48.
135.00	F	2.20	0.24	28.	372.00		1.65	0.18	21.
141.00	F	2.83	0.31	36.	423.00	F	3.30	0.36	42.
143.00		1.96	0.21	25.	424.00	F	1.73	0.19	22.
147.00	F	2.59	0.28	33.	441.00	F	8.01	0.87	102.
148.00	F	2.83	0.31	36.	442.00	F	54.16	5.92	690.
154.00	F	1.65	0.18	21.	443.00	F	11.62	1.27	148.
155.00	F	1.81	0.20	23.					
156.00	F	2.67	0.29	34.					

02530

MASS SPECTRUM
06/02/88 17:25:00 + 4:59
SAMPLE: DFTPP
CONDS.: ST
ENHANCED (S 15B 2N 0T)

DATA: DFR990 #399
CALI: TUNE #3

BASE M/Z: 198
RIC: 13504.



SPECTRUM: DFR990 06/02/88 RIC: 13504.
INSTRUMENT: 4500 ANALYST: MD
SAMPLE: DFTPP
CONDITIONS: ST
399
Mass List Data: DFR990 # 399 Base m/z: 198
06/02/88 17:25:00 + 4:59 Cali: TUNE # 3 RIC: 13504.
Sample: DFTPP
Conds.: ST
Enhanced (S 15B 2N 0T)

39 0.00 0.00 0. Minima Min Inten: 14.
444 # 0 Maxima

Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
39.00	6.14	0.69	93.	168.00	2.64	0.30	40.
50.00	15.79	1.77	239.	174.00	1.72	0.19	26.
51.00	54.56	6.12	826.	176.00	1.25	0.14	19.
52.00	3.76	0.42	57.	179.00	4.56	0.51	69.
56.00	2.31	0.26	35.	180.00	3.04	0.34	46.
57.00	3.96	0.44	60.	181.00	1.45	0.16	22.
61.00	1.52	0.17	23.	186.00	12.81	1.44	194.
63.00	3.43	0.39	52.	187.00	3.96	0.44	60.
65.00	2.05	0.23	31.	189.00	1.06	0.12	16.
69.00	61.43	6.89	930.	191.00	1.19	0.13	18.
74.00	5.81	0.65	88.	192.00	1.25	0.14	19.
75.00	7.73	0.87	117.	193.00	2.05	0.23	31.
76.00	1.25	0.14	19.	196.00	4.29	0.48	65.
77.00	58.12	6.52	880.	198.00	100.00	11.21	1514.
78.00	4.56	0.51	69.	199.00	6.61	0.74	100.
79.00	3.83	0.43	58.	204.00	4.23	0.47	64.
80.00	2.77	0.31	42.	205.00	5.81	0.65	88.
81.00	5.22	0.59	79.	206.00	21.66	2.43	328.
82.00	1.39	0.16	21.	207.00	3.57	0.40	54.
83.00	2.64	0.30	40.	211.00	2.84	0.32	43.
91.00	1.45	0.16	22.	217.00	8.26	0.93	125.
93.00	5.68	0.64	86.	221.00	9.18	1.03	139.
98.00	3.63	0.41	55.	223.00	1.06	0.12	16.
99.00	3.63	0.41	55.	224.00	12.75	1.43	193.
101.00	2.77	0.31	42.	225.00	3.63	0.41	55.
103.00	1.45	0.16	22.	227.00	5.28	0.59	80.
104.00	1.85	0.21	28.	229.00	1.52	0.17	23.
107.00	13.94	1.56	211.	231.00	1.25	0.14	19.
108.00	2.71	0.30	41.	244.00	10.83	1.21	164.
110.00	26.42	2.96	400.	246.00	3.50	0.39	53.
111.00	4.69	0.53	71.	255.00	46.70	5.24	707.
117.00	9.91	1.11	150.	256.00	6.08	0.68	92.
118.00	1.19	0.13	18.	258.00	3.83	0.43	58.
123.00	2.18	0.24	33.	265.00	2.58	0.29	39.
127.00	51.52	5.78	780.	273.00	1.39	0.16	21.
129.00	22.66	2.54	343.	274.00	4.23	0.47	64.
130.00	1.78	0.20	27.	275.00	21.40	2.40	324.
135.00	2.31	0.26	35.	276.00	3.43	0.39	52.
136.00	1.19	0.13	18.	277.00	1.85	0.21	28.
137.00	1.45	0.16	22.	296.00	6.67	0.75	101.
141.00	4.36	0.49	66.	323.00	3.17	0.36	48.
147.00	2.25	0.25	34.	334.00	1.92	0.21	29.
148.00	3.24	0.36	49.	365.00	3.96	0.44	60.
153.00	1.78	0.20	27.	372.00	1.39	0.16	21.
155.00	1.78	0.20	27.	423.00	4.69	0.53	71.
156.00	2.84	0.32	43.	441.00	9.71	1.09	147.
160.00	1.52	0.17	23.	442.00	63.80	7.15	966.

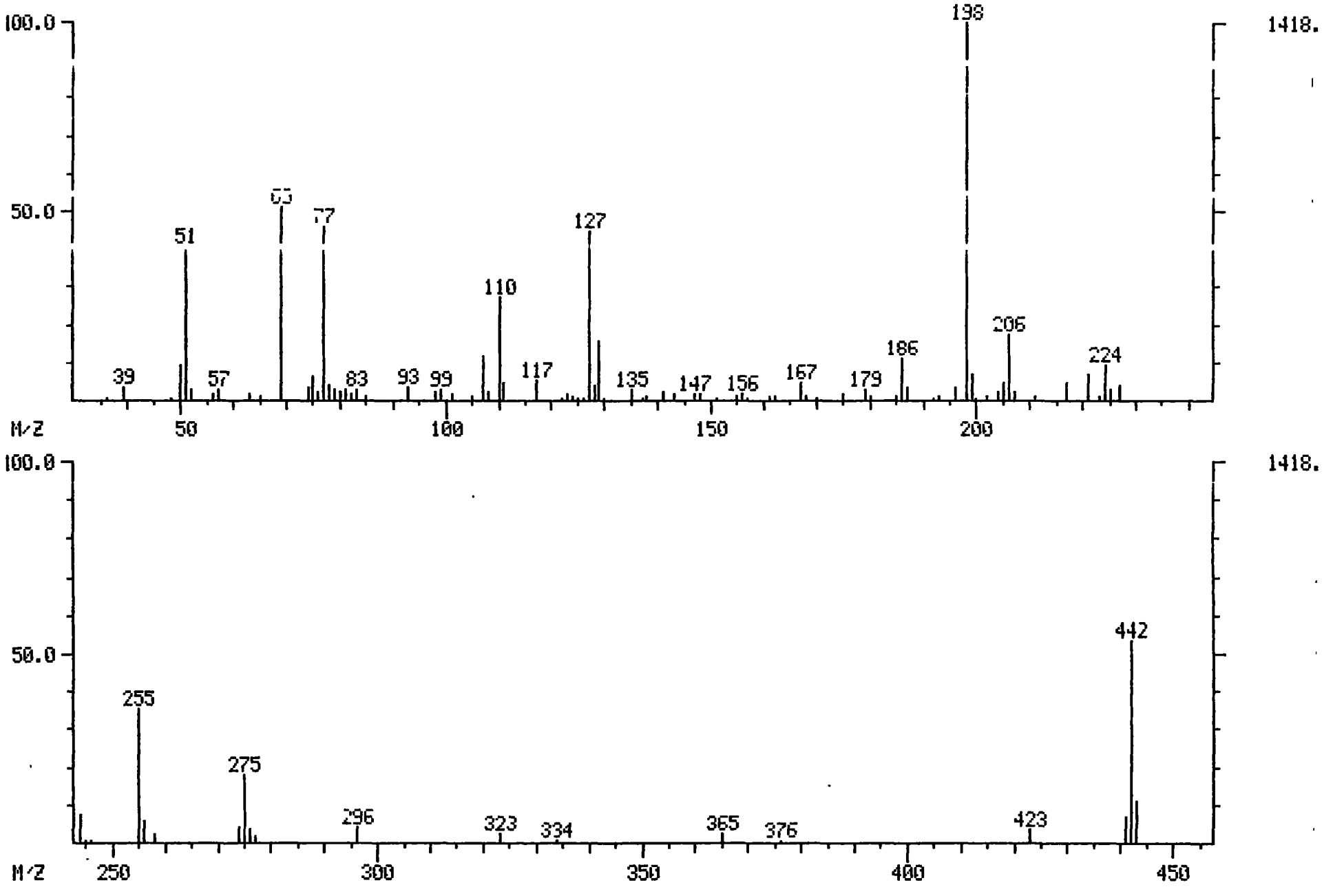
165.00	5	0.23	31.	443.00	11.03	1.24	167.
167.00	0.99	0.11	15.	444.00	1.19	0.13	18.
	5.42	0.61	82.				

02533

MASS SPECTRUM
10/26/87 12:51:00 + 4:34
SAMPLE: DFTPP
CONDS.: SK
ENHANCED (S 15B 2N 0T)

DATA: DFR102 #305
CAL: 102687CP #7

BASE M/Z: 198
PIC: 10064.



Mass List
10/26/87 12:51:00 + 4:34
Sample: DFTPP
Conds.: SK
Enhanced (S 15B 2N 0T)

Data: DFR102 # 365
Cali: 102687CR # 7

Base Peak: 198
RIC: 10064.

02534

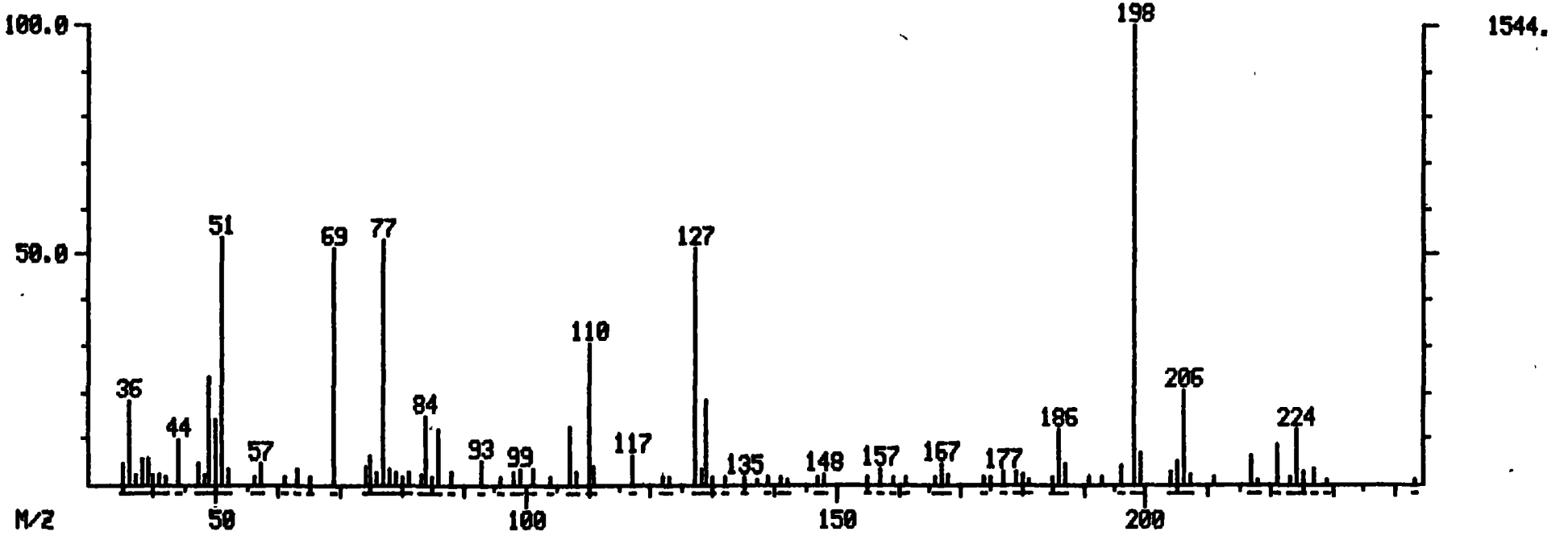
36	0.00	0.00	0.	Minima	Min Inten:		0.
443			# 0	Maxima			
Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
36.00?	0.78	0.11	11.	156.00	1.69	0.24	24.
39.00?	3.74	0.53	53.	157.00	0.85	0.12	12.
48.00	0.49	0.07	7.	161.00	1.41	0.20	20.
50.00	9.59	1.35	136.	162.00	1.27	0.18	18.
51.00	40.76	5.74	578.	167.00	4.44	0.63	63.
52.00	2.75	0.39	39.	168.00	1.13	0.16	16.
56.00	1.62	0.23	23.	170.00	0.78	0.11	11.
57.00	2.89	0.41	41.	175.00	1.48	0.21	21.
63.00	1.69	0.24	24.	179.00	3.10	0.44	44.
65.00	1.41	0.20	20.	180.00	1.06	0.15	15.
69.00	51.13	7.20	725.	185.00	1.27	0.18	18.
74.00	3.31	0.47	47.	186.00	10.79	1.52	153.
75.00	6.35	0.89	90.	187.00	3.24	0.46	46.
76.00	2.05	0.29	29.	192.00	0.78	0.11	11.
77.00	45.91	6.47	651.	193.00	1.06	0.15	15.
78.00	3.81	0.54	54.	196.00	3.39	0.48	48.
79.00	2.75	0.39	39.	198.00	100.00	14.09	1418.
80.00	2.54	0.36	36.	199.00	6.84	0.96	97.
81.00	2.75	0.39	39.	200.00	0.85	0.12	12.
82.00	1.69	0.24	24.	202.00	0.92	0.13	13.
83.00	2.82	0.40	40.	204.00	2.33	0.33	33.
85.00	1.27	0.18	18.	205.00	4.80	0.68	68.
93.00	3.46	0.49	49.	206.00	17.65	2.48	250.
98.00	2.61	0.37	37.	207.00	2.19	0.31	31.
99.00	3.10	0.44	44.	211.00	1.41	0.20	20.
101.00	1.69	0.24	24.	217.00	4.65	0.66	66.
105.00	1.34	0.19	19.	221.00	6.84	0.96	97.
107.00	11.92	1.68	169.	223.00	1.34	0.19	19.
108.00	2.47	0.35	35.	224.00	9.17	1.29	130.
110.00	27.15	3.83	385.	225.00	2.75	0.39	39.
111.00	4.44	0.63	63.	227.00	4.16	0.59	59.
117.00	5.50	0.78	78.	244.00	7.60	1.07	108.
122.00	0.71	0.10	10.	245.00	0.78	0.11	11.
123.00	1.62	0.23	23.	246.00	0.63	0.09	9.
124.00	1.20	0.17	17.	255.00	35.40	4.99	502.
125.00	0.49	0.07	7.	256.00	5.78	0.81	82.
126.00	0.42	0.06	6.	258.00	2.19	0.31	31.
127.00	44.78	6.31	635.	274.00	4.09	0.58	58.
128.00	3.81	0.54	54.	275.00	17.77	2.50	252.
129.00	15.44	2.18	219.	276.00	3.46	0.49	49.
130.00	0.63	0.09	9.	277.00	1.55	0.22	22.
135.00	3.10	0.44	44.	296.00	3.95	0.56	56.
137.00	0.85	0.12	12.	323.00	2.05	0.29	29.
138.00	0.99	0.14	14.	334.00	0.78	0.11	11.
141.00	2.05	0.29	29.	365.00	2.12	0.30	30.
143.00	1.62	0.23	23.	376.00	0.49	0.07	7.
147.00	1.90	0.27	27.	423.00	3.67	0.52	52.
148.00	1.69	0.24	24.	441.00	6.77	0.96	96.
151.00	0.63	0.09	9.	442.00	53.60	7.59	760.
155.00	1.34	0.19	19.	443.00	11.28	1.59	160.

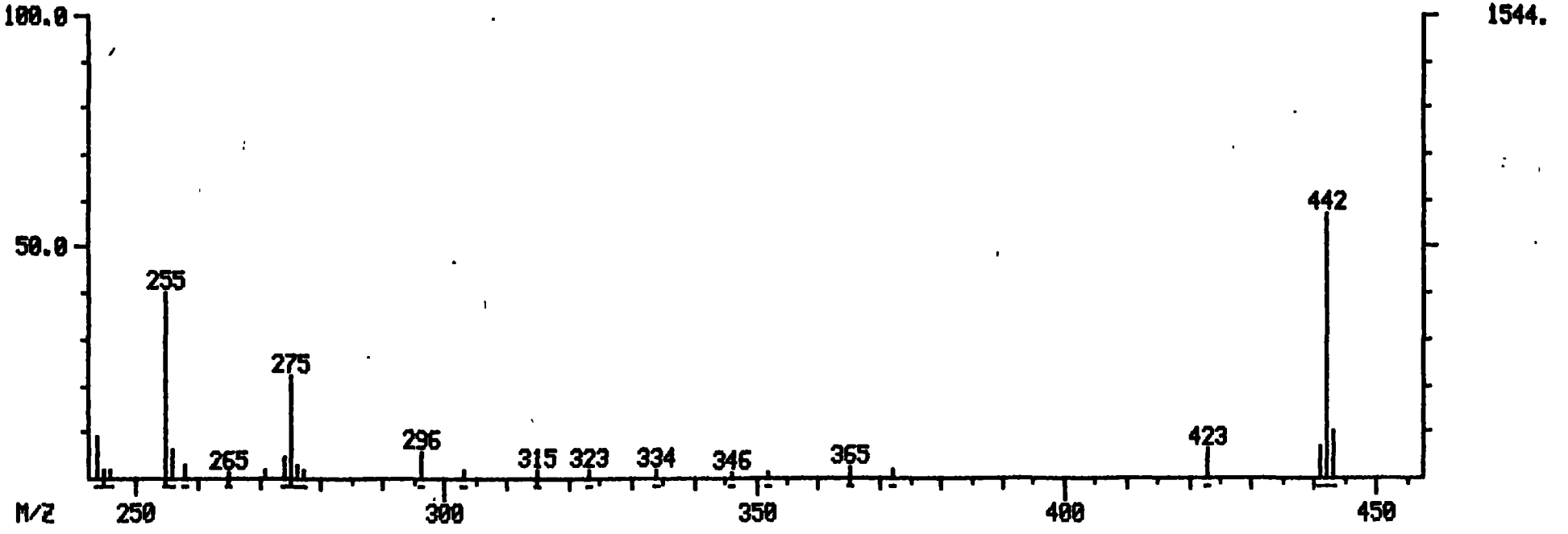
02535

MASS SPECTRUM
06/03/88 9:46:00 + 4:58
SAMPLE: 50NG DFTPP
CONDS.: ST

DATA: DFR006 #397
CALI: 060388CR #6

BASE M/Z: 198
RIC: 14288.





Mass List Data: DFR006 # 397 Base m/z: 198
06/03/88 9:46:00 + 4:58 Cali: 060388CR # 6 RIC: 14288.
Sample: 50NG DFTPP
Conds.: ST

02536

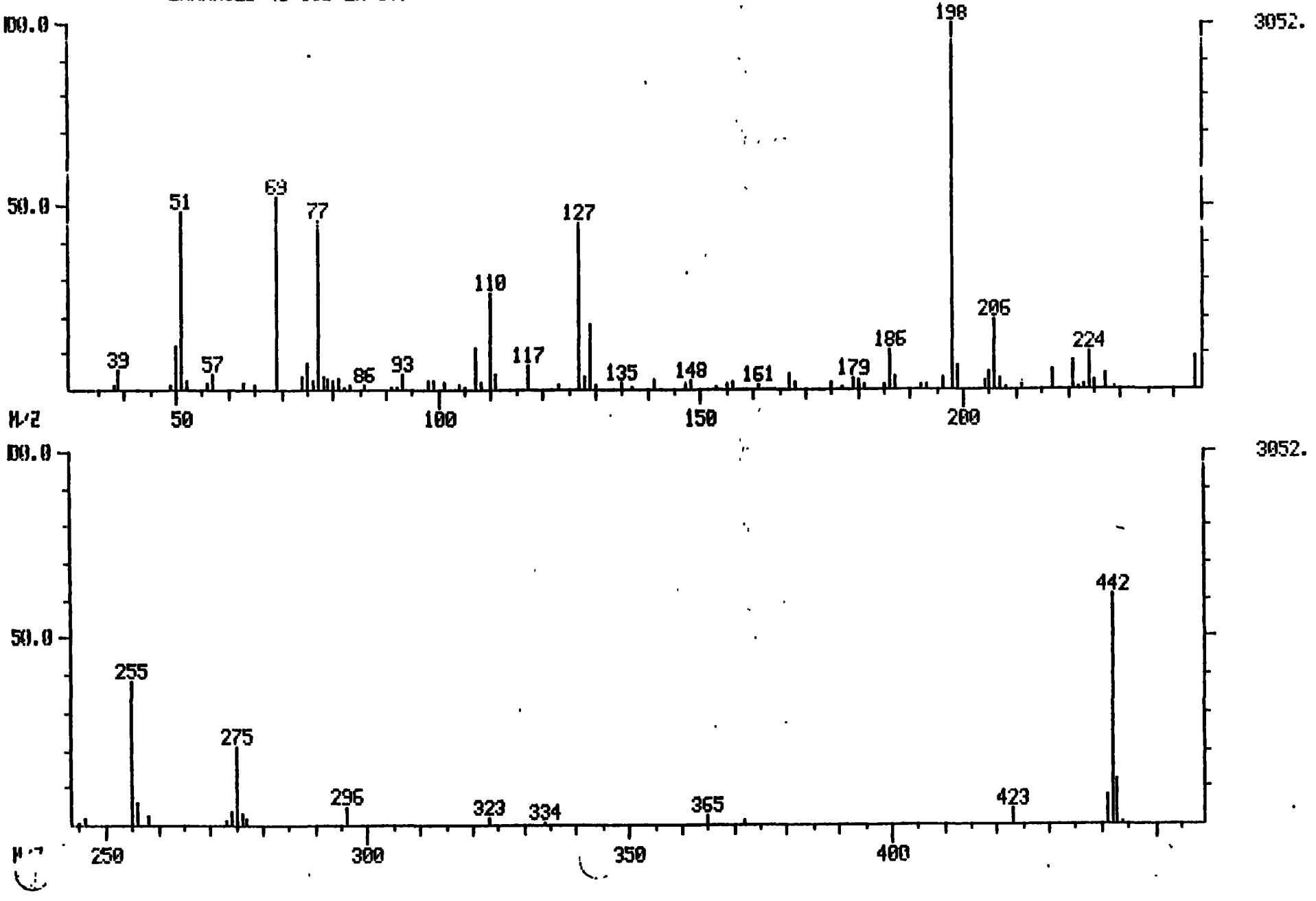
35		0.00	0.00	0.	Minima		Min Inten:		25.
443				# 0	Maxima				
Mass		% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
35.00	F	4.34	0.47	67.	135.00	F	1.75	0.19	27.
36.00	F	17.88	1.93	276.	141.00	F	1.81	0.20	28.
37.00	F	2.01	0.22	31.	147.00	F	1.81	0.20	28.
38.00	F	5.83	0.63	90.	148.00	F	2.07	0.22	32.
39.00	F	5.57	0.60	86.	155.00	F	1.62	0.17	25.
40.00	F	2.01	0.22	31.	157.00	F	3.37	0.36	52.
41.00	F	2.40	0.26	37.	159.00	F	1.68	0.18	26.
42.00	F	1.68	0.18	26.	161.00	F	1.62	0.17	25.
44.00	F	9.39	1.01	145.	166.00	F	1.75	0.19	27.
47.00	F	4.60	0.50	71.	167.00	F	4.40	0.48	68.
48.00	F	2.46	0.27	38.	168.00	F	2.14	0.23	33.
49.00	F	22.93	2.48	354.	175.00		1.68	0.18	26.
50.00	F	13.92	1.50	215.	177.00	F	3.04	0.33	47.
51.00	F	53.95	5.83	833.	179.00	F	2.98	0.32	46.
52.00	F	3.63	0.39	56.	180.00	F	2.53	0.27	39.
56.00	F	1.81	0.20	28.	186.00	F	11.72	1.27	181.
57.00	F	4.73	0.51	73.	187.00	F	4.40	0.48	68.
61.00	F	1.88	0.20	29.	191.00		1.62	0.17	25.
63.00	F	3.11	0.34	48.	193.00		1.62	0.17	25.
69.00	F	51.36	5.55	793.	196.00	F	3.76	0.41	58.
74.00	F	3.89	0.42	60.	198.00	F	100.00	10.81	1544.
75.00	F	6.48	0.70	100.	199.00	F	6.93	0.75	107.
76.00	F	2.78	0.30	43.	204.00	F	2.85	0.31	44.
77.00	F	52.85	5.71	816.	205.00	F	5.18	0.56	80.
78.00	F	3.56	0.38	55.	206.00	F	20.27	2.19	313.
79.00	F	2.72	0.29	42.	207.00	F	2.53	0.27	39.
80.00	F	1.75	0.19	27.	211.00		1.81	0.20	28.
81.00	F	3.04	0.33	47.	217.00	F	6.22	0.67	96.
83.00	F	2.40	0.26	37.	221.00	F	8.55	0.92	132.
84.00	F	14.83	1.60	229.	223.00	F	1.75	0.19	27.
85.00	F	1.75	0.19	27.	224.00	F	11.66	1.26	180.
86.00	F	11.92	1.29	184.	225.00	F	2.59	0.28	40.
88.00	FM	3.04	0.33	47.	227.00	F	3.63	0.39	56.
93.00	F	5.25	0.57	81.	244.00	F	8.94	0.97	138.
96.00	F	1.62	0.17	25.	245.00	F	1.62	0.17	25.
98.00	F	2.72	0.29	42.	255.00	F	40.22	4.35	621.
99.00	F	3.56	0.38	55.	256.00	F	6.22	0.67	96.
101.00	F	3.11	0.34	48.	258.00	F	2.98	0.32	46.
104.00	F	1.94	0.21	30.	274.00	F	4.53	0.49	70.
107.00	F	12.18	1.32	188.	275.00	F	21.83	2.36	337.
108.00	F	2.72	0.29	42.	276.00	F	2.91	0.31	45.
110.00	F	30.31	3.28	468.	277.00	F	1.88	0.20	29.
111.00	F	3.89	0.42	60.	296.00	F	5.70	0.62	88.
117.00	F	6.35	0.69	98.	315.00	F	1.62	0.17	25.
122.00	F	1.62	0.17	25.	323.00	F	1.88	0.20	29.
123.00	F	1.88	0.20	29.	365.00	F	2.27	0.24	35.
127.00	F	51.36	5.55	793.	372.00	F	1.75	0.19	27.
128.00	F	3.56	0.38	55.	423.00	F	6.02	0.65	93.
129.00	F	17.88	1.93	276.	441.00	F	6.67	0.72	103.
130.00	F	1.81	0.20	28.	442.00	F	57.06	6.17	881.
132.00	F	1.75	0.19	27.	443.00	F	9.97	1.08	154.

02537

MASS SPECTRUM
03/15/88 11:49:00.+ 4:55
SAMPLE: DFTPP
CONDS.: GC DESC QD
GC TEMP: 251 DEG. C
ENHANCED (5 15B 2N 0T)

DATA: DFU926 #393
CALI: 031588CU #5

BASE M/Z: 198
PIC: 22624.



Mass List Data: DFU720 # 373 Base m/z: 198
3/15/88 11:49:00 + 4:55 Cali: 031588CU # 5 RIC: 22624.
Sample: DFTPP
Conds.: GC DESC QD
Enhanced (S 15B 2N OT)

38 0.00 0.00 0. Minima Min Inten: 0.
444 # 0 Maxima

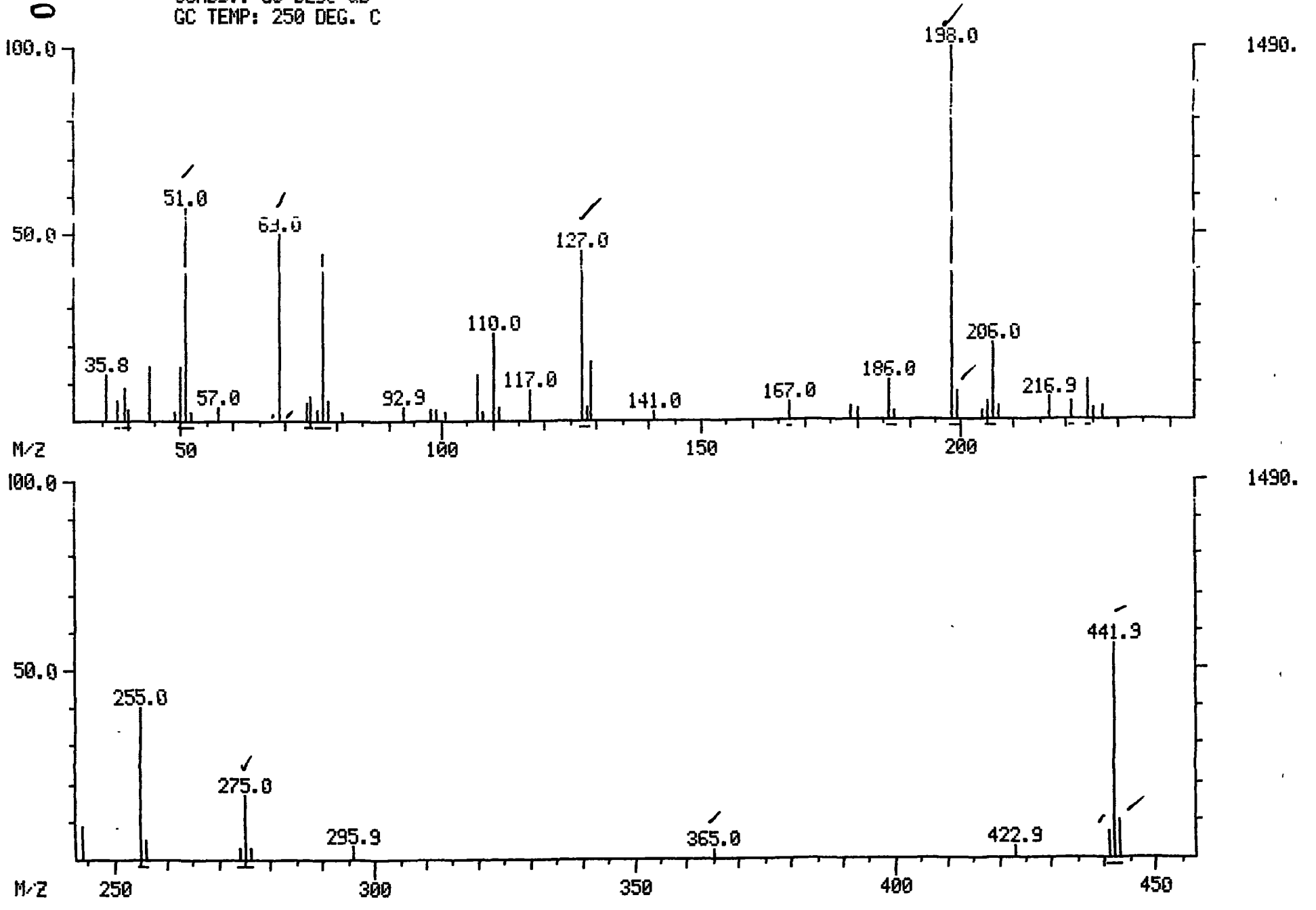
Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
38.00?	1.15	0.15	35.	168.00	1.80	0.24	55.
39.00?	5.28	0.71	161.	175.00	1.87	0.25	57.
49.00	0.92	0.12	28.	177.00	0.59	0.08	18.
50.00	11.96	1.61	365.	179.00	3.18	0.43	97.
51.00	48.49	6.54	1480.	180.00	2.23	0.30	68.
52.00	2.59	0.35	79.	181.00	1.08	0.15	33.
56.00	1.51	0.20	46.	185.00	1.15	0.15	35.
57.00	4.03	0.54	123.	186.00	10.48	1.41	320.
63.00	1.87	0.25	57.	187.00	3.31	0.45	101.
65.00	1.08	0.15	33.	192.00	0.98	0.13	30.
69.00	52.69	7.11	1608.	193.00	0.92	0.12	28.
74.00	3.80	0.51	116.	196.00	3.15	0.42	96.
75.00	7.08	0.95	216.	198.00	100.00	13.49	3052.
76.00	2.46	0.33	75.	199.00	6.29	0.85	192.
77.00	46.20	6.23	1410.	204.00	2.62	0.35	80.
78.00	3.34	0.45	102.	205.00	4.55	0.61	139.
79.00	2.79	0.38	85.	206.00	19.04	2.57	581.
80.00	2.29	0.31	70.	207.00	2.98	0.40	91.
81.00	3.11	0.42	95.	208.00	0.56	0.08	17.
82.00	0.36	0.05	11.	211.00	1.47	0.20	45.
83.00	0.95	0.13	29.	217.00	5.57	0.75	170.
86.00	0.98	0.13	30.	221.00	7.77	1.05	237.
91.00	0.33	0.04	10.	222.00	0.43	0.06	13.
92.00	0.49	0.07	15.	223.00	0.98	0.13	30.
93.00	4.26	0.57	130.	224.00	10.09	1.36	308.
98.00	2.52	0.34	77.	225.00	2.69	0.36	82.
99.00	2.62	0.35	80.	227.00	4.06	0.55	124.
101.00	1.57	0.21	48.	229.00	0.33	0.04	10.
104.00	0.95	0.13	29.	244.00	8.85	1.19	270.
105.00	0.85	0.11	26.	245.00	0.62	0.08	19.
107.00	11.66	1.57	356.	246.00	1.67	0.23	51.
108.00	1.93	0.26	59.	255.00	38.60	5.21	1178.
110.00	26.18	3.53	799.	256.00	6.00	0.81	183.
111.00	4.00	0.54	122.	258.00	2.26	0.30	69.
117.00	6.55	0.88	200.	273.00	1.47	0.20	45.
123.00	1.11	0.15	34.	274.00	3.77	0.51	115.
127.00	45.61	6.15	1392.	275.00	21.23	2.86	648.
128.00	3.87	0.52	118.	276.00	3.01	0.41	92.
129.00	17.76	2.40	542.	277.00	1.87	0.25	57.
130.00	1.41	0.19	43.	296.00	4.59	0.62	140.
135.00	1.57	0.21	48.	323.00	1.93	0.26	59.
137.00	0.59	0.08	18.	334.00	0.85	0.11	26.
141.00	2.16	0.29	66.	365.00	2.56	0.34	78.
147.00	0.95	0.13	29.	372.00	1.21	0.16	37.
148.00	2.13	0.29	65.	423.00	3.93	0.53	120.
153.00	0.36	0.05	11.	441.00	7.80	1.05	238.
155.00	1.15	0.15	35.	442.00	61.27	8.27	1870.
156.00	1.87	0.25	57.	443.00	12.12	1.64	370.
161.00	0.95	0.13	29.	444.00	0.43	0.06	13.
167.00	3.93	0.53	120.				

02539

MASS SPECTRUM...
06/01/88 12:31:00 + 4:37
SAMPLE: DFTPP
CONDS.: GC DESC OD
GC TEMP: 250 DEG. C

DATA: DFU532 #350
CALI: 053188CU #5

BASE M/Z: 198
PIC: 10656.



06/01/88 12:31:00 + 4:37 Cali: 053188CU # 5 RIC: 10656

02540

Sample: DFTPP
Conds.: GC DESC QD

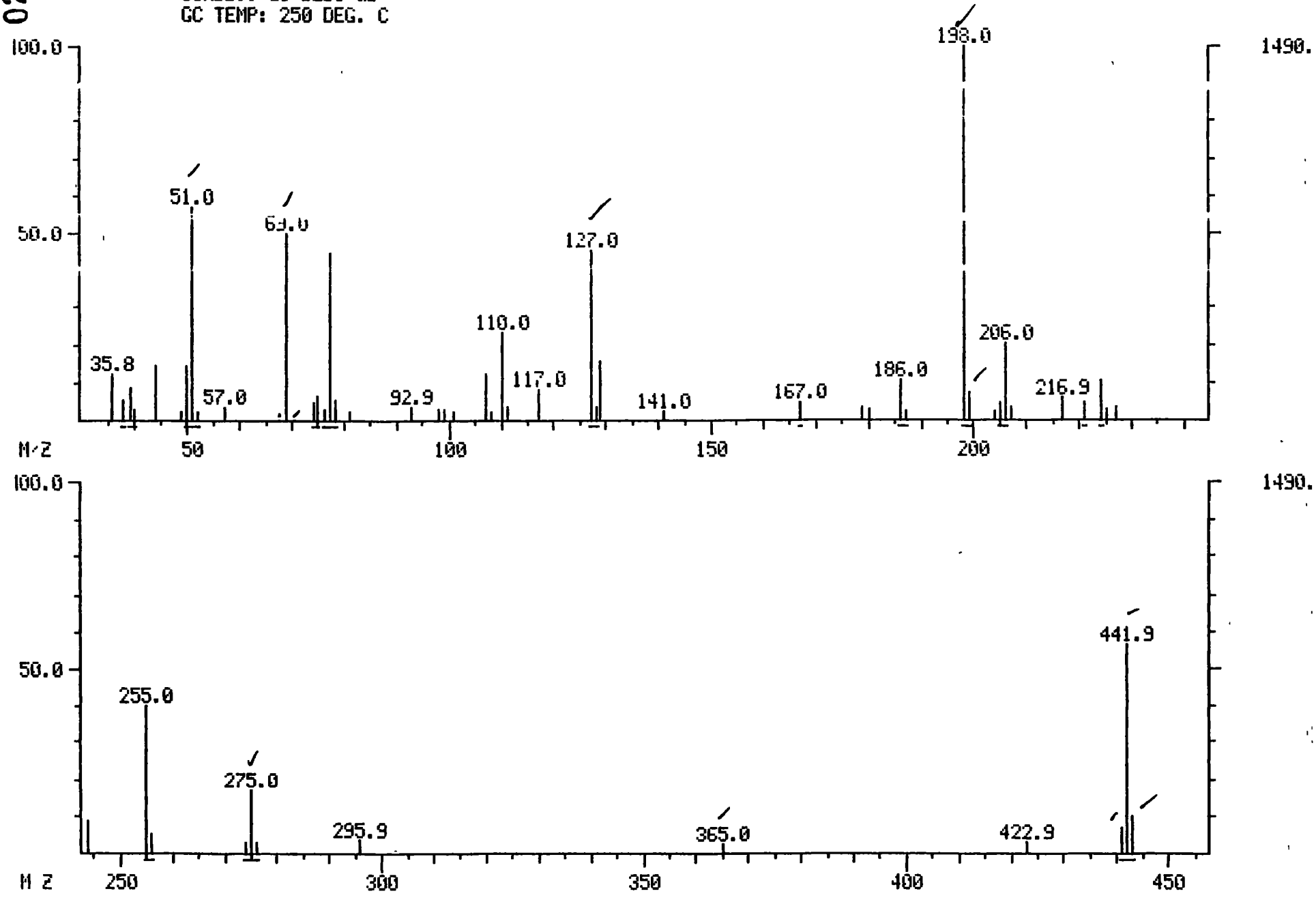
36		0.00	0.00	0.	Minima		Min Inten:	0.	
443				# 0	Maxima				
Mass		% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
35.78?		11.95	1.67	178.	275.91	F	3.15	0.44	47.
37.95?F		5.30	0.74	79.	295.94		3.56	0.50	53.
39.05?F		8.52	1.19	127.	364.97		2.35	0.33	35.
39.96	F	3.15	0.44	47.	422.91		2.82	0.39	42.
44.03		14.63	2.05	218.	440.87	F	6.85	0.96	102.
48.98		2.42	0.34	36.	441.94	F	56.64	7.92	844.
50.00	F	14.30	2.00	213.	442.94	F	10.13	1.42	151.
51.02	F	56.91	7.96	848.					
52.07	F	2.48	0.35	37.					
56.98		3.36	0.47	50.					
68.95		49.87	6.97	743.					
74.03	F	4.83	0.68	72.					
74.99	F	6.51	0.91	97.					
76.05	F	2.68	0.38	40.					
77.05	F	44.70	6.25	666.					
78.43	F	5.23	0.73	78.					
81.02		2.42	0.34	36.					
92.95		3.76	0.53	56.					
97.94		2.82	0.39	42.					
98.98		3.15	0.44	47.					
100.92		2.15	0.30	32.					
106.98		12.08	1.69	180.					
107.98		2.15	0.30	32.					
109.99		23.36	3.27	348.					
111.12		3.22	0.45	48.					
116.98		8.12	1.14	121.					
126.98	F	45.44	6.35	677.					
128.02	F	3.69	0.52	55.					
128.97		15.64	2.19	233.					
141.03		2.35	0.33	35.					
167.05	F	4.50	0.63	67.					
178.89		3.42	0.48	51.					
180.14		2.68	0.38	40.					
186.02	F	10.47	1.46	156.					
187.03	F	2.15	0.30	32.					
197.97	F	100.00	13.98	1490.					
198.98	F	7.58	1.06	113.					
203.97		2.21	0.31	33.					
205.03	F	4.43	0.62	66.					
206.00	F	20.40	2.85	304.					
207.03		3.29	0.46	49.					
216.92		5.97	0.84	89.					
221.00	F	4.36	0.61	65.					
224.03	F	10.74	1.50	160.					
225.00		3.09	0.43	46.					
226.98		3.62	0.51	54.					
243.98		8.93	1.25	133.					
254.97	F	40.34	5.64	601.					
255.98	F	5.30	0.74	79.					
273.87	F	2.89	0.40	43.					
274.97	F	16.71	2.34	249.					

02541

MASS SPECTRUM
06/01/88 12:31:00 + 4:37
SAMPLE: DFTPP
CONDS.: GC DESC 0D
GC TEMP: 250 DEG. C

DATA: DFU532 #303
CAL I: 053188CU #5

BASE M Z: 198
PIC: 10656.

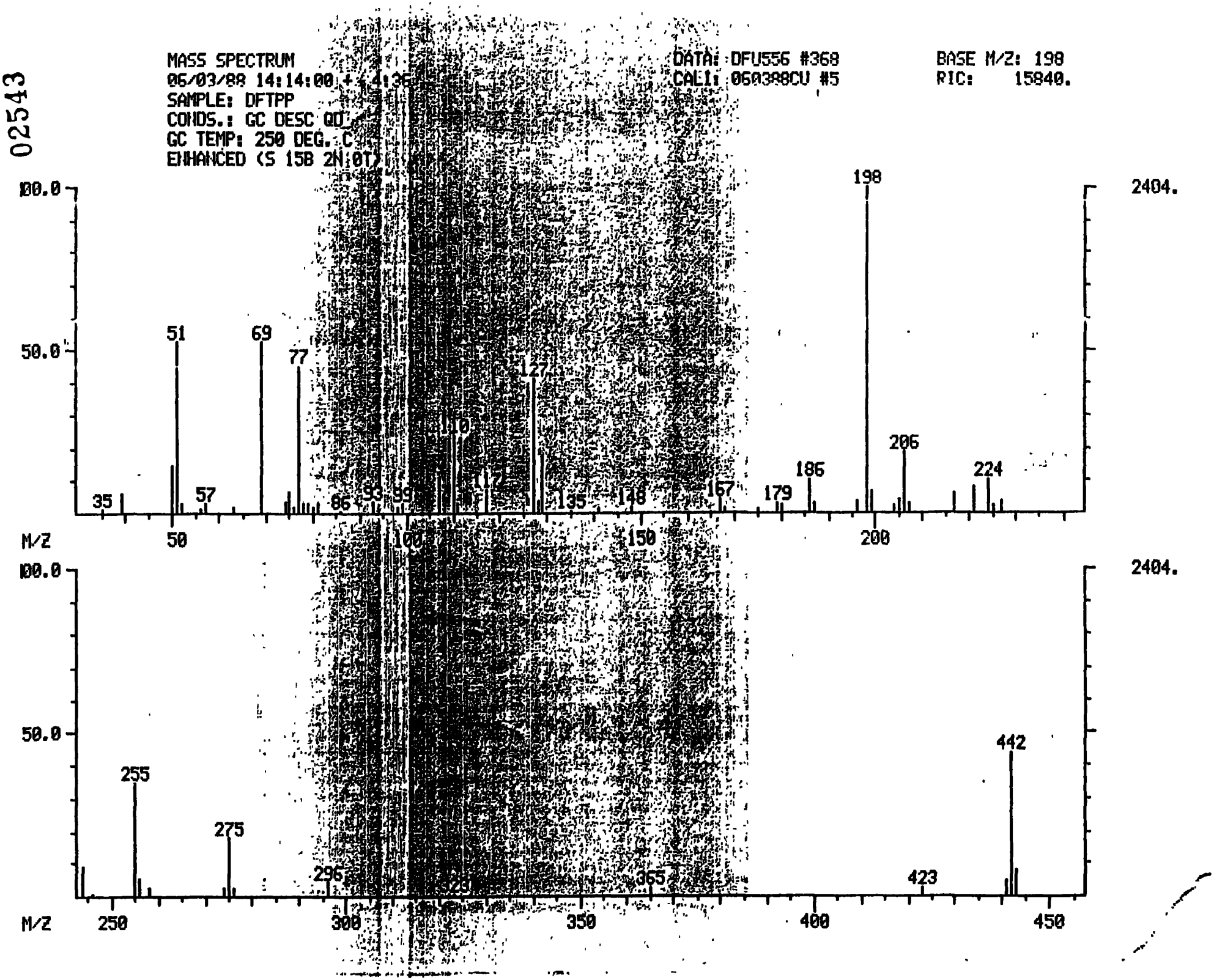


06/01/88 12:31:00 + 4:37 Cali: 053188CU # 5 RIC: 10656.
Sample: DFTPP
Conds.: GC DESC QD

36 0.00 0.00 0. Minima Min Inten: 0.
443 # 0 Maxima

Mass		% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
35.78?		11.95	1.67	178.	275.91	F	3.15	0.44	47.
37.95?F		5.30	0.74	79.	295.94		3.56	0.50	53.
39.05?F		8.52	1.19	127.	364.97		2.38	0.33	35.
39.96	F	3.15	0.44	47.	422.91		2.82	0.39	42.
44.03		14.63	2.05	218.	440.87	F	6.85	0.96	102.
48.98		2.42	0.34	36.	441.94	F	56.64	7.93	844.
50.00	F	14.30	2.00	213.	442.94	F	10.13	1.42	151.
51.02	F	56.91	7.96	848.					
52.07	F	2.48	0.35	37.					
56.96		3.36	0.47	50.					
68.95		49.87	6.97	743.					
74.03	F	4.83	0.68	72.					
74.99	F	6.51	0.91	97.					
76.05	F	2.68	0.38	40.					
77.05	F	44.70	6.25	666.					
78.43	F	5.23	0.73	78.					
81.02		2.42	0.34	36.					
92.95		3.76	0.53	56.					
97.94		2.82	0.39	42.					
98.98		3.15	0.44	47.					
100.92		2.15	0.30	32.					
106.98		12.08	1.69	180.					
107.98		2.15	0.30	32.					
109.99		23.36	3.27	348.					
111.12		3.22	0.45	48.					
116.98		8.12	1.14	121.					
126.98	F	45.44	6.35	677.					
128.02	F	3.69	0.52	55.					
128.97		15.64	2.19	233.					
141.03		2.35	0.33	35.					
167.05	F	4.50	0.63	67.					
178.89		3.42	0.48	51.					
180.14		2.68	0.38	40.					
186.02	F	10.47	1.46	156.					
187.03	F	2.15	0.30	32.					
197.97	F	100.00	13.98	1490.					
198.98	F	7.58	1.06	113.					
203.97		2.21	0.31	33.					
205.03	F	4.43	0.62	66.					
206.00	F	20.40	2.85	304.					
207.03		3.29	0.46	49.					
216.92		5.97	0.84	89.					
221.00	F	4.36	0.61	65.					
224.03	F	10.74	1.50	160.					
225.00		3.09	0.43	46.					
226.98		3.62	0.51	54.					
243.98		8.93	1.25	133.					
254.97	F	40.34	5.64	601.					
255.98	F	5.30	0.74	79.					
273.87	F	2.89	0.40	43.					
274.97	F	16.71	2.34	249.					

02543


MASS SPECTRUM
06/03/88 14:14:00 + 4.4:36
SAMPLE: DFTPP
CONDS.: GC DESC QD
GC TEMP: 250 DEG. C
ENHANCED (S 15B 2N 0T)
DATA: DFU556 #368
CAL1: 060388CU #5
BASE M/Z: 198
RIC: 15840.
100.0
50.0
2404.
M/Z
50
100
150
200
51
69
77
127
110
206
186
224
35
57
86
93
99
112
135
148
167
179
100.0
50.0
2404.
M/Z
250
300
350
400
450
255
275
296
365
423
442

Mass List
06/03/88 14:14:00 + 4:36
Sample: DFTPP
Conds.: GC DESC QD
Enhanced (S 15B 2N OT)

Data: DFU336 # 368
Cali: 060388CU # 5

Base m/z: 198
RIC: 15840.

35 0.00 0.00 0. Minima Min Inten: 0.
443 # 0 Maxima

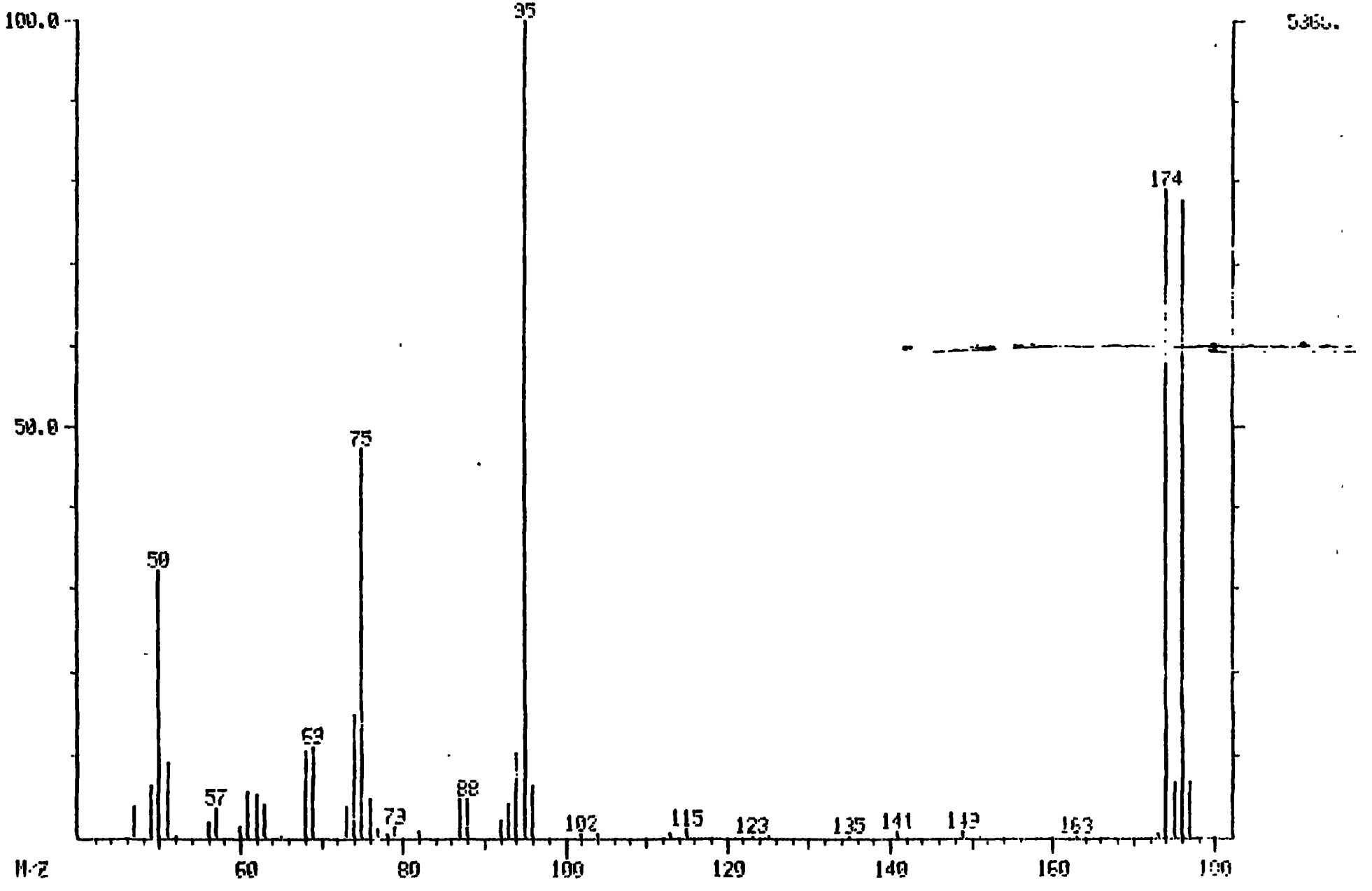
Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
35.00?	1.00	0.15	24.	225.00	2.41	0.37	58.
39.00?	6.20	0.94	149.	227.00	3.70	0.56	89.
50.00	14.60	2.22	351.	244.00	8.74	1.33	210.
51.00	52.58	7.98	1264.	246.00	0.79	0.12	19.
52.00	2.70	0.41	65.	255.00	34.78	5.28	836.
56.00	1.16	0.18	28.	256.00	5.28	0.80	127.
57.00	3.16	0.48	76.	258.00	2.16	0.33	52.
63.00	1.58	0.24	38.	274.00	2.50	0.38	60.
69.00	52.41	7.95	1260.	275.00	18.22	2.77	438.
74.00	3.49	0.53	84.	276.00	2.16	0.33	52.
75.00	6.49	0.98	156.	296.00	4.28	0.65	103.
76.00	1.62	0.25	39.	323.00	0.46	0.07	11.
77.00	45.51	6.91	1094.	365.00	2.25	0.34	54.
78.00	3.04	0.46	73.	423.00	2.29	0.35	55.
79.00	2.75	0.42	66.	441.00	5.07	0.77	122.
80.00	1.66	0.25	40.	442.00	43.59	6.62	1048.
81.00	2.91	0.44	70.	443.00	8.07	1.22	194.
86.00	0.42	0.06	10.				
93.00	3.87	0.59	93.				
98.00	1.66	0.25	40.				
99.00	2.87	0.44	69.				
101.00	1.12	0.17	27.				
107.00	10.65	1.62	256.				
108.00	1.46	0.22	35.				
110.00	23.67	3.59	569.				
111.00	3.00	0.45	72.				
117.00	7.11	1.08	171.				
127.00	41.43	6.29	996.				
128.00	3.41	0.52	82.				
129.00	17.30	2.63	416.				
135.00	0.62	0.09	15.				
141.00	1.33	0.20	32.				
148.00	1.66	0.25	40.				
167.00	4.12	0.62	99.				
168.00	1.46	0.22	35.				
175.00	1.16	0.18	28.				
179.00	2.91	0.44	70.				
180.00	2.20	0.33	53.				
186.00	10.07	1.53	242.				
187.00	2.75	0.42	66.				
196.00	3.66	0.56	88.				
198.00	100.00	15.18	2404.				
199.00	6.32	0.96	152.				
204.00	2.54	0.39	61.				
205.00	4.45	0.68	107.				
206.00	18.76	2.85	451.				
207.00	2.83	0.43	68.				
217.00	5.91	0.90	142.				
221.00	7.49	1.14	180.				
224.00	10.44	1.58	251.				

02545

MASS SPECTRUM
03/20/88 15:22:00 + 7:30
SAMPLE: 50 NG BFB
CONDS.: GC DESC V3
GC TEMP: 250 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BFW440 #150
CALI: 032888CW #2

BASE M/Z: 95
RIC: 25728.



Mass Lists
03/28/88 15:22:00 + 7:30
Sample: 50 NG BF3
Conds.: GC DESC V3
Enhanced (3 15B 2N 0T)

Data. BFW440 # 150
Cali: 032888CW # 2

Base m/z: 93
RIC: 25728.

02546

47 0.00 0.00 0. Minima Min intan: 0
177 # 0 Maxima

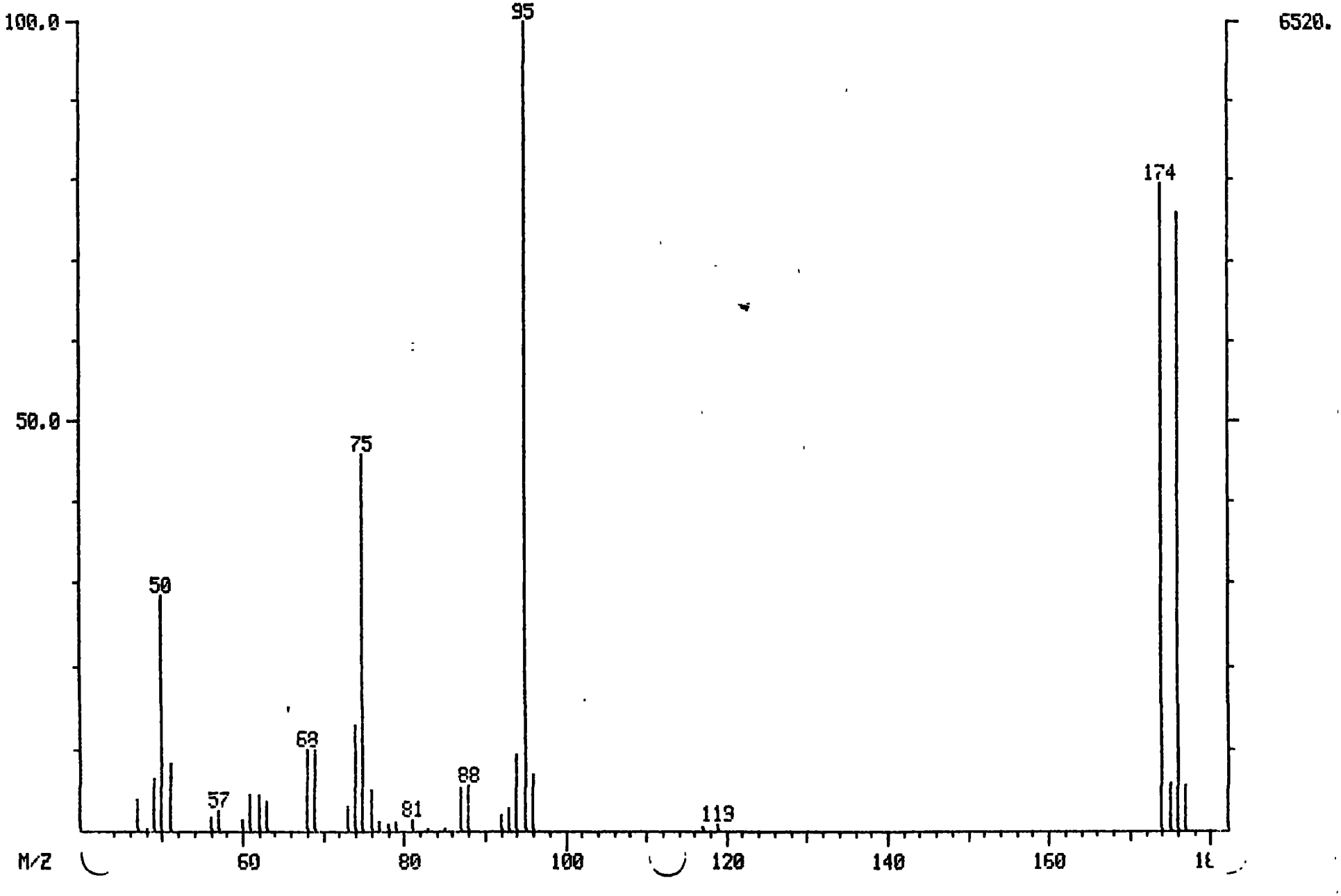
Mass	% RA	% RIC	Inten.
47.00?	3.87	0.81	208.
49.00?	6.28	1.31	337
50.00?	32.30	6.74	1734.
51.00?	9.24	1.93	496.
52.00?	0.15	0.03	8.
56.00?	2.05	0.43	110.
57.00?	3.46	0.72	186.
60.00?	1.45	0.30	78
61.00?	5.42	1.13	291.
62.00?	5.35	1.12	287.
63.00?	4.06	0.85	218
68.00?	0.20	0.04	11.
69.00	10.40	2.18	560
72.00	10.72	2.28	586.
74.00	3.86	0.80	207
75.00	14.88	3.11	799.
76.00	47.24	9.86	2536.
77 00	4.77	1.00	256.
78.00	1.15	0.24	62
79.00	0.63	0.13	34.
82.00	1.27	0.26	68.
87.00	0.95	0.20	51.
88.00	4.69	0.98	252
92.00	4.81	1.00	256.
93.00	2.18	0.45	117
94.00	4.06	0.85	218.
95 00	10.26	2.14	551.
96.00	100.00	20.86	5368.
102.00	6.35	1.33	341.
104.00	0.50	0.10	27.
113.00	0.47	0.10	25.
114.00	0.52	0.11	28.
115.00	0.11	0.02	6.
123.00	1.01	0.21	54.
125.00	0.20	0.04	11.
135.00	0.20	0.04	11.
137.00	0.37	0.08	20.
139.00	0.13	0.03	7.
141.00	0.13	0.03	7
149.00	0.89	0 19	48.
151.00	0 93	0 19	50
163.00	0.28	0.06	15
173.00	0 32	0.07	17
174 00	0.52	0.11	28
175.00	73.99	16.48	4240.
176.00	6 59	1.40	359
177.00	77 90	16 17	4160
	4 96	1.07	352.

02547

MASS SPECTRUM
04/28/88 9:45:00 + 7:45
SAMPLE: 50 NG BFB
CONDS.: GC DESC V3
GC TEMP: 250 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BFW892 #155
CALI: 042888CW #1

BASE M/Z: 95
RIC: 29792.



Mass List
04/28/88 9:45:00 + 7:45
Sample: 50 NG BFB
Conds.: GC DESC V3
Enhanced (S 15B 2N OT)

Data: BFW892 # 155
Cali: 042888CW # 1

Base m/z: 95
RIC: 29792.

47 0.00 0.00 0. Minima Min inten: 0.
177 # 0 Maxima

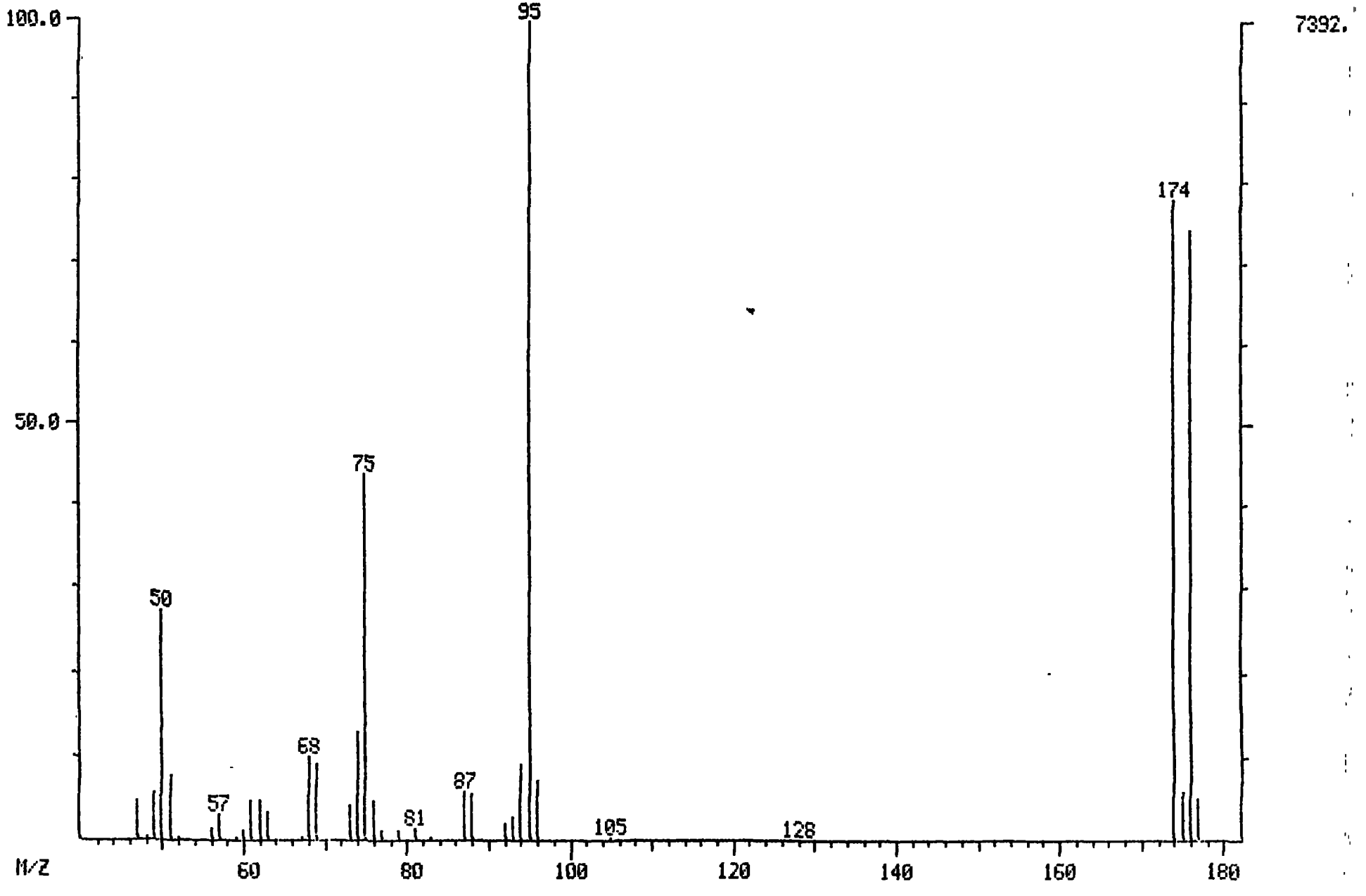
Mass	% RA	% RIC	Inten.
47.00?	3.79	0.83	247.
48.00?	0.31	0.07	20.
49.00?	6.26	1.37	408.
50.00?	28.47	6.23	1856.
51.00?	8.21	1.80	535.
56.00?	1.72	0.38	112.
57.00?	2.48	0.54	162.
60.00?	1.29	0.28	84.
61.00?	4.56	1.00	297.
62.00?	4.43	0.97	289.
63.00?	3.51	0.77	229.
68.00?	9.95	2.18	649.
69.00	9.94	2.18	648.
73.00	3.04	0.66	198.
74.00	12.87	2.82	839.
75.00	45.77	10.02	2984.
76.00	4.95	1.08	323.
77.00	1.12	0.25	73.
78.00	0.81	0.18	53.
79.00	1.09	0.24	71.
81.00	1.30	0.29	85.
83.00	0.32	0.07	21.
84.00	0.11	0.02	7.
85.00	0.41	0.09	27.
87.00	5.20	1.14	339.
88.00	5.49	1.20	358.
91.00	0.11	0.02	7.
92.00	1.92	0.42	125.
93.00	2.87	0.63	187.
94.00	9.45	2.07	616.
95.00	100.00	21.89	6520.
96.00	6.90	1.51	450.
117.00	0.57	0.12	37.
119.00	0.84	0.18	55.
174.00	79.51	17.40	5184.
175.00	5.69	1.25	371.
176.00	76.07	16.65	4960.
177.00	5.41	1.18	353.

02549

MASS SPECTRUM
04/28/88 17:46:00 + 7:51
SAMPLE: 50 NG BFB
CONDS.: GC DESC V3
GC TEMP: 249 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BFW901 #157
CALI: 042888CW #1

BASE M/Z: 95
RIC: 33344.



Mass List
04/28/88 17:46:00 + 7:51
Sample: 50 NG BFB
Conds : GC DESC V3
Enhanced (S 15B 2N OT)

Data: BFW901 # 157
Cali: 042888CW # 1

Base m/z: 95
RIC: 33344.

47 0.00 0.00 0. Minima Min inten: 0.
177 # 0 Maxima

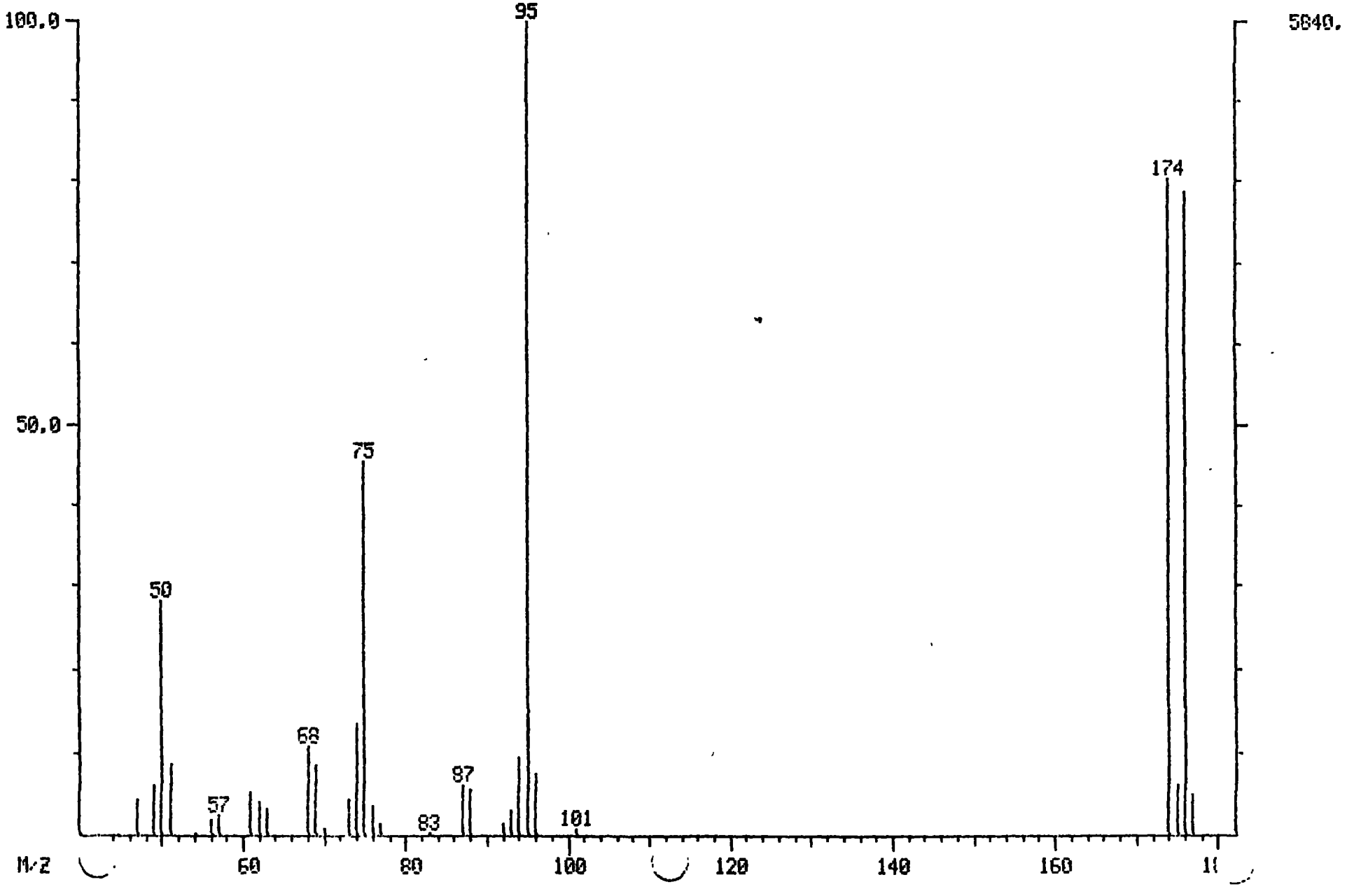
Mass	% RA	% RIC	Inten.
47.00?	4.60	1.02	340.
48.00?	0.28	0.06	21.
49.00?	5.61	1.24	415.
50.00?	27.22	6.03	2012.
51.00?	7.77	1.72	574.
52.00?	0.15	0.03	11.
53.00?	0.08	0.02	6.
56.00?	1.38	0.31	102.
57.00?	3.04	0.67	225.
59.00?	0.35	0.08	26.
60.00?	1.10	0.24	81.
61.00?	4.82	1.07	356.
62.00?	4.80	1.06	355.
63.00?	3.37	0.75	249.
67.00?	0.30	0.07	22.
68.00?	9.83	2.18	727.
69.00	9.01	2.00	666.
73.00	4.27	0.95	316.
74.00	12.96	2.87	958.
75.00	43.83	9.72	3240.
76.00	4.57	1.01	338.
77.00	0.99	0.22	73.
78.00	0.14	0.03	10.
79.00	1.20	0.27	89.
80.00	0.11	0.02	8.
81.00	1.50	0.33	111.
82.00	0.14	0.03	10.
83.00	0.27	0.06	20.
87.00	5.80	1.29	429.
88.00	5.60	1.24	414.
92.00	1.91	0.42	141.
93.00	2.84	0.63	210.
94.00	9.25	2.05	684.
95.00	100.00	22.17	7392.
96.00	7.26	1.61	537.
105.00	0.15	0.03	11.
128.00	0.12	0.03	9.
174.00	77.92	17.27	5760.
175.00	5.88	1.30	435.
176.00	74.13	16.43	5480.
177.00	5.09	1.13	376.

C2551

MASS SPECTRUM
04/29/88 9:16:00 + 7:45
SAMPLE: 50 NG BFB
CONDS.: GC DESC V3
GC TEMP: 250 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BFW914 #155
CALI: 042988CW #3

BASE M/Z: 95
RIC: 26752.



Mass List
04/29/88 9:16:00 + 7:45
Sample: 50 NG BFB
Conds.: GC DESC V3
Enhanced (S 15B 2N OT)

Data: BFW914 # 155
Cali: 042988CW # 3

Base m/z: 95
RIC: 26752.

02552

47	0.00	0.00	0.	Minima
177			# 0	Maxima

Min inten: 0.

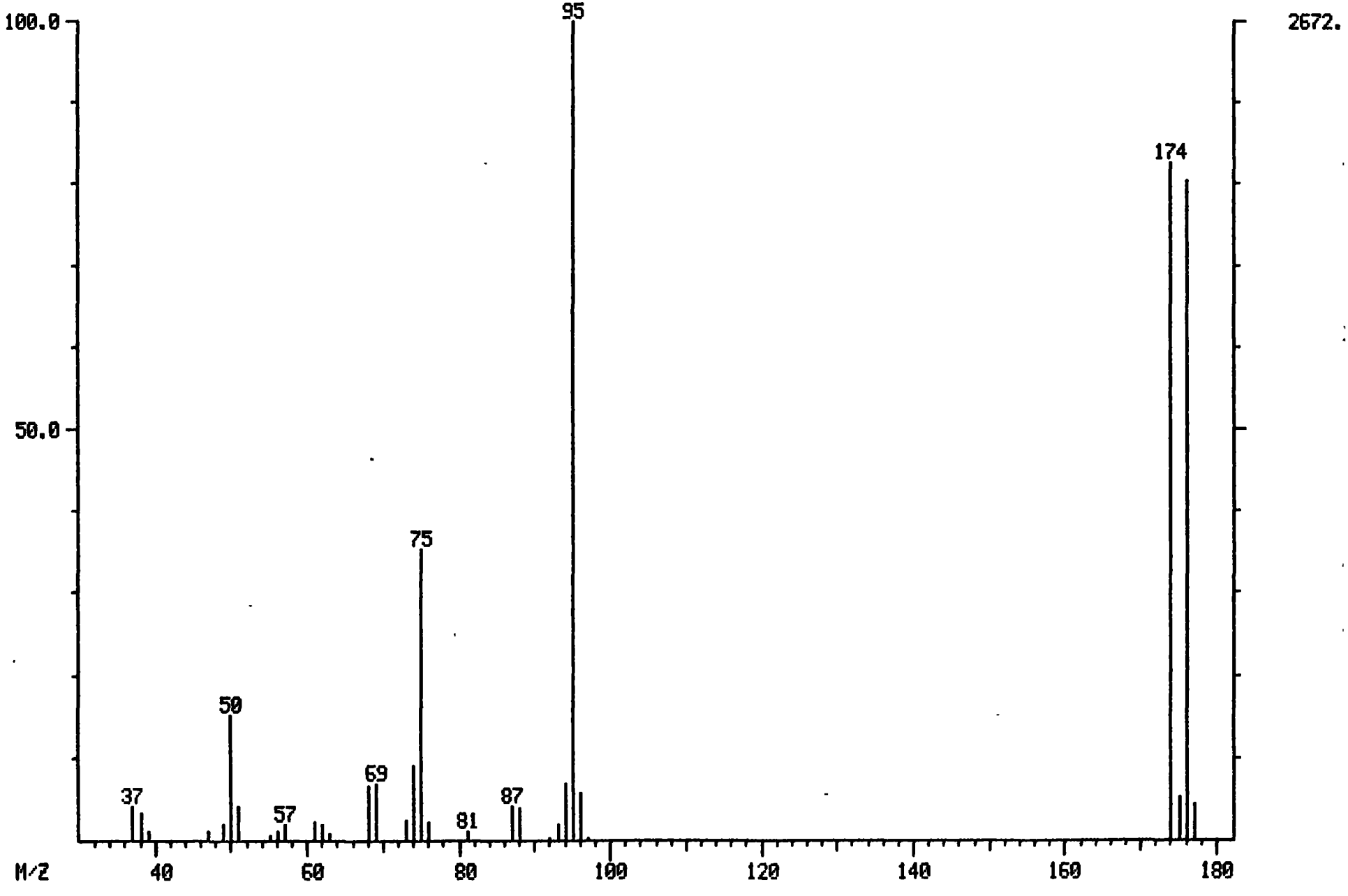
Mass	% RA	% RIC	Inten.
47.00?	4.42	0.96	258.
49.00?	6.04	1.32	353.
50.00?	28.22	6.16	1648.
51.00?	8.51	1.86	497.
54.00?	0.19	0.04	11.
56.00?	1.99	0.43	116.
57.00?	2.62	0.57	153.
61.00?	5.33	1.16	311.
62.00?	4.16	0.91	243.
63.00?	3.32	0.73	194.
68.00?	10.75	2.35	628.
69.00	8.63	1.88	504.
70.00	0.80	0.18	47.
73.00	4.55	0.99	266.
74.00	13.56	2.96	792.
75.00	45.68	9.97	2668.
76.00	3.72	0.81	217.
77.00	1.35	0.30	79.
83.00	0.24	0.05	14.
85.00	0.09	0.02	5.
87.00	6.04	1.32	353.
88.00	5.43	1.18	317.
92.00	1.47	0.32	86.
93.00	2.98	0.65	174.
94.00	9.33	2.04	545.
95.00	100.00	21.83	5840.
96.00	7.48	1.63	437.
101.00	0.75	0.16	44.
174.00	80.27	17.52	4688.
175.00	5.96	1.30	348.
176.00	78.77	17.19	4600.
177.00	4.98	1.09	291.

02553

MASS SPECTRUM.
04/13/88 22:29:00 + 4:24
SAMPLE: 50 NG BFB
CONDS.: GC DESC CV
GC TEMP: 114 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: BFZ533 #264
CALI: 041388CZ #5

BASE M/Z: 95
RIC: 10688.



Mass List
04/13/88 22:29:00 + 4:24
Sample: 50 NG BFB
Conds.: GC DESC CV
Enhanced (S 15B 2N OT)

Data: BFZ533 # 264
Cali: 041388CZ # 5

Base m/z: 95
RIC: 10688.

C2554

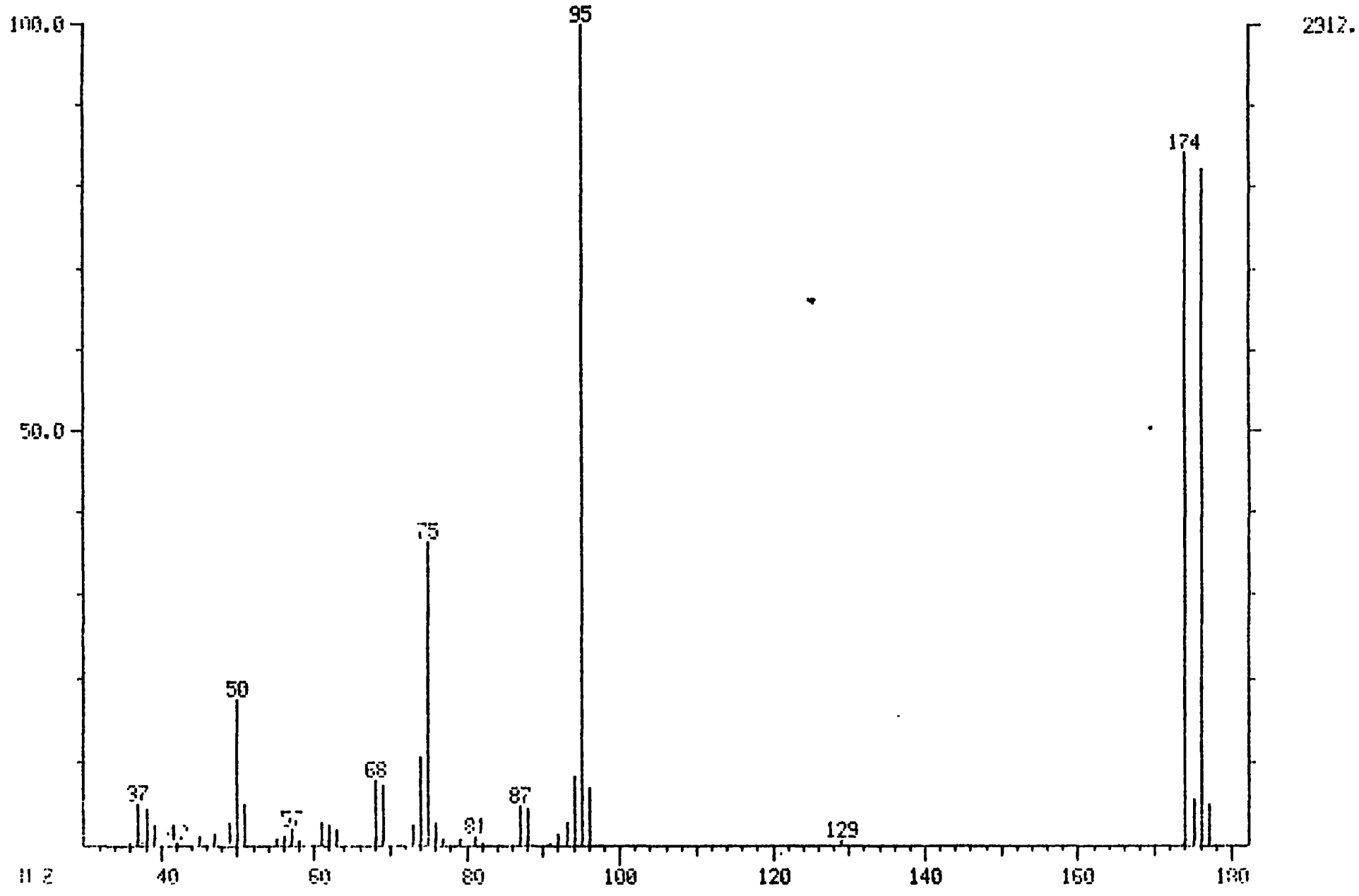
37	0.00	0.00	0.	Minima	Min Inten: 0.
177			# 0	Maxima	
Mass	% RA	% RIC	Inten.		
37.00	4.04	1.01	108.		
38.00	3.41	0.85	91.		
39.00	0.97	0.24	26.		
47.00	1.01	0.25	27.		
49.00	2.06	0.51	55.		
50.00	15.12	3.78	404.		
51.00	4.12	1.03	110.		
55.00	0.45	0.11	12.		
56.00	1.20	0.30	32.		
57.00	1.98	0.50	53.		
61.00	2.17	0.54	58.		
62.00	1.98	0.50	53.		
63.00	0.86	0.22	23.		
68.00	6.74	1.68	180.		
69.00	6.96	1.74	186.		
73.00	2.40	0.60	64.		
74.00	9.09	2.27	243.		
75.00	35.33	8.83	944.		
76.00	2.28	0.57	61.		
81.00	1.16	0.29	31.		
87.00	4.04	1.01	108.		
88.00	3.74	0.94	100.		
92.00	0.41	0.10	11.		
93.00	2.06	0.51	55.		
94.00	7.04	1.76	188.		
95.00	100.00	25.00	2672.		
96.00	5.91	1.48	158.		
97.00	0.26	0.07	7.		
174.00	82.49	20.62	2204.		
175.00	5.13	1.28	137.		
176.00	80.39	20.10	2148.		
177.00	4.49	1.12	120.		

02555

MASS SPECTRUM
04/27/88 10:43:00 + 3:45
SAMPLE: 50 NG BFB
CONDS.: GC DESC CU
GC TEMP: 107 DEG. C
ENHANCED (S 15B 2N 0T)

DATA# BFZ806 #225
CALI: 042788CZ #5

BASE M/Z: 95
RIC: 12480.



Mass List
04/27/88 10 43 00 + 3 45
Sample 50 NG 3FB
Conds : GC DESC CV
Enhanced (S 15B 2N OT)

Data. BFI306 # 225
Cali: 042788CI # 5

Base m/z: 95
RIC 12490

02556

36	0.00	0.00	0.	Minima	Min Inten:	0.
177			# 0	Maxima		

Mass	% RA	% RIC	Inten.
36.00	0.24	0.06	7
37.00	4.91	1.15	143.
38.00	4.43	1.03	129.
39.00	2.37	0.55	69.
42.00	0.38	0.09	11.
45.00	1.13	0.26	33.
47.00	1.30	0.30	38.
49.00	2.75	0.64	80.
50.00	17.28	4.05	506.
51.00	5.01	1.17	146
52.00	0.96	0.22	29.
56.00	1.13	0.26	33
57.00	1.89	0.44	55
58.00	0.55	0.13	16
61.00	2.88	0.67	84
62.00	2.47	0.58	72.
63.00	1.82	0.42	53.
68.00	7.66	1.79	223.
69.00	7.31	1.71	213.
73.00	2.51	0.58	73
74.00	10.37	2.42	302.
75.00	36.40	8.49	1060.
76.00	2.68	0.62	78.
77.00	0.89	0.21	26.
79.00	0.86	0.20	25.
81.00	1.00	0.23	29.
82.00	0.34	0.08	10.
87.00	4.77	1.11	139.
89.00	4.36	1.02	127.
91.00	0.27	0.06	8.
92.00	1.27	0.30	37.
93.00	2.88	0.67	84.
94.00	8.24	1.92	240.
95.00	100.00	23.33	2912.
96.00	6.94	1.62	202.
129.00	0.58	0.14	17.
174.00	84.20	19.65	2452.
175.00	5.43	1.27	158.
176.00	82.42	19.23	2400.
177.00	5.05	1.18	147.

PESTICIDE EVALUATION STANDARDS

02558

EVALUATION MIXES

Evaluation Mix A	Concentration ug/ml	Nanograms Col. A - 2 ul	Injected Col. B - 4 ul
Aldrin	0.003	0.006	0.012
Endrin	0.006	0.012	0.024
pp'-DDT	0.010	0.020	0.040
DBC	0.020	0.040	0.08
Evaluation Mix B			
Aldrin	0.0075	0.015	0.030
Endrin	0.015	0.030	0.060
pp'-DDT	0.025	0.050	0.10
DBC	0.050	0.10	0.20
Evaluation Mix C			
Aldrin	0.015	0.030	0.060
Endrin	0.030	0.060	0.12
pp'-DDT	0.050	0.10	0.20
DBC	0.10	0.20	0.40

02559

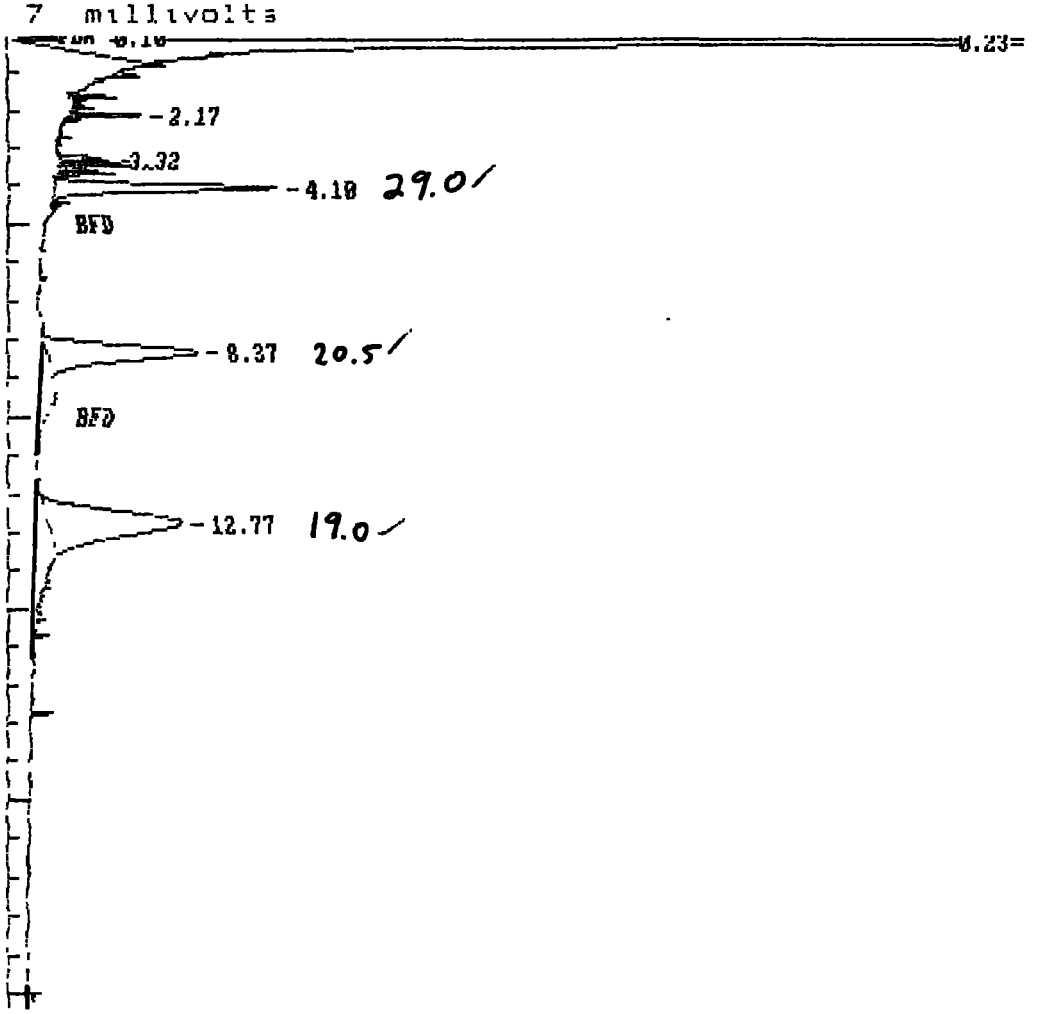
Starting Delay: 0.00 Run Time: 35.00

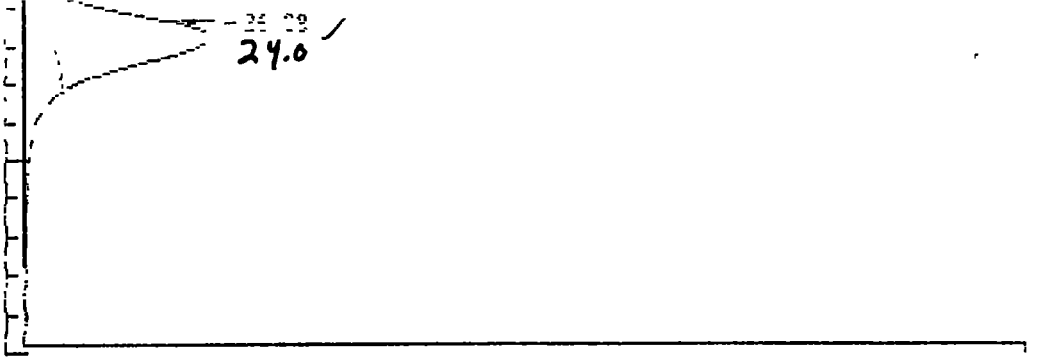
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.10	1084	0.1704	1	452	0.240	2.4
2	0.23	452425	71.1147	1	114724	100.000	4.0
8	2.17	1937	0.3045	1	508	0.428	3.8
8	3.32	1055	0.1658	1	267	0.237	4.0
9	3.53	2634	0.4219	1	495	0.593	5.4
11	4.10	19851	3.1171	1	1528	4.383	13.0
12	8.37	27954	4.3939	1	1005	6.179	27.8
13	12.77	39908	6.2729	1	921	8.821	43.3
14	26.38	89318	14.0393	1	1128	19.741	79.2

SS 5/9/88

Total Area: 636194 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB1261.PTS Printed on 05-09-1988 at 10:00:28
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts





02560

02561

* Sample Name: [illegible] Data File: J:BB1261
* Date: 05-09-1988 [illegible]
* Interface: 12 [illegible] Operator: [illegible] Channel#: 0 Vials: N.A.
* Starting Peak Width: [illegible] Threshold: [illegible] Area Threshold: [illegible]
* Instrument Type: [illegible] Column Type: [illegible]
* Solvent Description: 1 [illegible] SP2250 1.95% [illegible]
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

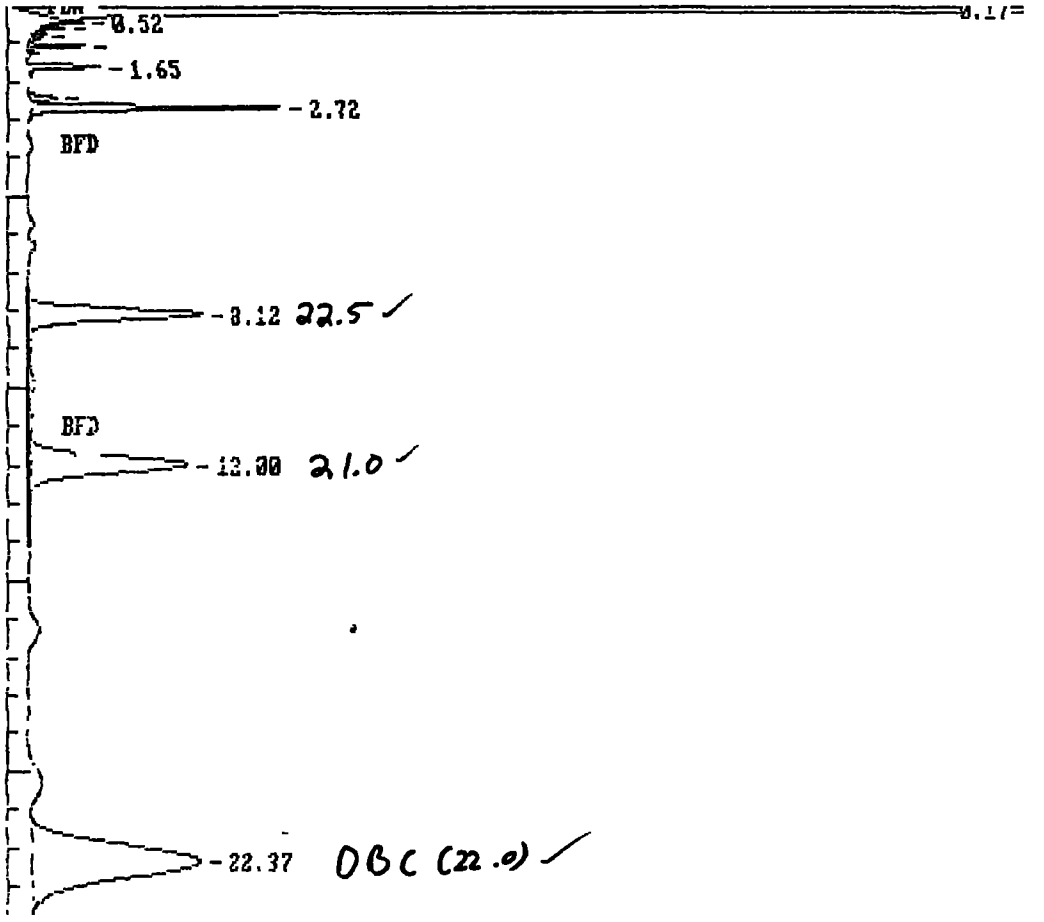
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	720419	64.6050	1	196256	100.000	3.7
2	0.52	1719	0.1542	1	503	0.239	3.4
3	0.65	1612	0.1446	1	430	0.224	3.7
5	0.88	1433	0.1285	1	220	0.199	6.5
6	1.12	4587	0.4113	1	1072	0.637	4.3
8	1.65	8489	0.7613	1	1362	1.178	6.2
9	2.47	3471	0.3112	1	481	0.482	7.2
10	2.72	34427	3.0873	1	4646	4.779	7.4
11	8.12	65928	5.9122	1	3222	9.151	20.5
12	12.00	88690	7.9534	1	2898	12.311	30.6
13	22.37	184344	16.5310	1	3137	25.588	58.8

SS
5/9/88

Total Area: 1115114 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:BB1261.PTS Printed on 05-09-1988 at 10:03:54
Start time: 0.00 min Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts



02563

* Sample Name: EVALUATION MIX 8 Data File: J:AB1262
* Date: 05-06-1988 08:55:25 Method: M:A6PI
* Interface: 10 Cycle#: 2 Operator SS Channel#: 0 Vials#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

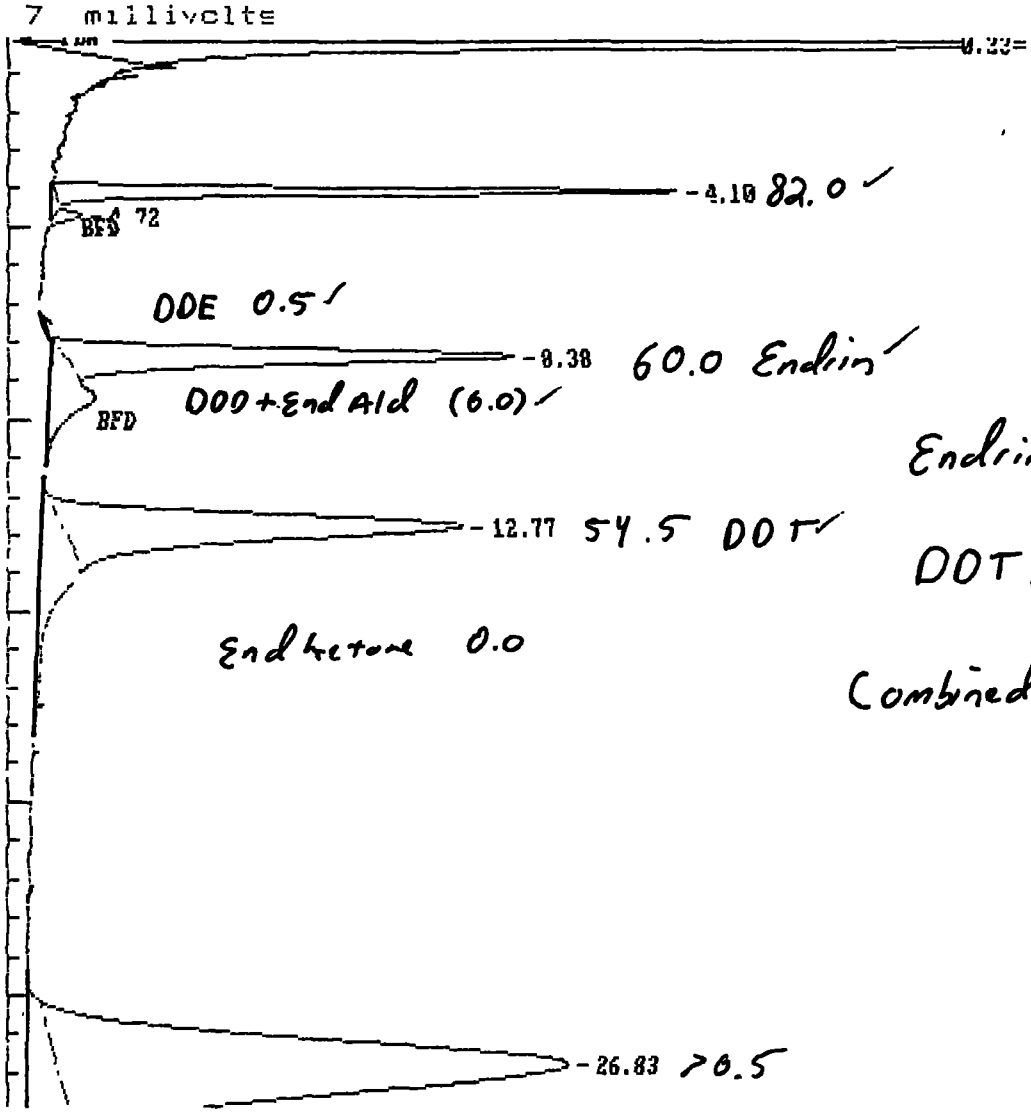
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	B	Peak Ht.	Normalized %	Area/ Height
1	0.23	481879	44.6050	1	103812	100.000	4.6
4	4.10	57069	5.2826	1	4276	11.847	13.3
5	4.72	2742	0.2536	1	180	0.569	15.3
6	8.38	83533	7.7327	1	3074	17.335	27.2
7	12.77	125338	11.6020	1	2756	26.311	45.5
8	26.83	329755	30.5242	1	3523	68.432	93.6

SS
5/9/88

Total Area: 1080305 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB1262.PTS Printed on 05-09-1988 at 10:01:34
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts



Endrin: $\frac{6.0}{66.0}(100) = 9.1\%$

DDT: $\frac{6.5}{61.0}(100) = 11\%$

Combined: $\frac{6.5}{121.0}(100) = 5.4\%$

02565

* Sample Name: EVALUATION [illegible] Data File: [illegible]
* Date: 05-09-1988 09:55:27 Method: [illegible]
* Interface: 12 Cycles: 2 Operator: [illegible] Weight: [illegible]
* Starting Peak Width: 10 Threshold: 1 Area Threshold: [illegible]
* Instrument Type: HP 5880A Column Type: [illegible] ID GLASS
* Solvent Description: [illegible]
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

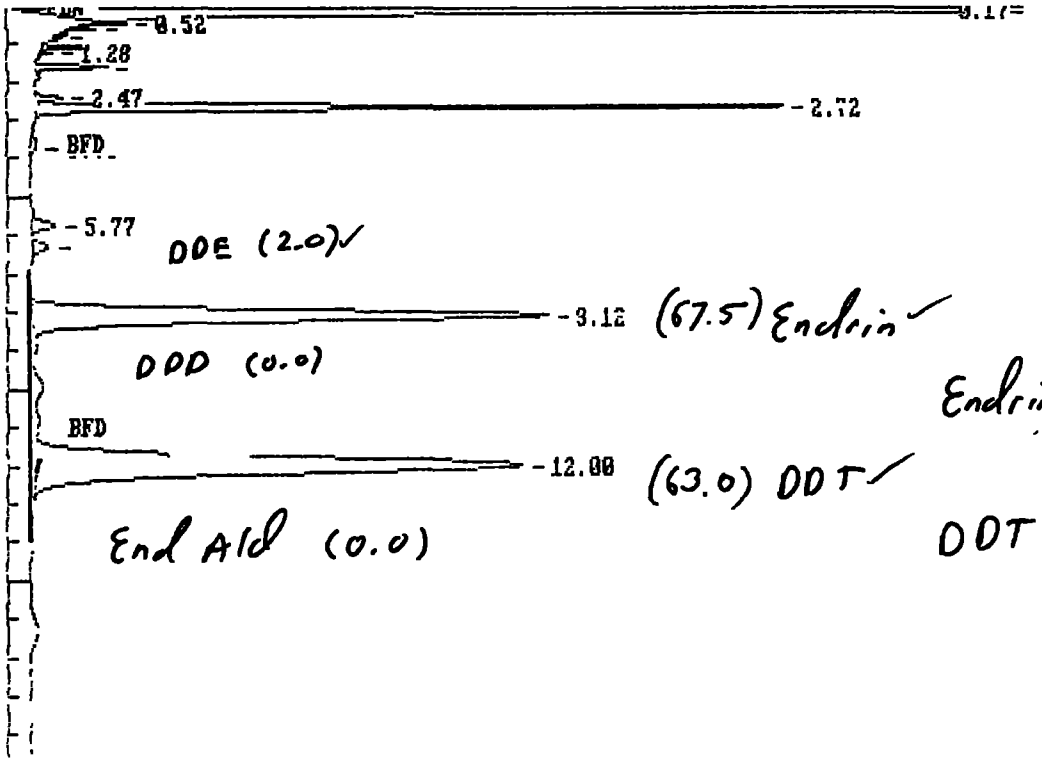
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	768338	39.2707	1	201611	100.000	3.8
2	0.52	2126	0.1087	1	671	0.277	3.2
3	0.65	1834	0.0937	1	519	0.239	3.5
5	0.88	1257	0.0643	1	209	0.164	6.0
6	1.12	4429	0.2264	1	1038	0.576	4.3
7	1.28	1273	0.0650	1	232	0.166	5.5
8	1.65	8366	0.4276	1	1339	1.089	6.2
9	2.47	2989	0.1528	1	437	0.389	6.8
10	2.72	102636	5.2458	1	13961	13.359	7.4
11	3.73	2133	0.1090	1	106	0.278	20.1
12	5.77	6079	0.3107	1	433	0.791	14.0
13	6.33	4383	0.2240	1	291	0.570	15.1
14	8.12	195278	9.9809	1	9637	25.416	20.3
15	12.00	275194	14.0655	1	9051	35.817	30.4
16	20.30	32423	1.6572	1	686	4.220	47.3
17	22.38	547781	27.9978	1	9292	71.294	59.0

SS
5/9/88

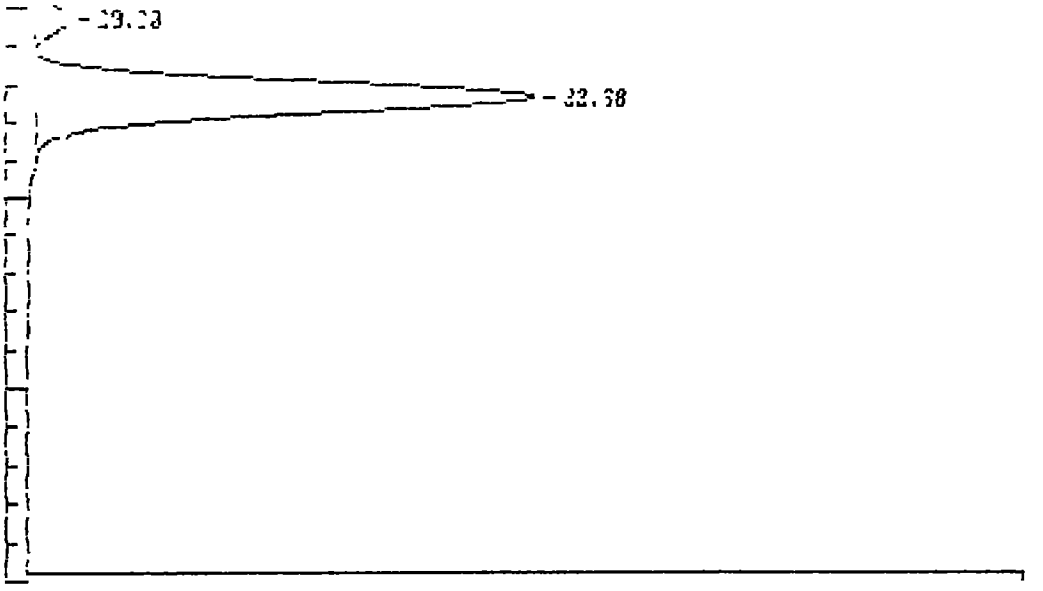
Total Area: 1956516 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:BB1262.PTS Printed on 05-09-1988 at 10:05:32
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts



Endrin: $\frac{0}{67.5}(100) = 0\%$

DDT: $\frac{2.0}{65.0}(100) = 3.1\%$



02566

02567

* Sample Name: EVALUATION [illegible]
* Date: 05-06-1988 09:36:35 Method: M:[illegible]
* Interface: 10 Cycle#: 3 Operator SS Channel#: 0 [illegible]
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1: *

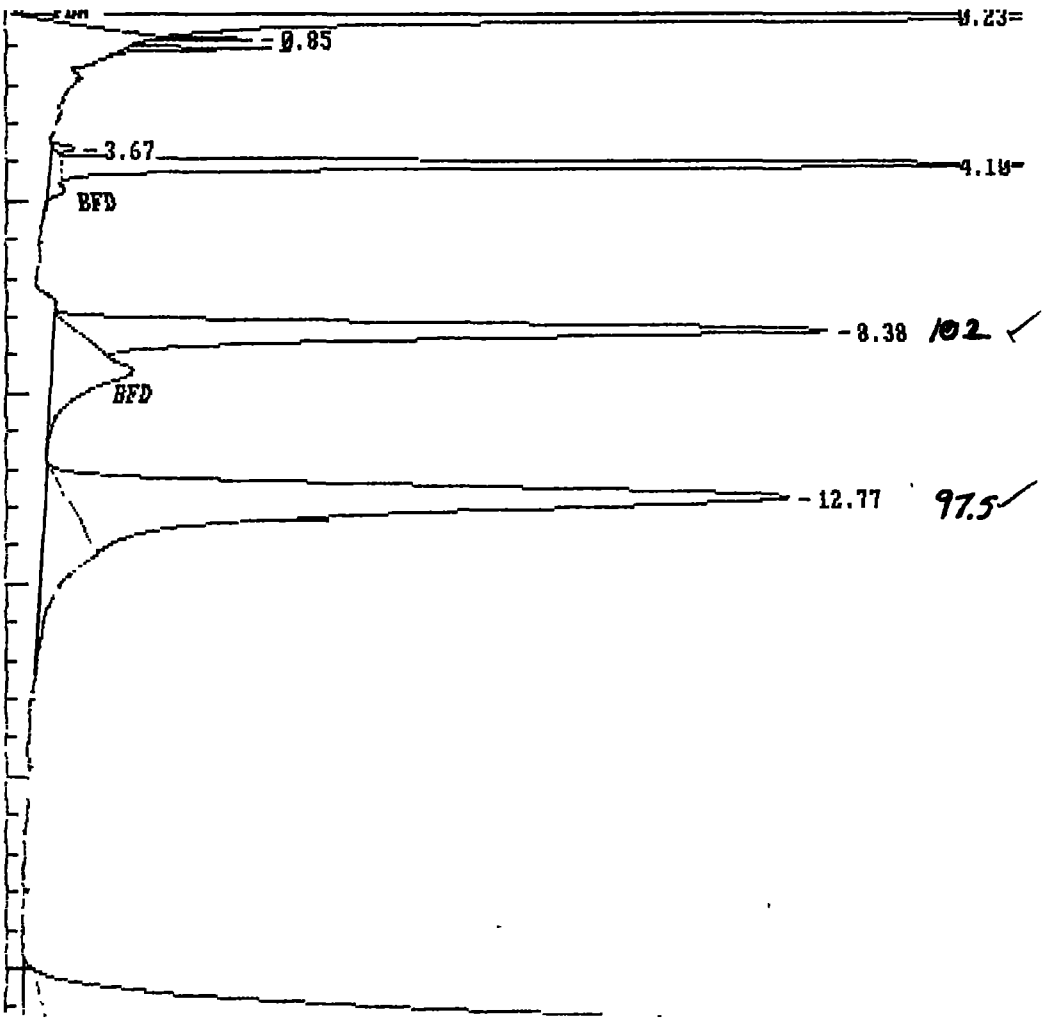
Starting Delay: 0.00 Run Time: 35.00

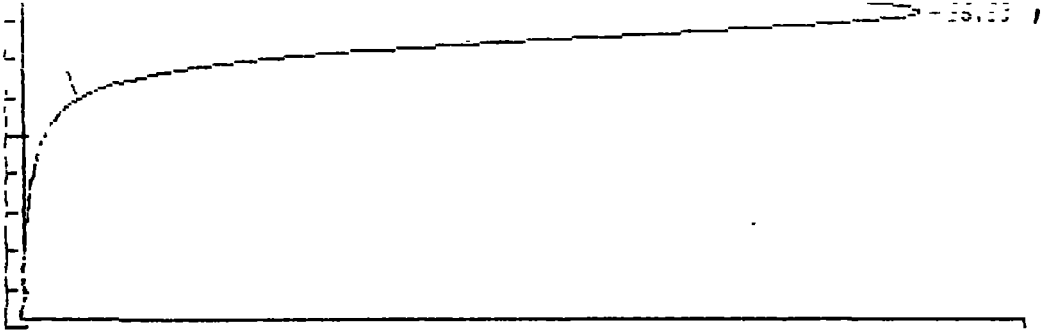
Pk No.	Ret Time	Peak Area	Area %	B K.	Peak Ht.	Normalized %	Area/ Height
1	0.23	442450	29.4186	1	98154	76.523	4.5
2	0.85	2287	0.1521	1	668	0.396	3.4
3	1.10	4638	0.3084	1	1005	0.802	4.6
4	3.67	1380	0.0918	1	132	0.239	10.5
5	4.10	99093	6.5887	1	7469	17.138	13.3
6	8.38	140152	9.3187	1	5184	24.240	27.0
7	12.77	235787	15.6775	1	4995	40.780	47.2
8	26.83	578195	38.4443	1	5997	100.000	96.4

SS 5/9/88

Total Area: 1503982 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB1263.PTS Printed on 05-08-1988 at 11:57:25
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts





02568

02569

* Sample Name: EVALUATION MIX 2 Data File: J:AB1263 *
* Date: 05-06-1988 09:36:35 Method: M:GBFT, *
* Interface: 10 Cycle#: 3 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5980A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.75% SP2401 *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector 0: ECD Detector 1: *
* Misc. Information: 4 UL INJECTION LPT1: * *

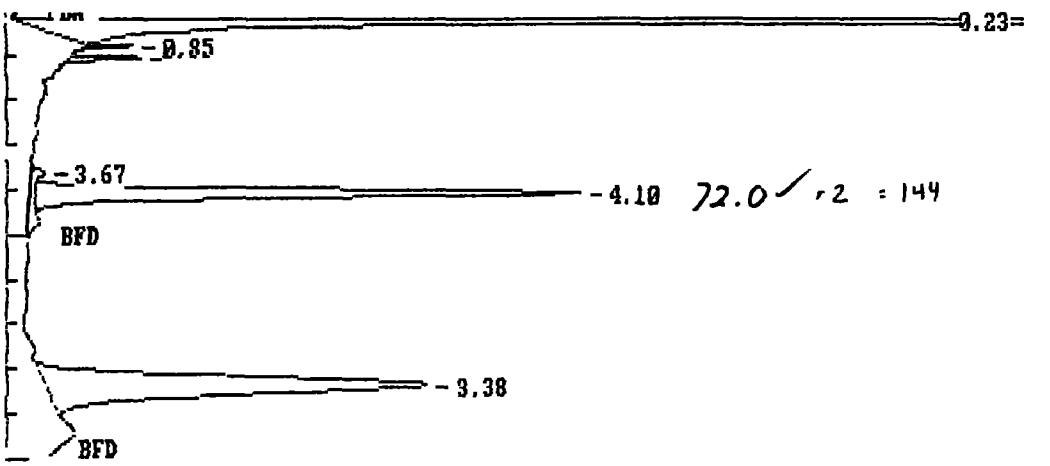
Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	442450	29.4186	1	98154	76.523	4.5
2	0.85	2287	0.1521	1	668	0.396	3.4
3	1.10	4638	0.3084	1	1005	0.802	4.6
4	3.67	1380	0.0918	1	132	0.239	10.5
5	4.10	99093	6.5887	1	7469	17.138	13.3
6	8.38	140152	9.3187	1	5194	24.240	27.0
7	12.77	235787	15.6775	1	4995	40.780	47.2
8	26.83	578195	38.4443	1	5997	100.000	96.4

SS 5/9/88

Total Area: 1503982 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB1263.PTS Printed on 05-09-1988 at 07:49:27
Start time: 0.00 min. Stop time: 10.00 min. Offset: 0 mv.
Full Range: 14 millivolts



02570

* Sample Name: EVALUATION MIX C Data File: J:BB1263
* Date: 05-06-1988 09:33:39 Method: M:BOPI
* Interface: 12 Cycle#: 3 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 585.A Column Type: 6FT x 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

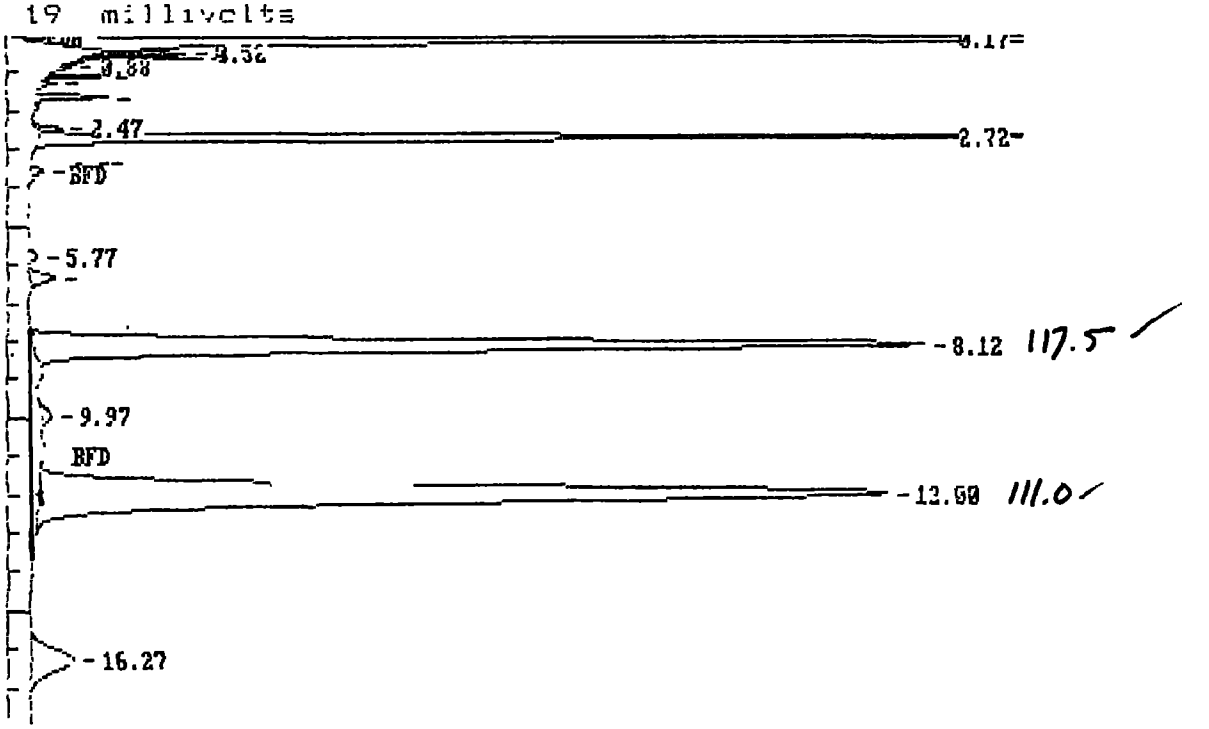
Starting Delay: 0.00 Run Time: 35.00

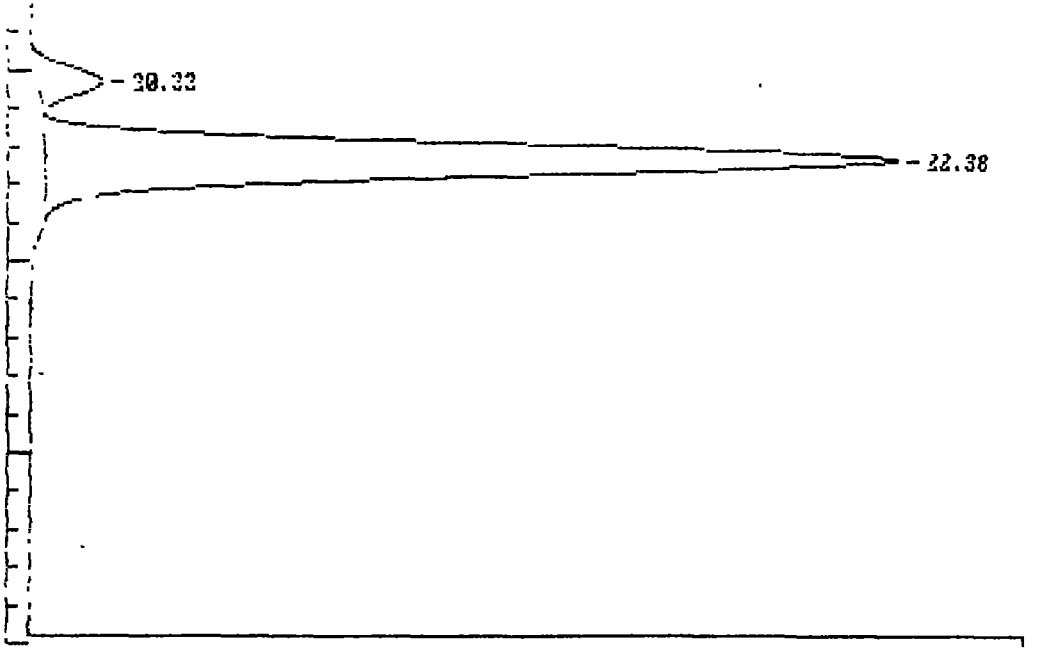
Pk. No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	735791	26.1739	1	195476	78.442	3.8
2	0.52	4574	0.1627	1	1573	0.466	2.9
3	0.65	7545	0.2684	1	2287	0.804	3.3
4	0.88	1411	0.0502	1	234	0.150	6.0
5	1.12	4699	0.1672	1	1117	0.501	4.2
6	1.28	1846	0.0657	1	319	0.197	5.8
7	1.65	8477	0.3015	1	1366	0.904	6.2
8	2.47	2946	0.1048	1	446	0.314	6.6
9	2.72	183953	6.5436	1	25084	19.611	7.3
10	3.55	1896	0.0674	1	204	0.202	9.3
11	5.77	2134	0.0759	1	152	0.228	14.0
12	6.33	6942	0.2469	1	441	0.740	15.8
13	8.12	336503	11.9702	1	16745	35.874	20.1
14	9.97	3505	0.1247	1	171	0.374	20.4
15	12.00	482219	17.1537	1	15925	51.409	30.3
16	16.27	31071	1.1053	1	766	3.312	40.6
17	20.32	57651	2.0508	1	1187	6.146	48.6
18	22.38	938001	33.3670	1	15994	100.000	58.6

SS 5/9/88

Total Area: 2811161 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:BB1263.PTS Printed on 05-09-1988 at 10:06:14
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




30.33
22.38

* Sample Name: EVALUATION #1: 6 Dat. File: J:AB12519 *
* Date: 05-06-1988 20:05:44 Method: M:4PT
* Interface: 10 Cycle#: 12 Operator: SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector 0: ECD Detector 1: *
* Misc. Information: 4 UL INJECTION LPT1: * *

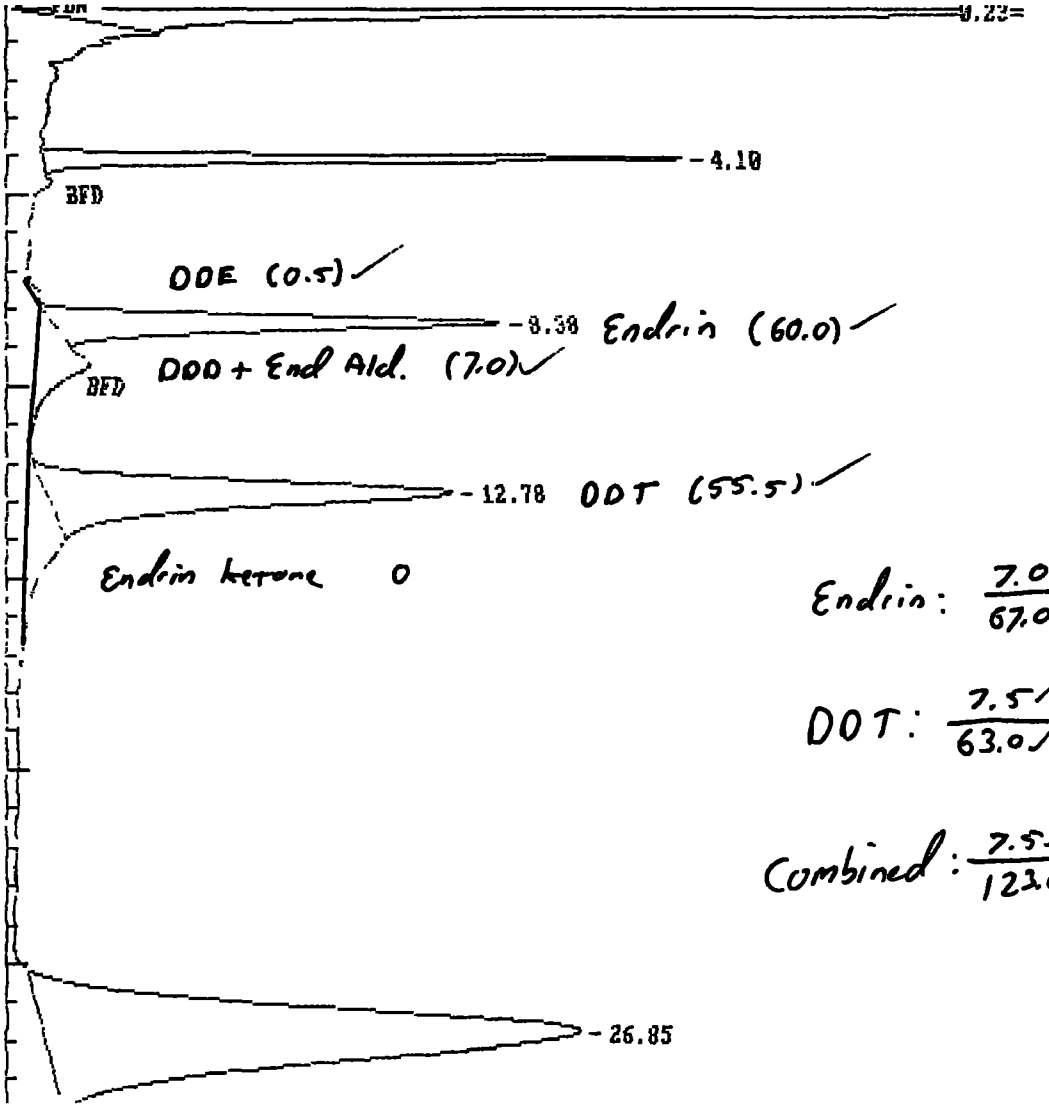
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	B/ L	Peak Ht.	Normalized %	Area/ Height
1	0.23	47e356	43.4251	1	103488	100.000	4.6
2	4.10	59239	5.3980	1	4398	12.471	13.5
3	8.38	83277	7.5884	1	3068	17.475	27.1
4	12.78	128412	11.7012	1	2790	26.946	46.0
5	26.85	349930	31.8872	1	5701	73.456	54.5

SS
5/9/88

Total Area: 1097420 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB12519.PTS Printed on 05-08-1988 at 11:43:57
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts



Endrin: $\frac{7.0}{67.0}(100) = 10\%$

DDT: $\frac{7.5}{63.0}(100) = 12\%$

Combined: $\frac{7.5}{123.0}(100) = 6.1\%$

02574

* Sample Name: EVALUATION MIX 8 Data File: J:BB1[illegible]
* Date: 05-06-1988 10:47:57 Method: M:BBFI
* Interface: 12 Cycle#: 19 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5890A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250 1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

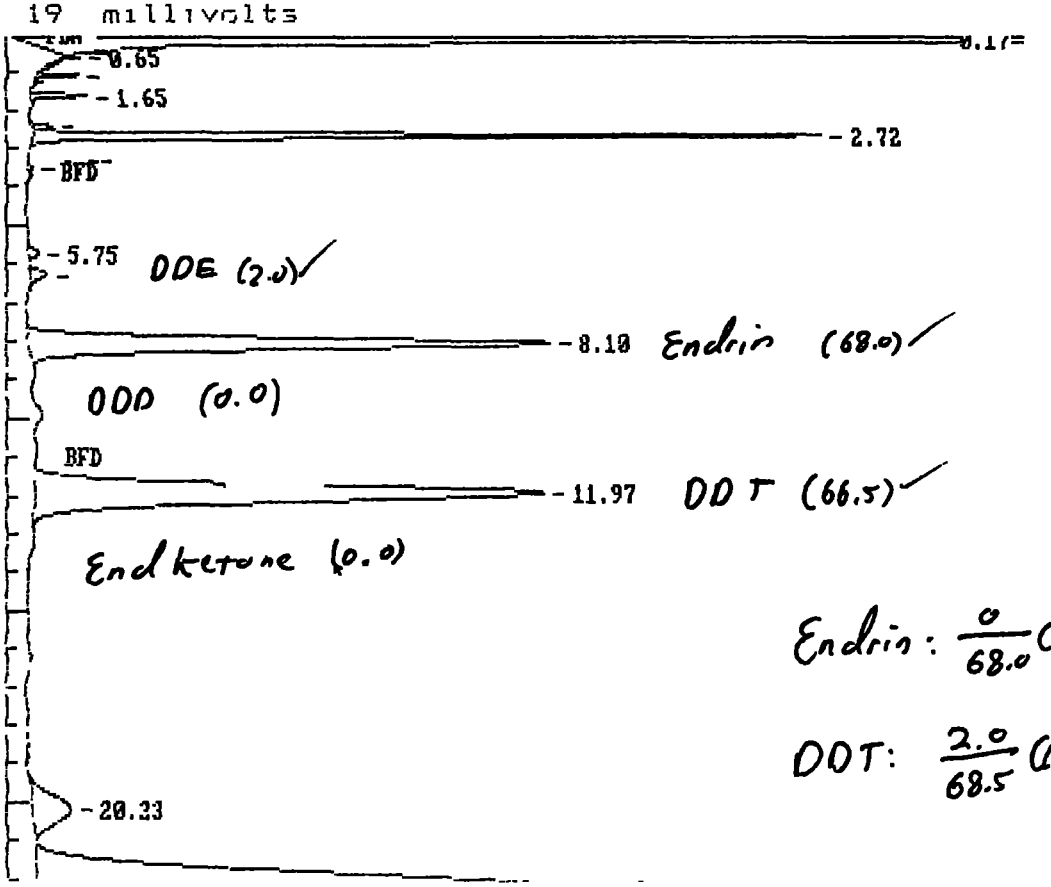
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	783976	39.1560	1	194840	100.000	4.0
2	0.65	1264	0.0631	1	326	0.161	3.9
4	1.12	3397	0.1697	1	792	0.407	4.3
6	1.65	6824	0.3406	1	1083	0.870	6.3
7	2.47	2386	0.1192	1	367	0.304	6.5
8	2.72	107501	5.3692	1	14775	13.712	7.3
9	3.57	1195	0.0597	1	84	0.152	14.2
10	5.75	2661	0.1329	1	192	0.339	13.9
11	6.30	5019	0.2507	1	320	0.640	15.7
12	8.10	197118	9.8451	1	9745	25.143	20.2
13	11.97	288219	14.3952	1	9508	36.764	30.3
14	20.23	35618	1.7790	1	744	4.542	47.9
15	22.28	567009	28.3195	1	9672	72.325	58.6

Total Area: 2002186 Area Reject: 1000 One sample per 1.000 sec.

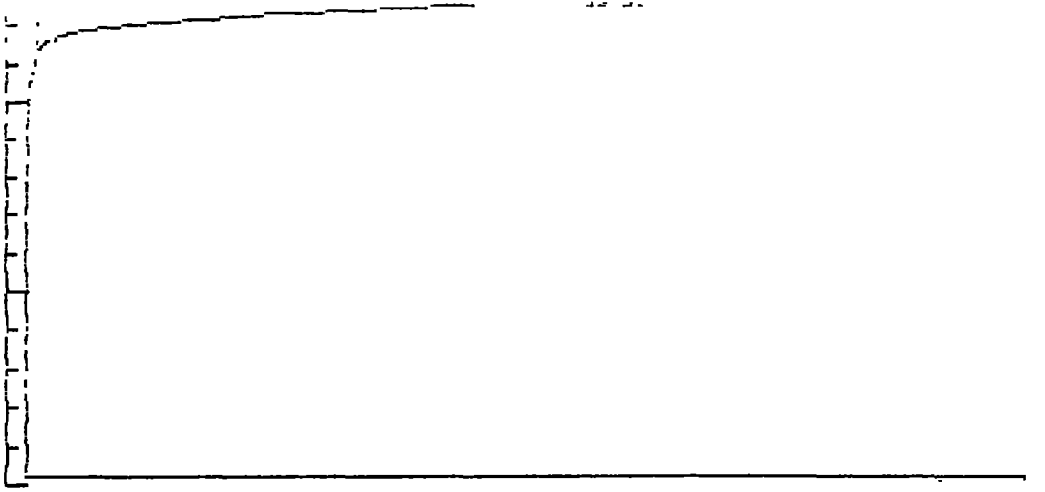
SS
5/9/88

Data File = J:BB10619.PT5 Printed on 05-08-1988 at 12:17:29
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts



Endrin: $\frac{0}{68.0}(100) = 0$ /

DDT: $\frac{2.0}{68.5}(100) = 2.9\%$



[illegible]

02576

* Sample Name: EVALUATION MIX 1 Data File: J:AB12631
* Date: 05-07-1986 02:[illegible] Method: M1-BFT
* Interface: 10 Cycle#: 31 Operator: SB Channel#: 0 Vials: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1: +

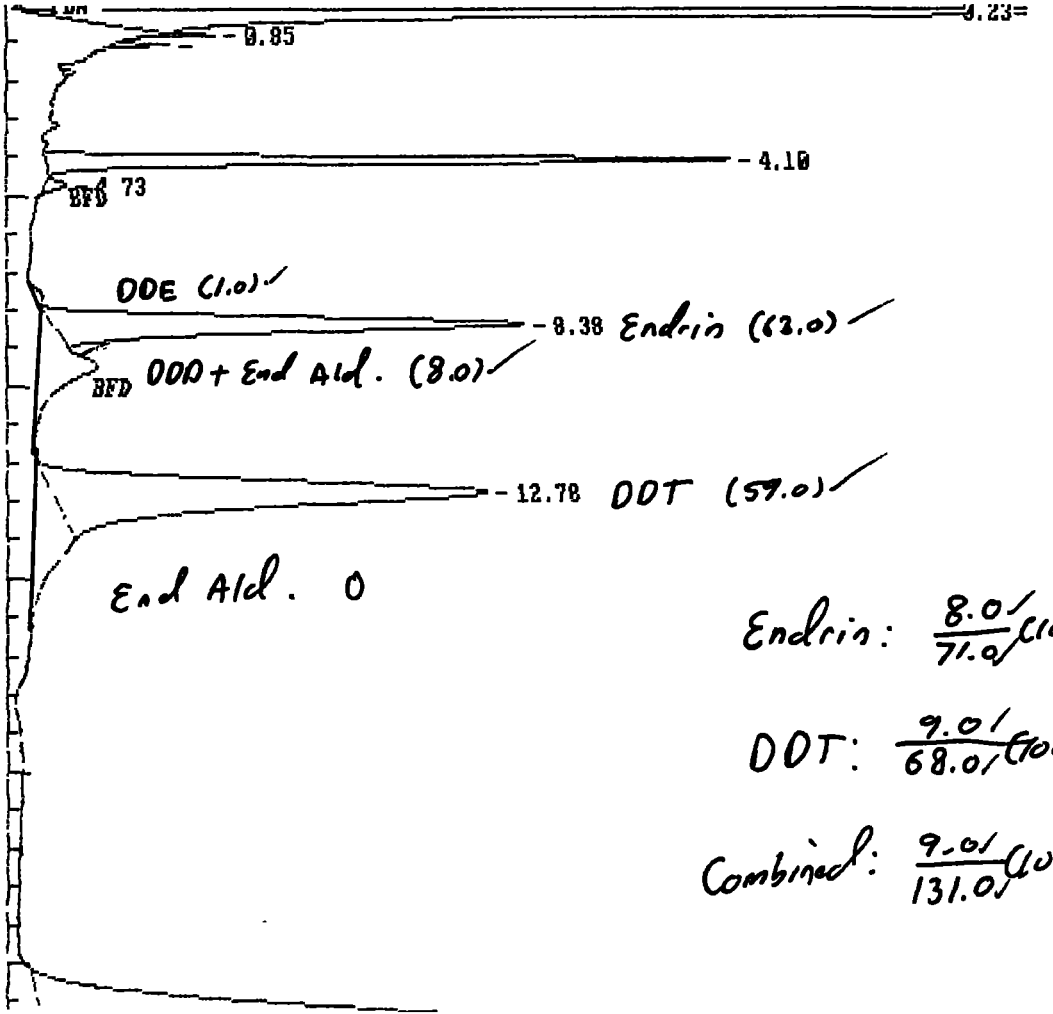
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	497698	42.6698	1	105508	100.000	4.7
2	0.85	1406	0.1205	1	413	0.293	3.4
3	1.10	1945	0.1668	1	411	0.391	4.7
5	4.10	62803	5.3844	1	4693	12.619	13.4
6	4.73	2245	0.1925	1	150	0.451	14.9
7	8.38	86255	7.3950	1	3215	17.331	26.8
8	12.78	137042	11.7492	1	2980	27.535	46.0
9	26.85	377002	32.3219	1	3965	75.749	95.1

SS
5/9/88

Total Area: 1166395 Area Reject: 1000 One sample per 1.000 sec

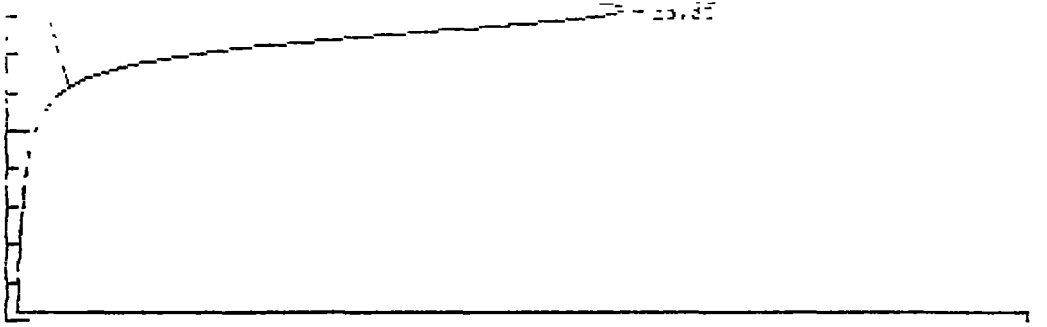
Data File = J:AB12631.PTS Printed on 05-08-1986 at 11:57:36
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts



Endrin: $\frac{8.0}{71.0}(100) = 11\%$

DDT: $\frac{9.0}{68.0}(100) = 13\%$

Combined: $\frac{9.0}{131.0}(100) = 6.9\%$



AREA PERCENT REPORT

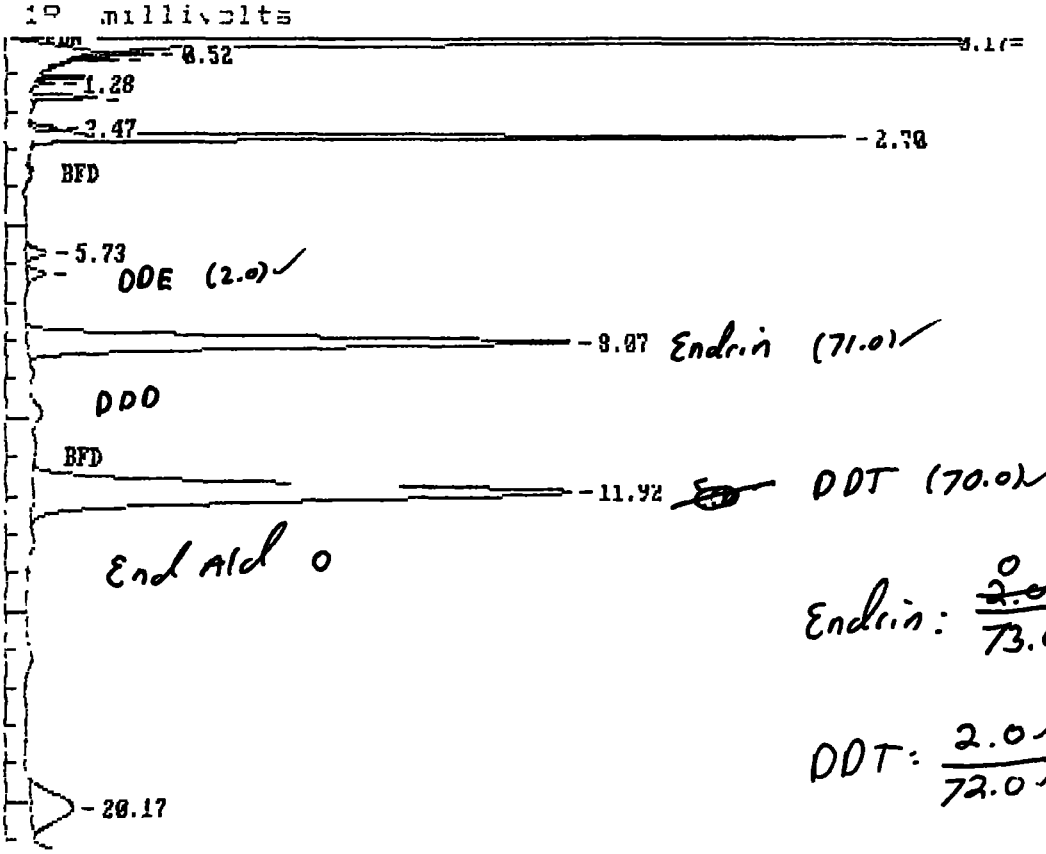
```
******************************* 05-08-1988 12:31:30 Version 4.1 ******************************
* Sample Name: EVALUATION MIX 9                          Data File: J:BB12631                  *
* Date: 05-07-1988 03:18:53 Method: H:BBPT                                                     *
* Interface: 12  Cycle#:  31   Operator SS  Channel#: 0    Vial#: N.A.                         *
* Starting Peak Width: 10   Threshold: 1  Area Threshold: 100                                  *
*********************************************************************************************
* Instrument Type: HP 5890A                  Column Type: 6FT X 2MM ID GLASS                   *
*              Solvent Description: 1.5% SP2250/1.95% SP2401                                   *
* Conditions: 190 DEG ISOTHERMAL                                                               *
*              Detector 0:                   Detector 1: ECD                                   *
* Misc. Information: 4 UL INJ                                                                  *
*********************************************************************************************
Starting Delay:    0.00                                  Run Time:    35.00
```

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area Height
1	0.17	797923	38.3676	1	202929	100.000	3.9
2	0.52	3578	0.1720	1	1183	0.448	3.0
3	0.65	3130	0.1505	1	905	0.392	3.5
4	1.12	3825	0.1839	1	903	0.479	4.2
5	1.28	1919	0.0923	1	390	0.240	4.9
6	1.65	7668	0.3687	1	1235	0.961	6.2
7	2.47	2605	0.1253	1	399	0.326	6.5
8	2.70	111640	5.3681	1	15210	13.991	7.3
10	5.73	5458	0.2624	1	384	0.684	14.2
11	6.28	4877	0.2345	1	319	0.611	15.3
12	8.07	203711	9.7953	1	10124	25.530	20.1
13	11.92	302652	14.5529	1	10028	37.930	30.2
14	20.17	37800	1.8176	1	792	4.737	47.8
15	22.20	592893	28.5089	1	10128	74.305	58.5

SS
5/9/88

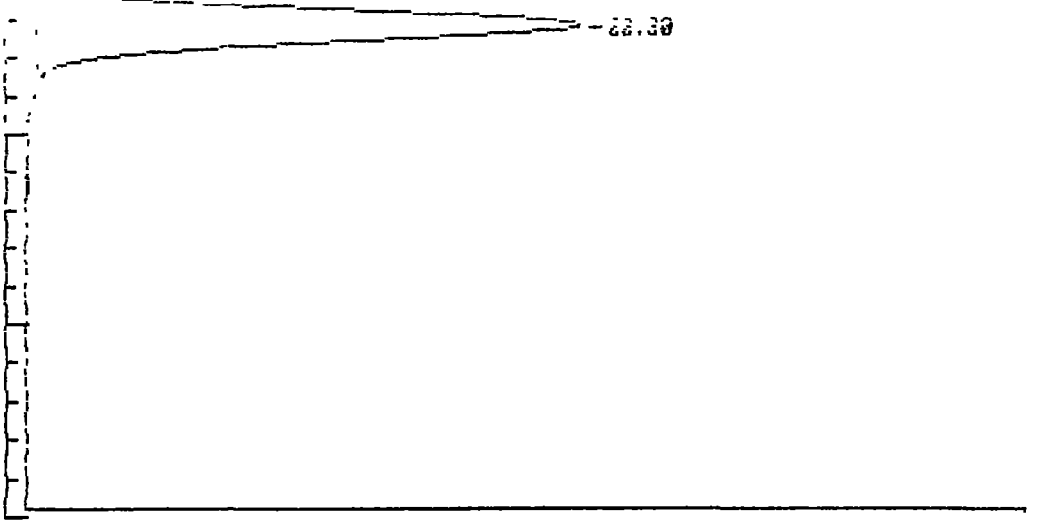
Total Area: 2079679 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:BB12631.PTS Printed on 05-08-1988 at 12:31:03
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv
Full Range: 19 millivolts



Endrin: $\frac{\overset{0}{\cancel{2.0}}}{73.0}(100) = 0$

DDT: $\frac{2.0}{72.0}(100) = 2.8\%$


22.30

02580

* Sample Name: EVALUATION MIX
* Date: 05-07-1988 11:23:42 Method: M:AGFI
* Interface: 10 Cycle#: 47 Operator SS Channel#: 0 Vials: n.a.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250 1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

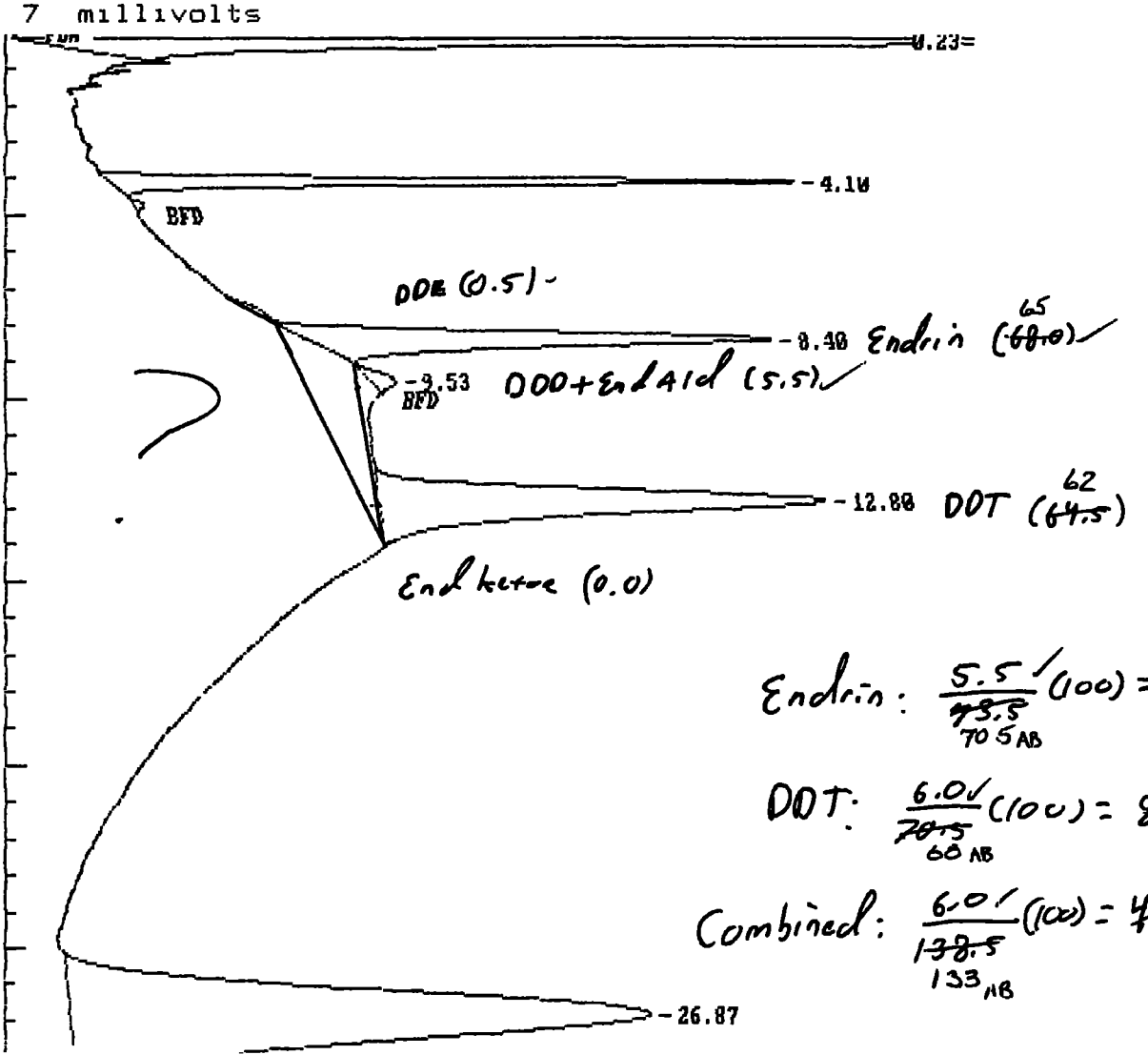
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	501539	41.3605	1	104734	100.000	4.8
5	4.10	66253	5.4637	1	4946	13.210	13.4
7	8.40	90923	7.4982	1	3351	18.129	27.1
8	9.53	4557	0.3758	1	170	0.909	26.7
9	12.80	151852	12.5228	1	3258	30.277	46.6
10	26.87	397482	32.7792	1	4209	79.252	94.4

SS
5/9/88

Total Area: 1212605 Area Reject: 1000 One sample per 1.000 sec.

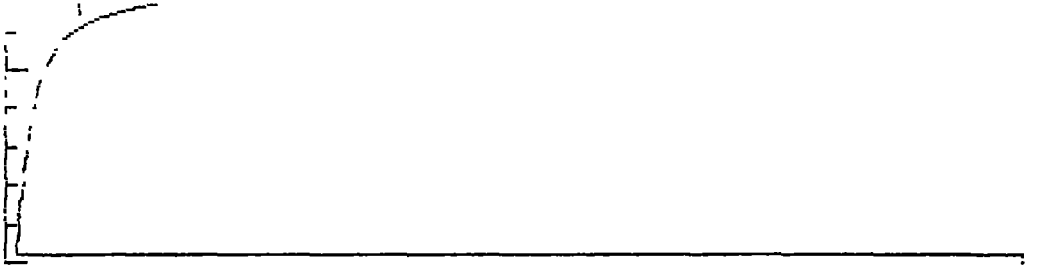
Data File = J:AB12643.PTS Printed on 05-08-1988 at 12:11:29
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts



Endrin: $\frac{5.5}{\cancel{73.5}\ 70.5_{AB}}(100) = \cancel{7.5}\ 7.8_{AB}$

DDT: $\frac{6.0}{\cancel{70.5}\ 68_{AB}}(100) = \cancel{8.5}\ 8.8_{AB}$

Combined: $\frac{6.0}{\cancel{138.5}\ 133_{AB}}(100) = \cancel{4.3}\ 4.5_{AB}$



* Sample Name: EVALUATION [illegible] B Data File: [illegible]
* Date: 05-07-1988 10:53:11 Method: M:BBPI
* Interface: 12 Cycle#: 43 Operator SS Channel#: 0 Vial#: N.A. **02582**
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

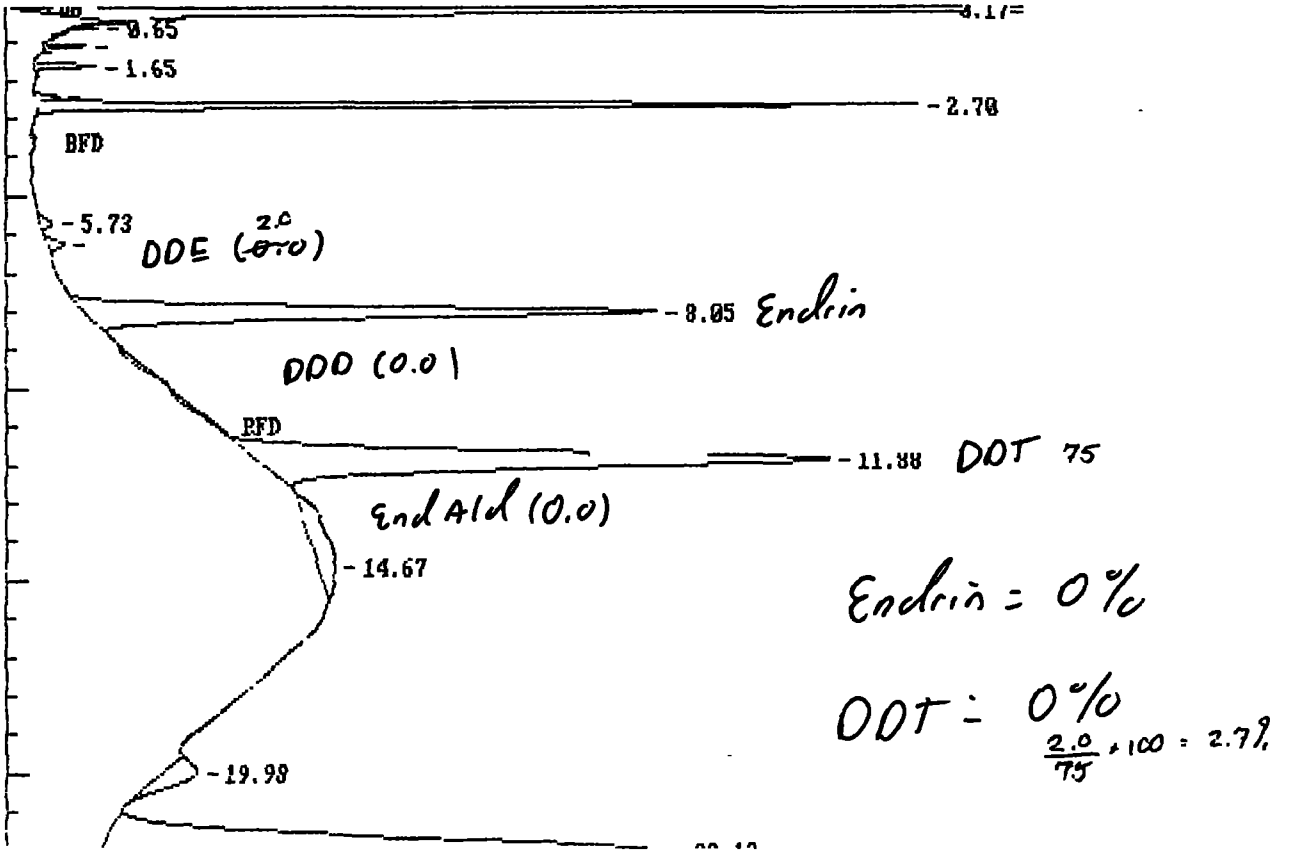
Starting Delay: 0.00 Run Time: 35.00

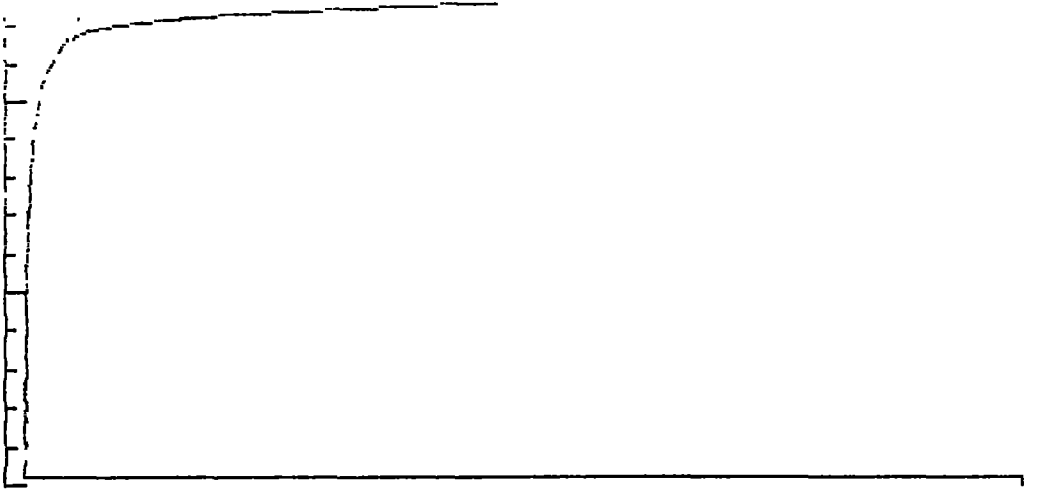
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	811473	37.5648	1	205791	100.000	3.9
2	0.65	2131	0.0986	1	495	0.263	4.3
4	1.12	3372	0.1561	1	775	0.416	4.3
6	1.65	7146	0.3308	1	1131	0.881	6.3
8	2.47	2156	0.0998	1	340	0.266	6.3
9	2.70	118361	5.5023	1	16467	14.647	7.2
11	5.73	2988	0.1383	1	213	0.368	14.0
12	6.28	4358	0.2017	1	290	0.537	15.0
13	8.05	213563	9.8862	1	10685	26.318	20.0
14	11.88	306880	14.2060	1	10727	37.817	28.6
15	14.67	43530	2.0151	1	326	5.364	133.4
16	19.98	28937	1.3395	1	632	3.566	45.8
17	22.12	614809	28.4606	1	10668	75.764	57.6

SS
5/9/88

Total Area: 2160208 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:BB12643.PTS Printed on 05-08-1988 at 12:47:43
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts





EVALUATION MIXES

Evaluation Mix A	Concentration ug/ml	Nanograms Col. A - 2 ul	Injected Col. B - 4 ul
Aldrin	0.003	0.006	0.012
Endrin	0.006	0.012	0.024
pp'-DDT	0.010	0.020	0.040
DBC	0.020	0.040	0.08
Evaluation Mix B			
Aldrin	0.0075	0.015	0.030
Endrin	0.015	0.030	0.060
pp'-DDT	0.025	0.050	0.10
DBC	0.050	0.10	0.20
Evaluation Mix C			
Aldrin	0.015	0.030	0.060
Endrin	0.030	0.060	0.12
pp'-DDT	0.050	0.10	0.20
DBC	0.10	0.20	0.40

********** AREA PERCENT REPORT **********

02585

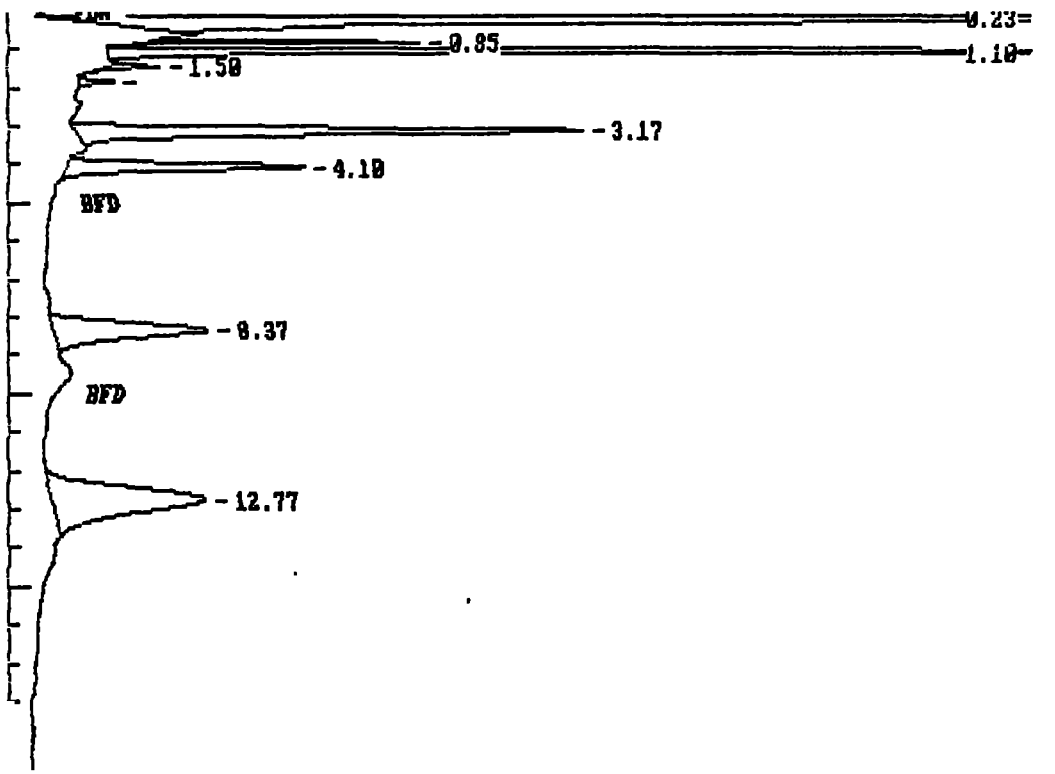
```
********** 05-12-1988 08:30:05 Version 4.1 **********
* Sample Name: EVALUATION MIX A                Data File: J:AB1331
* Date: 05-12-1988 08:29:50 Method: M:ABPI
* Interface: 10  Cycle#:  1    Operator SS  Channel#: 0    Vial#: N.A.
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100
*****************************************************************
* Instrument Type: HP 5880A              Column Type: 6FT X 2MM ID GLASS
*          Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
*          Detector 0: ECD                Detector 1:
* Misc. Information: 4 UL INJECTION                LPT1:
*****************************************************************
Starting Delay:   0.00                    Run Time:    0.00
```

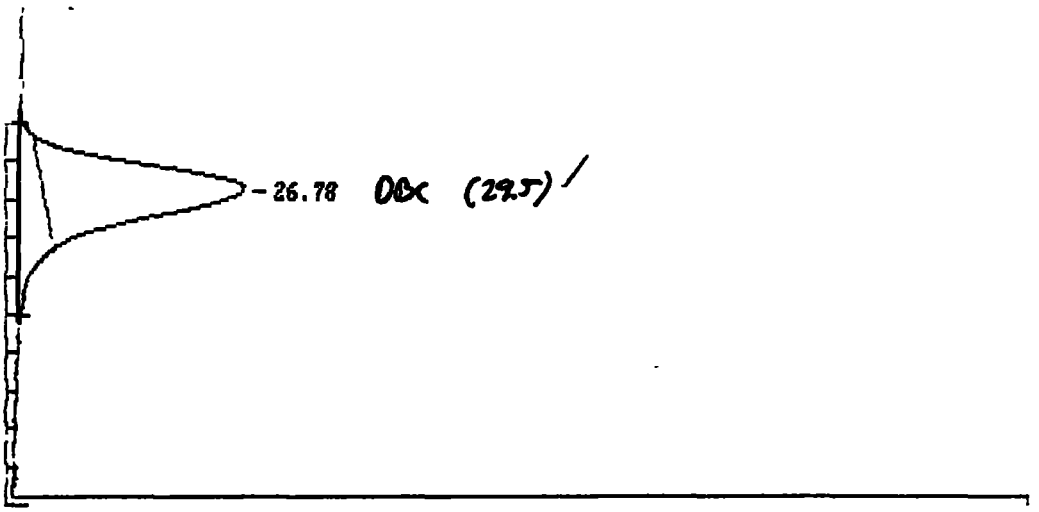
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	436028	55.1638	1	104567	100.000	4.2
2	0.85	7232	0.9149	1	1916	1.658	3.8
3	1.10	85902	10.8678	1	18551	19.701	4.6
4	1.50	2375	0.3005	1	396	0.545	6.0
5	1.88	1552	0.1964	1	239	0.356	6.5
6	3.17	43185	5.4635	1	3469	9.904	12.4
7	4.10	21563	2.7280	1	1623	4.945	13.3
8	8.37	28100	3.5551	1	1053	6.445	26.7
9	12.77	45867	5.8028	1	1042	10.519	44.0
10	26.78	118622	15.0073	1	1373	27.205	86.4

SS
5/19/86

```
Total Area:     790424   Area Reject:     1000  One sample per   1.000 sec.

Areas, times, and heights stored in: J:AB1331.ATB
Data File = J:AB1331.PTS  Printed on 05-12-1988 at 08:30:34
Start time:    0.00 min.  Stop time:   35.00 min.     Offset:   0 mv.
Full Range:  7  millivolts
```




-26.78 OBC (29.5)

********* AREA PERCENT REPORT *********

02587

********** 05-12-1988 08:27:11 Version 4.1 **********

* Sample Name: EVALUATION MIX A Data File: J:BB1331 *
* Date: 05-12-1988 08:26:56 Method: M:BBPI *
* Interface: 12 Cycle#: 1 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEG ISOTHERMAL *
* Detector 0: Detector 1: ECD *
* Misc. Information: 4 UL INJ *

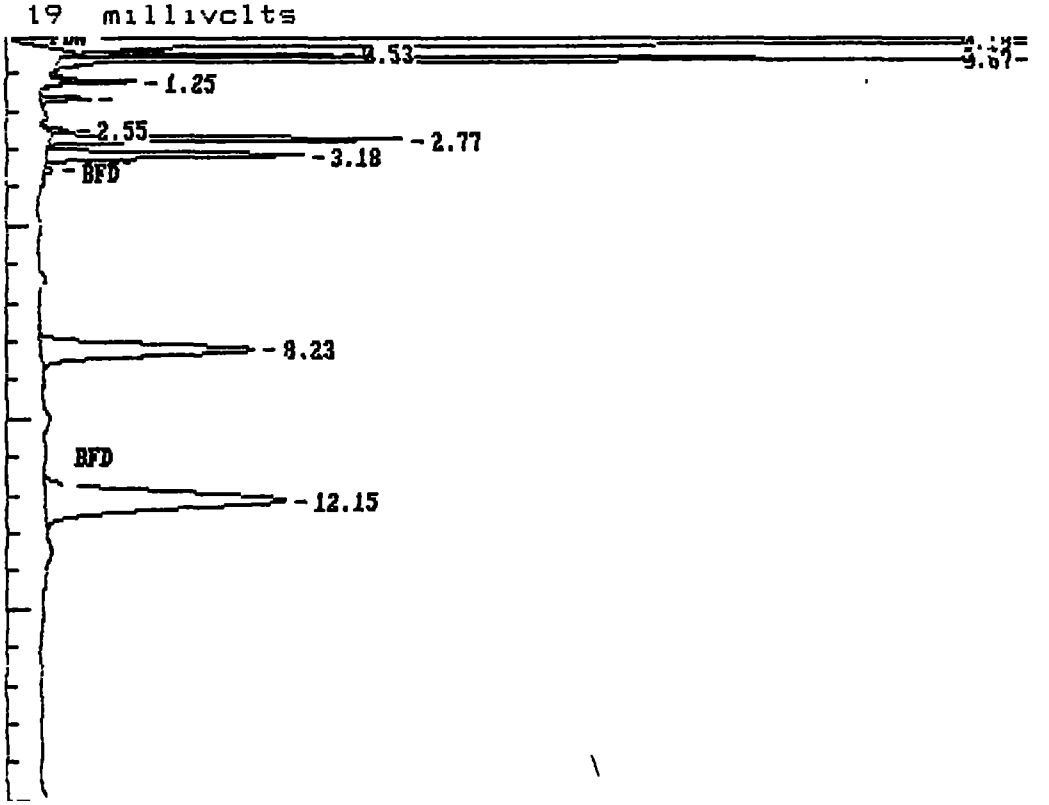
Starting Delay: 0.00 Run Time: 0.00

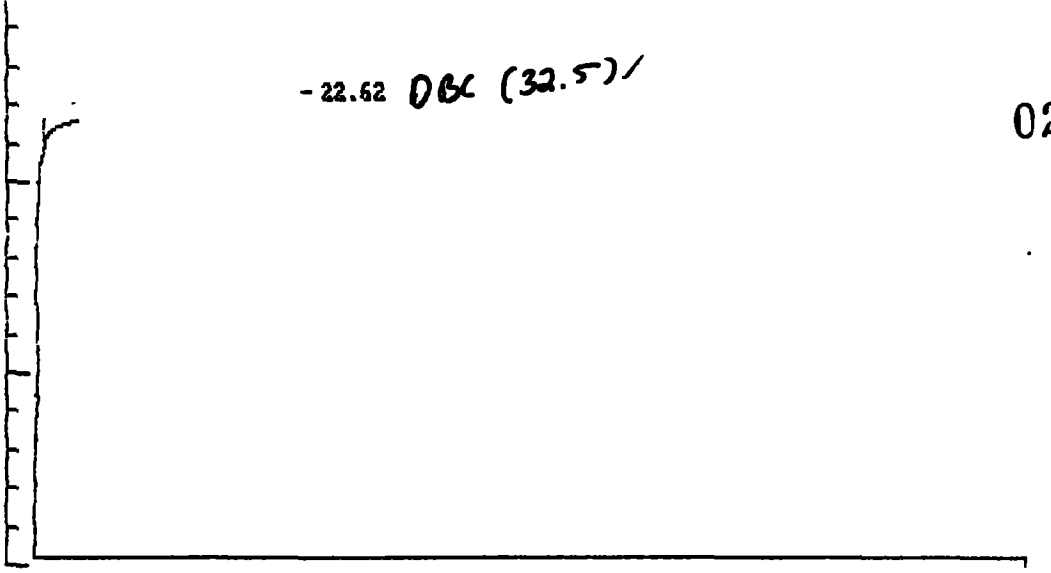
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	829446	51.8368	1	189588	100.000	4.4
2	0.53	13343	0.8339	1	4853	1.609	2.7
3	0.67	157707	9.8560	1	52028	19.014	3.0
5	1.25	6405	0.4003	1	1362	0.772	4.7
6	1.70	6227	0.3892	1	930	0.751	6.7
7	2.55	2254	0.1408	1	342	0.272	6.6
8	2.77	48509	3.0316	1	6544	5.848	7.4
9	3.18	43799	2.7372	1	4772	5.280	9.2
10	3.58	1219	0.0762	1	154	0.147	7.9
11	8.23	82702	5.1685	1	4003	9.971	20.7
12	12.15	136768	8.5474	1	4453	16.489	30.7
13	22.62	271731	16.9820	1	4617	32.760	58.9

SS
5/19/88

Total Area: 1600109 Area Reject: 1000 One sample per 1.000 sec

Areas, times, and heights stored in: J:BB1331.ATB
Data File = J:BB1331.PTS Printed on 05-12-1988 at 08:27:37
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




-22.62 DBC (32.5)

C2589

********** AREA PERCENT REPORT **********

********** 05-12-1988 09:09:08 Version 4.1 **********

* Sample Name: EVALUATION MIX B Data File: J:AB1332
* Date: 05-12-1988 09:08:53 Method: M:ABPI
* Interface: 10 Cycle#: 2 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

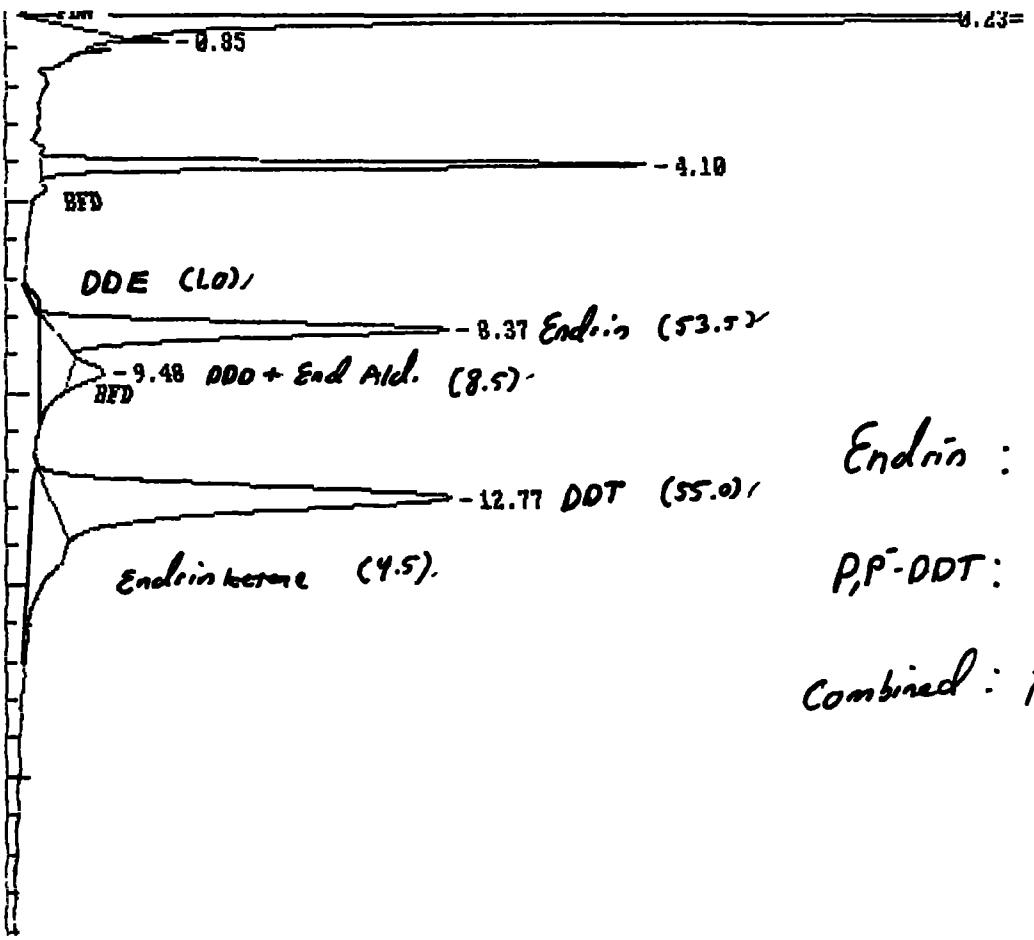
Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	464550	43.6218	1	104728	100.000	4.4
2	0.85	1158	0.1087	1	330	0.249	3.5
4	4.10	55703	5.2306	1	4166	11.991	13.4
5	8.37	72720	6.8285	1	2710	15.654	26.8
6	9.48	7447	0.6993	1	239	1.603	31.2
7	12.77	125176	11.7542	1	2761	26.946	45.3
8	26.78	338194	31.7569	1	3648	72.800	92.7

Total Area: 1064948 Area Reject: 1000 One sample per 1.000 sec.

SS 5/19/88

Areas, times, and heights stored in: J:AB1332.ATB
Data File = J:AB1332.PTS Printed on 05-12-1988 at 09:09:33
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts



Endrin : $\frac{13.0}{66.5}(100) = 20\%$

P,P'-DDT : $\frac{9.5}{64.5}(100) = 15\%$

Combined : $\frac{14.0}{122.5}(100) = 11\%$

C2590

02591

********** AREA PERCENT REPORT **********

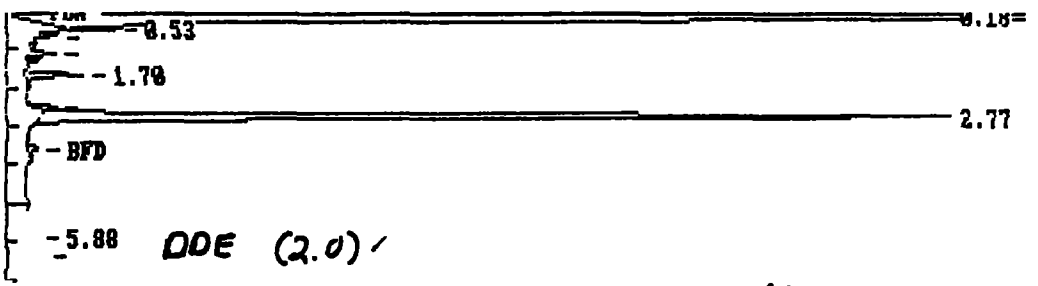
```
********** 05-12-1988 09:05:42 Version 4.1 **********
* Sample Name: EVALUATION MIX B              Data File: J:BB1332      *
* Date: 05-12-1988 09:05:27 Method: M:BBPI                            *
* Interface: 12  Cycle#:  2    Operator SS  Channel#: 3    Vial#: N.A.  *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100         *
*********************************************************************
* Instrument Type: HP 5880A            Column Type: 6FT X 2MM ID GLASS *
*          Solvent Description: 1.5% SP2250/1.95% SP2401              *
* Conditions: 190 DEG ISOTHERMAL                                      *
*          Detector 0:                  Detector 1: ECD               *
* Misc. Information: 4 UL INJ                                         *
*********************************************************************
Starting Delay:   0.00                    Run Time:    0.00
```

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.19	874085	37.2174	1	202088	100.000	4.3
2	0.53	3178	0.1353	1	1022	0.364	3.1
3	0.68	1325	0.0564	1	350	0.152	3.8
5	1.15	2349	0.1000	1	519	0.269	4.5
7	1.70	6929	0.2950	1	1067	0.793	6.5
9	2.55	1920	0.0818	1	325	0.220	5.9
10	2.77	127409	5.4249	1	17092	14.576	7.5
11	3.60	1606	0.0684	1	190	0.194	8.5
12	5.88	2479	0.1056	1	175	0.284	14.2
13	6.42	4252	0.1810	1	272	0.486	15.6
14	8.23	213821	9.1042	1	10444	24.462	20.5
15	10.10	6103	0.2599	1	265	0.698	27.0
16	12.17	358881	15.2807	1	11745	41.058	30.6
17	13.53	10886	0.4635	1	337	1.245	32.3
18	20.53	39641	1.6879	1	825	4.535	48.1
19	22.62	693730	29.5381	1	11750	79.366	59.0

SS 5/19/88

```
Total Area:    2348592   Area Reject:      1000  One sample per   1.000 sec.

Areas, times, and heights stored in: J:BB1332.ATB
Data File = J:BB1332.PTS  Printed on 05-12-1988 at 09:06:10
Start time:    0.00 min.  Stop time:   35.00 min.     Offset:    0 mv.
Full Range:  19  millivolts
```



DDE (2.0)

-8.23 Endin (73.0)

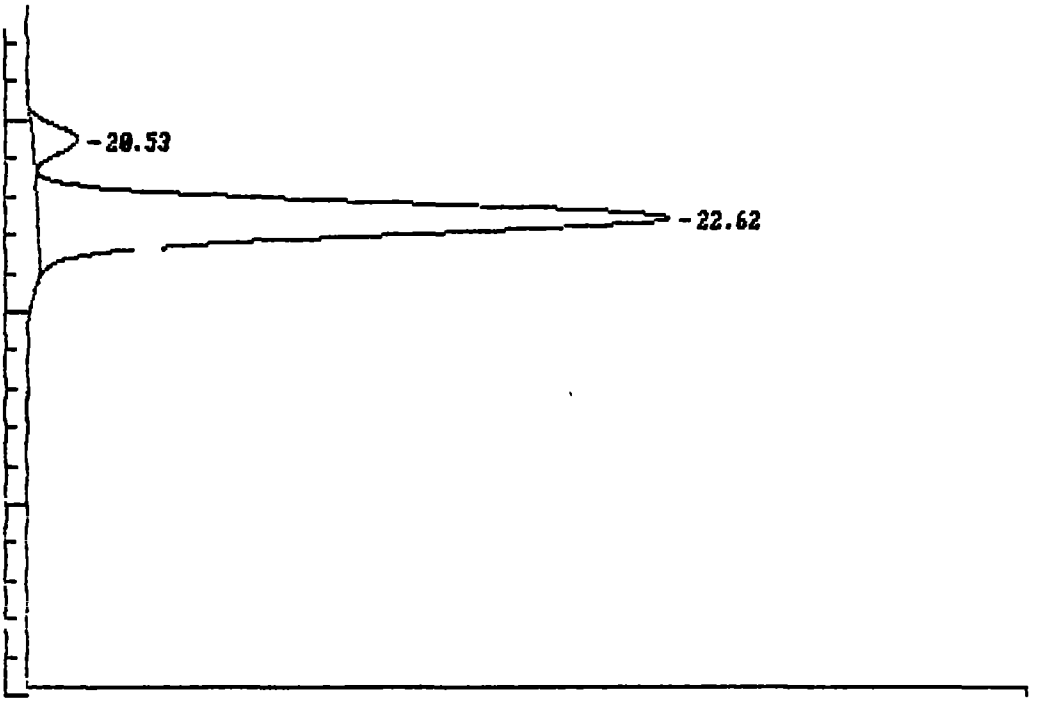
Endin: $\frac{2.5}{75.5}(100) = 3.$

-10.10 DDO (2.0)
BFD

-12.17 DDT (82.5)

-13.53 End Ald. (2.5)

DDT: $\frac{4.0}{86.5}(100) = 4.6$


-20.53
-22.62

********* AREA PERCENT REPORT ********* 02593

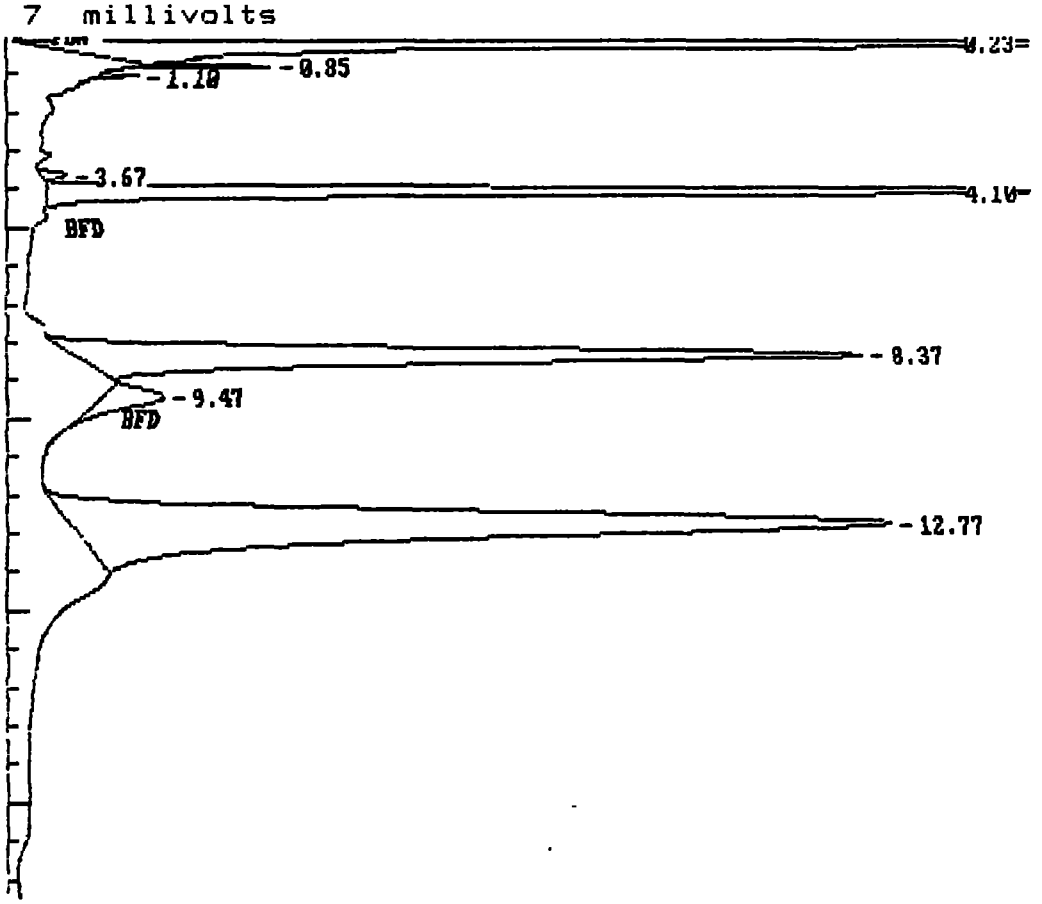
********** 05-12-1988 09:47:49 Version 4.1 **********
* Sample Name: EVALUATION MIX C Data File: J:AB1333 *
* Date: 05-12-1988 09:47:27 Method: M:ABPI *
* Interface: 10 Cycle#: 3 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector 0: ECD Detector 1: *
* Misc. Information: 4 UL INJECTION LPT1: * *
****
Starting Delay: 0.00 Run Time: 0.00

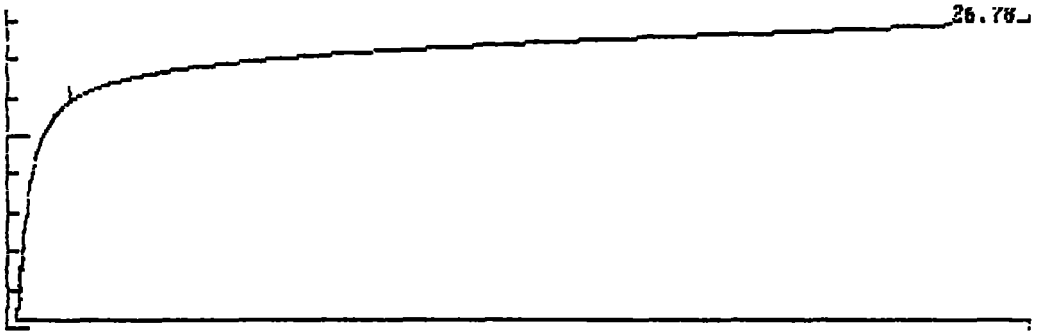
Pl No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	499861	28.7753	1	118976	71.465	4.2
2	0.85	3080	0.1773	1	910	0.440	3.4
3	1.10	1282	0.0738	1	294	0.183	4.4
4	3.67	1678	0.0966	1	161	0.240	10.4
5	4.10	114208	6.5746	1	8594	16.328	13.3
6	8.37	144728	8.3315	1	5400	20.692	26.8
7	9.47	14939	0.8600	1	429	2.136	34.8
8	12.77	257893	14.8460	1	5643	36.871	45.7
9	26.78	699448	40.2649	1	7306	100.000	95.7

SS
5/19/88

Total Area: 1737118 Area Reject: 1000 One sample per 1.000 sec.

Areas, times, and heights stored in: J:AB1333.ATB
Data File = J:AB1333.PTS Printed on 05-12-1988 at 09:48:32
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




26.78

********* AREA PERCENT REPORT *********

02595

********** 05-12-1988 09:43:54 Version 4.1 **********

* Sample Name: EVALUATION MIX C Data File: J:SB1333 *
* Date: 05-12-1989 09:43:38 Method: M:BBPI *
* Interface: 12 Cycle#: 3 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEG ISOTHERMAL *
* Detector 0: Detector 1: ECD *
* Misc. Information: 4 UL INJ *

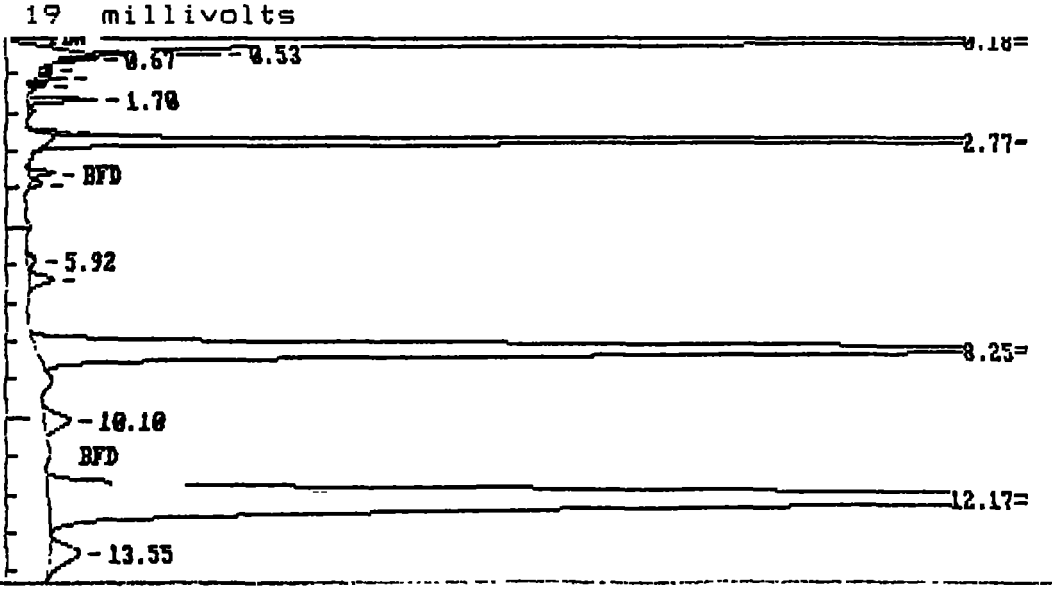
Starting Delay: 0.00 Run Time: 0.00

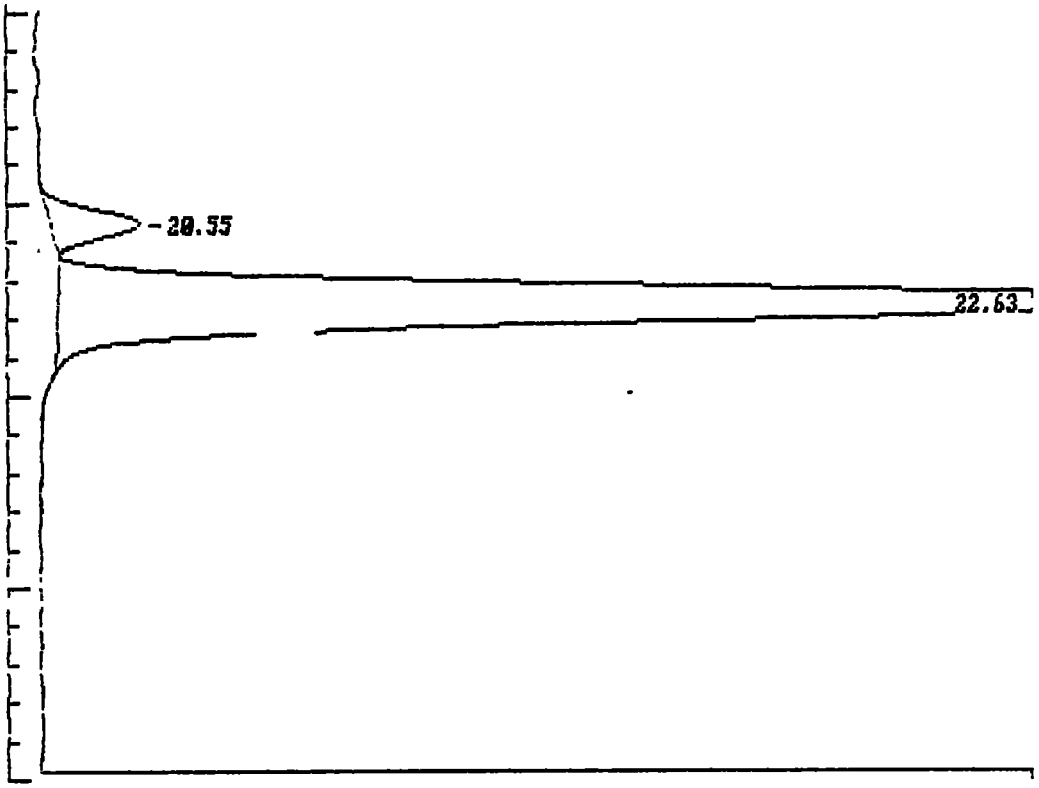
Sl No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	981020	25.1617	1	228158	71.442	4.3
2	0.53	7566	0.1940	1	2569	0.551	2.9
3	0.67	3411	0.0875	1	723	0.248	4.7
4	0.92	1587	0.0407	1	213	0.116	7.4
5	1.15	2489	0.0638	1	584	0.181	4.3
6	1.33	1079	0.0277	1	263	0.079	4.1
7	1.70	8339	0.2139	1	1283	0.607	6.5
9	2.55	1831	0.0470	1	352	0.133	5.2
10	2.77	258858	6.6393	1	34772	18.851	7.4
11	3.60	3739	0.0959	1	445	0.272	8.4
12	3.88	2336	0.0599	1	223	0.170	10.5
13	5.92	2431	0.0623	1	153	0.177	15.9
14	6.42	6696	0.1717	1	437	0.488	15.3
15	8.25	420511	10.7855	1	20812	30.624	20.2
16	10.10	11499	0.2949	1	473	0.837	24.3
17	12.17	715718	18.3571	1	23533	52.122	30.4
18	13.55	17737	0.4549	1	526	1.292	33.7
19	20.55	78848	2.0223	1	1618	5.742	48.7
20	22.63	1373164	35.2197	1	23282	100.000	59.0

SS
5/19/88

Total Area: ... 3898856 Area Reject: 1000 One sample per 1.000 sec.

Areas, times, and heights stored in: J:BB1333.ATB
Data File = J:BB1333.PTS Printed on 05-12-1988 at 09:44:25
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 m.
Full Range: 19 millivolts




-20.55
22.63

********** AREA PERCENT REPORT **********

02597

********** 05-13-1988 08:16:44 Version 4.1 **********

* Sample Name: EVALUATION MIX B Data File: J:AB13319
* Date: 05-13-1988 08:16:22 Method: M:ABPI
* Interface: 10 Cycle#: 19 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5890A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

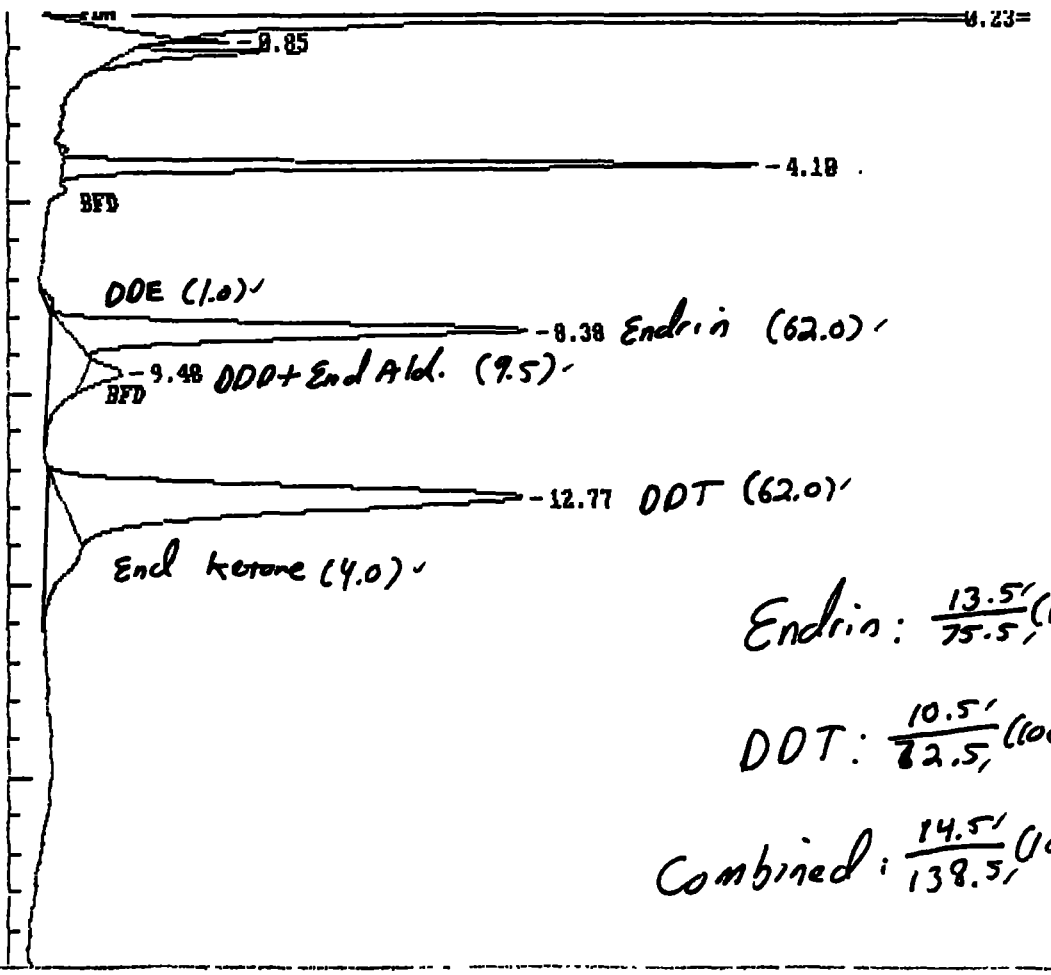
Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	459134	39.2934	1	100708	100.000	4.6
2	0.85	1850	0.1583	1	414	0.403	4.5
3	1.13	13345	1.1421	1	1013	2.907	13.2
5	4.10	63730	5.4541	1	4772	13.880	13.4
6	8.38	84287	7.2134	1	3125	18.358	27.0
7	9.48	7980	0.6830	1	256	1.738	31.2
8	12.77	144109	12.3331	1	3146	31.387	45.8
9	26.82	394042	33.7227	1	4195	85.827	93.9

Total Area: 1168478 Area Reject: 1000 One sample per 1.[illegible] sec

SS 5/14/88

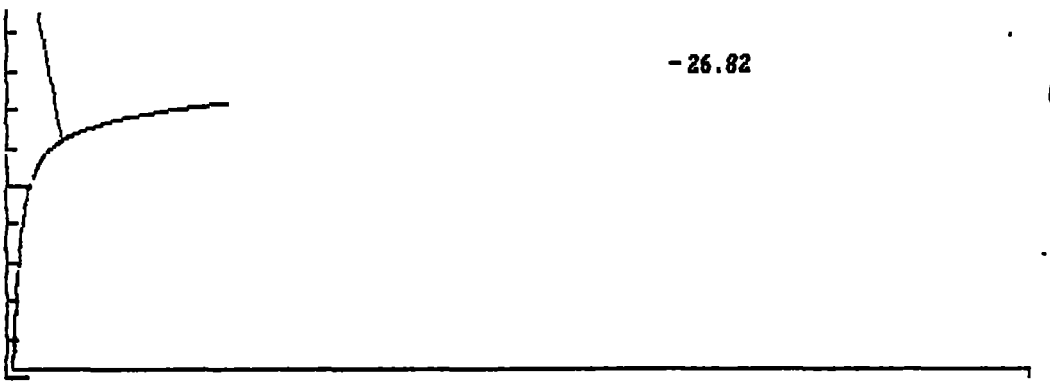
Areas, times, and heights stored in: J:AB13319.ATB
Data File = J:AB13319.PTS Printed on 05-13-1988 at 08:17:12
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts



Endrin: $\frac{13.5}{75.5}(100) = 18\%$

DDT: $\frac{10.5}{82.5}(100) = 14\%$

Combined: $\frac{14.5}{138.5}(100) = 10\%$



02598

********* AREA PERCENT REPORT *********

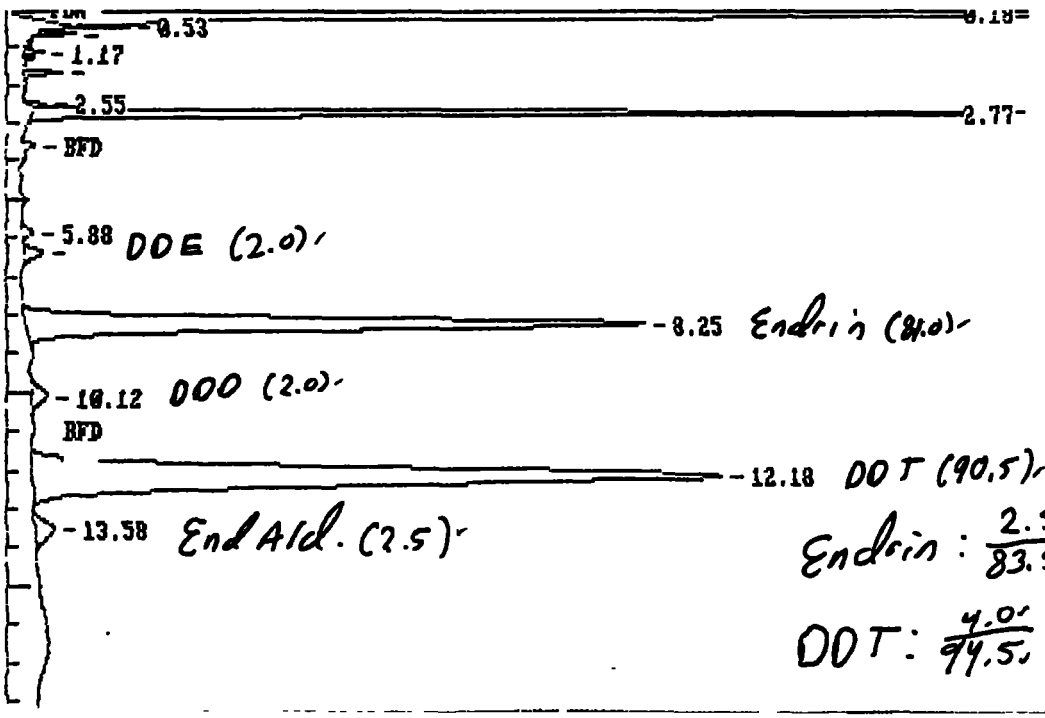
********** 05-13-1988 07:17:16 Version 4.1 **********
* Sample Name: EVALUATION MIX B Data File: J:BB13319 *
* Date: 05-13-1988 07:17:00 Method: M:BBPI 02599
* Interface: 12 Cycle#: 19 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEG ISOTHERMAL *
* Detector 0: Detector 1: ECD *
* Misc. Information: 4 UL INJ *
Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	847609	34.4889	1	191757	100.000	4.4
2	0.53	3624	0.1475	1	1181	0.428	3.1
3	0.68	2759	0.1123	1	727	0.326	3.8
4	1.17	1543	0.0628	1	345	0.182	4.5
6	1.70	4872	0.1982	1	728	0.575	6.7
7	2.55	1512	0.0615	1	267	0.178	5.7
8	2.77	140900	5.7332	1	18562	16.627	7.6
9	3.62	1817	0.0739	1	210	0.214	8.7
10	5.88	2771	0.1128	1	197	0.327	14.1
11	6.42	5381	0.2190	1	343	0.635	15.7
12	8.25	235658	9.5889	1	11529	27.803	20.4
13	10.12	7278	0.2961	1	299	0.859	24.4
14	12.18	393674	16.0185	1	12877	46.445	30.6
15	13.58	9655	0.3929	1	315	1.139	30.7
16	20.57	43408	1.7663	1	906	5.121	47.9
17	22.65	755166	30.7275	1	12770	89.094	59.1

Total Area: 2457625 Area Reject: 1000 One sample per 1.000 sec.

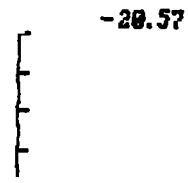
SS 5/19/88

Areas, times, and heights stored in: J:BB13319.ATB
Data File = J:BB13319.PTS Printed on 05-13-1988 at 07:17:46
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts



Endrin: $\frac{2.5}{83.5}(100) = 3.0\%$

DDT: $\frac{4.0}{94.5}(100) = 4.2\%$



02600

********** AREA PERCENT REPORT **********

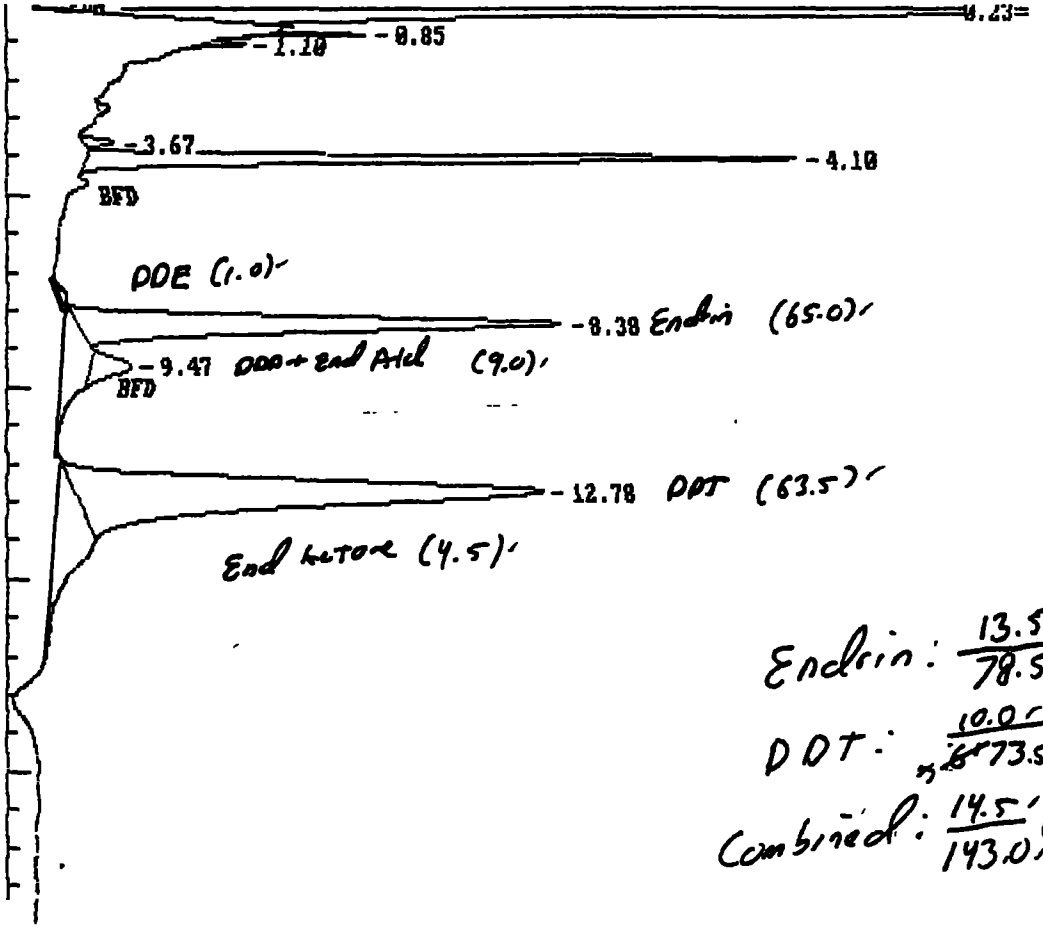
********** 05-13-1988 08:40:16 Version 4.1 **********
* Sample Name: EVALUATION MIX B Data File: J:AB13331 *
* Date: 05-13-1988 08:40:01 Method: M:ABPI 02601
* Interface: 10 Cycle#: 31 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector 0: ECD Detector 1: *
* Misc. Information: 4 UL INJECTION LPT1: * *
****
Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	464472	35.7946	1	101355	89.790	4.6
2	0.85	2519	0.1941	1	710	0.487	3.5
3	1.10	1942	0.1497	1	291	0.375	6.7
5	3.67	2139	0.1648	1	199	0.413	10.7
6	4.10	64983	5.0079	1	4890	12.562	13.3
7	8.38	88387	6.8116	1	3318	17.087	26.6
8	9.47	9089	0.7004	1	280	1.757	32.4
9	12.78	146787	11.3122	1	3212	28.376	45.7
10	26.85	517287	39.8648	1	4464	100.000	115.9

SS 5/19/88

Total Area: 1297604 Area Reject: 1000 One sample per 1.000 sec.

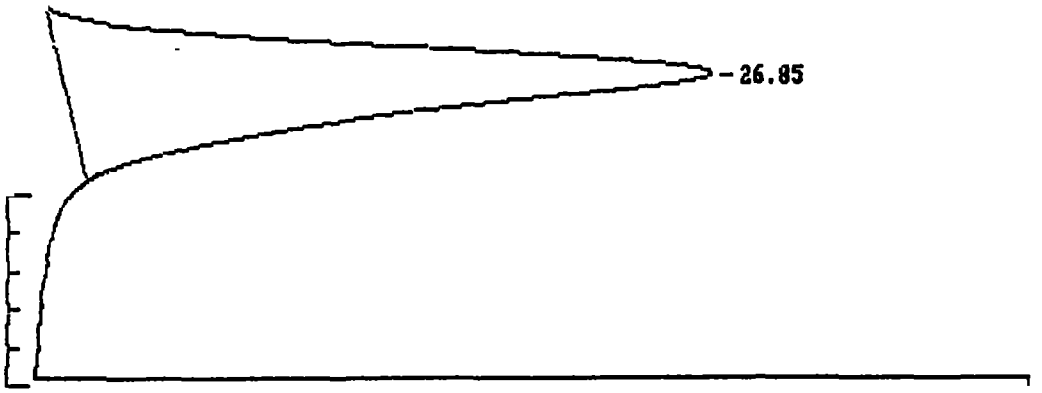
Areas, times, and heights stored in: J:AB13331.ATB
Data File = J:AB13331.PTS Printed on 05-13-1988 at 08:40:42
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts



Endrin: $\frac{13.5}{78.5}(100) = 17\%$

DDT: $\frac{10.0}{73.5}(100) = 14\%$

Combined: $\frac{14.5}{143.0}(100) = 10\%$


-26.85

********** AREA PERCENT REPORT **********

02603

********** 05-13-1988 07:52:06 Version 4.1 **********
* Sample Name: EVALUATION MIX B Data File: J:BB13331
* Date: 05-13-1988 07:51:50 Method: M:BBPI
* Interface: 12 Cycle#: 31 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

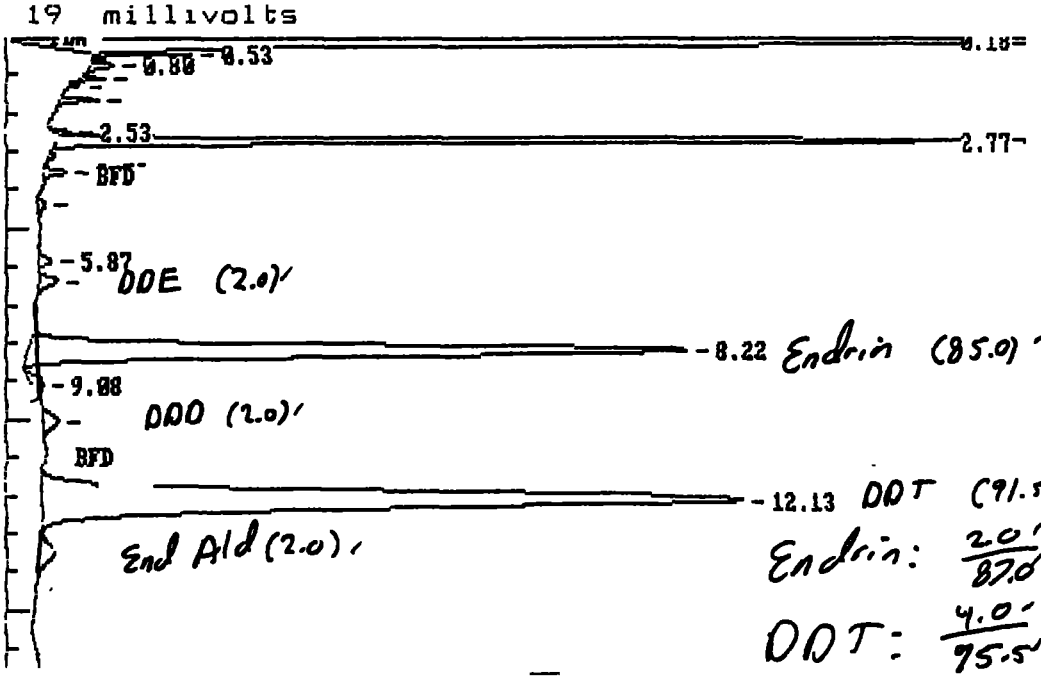
Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	840566	35.0853	1	182778	100.000	4.6
2	0.53	5181	0.2163	1	1741	0.616	3.0
3	0.80	3940	0.1645	1	431	0.469	9.1
4	1.15	2316	0.0966	1	519	0.275	4.5
5	1.33	1294	0.0540	1	231	0.154	5.6
6	1.70	4948	0.2065	1	738	0.589	6.7
7	2.53	1381	0.0576	1	257	0.164	5.4
8	2.77	143594	5.9936	1	19178	17.083	7.5
10	3.58	3757	0.1568	1	419	0.447	9.0
11	4.42	1853	0.0773	1	117	0.220	15.8
12	5.87	3635	0.1517	1	258	0.432	14.1
13	6.40	5281	0.2204	1	336	0.628	15.7
14	8.22	249971	10.4338	1	12313	29.738	20.3
15	9.08	4701	0.1962	1	199	0.559	23.7
16	10.08	6896	0.2878	1	288	0.820	23.9
17	12.13	399978	16.6951	1	13089	47.564	30.6
18	20.50	45396	1.8948	1	933	5.401	48.7
19	22.57	671093	28.0115	1	12138	79.838	55.3

Total Area: 2395778 Area Reject: 1000 One sample per 1.000 sec.

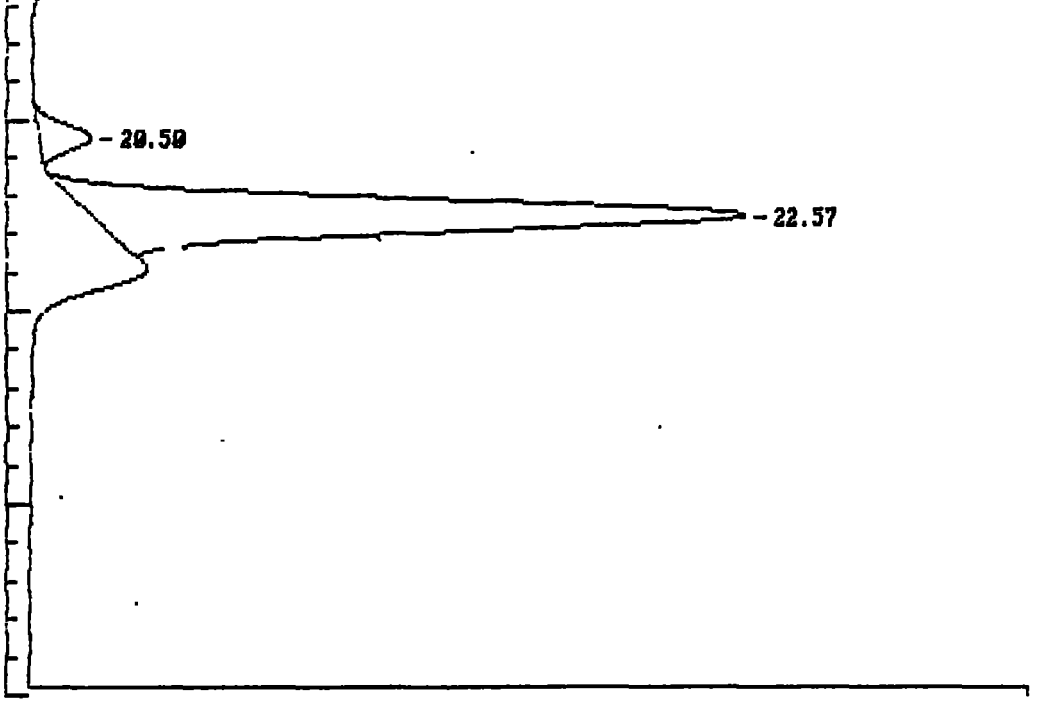
SS
5/19/88

Areas, times, and heights stored in: J:BB13331.ATB
Data File = J:BB13331.PTS Printed on 05-13-1988 at 07:52:35
Start time: 0.00 min. Stop time: 35.00 min. Offset: 3 mv.
Full Range: 19 millivolts



Endrin: $\frac{20'}{87.0}(100) = 2.3\%$

DDT: $\frac{4.0'}{95.5}(100) = 4.2\%$



02604

PESTICIDE INDIVIDUAL STANDARDS

INDIVIDUAL MIX A

Component	Concentration ug/ml	Nanograms Col. A - 2 ul	Injected Col. B - 4 ul
Lindane (gamma-BHC)	0.0035	0.0070	0.014
Heptachlor	0.0075	0.015	0.030
Aldrin	0.0075	0.015	0.030
Heptachlor Epoxide	0.010	0.020	0.040
Endosulfan A	0.015	0.030	0.060
Dieldrin	0.0075	0.015	0.030
pp'-DDT	0.025	0.050	0.10
Endrin Aldehyde	0.030	0.060	0.12
Endosulfan B	0.025	0.050	0.10
Methoxychlor	0.050	0.10	0.20
Dibutylchlorendate	0.050	0.10	0.20

INDIVIDUAL MIX B

Component	Concentration ug/ml	Nanograms Col. A - 2 ul	Injected Col. B - 4 ul
alpha-BHC	0.0035	0.0070	0.014
beta-BHC	0.0075	0.015	0.030
delta-BHC	0.0075	0.015	0.030
Aldrin	0.0075	0.015	0.030
pp'-DDE	0.0075	0.015	0.030
Endrin	0.015	0.030	0.060
pp'-DDD	0.025	0.050	0.10
Endosulfan Sulfate	0.038	0.076	0.15
Endrin Ketone	0.020	0.040	0.080
Dibutylchlorendate	0.050	0.10	0.20

[illegible]	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
002	LINDANE	1.967	1.967	5	26621	.0075	ug/ml
005	HEPTACHLOR	3.267	3.267	7	77756	.0075	ug/ml
006	ALDRIN	4.100	4.100	8	55557	.0075	ug/ml
007	HEPTACHLOR EPOXIDE	5.067	5.067	9	82171	.0100	ug/ml
010	ENDOSULFAN-A	6.367	6.367	10	94590	.0150	ug/ml
012	DIELDRIN	7.483	7.483	11	50249	.0075	ug/ml
015	ENDOSULFAN-B	8.600	8.600	12	111849	.0250	ug/ml
016	ENDRIN ALDEHYDE	9.550	9.550	13	145877	.0100	ug/ml
018	p,p'-DDT	12.767	12.767	14	116965	.0250	ug/ml
019	METHOXYCHLOR	19.500	19.500	15	152021	.0500	ug/ml
047	DBC (surrogate)	26.833	26.833	16	289161	.0500	ug/ml

02607

* = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02608

LIST ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
002	LINDANE	1.800	1.800	6	45744	.0075	ug/ml
005	HEPTACHLOR	2.233	2.233	7	112037	.0075	ug/ml
006	ALDRIN	2.717	2.717	9	97905	.0075	ug/ml
007	HEPTACHLOR EPOXIDE	4.250	4.250	11	137640	.0100	ug/ml
010	ENDOSULFAN-A	5.400	5.400	12	159715	.0150	ug/ml
012	DIELDRIN	6.650	6.650	13	101566	.0075	ug/ml
015	ENDOSULFAN-B	9.950	9.950	14	262907	.0250	ug/ml
016	ENDRIN ALDEHYDE	13.300	13.300	16	303150	.0300	ug/ml
018	p,p'-DDT	12.000	12.000	15	241037	.0250	ug/ml
019	METHOXYCHLOR	23.600	23.600	19	142133	.0500	ug/ml
047	DBC (surrogate)	22.383	22.383	18	271977	.0500	ug/ml

* - CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02609

* Sample Name: INDIVIDUAL MIX A Data File: [illegible]
* Date: 05-06-1992 10:15:12 Method: M:ASPI
* Interface: 19 Cycle#: 4 Operator SS Channel#: [illegible]
* Starting Peak Width: 10 Threshold: 1 Area Threshold: [illegible]
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

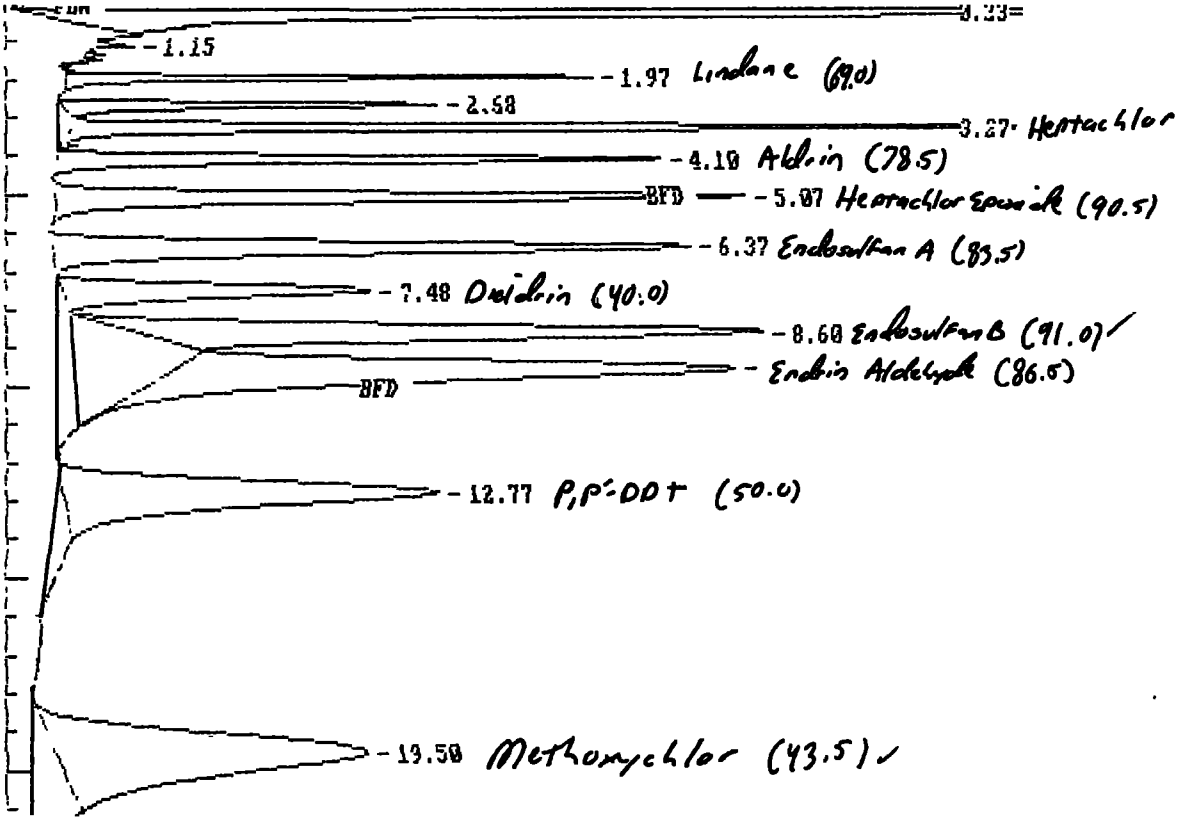
Starting Dela,: 0.00 Run Time: 35.00

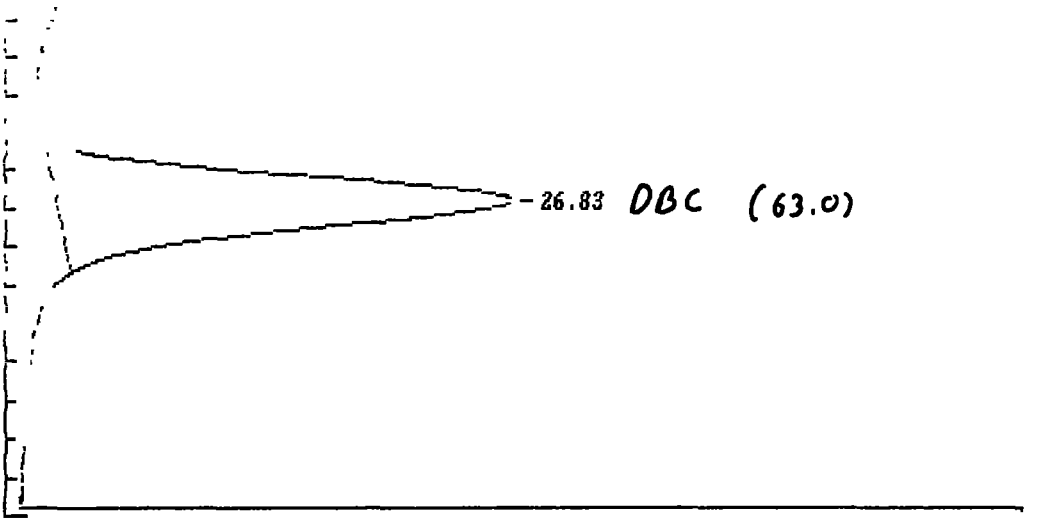
Pk No.	Ret Time	Peak Area	Area %	V L	Peak Ht.	Normalized %	Area/ Height
1	0.23	602410	32.9568	1	153780	100.000	3.9
2	1.15	1394	0.0767	1	280	0.231	5.0
3	1.97	26621	1.4564	1	3619	4.419	7.4
4	2.58	25194	1.3783	1	2558	4.182	9.9
5	3.27	73756	4.0351	1	6534	12.243	11.3
6	4.10	55553	3.0392	1	4152	9.222	13.4
7	5.07	82174	4.4956	1	4749	13.641	17.3
8	6.37	94698	5.1807	1	4387	15.720	21.6
9	7.48	50249	2.7490	1	2093	8.341	24.0
10	8.60	111849	6.1191	1	4275	18.567	26.1
11	9.55	145833	7.9781	1	5387	24.206	27.5
12	12.77	116965	6.3990	1	2577	19.416	45.4
13	19.50	152021	8.3163	1	2124	25.235	71.6
14	26.97	289161	15.8195	1	3133	48.001	92.3

SS
5/9/88

Total Area: 1827878 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB12e4.PTS Printed on 05-08-1992 at 11:53:15
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv
Full Range: 7 millivolts




26.83 DBC (63.0)

02611

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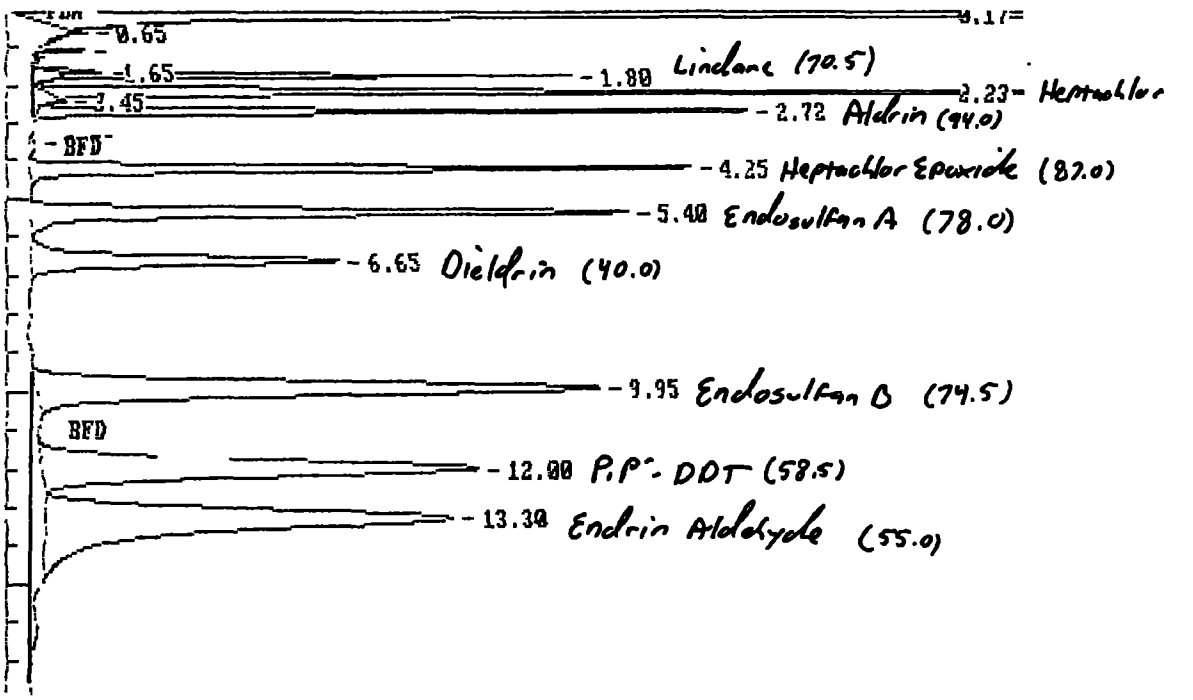
********************** 05-08-1988 [illegible] Version 4.1 ***********************
* Sample Name: INDIVIDUAL MIX A                    Data File: J:BB1264            *
* Date: 05-06-1988 [illegible]:11:47 Method: M:BBFT                               *
* Interface: 12  Cycle#:  4    Operator SS  Channel#: 0    Vial#: N.A.            *
* Starting Peak Width:  [illegible]  Threshold: 1  Area Threshold: 100            *
*********************************************************************************
* Instrument Type: HP 5880A                  Column Type: 6FT X 2MM ID GLASS      *
*          Solvent Description: 1.5% SP2250/1.95% SP2401                         *
* Conditions: 190 DEG ISOTHERMAL                                                 *
*          Detector 0:                        Detector 1: ECD                    *
* Misc. Information: 4 UL INJ                                                    *
*********************************************************************************
Starting Delay:   0.00                          Run Time:   35.00
```

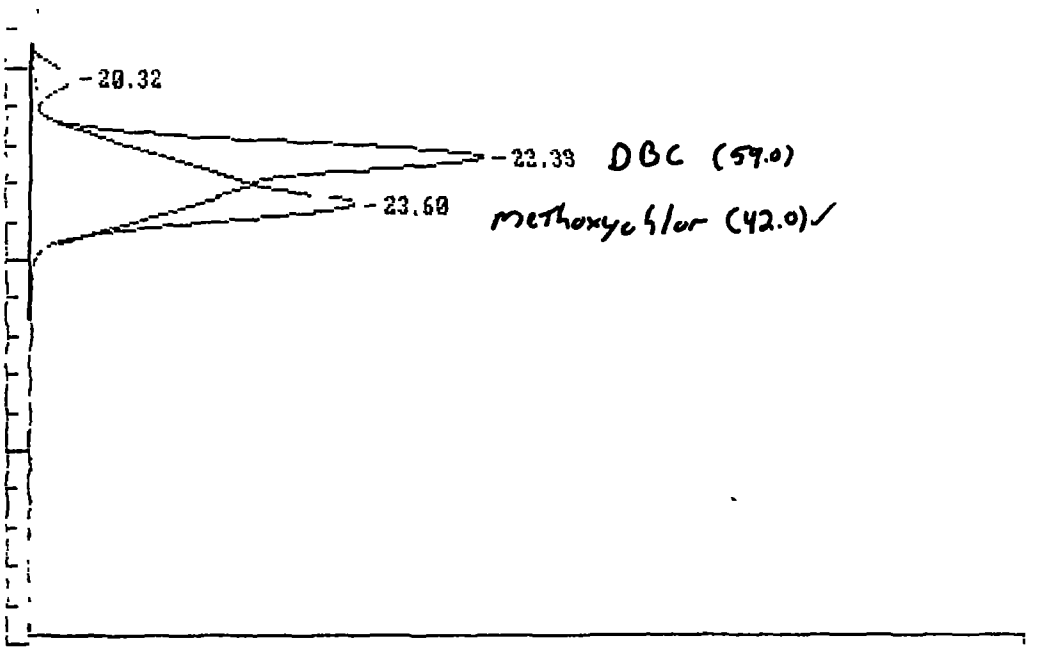
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	984910	33.5030	1	269264	100.000	3.7
2	0.65	1848	0.0629	1	369	0.183	5.0
3	1.12	3739	0.1272	1	889	0.380	4.2
5	1.65	3116	0.1060	1	701	0.316	4.4
6	1.80	45744	1.5560	1	9618	4.644	4.3
7	2.23	149037	5.0697	1	18477	15.132	8.1
8	2.45	1203	0.0409	1	210	0.122	5.7
9	2.72	97886	3.3297	1	13311	9.939	7.4
10	3.58	1762	0.0599	1	94	0.179	18.7
11	4.25	137640	4.6820	1	12365	13.975	11.1
12	5.40	159716	5.4329	1	11166	16.216	14.3
13	6.65	101566	3.4549	1	5734	10.312	17.7
14	9.95	262983	8.9457	1	10523	26.701	25.0
15	12.00	241037	8.1992	1	8137	24.473	29.6
16	13.30	303158	10.3123	1	7601	30.780	39.9
17	20.32	29314	0.9972	1	618	2.976	47.4
18	22.38	272977	9.2857	1	5774	27.716	47.3
19	23.60	142133	4.8348	1	3148	14.431	45.2

SS
5/9/88

Total Area: 2939766 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:BB1264.PTS Printed on 05-08-1988 at 11:58:[illegible]
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 10 millivolts




20.32
22.38
DBC (59.0)
23.60
methoxychlor (42.0)✓

02613

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	[illegible] NUMBER	[illegible]	[illegible]	[illegible]
001	alpha-BHC	1.650	1.650	5	[illegible]	[illegible]	ug/ml
003	beta-BHC	1.900	[illegible]	[illegible]	[illegible]	[illegible]	ug/ml
004	delta-BHC	2.050	2.050	7	[illegible]	.0075	ug/ml
006	ALDRIN	4.100	4.100	10	[illegible]	[illegible]	[illegible]
011	p,p'-DDE	7.583	7.583	12	31064	.0075	ug/ml
013	ENDRIN	8.417	8.417	13	80013	.0150	ug/ml
014	p,p'-DDD	9.667	9.667	14	75534	.0250	ug/ml
017	ENDOSULFAN SULFATE	11.200	11.200	15	130809	.0780	ug/ml
048	ENDRIN KETONE	14.483	14.483	16	131024	.0200	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02614

LIB ENT	COMPONENT NAME	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
001	alpha-BHC	1.[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
003	beta-BHC	[illegible]	[illegible]	9	[illegible]	[illegible]	[illegible]
004	delta-BHC	2.450	2.450	[illegible]	[illegible]	.0075	[illegible]
006	ALDRIN	[illegible]	2.717	[illegible]	[illegible]	.0075	[illegible]
011	p,p'-DDE	[illegible]	[illegible]	[illegible]	[illegible]	.0075	ug/ml
013	ENDRIN	8.117	8.117	14	[illegible]	.0150	ug/ml
014	p,p'-DDD	9.933	9.933	15	[illegible]	.0250	ug/ml
017	ENDOSULFAN SULFATE	16.550	16.550	16	325357	.0380	ug/ml
048	ENDRIN KETONE	22.267	22.267	18	909744	.0200	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02615

```
* Sample Name: INDIVIDUAL [illegible]                    Data File: [illegible]
* Date: 05-06-1988 10:55 [illegible] Method: [illegible]
* Interface: 10  Cycle#:  3    Operator SS  Channel#: [illegible]    Vials: N.A.
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100
* Instrument Type: HP 5880A                 Column Type: 6FT x 2MM ID GLASS
*              Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
*              Detector 0: ECD                    Detector 1:
* Misc. Information: 4 UL INJECTION                        LPT1:
```

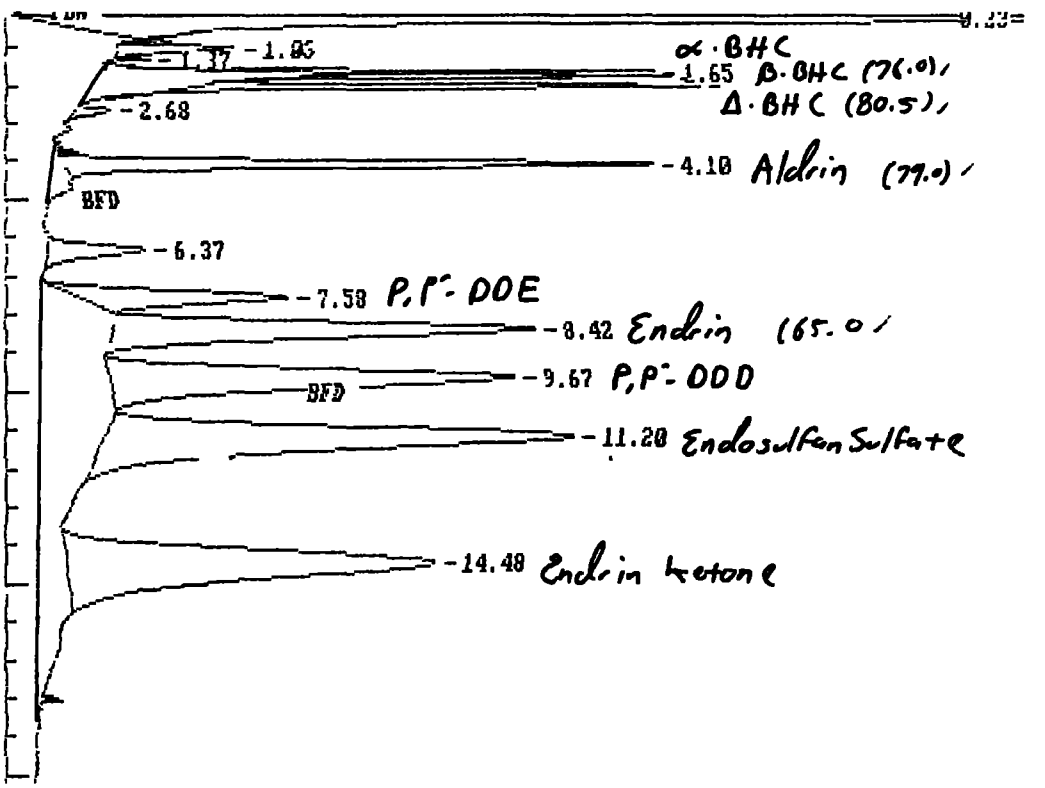
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	P L	Peak Ht.	Normalized %	Area/ Height
1	0.22	500269	39.0053	1	149647	100.000	3.9
3	1.03	8511	0.5721	1	810	1.467	10.5
4	1.37	1110	0.0746	1	276	0.191	4.0
5	1.65	11390	0.7656	1	2678	1.963	4.3
6	1.80	13989	0.9403	1	2506	2.411	5.6
7	2.05	27244	1.8313	1	3570	4.695	7.6
8	2.68	2841	0.1910	1	250	0.190	11.4
10	4.10	53799	3.6163	1	4066	9.271	13.2
11	6.37	13969	0.9390	1	666	2.407	21.0
12	7.58	31064	2.0881	1	1384	5.353	22.4
13	8.42	80010	5.3782	1	2901	13.788	27.6
14	9.67	95534	6.4217	1	2778	16.464	34.4
15	11.20	130809	8.7929	1	3240	22.543	40.4
16	14.48	131024	8.8073	1	2519	22.580	52.0
17	26.85	306104	20.5761	1	3309	52.752	92.5

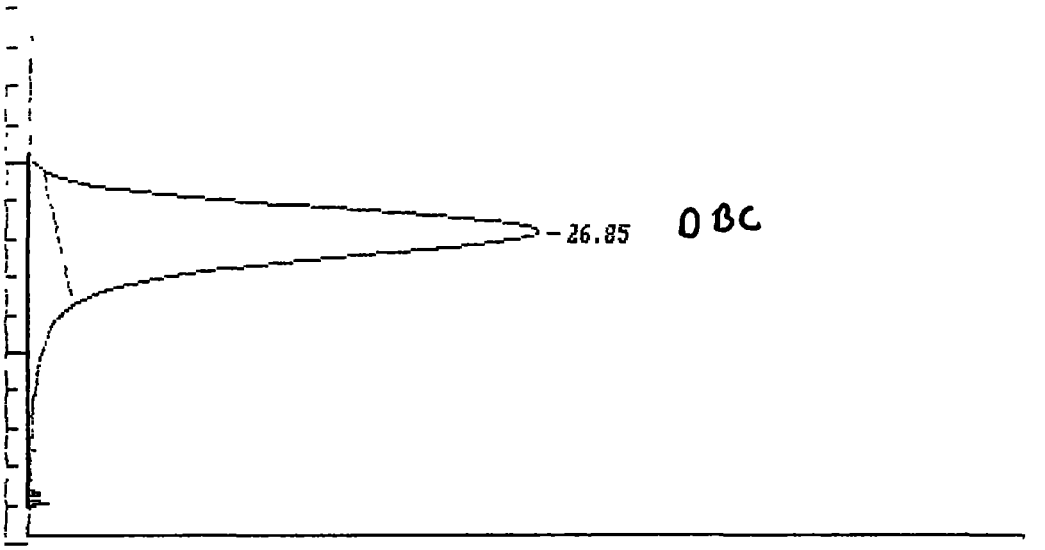
SS
5/9/88

Total Area: 1487666 Area Reject: 1000 One sample per 1 000 sec.

Data File = J:AB1265.PTS Printed on 05-08-1988 at 11:59:55
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts



02616



02617

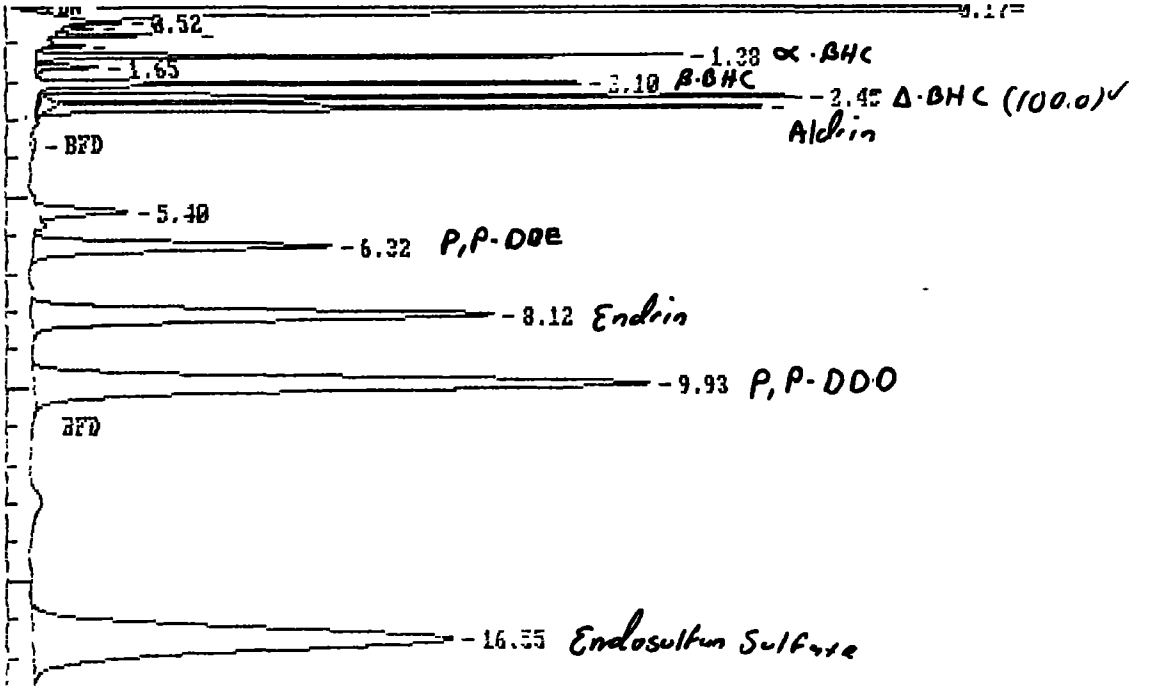
* Data Name: INDIVIDUAL MIX B Date of Lot: 7/31/87
* Date: 05-Jun-1992 10:31:27 Method: MISC1
* Interface: 12 Cycle#: 5 Operator SS Channel: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 0
* Instrument Type: HP 5890A Column Type: 60 M X 2MM ID SLA58
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector #: Detector 1: ECD
* Misc. Information: 4 UL INJ
Starting Delay: 0.00 Run Time: 25.00

Pl. No.	Ret Time	Peak Area	Area %	T L	Peak Ht.	Normalized %	Area Height
1	0.17	914629	30.9260	1	229748	30.900	3.2
2	0.52	2144	0.0725	1	722	0.224	3.0
3	0.65	2476	0.0837	1	568	0.271	4.4
4	0.82	7850	0.2654	1	2575	0.850	3.0
5	1.12	2819	0.0953	1	733	0.308	3.8
6	1.38	51064	1.7266	1	12079	5.583	4.2
7	1.65	7616	0.2575	1	1169	0.833	6.5
8	2.10	60936	2.0594	1	10699	6.659	6.0
9	2.45	86773	2.9335	1	14086	9.484	6.1
10	2.72	96574	3.2654	1	13330	10.559	7.2
11	3.72	1924	0.0651	1	92	0.210	20.8
12	5.40	21179	0.7159	1	1650	2.315	12.8
13	6.32	89256	3.0212	1	5542	9.760	16.1
14	8.12	174955	5.9157	1	8607	19.129	20.3
15	9.93	285521	9.6542	1	11512	31.217	24.8
16	16.55	325357	11.0012	1	7809	35.573	41.7
17	20.30	18405	0.6223	1	420	2.012	43.8
18	22.27	908344	27.3722	1	13520	88.379	59.2

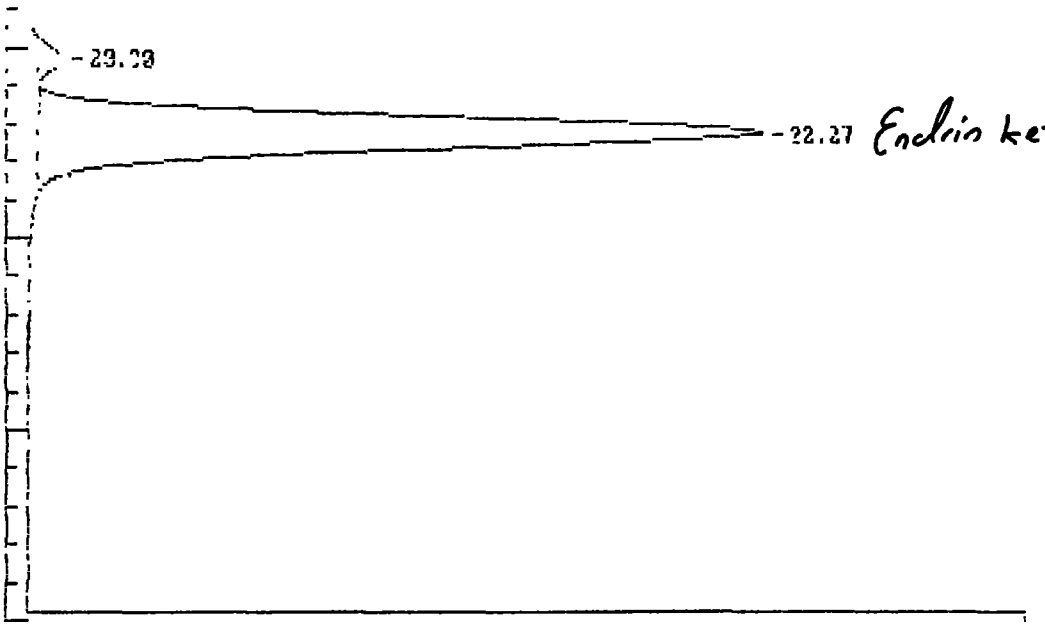
SS 5/9/80

Total Area: 2957475 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:3B1265.PTS Printed on 05-08-1992 at 11:59:45
Start time: 0.00 min. Stop time: 25.00 min. Offset: 0 mv.
Full Range: 10 milli-volts



02618



Endrin ketone/DBC

IMA

02619

LIBRARY ENTRY	COMPONENT NAME	COLUMN 1 AMOUNT	%DIFF RT	COLUMN 2 AMOUNT	%DIFF RT	COLUMN AVERAGE
006	ALDRIN	.0080	.0	.0079	.0	1.30
007	HEPTACHLOR EPOXIDE	.0106	.0	.0105	.4	.0105
010	ENDOSULFAN-A	.0158	.0	.0157	.3	.0157
012	DIELDRIN	.0078	.2	.0079	.5	.0078
014	p,p'-DDD	.0398	1.0	.0245	.3	NA
018	P,P'-DDT	.0257	.1	.0268	.6	.0262
033	APOCLOR 1248(peak 2)	.6074	.8	.1573	4.2	NA
036	AROCLOR 1254(peak 4)	.2407	1.6	.3085	2.7	NA
047	DBC (surrogate)	.0542	.1	.0263	4.7	NA
051	HEPTACHLOR IN TC	.1622	.5	.2701	.7	NA

NA - COLUMN AVERAGE IS NOT APPLICABLE BECAUSE THE %DIFFERENCE(AMOUNTS) 10%

IMA

02620

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	STEP NUMB	PEAK AREA	AMOUNT	UNITS
002	LINDANE	1.967	1.967	2	26620	.0075	ug/ml
005	HEPTACHLOR	3.267	3.267	4	75741	.0477	ug/ml
006	ALDRIN	4.100	4.100	5	57434	.7090	ug/ml
007	HEPTACHLOR EPOXIDE	5.067	5.067	6	36825	.0362	ug/ml
009	alpha-CHLORDANE	6.517	6.367	7	99856	.3436	ug/ml
010	ENDOSULFAN-A	6.367	6.367	7	99856	.0158	ug/ml
011	p,p'-DDE	7.583	7.500	8	52113	.0125	ug/ml
012	DIELDRIN	7.483	7.500	8	52113	.0078	ug/ml
013	ENDRIN	8.417	8.567	9	118747	.0222	ug/ml
014	p,p'-DDD	9.667	9.567	10	151917	.0398	ug/ml
015	ENDOSULFAN-B	8.600	8.567	9	118747	.0265	ug/ml
016	ENDRIN ALDEHYDE	9.550	9.567	10	151917	.0313	ug/ml
018	p,p'-DDT	12.767	12.783	11	129104	.0257	ug/ml
019	METHOXYCHLOR	19.500	19.567	12	160952	.0525	ug/ml
022	TOXAPHENE (peak 3)	12.483	12.733	11	129104	.4054	ug/ml
033	AROCLOR 1248(peak 2)	4.067	4.100	5	57434	.6074	ug/ml
036	AROCLOR 1254(peak 2)	6.317	6.367	7	99856	.1748	ug/ml
038	AROCLOR 1254(peak 4)	9.417	9.567	10	151917	.2467	ug/ml
040	AROCLOR 1260 peak 1)	9.350	9.567	10	151917	.6116	ug/ml
047	DBC (surrogate)	26.833	26.850	13	313484	.0542	ug/ml
051	HEPTACHLOR IN TC	3.283	3.267	4	75743	.1622	ug/ml
053	CHLOROBENZILATE	9.580	9.567	10	151917	.0540	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

IMA

02621

LIST ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMBER	PEAK AREA	AMOUNT	UNITS
004	delta-BHC	2.450	2.450	7	[illegible]	[illegible]	ug/ml
006	ALDRIN	2.717	2.717	8	102113	[illegible]	ug/ml
007	HEPTACHLOR EPOXIDE	4.250	4.233	10	144571	.0105	ug/ml
010	ENDOSULFAN-A	5.400	5.383	11	166962	.0157	ug/ml
012	DIELDRIN	6.650	6.617	12	107061	.0077	ug/ml
014	p,p'-DDD	9.933	9.900	13	280354	[illegible]	ug/ml
018	p,p'-DDT	12.000	11.933	14	258333	.0266	ug/ml
020	TOXAPHENE (peak 1)	6.683	6.617	12	107061	.4888	ug/ml
021	TOXAPHENE (peak 2)	10.167	9.900	13	280354	.9059	ug/ml
023	AROCLOR 1016(peak 1)	1.267	1.283	3	576	.0020	ug/ml
024	AROCLOR 1016(peak 2)	1.650	1.650	4	2535	.0043	ug/ml
025	AROCLOR 1016(peak 3)	2.200	2.217	6	149155	.1476	ug/ml
026	AROCLOR 1221(peak 1)	1.250	1.283	3	576	.0012	ug/ml
027	AROCLOR 1232(peak 1)	1.250	1.283	3	576	.0013	ug/ml
028	AROCLOR 1232(peak 2)	2.200	2.217	6	149155	.3379	ug/ml
029	AROCLOR 1242(peak 1)	1.250	1.283	3	576	.0020	ug/ml
030	AROCLOR 1242(peak 2)	1.650	1.650	4	2535	.0046	ug/ml
031	AROCLOR 1242(peak 3)	2.200	2.217	6	149155	.1597	ug/ml
032	AROCLOR 1248(peak 1)	2.200	2.217	6	149155	.2283	ug/ml
033	AROCLOR 1248(peak 2)	2.833	2.717	8	102113	.1573	ug/ml
034	AROCLOR 1248(peak 3)	4.333	4.233	10	144571	.1749	ug/ml
038	AROCLOR 1254(peak 4)	10.167	9.900	13	280354	.3085	ug/ml
039	AROCLOR 1254(peak 5)	11.650	11.933	14	258333	.2476	ug/ml
043	AROCLOR 1260(peak 4)	10.200	9.900	13	280354	.3684	ug/ml
044	AROCLOR 1260(peak 5)	11.650	11.933	14	258333	.2528	ug/ml
047	DBC (surrogate)	22.383	23.450	18	154761	.0283	ug/ml
048	ENDRIN KETONE	22.267	22.233	17	284608	.0073	ug/ml
051	HEPTACHLOR IN TC	2.233	2.217	6	149155	.2341	ug/ml
052	DIALLATE	1.230	1.283	3	576	.0000	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02622

* Sample Name: 5943[illegible] Date File: [illegible]
* Date: 05-06-1988 23:54:[illegible] Method: [illegible]ABPI
* Interface: 10 Cycles: 25 Operator SS Channel: [illegible] Vials: [illegible]
* Starting Peak Width: [illegible] Threshold: 1 Area Threshold: [illegible]

* Instrument Type: HP 5[illegible] Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1: *

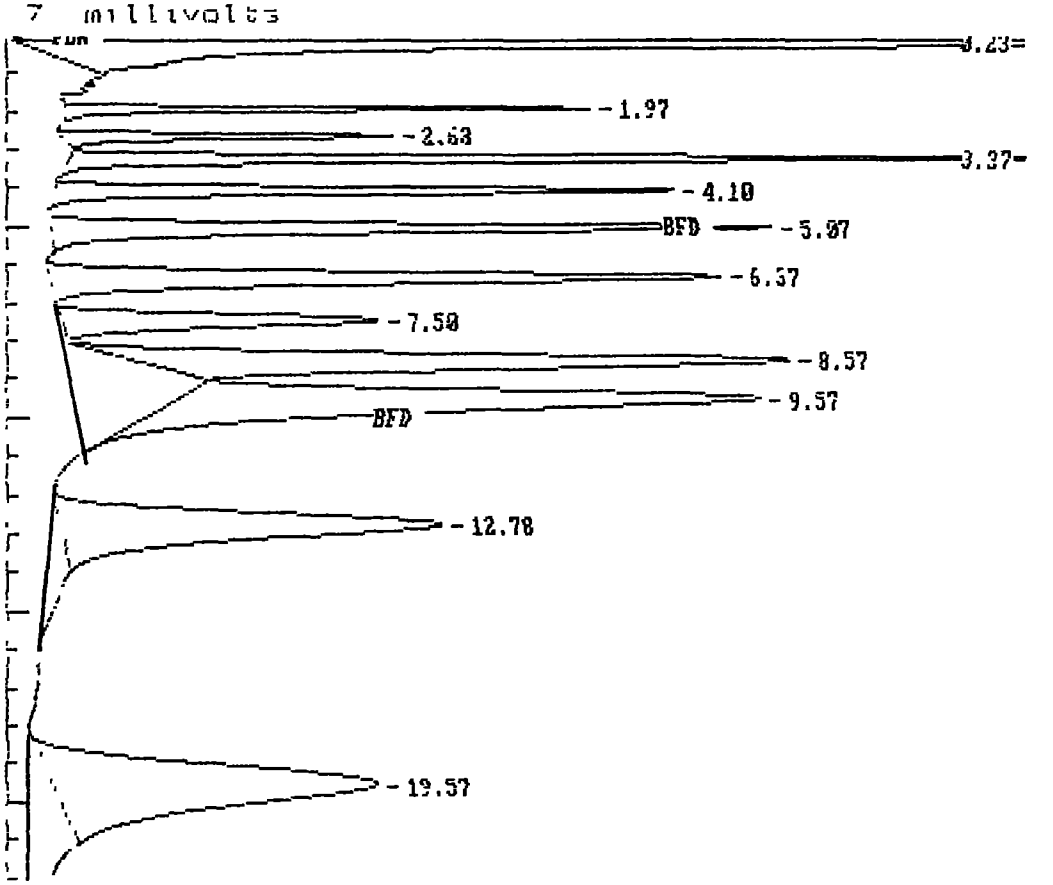
Starting Delay: 0.00 Run Time: 35.00

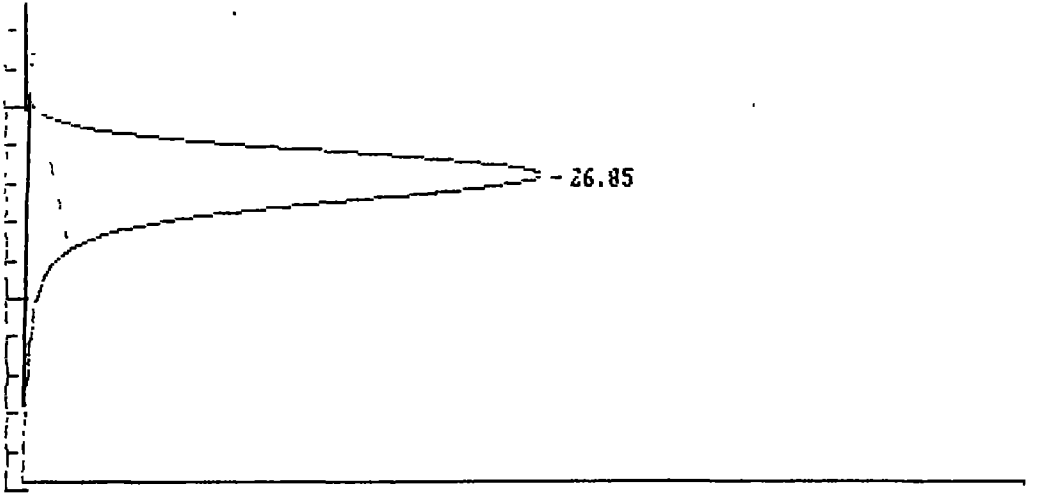
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	49[illegible]	27.6142	1	108330	100.000	4.5
2	1.97	26820	1.5098	1	3624	5.467	7.4
3	2.68	22243	1.2522	1	2262	4.534	9.8
4	3.27	75743	4.2639	1	6769	15.441	11.2
5	4.10	57434	3.2332	1	4270	11.709	13.4
6	5.07	86825	4.8876	1	4970	17.700	17.5
7	6.37	99856	5.6213	1	4625	20.357	21.6
8	7.50	52113	2.9337	1	2167	10.624	24.1
9	8.57	118347	6.6622	1	4491	24.126	26.4
10	9.57	151917	8.5520	1	4045	30.970	37.6
11	12.78	120104	6.7612	1	2615	24.484	45.9
12	19.57	160962	9.0612	1	2213	32.814	72.7
13	26.85	313484	17.6474	1	3353	63.907	93.5

SS
5/9/88

Total Area: 1776379 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB12625.PTS Printed on 05-08-1988 at 11:54:34
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




26.85

02624

* Sample Name: [illegible] Date: [illegible]
* Date: [illegible]
* Interface: [illegible] Cycle: [illegible] Over Low: [illegible] Channel: [illegible] Width: [illegible]
* Starting Peak Width: [illegible] Threshold: [illegible] Area Threshold: [illegible]

* Instrument Type: HP 5890A Column Type: [illegible]
Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 1P0 DEB ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

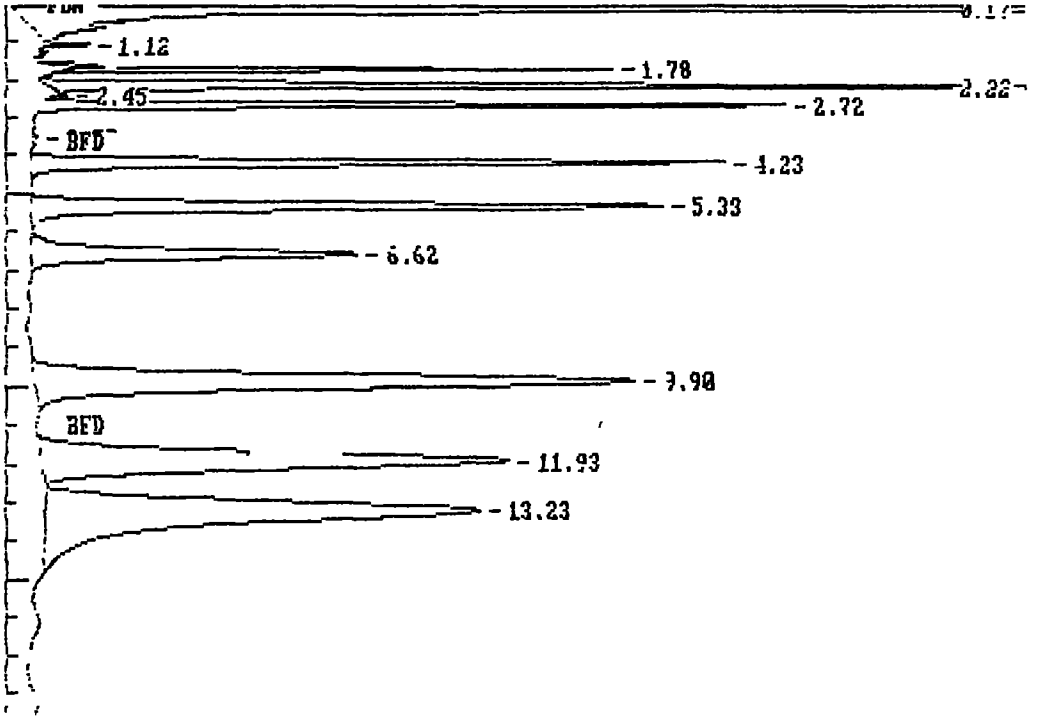
Starting Delay: 0.00 Run Time: 35.00

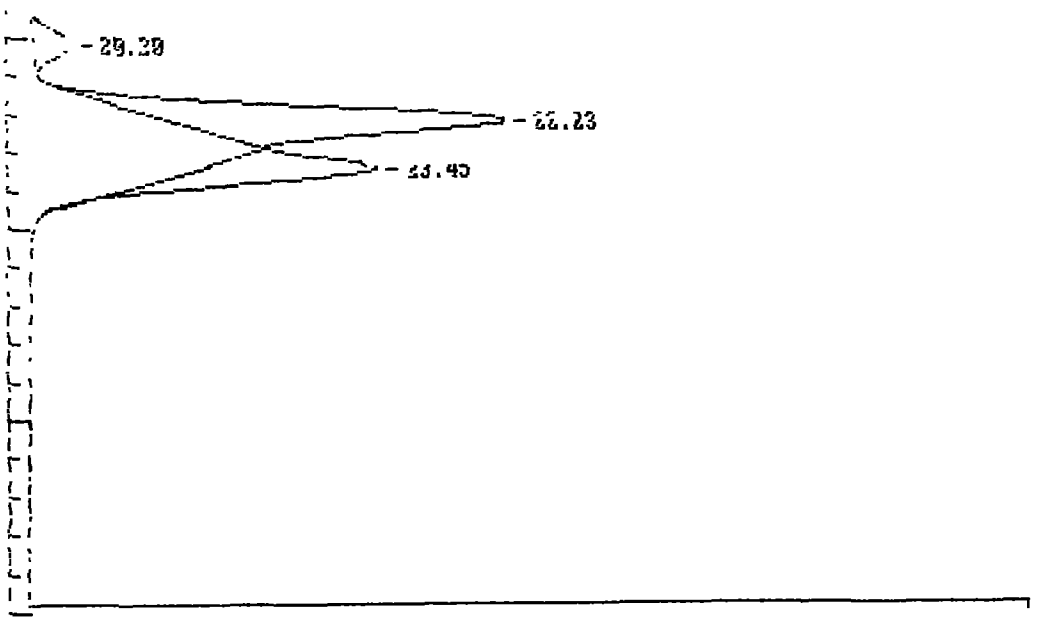
Pk No.	Ret Time	Peak Area	Area %	D L	Peak Ht.	Normalized %	Area/ Weight
1	0.17	832997	28.8050	1	302258	100.[illegible]	4.1
2	1.12	3480	0.1204	1	874	0.419	4.2
4	1.65	2535	0.0877	1	575	0.304	4.4
5	1.78	47462	1.6414	1	10231	5.698	4.6
6	2.22	149155	5.1583	1	19072	17.906	7.8
7	2.45	1162	0.0402	1	209	0.139	5.6
8	2.72	102113	3.5314	1	13959	12.259	7.3
9	3.55	1254	0.0434	1	87	0.151	14.5
10	4.23	144571	4.9998	1	13008	17.336	11.1
11	5.38	166962	5.7741	1	11841	20.044	14.1
12	6.62	107061	3.7026	1	6077	12.853	17.6
13	9.90	280354	9.6957	1	11238	33.656	24.9
14	11.93	258333	8.9341	1	8740	31.012	29.6
15	13.23	323422	11.1851	1	8117	38.826	39.8
16	20.20	31314	1.0830	1	660	3.759	47.4
17	22.23	284608	9.8428	1	6084	34.167	46.8
18	23.45	154761	5.3522	1	3397	18.579	45.6

Total Area: 2891543 Area Reject: 1000 One sample per 1,000 inc.

SS
5/9/88

Data File = J:BB12625.PTS Printed on 05-08-1988 at 12:24:15
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts





02625

IMB

02626

LIBRARY ENTRY	COMPONENT NAME	COLUMN 1 AMOUNT	%DIFF RT	COLUMN 2 AMOUNT	%DIFF RT	[illegible]
002	alpha-BHC	[illegible]	.7	[illegible]	.0	[illegible]
003	beta-BHC	.0075	.4	[illegible]	.0	[illegible]
004	delta-BHC	.0071	.0	.0054	.1	[illegible]
005	ALDRIN	.0067	.0	.0053	.1	[illegible]
010	ENDOSULFAN-A	.0072	.0	.0020	.0	NA
011	p,p'-DDE	.0071	.2	.0079	.0	[illegible]
012	ENDRIN	.0137	.0	.0155	.0	NA
014	p,p'-DDD	.0240	.0	.0072	1.0	NA
017	ENDOSULFAN SULFATE	.3370	.1	.0430	.0	NA
048	ENDRIN KETONE	.0198	.4	.0219	.1	[illegible]

NA - COLUMN AVERAGE IS NOT APPLICABLE BECAUSE THE %DIFFERENCE(AMOUNTS) [illegible].

IMB

02627

LIB ID	COMPOUND NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
001	alpha-BHC	1.650	1.650	5	10705	.0033	ug/ml
002	beta-BHC	1.800	1.800	6	17756	.0077	ug/ml
004	delta-BHC	2.050	2.050	7	25623	.0071	ug/ml
005	HEPTACHLOR	3.267	3.167	9	5771	.0005	ug/ml
006	ALDRIN	4.100	4.100	10	46082	.0064	ug/ml
009	alpha-CHLORDANE	6.517	6.367	12	14024	.0487	ug/ml
010	ENDOSULFAN-A	6.767	6.767	13	11024	.0022	ug/ml
011	p,p'-DDE	7.583	7.600	13	29435	.0071	ug/ml
012	DIELDRIN	7.483	7.600	13	29435	.0044	ug/ml
013	ENDRIN	8.417	8.417	14	73228	.0137	ug/ml
014	p,p'-DDD	9.667	9.667	15	91268	.0240	ug/ml
015	ENDOSULFAN-B	8.600	8.417	14	73228	.4164	ug/ml
016	ENDRIN ALDEHYDE	9.550	9.667	15	91268	.0189	ug/ml
017	ENDOSULFAN SULFATE	11.200	11.217	16	127496	.0370	ug/ml
022	AROCLOR 1016(peak 1)	1.683	1.650	5	10705	.0736	ug/ml
026	AROCLOR 1221(peak 1)	1.683	1.650	5	10705	.0492	ug/ml
027	AROCLOR 1232(peak 1)	1.683	1.650	5	10705	.0718	ug/ml
029	AROCLOR 1242(peak 1)	1.683	1.650	5	10705	.0665	ug/ml
033	AROCLOR 1248(peak 2)	4.067	4.100	10	46082	.4873	ug/ml
036	AROCLOR 1254(peak 2)	6.317	6.367	12	14024	.0242	ug/ml
038	AROCLOR 1254(peak 4)	9.417	9.667	15	91268	.1456	ug/ml
039	AROCLOR 1254(peak 5)	11.050	11.217	16	127496	.2467	ug/ml
041	AROCLOR 1260(peak 2	11.167	11.217	16	127496	.3890	ug/ml
047	DBC (surrogate)	26.933	26.867	18	303019	.0521	ug/ml
048	ENDRIN KETONE	14.483	14.483	17	129937	.0193	ug/ml
052	DIALLATE	1.700	1.650	5	10705	.0400	ug/ml
053	CHLOROBENZILATE	9.583	9.667	15	91268	.0000	ug/ml

^ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

IMB

02628

LIB ENT	COMPONENT NAME	RETENTION TIME % RESTED	TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
001	alpha BHC	1.383	1.382	5	55709	.0018	ug/ml
003	beta-BHC	2.100	2.087	7	64177	.0079	ug/ml
004	delta-BHC	2.450	2.433	8	96[illegible]	.0084	ug/ml
006	ALDRIN	2.717	2.700	9	103204	.0080	ug/ml
010	ENDOSULFAN-A	5.400	5.367	13	20936	.0024	ug/ml
011	p,p'-DDE	6.317	6.267	15	92854	.0078	ug/ml
013	ENDRIN	8.117	8.050	16	181293	.0155	ug/ml
014	p,p'-DDD	9.933	9.833	17	311056	.0272	ug/ml
017	ENDOSULFAN SULFATE	16.550	16.417	18	367877	.0430	ug/ml
021	TOXAPHENE (peak 2)	10.167	9.833	17	311056	.8941	ug/ml
024	AROCLOR 1016(peak 2)	1.650	1.650	6	8551	.0146	ug/ml
030	AROCLOR 1242(peak 2)	1.650	1.650	6	8551	.0155	ug/ml
035	AROCLOR 1254(peak 1)	3.017	4.933	12	7344	.0071	ug/ml
037	AROCLOR 1254(peak 3)	7.950	8.050	16	181293	.1654	ug/ml
043	ENDRIN KETONE	22.267	22.467	20	883248	.0219	ug/ml
049	ISODRIN	3.683	3.733	11	5363	.0003	ug/ml
050	KEPONE	8.083	8.050	16	181293	.0145	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

[illegible]

[illegible] Version 4.[illegible]

- Sample Name: [illegible] Data File: [illegible]

02629

* Date: 05-[illegible]-1988 [illegible] Method: [illegible]
* Interface: 10 Cycle#: 77 Operator: [illegible] Channel#: [illegible] Vial#: [illegible]
* Starting Peak Width: 1[illegible] Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5933A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

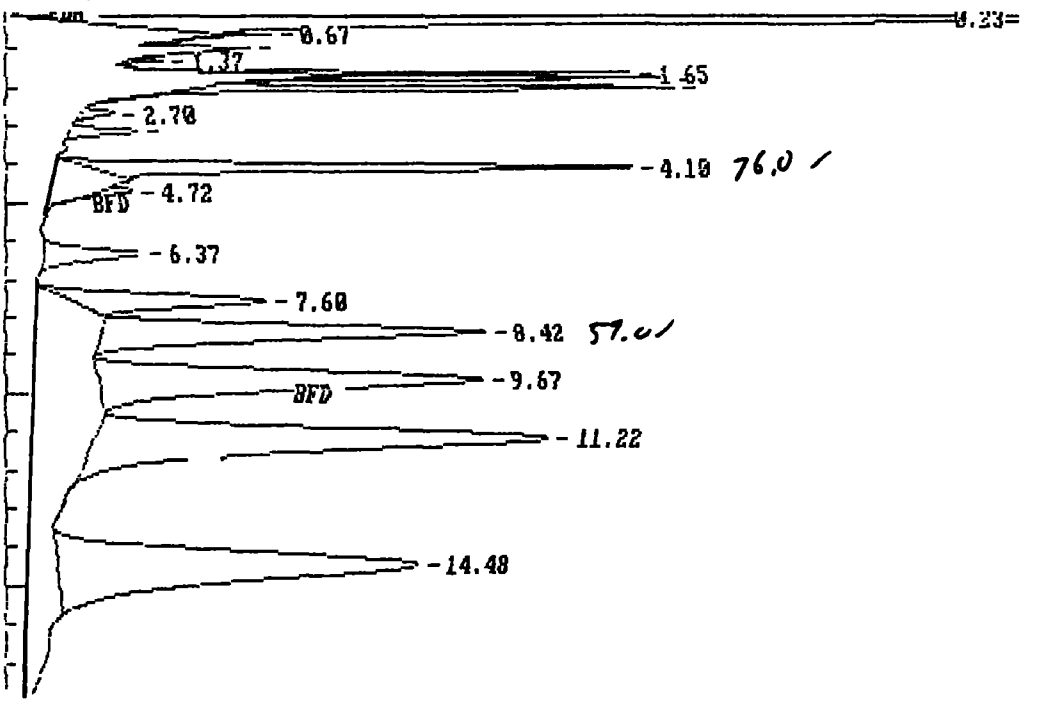
Starting Delay: 0.00 Run Time: 35.00

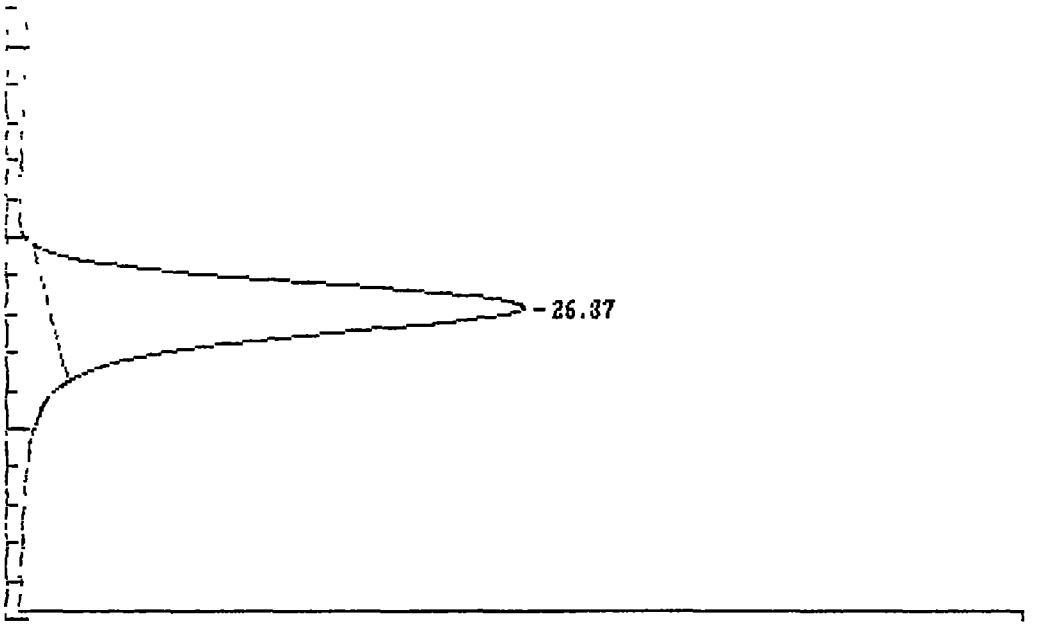
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	426672	32.4727	1	103013	100.000	4.1
2	0.67	2137	0.1626	1	413	0.501	5.2
3	1.02	7372	0.5611	1	769	1.728	9.6
4	1.37	1069	0.0814	1	267	0.251	4.0
5	1.65	10705	0.8147	1	2520	2.509	4.2
6	1.80	13956	1.0621	1	2489	3.271	5.6
7	2.05	25625	1.9502	1	3371	6.006	7.6
8	2.70	2453	0.1867	1	234	0.575	10.5
9	3.17	5394	0.4105	1	474	1.264	11.4
10	4.10	46082	3.5072	1	3715	10.800	12.4
11	4.72	3452	0.2627	1	261	0.809	13.2
12	6.37	14024	1.0673	1	665	3.287	21.1
13	7.60	29435	2.2402	1	1306	6.899	22.5
14	8.42	73228	5.5732	1	2651	17.163	27.6
15	9.67	91868	6.9918	1	2648	21.531	34.7
16	11.22	127496	9.7033	1	3144	29.882	40.6
17	14.48	129937	9.8871	1	2488	30.454	52.2
18	26.87	303039	23.0633	1	3266	71.024	92.8

SS
5/9/82

Total Area: 1313941 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB12637.RTS Printed on 05-08-1988 at 12:04:22
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




26.37

02631

[illegible]

* Sample Name: [illegible]
* Date: 05-07-1988 [illegible]:05 Method: [illegible]
* Interface: 12 Cycle#: 37 Operator: 82 Channel#: [illegible] Vial#: N.A.
* Starting Peak Width: [illegible] Threshold: 1 Area Threshold: 10.

* Instrument Type: HP 5820A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

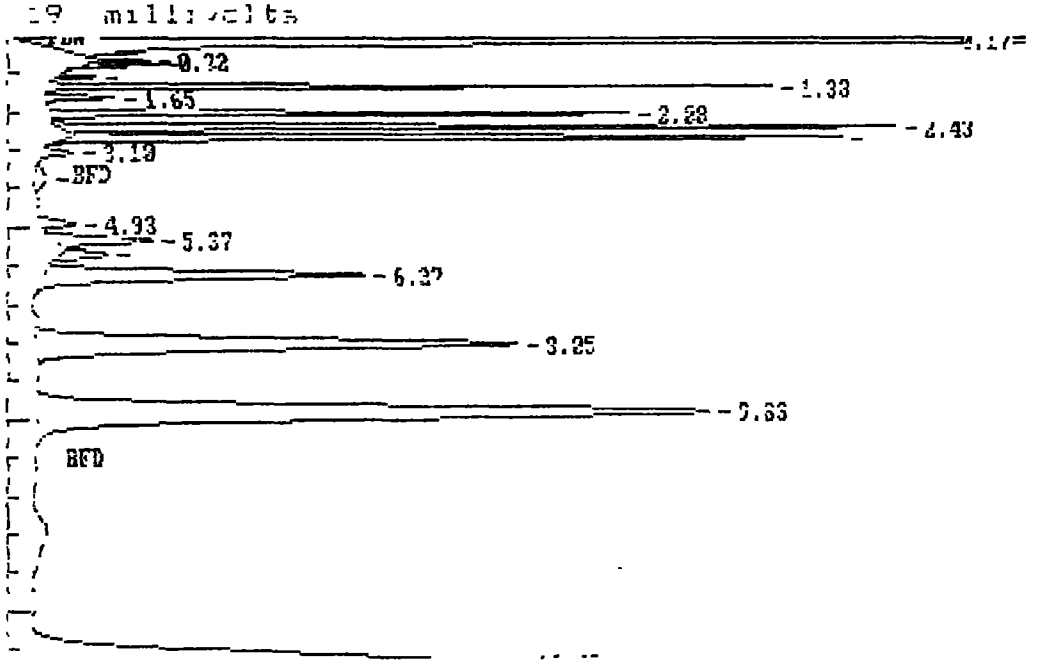
Starting Delay: 0.00 Run Time: 35.00

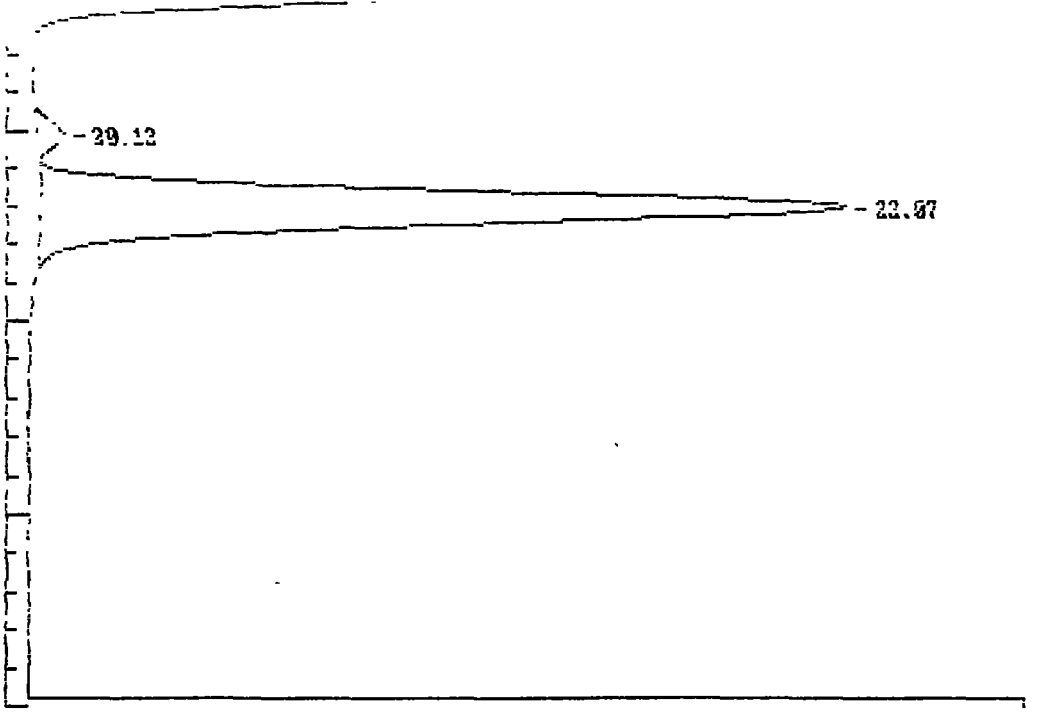
Pk No.	Ret Time	Peak Area	Area %	S L	Peak Ht.	Normalized %	Area/ Height
1	0.17	828693	26.9455	1	214038	93.223	3.9
2	0.72	3219	0.1046	1	1110	0.364	2.9
3	0.82	5855	0.1904	1	2116	0.663	2.8
4	1.12	2935	0.0954	1	722	0.332	4.1
5	1.38	55709	1.8114	1	13563	6.307	4.1
6	1.65	8551	0.2780	1	1273	0.969	6.7
7	2.08	64137	2.0855	1	10809	7.261	5.9
8	2.43	96626	3.1419	1	15617	10.940	6.2
9	2.70	103304	3.3590	1	14605	11.696	7.1
10	3.10	5149	0.1674	1	591	0.587	8.7
11	3.73	5363	0.1744	1	221	0.607	24.2
12	4.93	7344	0.2388	1	663	0.831	11.1
13	5.37	20886	0.6791	1	1759	2.365	11.9
14	5.73	10725	0.3487	1	919	1.214	11.7
15	6.27	92854	3.0192	1	5939	10.513	15.6
16	8.05	181293	5.8949	1	9004	20.526	20.1
17	9.83	311056	10.1142	1	12598	35.217	24.7
18	16.42	367877	11.9617	1	8844	41.650	41.6
19	20.12	20623	0.6706	1	468	2.335	44.1
20	22.07	883248	28.7194	1	15073	100.000	58.6

SS 5/9/88

Total Area: 3075444 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:5B12637.PTS Printed on 05-05-1988 at 12:37:46
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 m.
Full Range: 19 millivolts




29.13
22.97

IMA

02633

LIBRARY ENTRY	COMPONENT NAME	COLUMN 1 AMOUNT	COLUMN 1 RT	COLUMN 2 AMOUNT	COLUMN 2 RT	DELTA AVERAGE
006	ALDRIN	.0483	.0	.0124	.6	.0179
007	HEPTACHLOR EPOXIDE	.0110	.7	.0111	1.2	.0111
009	alpha-CHLORDANE	.0521	2.2	.0187	2.9	NA
010	ENDOSULFAN-A	.0165	.0	.0170	.9	.0167
012	DIELDRIN	.0081	.2	.0084	1.0	.0083
014	p,p'-DDD	.0417	1.0	.0264	.8	NA
047	DBC (surrogate)	.0576	.1	.0308	4.2	NA
051	HEPTACHLOR IN TC	.1694	.0	.2351	.7	NA

NA - COLUMN AVERAGE IS NOT APPLICABLE BECAUSE THE %DIFFERENCE(AMOUNTS) 10%

IMA

02634

LOG ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
002	LINDANE	1.967	1.967	4	27922	.0037	ug/ml
005	HEPTACHLOR	3.267	3.283	6	79113	.0080	ug/ml
006	ALDRIN	4.100	4.100	7	59411	.0083	ug/ml
007	HEPTACHLOR EPOXIDE	5.067	5.083	8	90410	.0113	ug/ml
009	alpha-CHLORDANE	6.517	6.367	9	104354	.3591	ug/ml
010	ENDOSULFAN-A	6.367	6.367	9	104354	.0165	ug/ml
011	p,p'-DDE	7.583	7.500	10	54205	.0131	ug/ml
012	DIELDRIN	7.483	7.500	10	54205	.0081	ug/ml
013	ENDRIN	8.417	8.583	11	124183	.0233	ug/ml
014	p,p'-DDD	9.667	9.567	12	159237	.0417	ug/ml
015	ENDOSULFAN-B	9.600	8.583	11	124183	.0278	ug/ml
016	ENDRIN ALDEHYDE	9.550	9.567	12	159237	.0328	ug/ml
018	p,p'-DDT	12.767	12.783	13	124781	.0267	ug/ml
019	METHOXYCHLOR	19.500	19.533	14	169881	.0559	ug/ml
022	TOXAPHENE (peak 3)	12.483	12.783	13	124781	.4243	ug/ml
033	AROCLOR 1248(peak 2)	4.067	4.100	7	59411	.6283	ug/ml
036	AROCLOR 1254(peak 2)	6.317	6.367	9	104354	.1827	ug/ml
038	AROCLOR 1254(peak 4)	9.417	9.567	12	159237	.2523	ug/ml
040	AROCLOR 1260(peak 1)	9.350	9.567	12	159237	.6405	ug/ml
047	DBC (surrogate)	26.833	26.867	15	333195	.0576	ug/ml
051	HEPTACHLOR IN TC	3.283	3.283	6	79113	.1694	ug/ml
053	CHLOROBENZILATE	9.580	9.567	12	159237	.0000	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

IM

02635

[illegible] CNT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	[illegible]	AMOUNT	UNITS
001	alpha BHC	1.383	1.400	5	648	.0000	ug/ml
004	delta-BHC	2.450	2.450	9	1651	.0001	ug/ml
006	ALDRIN	2.717	2.700	10	108372	.0084	ug/ml
007	HEPTACHLOR EPOXIDE	4.250	4.200	12	152395	.0111	ug/ml
009	alpha-CHLORDANE	5.200	5.350	13	181541	.1876	ug/ml
010	ENDOSULFAN-A	5.400	5.350	13	181541	.0170	ug/ml
012	DIELDRIN	6.650	6.583	14	113872	.0084	ug/ml
014	p,p'-DDD	9.933	9.850	15	301353	.0264	ug/ml
020	TOXAPHENE (peak 1)	6.683	6.583	14	113872	.5199	ug/ml
021	TOXAPHENE (peak 2)	10.167	9.850	15	301353	.8663	ug/ml
023	AROCLOR 1016(peak 1	1.267	1.283	4	648	.0022	ug/ml
024	AROCLOR 1016 peak 2)	1.650	1.650	6	2204	.0038	ug/ml
025	AROCLOR 1016(peak 3)	2.200	2.217	8	152397	.1508	ug/ml
026	AROCLOR 1221(peak 1	1.250	1.283	4	648	.0017	ug/ml
027	AROCLOR 1232 peak 1)	1.250	1.283	4	648	.0020	ug/ml
028	AROCLOR 1232(peak 2)	2.200	2.217	8	152397	.2351	ug/ml
029	AROCLOR 1242 peak 1)	1.250	1.283	4	648	.0023	ug/ml
030	AROCLOR 1242(peak 2)	1.650	1.650	6	2204	.0040	ug/ml
031	AROCLOR 1242(peak 3	2.200	2.217	8	152397	.1632	ug/ml
032	AROCLOR 1248(peak 1,	2.200	2.217	8	152397	.2333	ug/ml
039	AROCLOR 1254(peak 5)	11.650	11.867	16	279617	.2680	ug/ml
043	AROCLOR 1260 peak 4)	10.200	9.850	15	301353	.3960	ug/ml
044	AROCLOR 1260(peak 5)	11.650	11.867	16	279617	.2736	ug/ml
047	DBC (surrogate)	22.357	23.333	20	162080	.0308	ug/ml
048	ENDRIN KETONE	22.267	22.100	19	301155	.0075	ug/ml
049	ISODRIN	3.683	3.733	11	2849	.0002	ug/ml
051	HEPTACHLOR IN TC	2.233	2.217	8	152397	.2351	ug/ml
052	DIALLATE	1.230	1.283	4	648	.0000	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02636

* Sample Name: [illegible] Data File: [illegible]
* Date: 05-07-1988 15:17:57 Method: H:[illegible]
* Interface: 10 Cycle#: 49 Operator SS Channels: 0 Vials: [illegible]
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: [illegible] 2MM ID CLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1: *

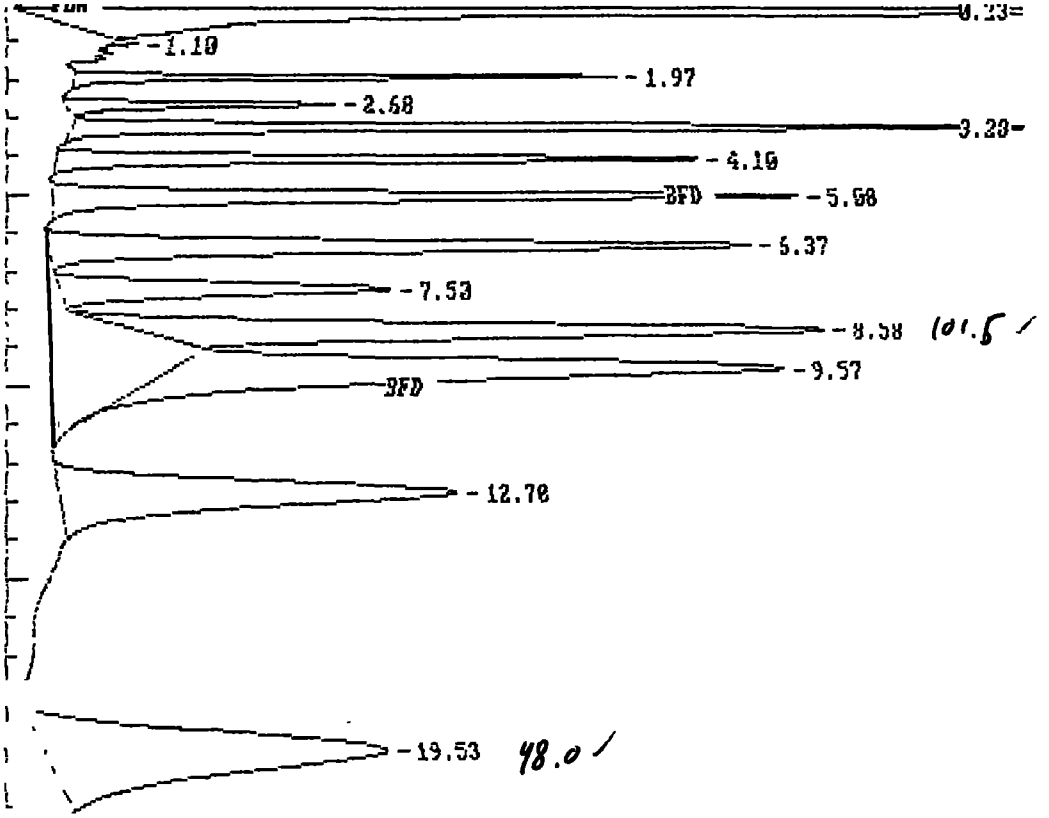
Starting Delay: 0.00 Run Time: 35.00

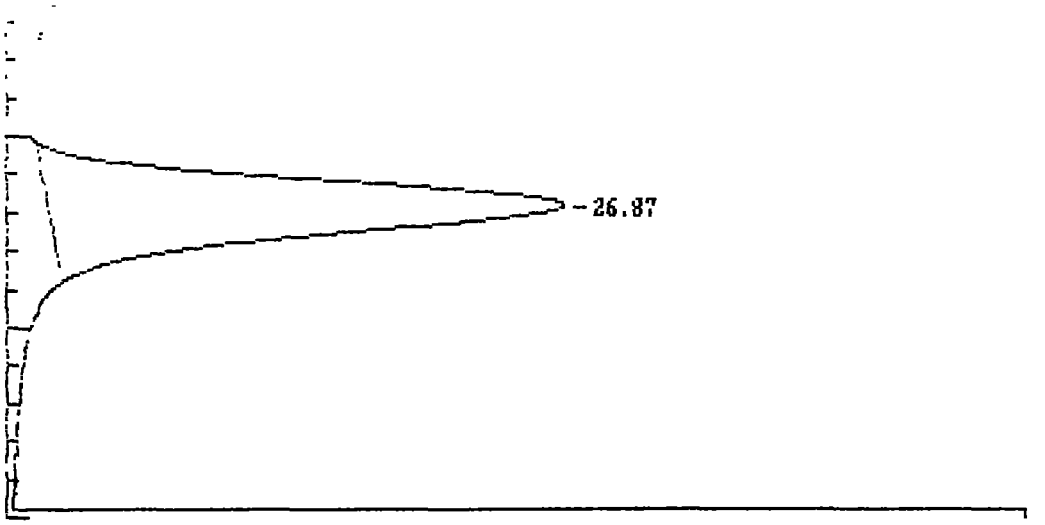
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	503389	27.2197	1	110841	100.000	4.5
2	1.10	1050	0.0568	1	182	0.209	5.8
4	1.97	27928	1.5101	1	3741	5.548	7.5
5	2.68	18221	0.9853	1	1833	3.620	9.9
6	3.28	79113	4.2778	1	7089	15.716	11.2
7	4.10	59411	3.2125	1	4428	11.802	13.4
8	5.08	90410	4.8887	1	5156	17.960	17.5
9	6.37	104354	5.6427	1	4833	20.730	21.6
10	7.50	54205	2.9310	1	2261	10.768	24.0
11	8.58	124183	6.7149	1	4734	24.669	26.2
12	9.57	159237	8.6104	1	4232	31.633	37.6
13	12.78	124781	6.7472	1	2739	24.788	45.6
14	19.53	169881	9.1859	1	2340	33.747	72.6
15	26.87	333195	18.0168	1	3545	66.190	94.0

SS
5/9/88

Total Area: 1849356 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB12649.PTS Printed on 05-08-1988 at 12:18:32
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 m.
Full Range: 7 millivolts

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02638

* Sample Name: SB12649 [NO TITLE] * [illegible] *
* Data: 25 [illegible] 388 [41+]8[illegible] Method: MIXED *
* Integrator ID: Cyclone Operator ID: Channel: [illegible] *
* Starting Peak Width: [illegible] Threshold: [illegible] *
* Instrument Type: HP 5890- Column Type: 30M X 2MM ID CPSIL8 *
* GC Set Point Options: [illegible] *
* Conditions: 1ST DEG ISOTHERMAL *
* Detector #: Detector 1: ECD *
* Misc. Information: 1 UL (N) *

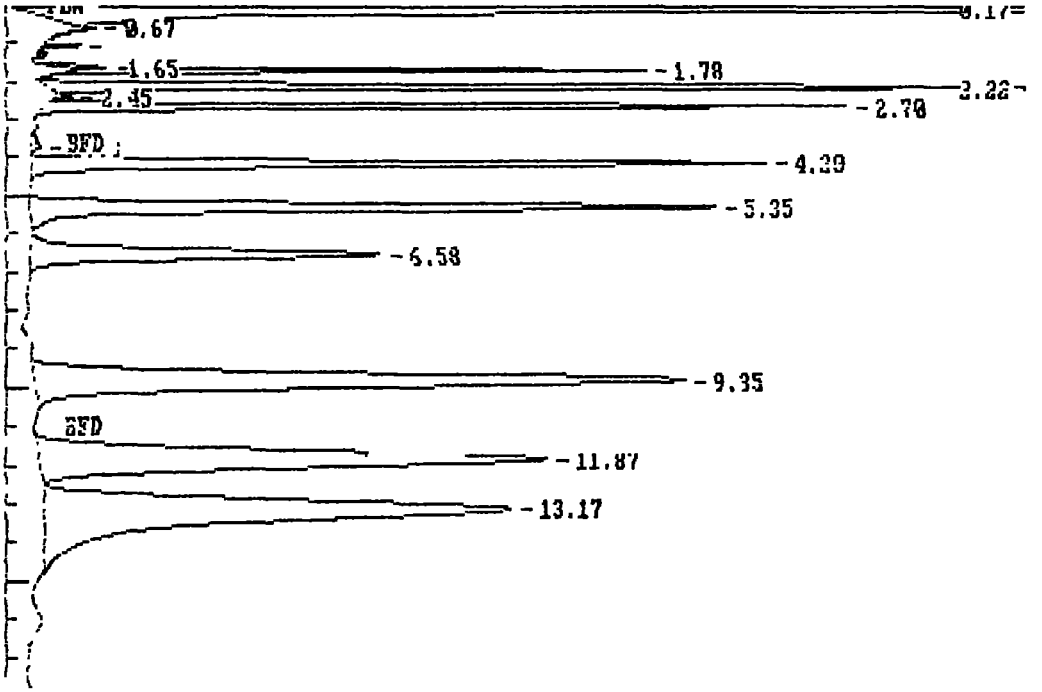
Starting Delay: 0.00 Run Time: 35.00

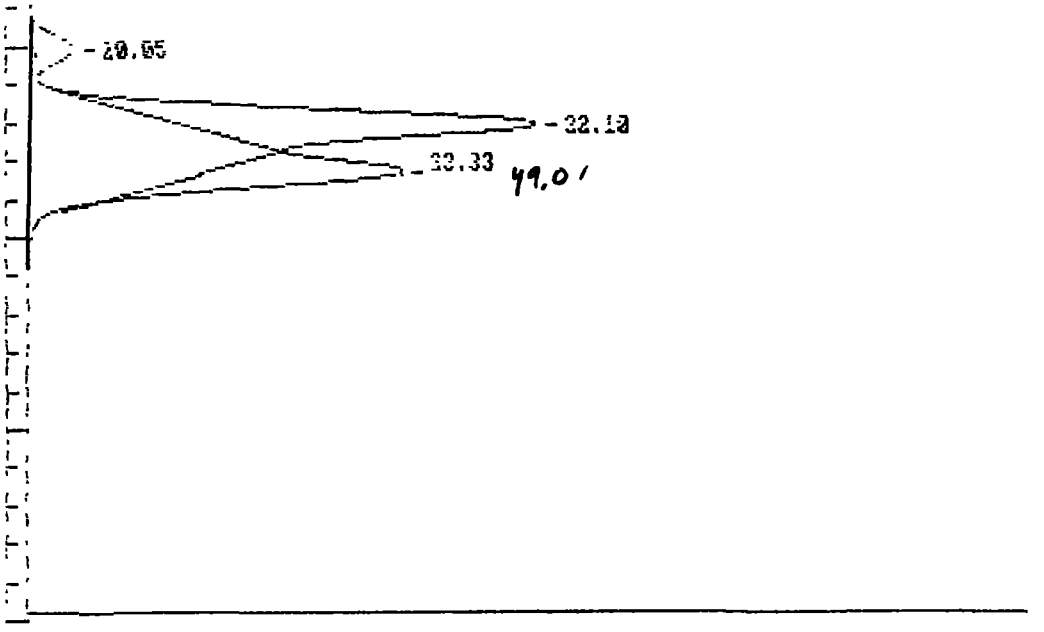
Pk No.	Ret Time	Real Area	Area %	2	Real Ht.	Normalized %	Area/ Height
1	0.17	841371	27.6757	1	211557	100.000	4.0
2	0.67	1583	0.0520	1	281	0.133	5.6
3	1.12	2804	0.0921	1	706	0.333	4.0
6	1.65	2204	0.0724	1	506	0.239	4.4
7	1.78	50950	1.6726	1	10849	5.127	4.7
8	2.22	152397	5.0056	1	20527	9.699	7.4
9	2.45	1651	0.0542	1	301	0.142	5.5
10	2.70	108372	3.5596	1	15057	7.116	7.2
11	3.73	2869	0.0942	1	166	0.078	17.2
12	4.20	152795	5.0167	1	13744	6.495	11.1
13	5.35	181541	5.9629	1	12832	6.064	14.1
14	6.58	113872	3.7402	1	6526	3.084	17.5
15	9.85	301353	9.8982	1	12172	5.752	24.8
16	11.87	279617	9.1843	1	9491	4.485	29.5
17	13.17	344959	11.3305	1	8723	4.122	39.5
18	20.05	33662	1.1057	1	720	0.340	46.8
19	22.10	304455	10.0001	1	6521	3.082	46.7
20	23.33	168084	5.5207	1	3763	1.778	44.7

55
5/9/88

Total Area: 3044517 Area Reject: 1000 One sample per 1.000 set.

Data File = J:SB12649.PTS Printed on 05-08-1988 at 12:51:25
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




20.65
32.18
33.33
49.0

INDIVIDUAL MIX A

Component	Concentration ug/ml	Nanograms Col. A - 2 ul	Injected Col. B - 4 ul
Lindane (gamma-BHC)	0.0035	0.0070	0.014
Heptachlor	0.0075	0.015	0.030
Aldrin	0.0075	0.015	0.030
Heptachlor Epoxide	0.010	0.020	0.040
Endosulfan A	0.015	0.030	0.060
Dieldrin	0.0075	0.015	0.030
pp'-DDT	0.025	0.050	0.10
Endrin Aldehyde	0.030	0.060	0.12
Endosulfan B	0.025	0.050	0.10
Methoxychlor	0.050	0.10	0.20
Dibutylchlorendate	0.050	0.10	0.20

INDIVIDUAL MIX B

Component	Concentration ug/ml	Nanograms Col. A - 2 ul	Injected Col. B - 4 ul
alpha-BHC	0.0035	0.0070	0.014
beta-BHC	0.0075	0.015	0.030
delta-BHC	0.0075	0.015	0.030
Aldrin	0.0075	0.015	0.030
pp'-DDE	0.0075	0.015	0.030
Endrin	0.015	0.030	0.060
pp'-DDD	0.025	0.050	0.10
Endosulfan Sulfate	0.038	0.076	0.15
Endrin Ketone	0.020	0.040	0.080
Dibutylchlorendate	0.050	0.10	0.20

02641

LIG ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
002	LINDANE	[illegible]	[illegible]		[illegible]	[illegible]	ug/ml
005	HEPTACHLOR	3.267	3.267	[illegible]	[illegible]	.0075	ug/ml
006	ALDRIN	[illegible]	[illegible]	[illegible]	[illegible]	.0075	ug
007	HEPTACHLOR EPOXIDE	5.067	[illegible]	8	[illegible]	.0100	ug/ml
010	ENDOSULFAN-A	6.330	[illegible]	[illegible]	[illegible]	[illegible]	ug/ml
012	DIELDRIN	7.483	7.483	10	[illegible]	.0075	ug/ml
015	ENDOSULFAN-B	8.567	8.567	11	[illegible]	.0250	ug/ml
016	ENDRIN ALDEHYDE	9.552	[illegible]	12	[illegible]	[illegible]	ug/ml
018	p,p'-DDT	[illegible]	[illegible]	13	[illegible]	[illegible]	ug/ml
019	METHOXYCHLOR	[illegible]	[illegible]	14	[illegible]	[illegible]	ug/ml
047	DBC (surrogate)	[illegible]	[illegible]	15	[illegible]	[illegible]	ug/ml

* = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

STANDARDS: INDIVIDUAL [illegible]

02642

LIB ENT	COMPONENT NAME	[illegible] EXPECTED	TIME MEASURED	[illegible] NUMB	[illegible] AREA	[illegible]	[illegible]
002	LINDANE	1.833	1.8[illegible]	[illegible]	[illegible]	[illegible]	ug/[illegible]
005	HEPTACHLOR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
006	ALDRIN	2.767	2.767	[illegible]	[illegible]	[illegible]	ug/ml
007	HEPTACHLOR EPOXIDE	4.317	4.317	12	219953	[illegible]	ug/[illegible]
011	ENDOSULFAN-A	5.500	5.500	13	[illegible]	[illegible]	ug/[illegible]
012	DIELDRIN	6.767	6.767	14	[illegible]	.0375	ug/ml
015	ENDOSULFAN-B	10.117	10.117	15	421534	.0250	ug/ml
016	ENDRIN ALDEHYDE	13.533	13.533	17	508360	[illegible]	ug/ml
018	p,p'-DDT	12.167	12.167	16	411807	.025	ug/ml
019	METHOXYCHLOR	23.933	23.933	20	249774	.0500	ug/ml
017	DBC (surrogate)	22.650	22.650	19	455737	.0500	ug/ml

^ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

******** AREA PERCENT REPORT ********

02643

******************** 05-19-1988 10:11:22 Version 4.1 ********************

* Sample Name: INDIVIDUAL MIX A Data File: J:AB1334 *

* Date: 05-12-1988 10:30:24 Method: M:ABPI *

* Interface: 10 Cycle#: 4 Operator SS Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *

* Solvent Description: 1.5% SP2250/1.95% SP2401 *

* Conditions: 190 DEGREES ISOTHERMAL *

* Detector 0: ECD Detector 1: *

* Misc. Information: 4 UL INJECTION LPT1: *

Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	487476	23.6412	1	113725	100.000	4.3
2	0.85	1389	0.0674	1	388	0.285	3.6
4	1.97	32152	1.5593	1	4367	6.596	7.4
5	2.68	35512	1.7222	1	3588	7.285	9.9
6	3.27	86895	4.2141	1	7970	17.805	10.9
7	4.10	67221	3.2600	1	5030	13.790	13.4
8	5.07	104156	5.0513	1	5975	21.366	17.4
9	6.35	117852	5.7155	1	5492	24.176	21.5
10	7.48	62459	3.0291	1	2613	12.813	23.9
11	8.57	142782	6.9245	1	5420	29.290	26.3
12	9.55	179819	8.7207	1	4846	36.888	37.1
13	12.75	152057	7.3743	1	3300	31.193	46.1
14	19.48	196942	9.5511	1	2711	40.400	72.6
15	26.80	395270	19.1694	1	4202	81.085	94.1

SS
5/19/88

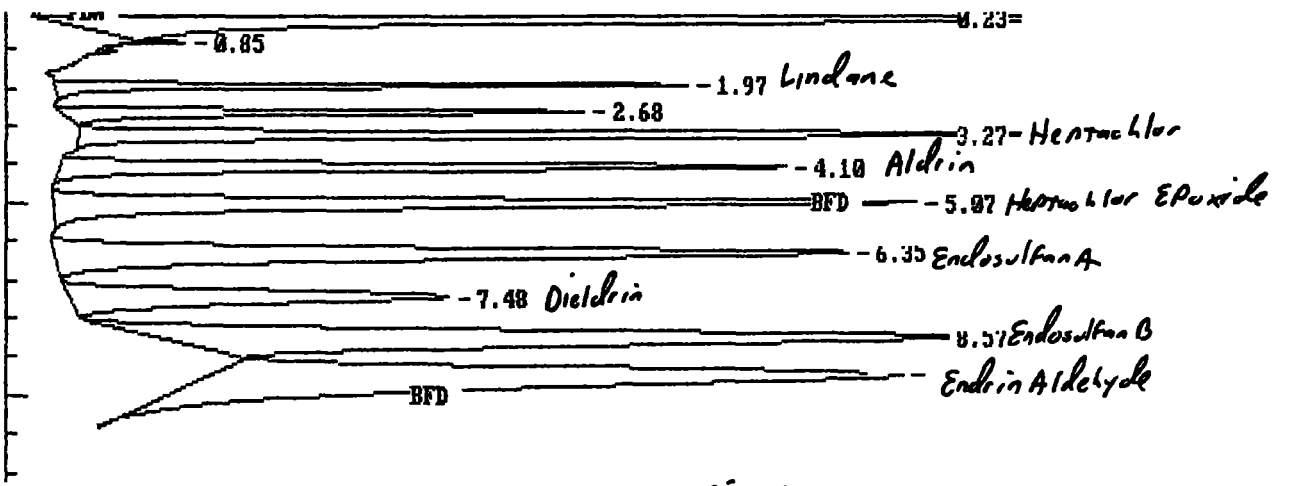
Total Area: 2061981 Area Reject: 1000 One sample per 1.000 sec.

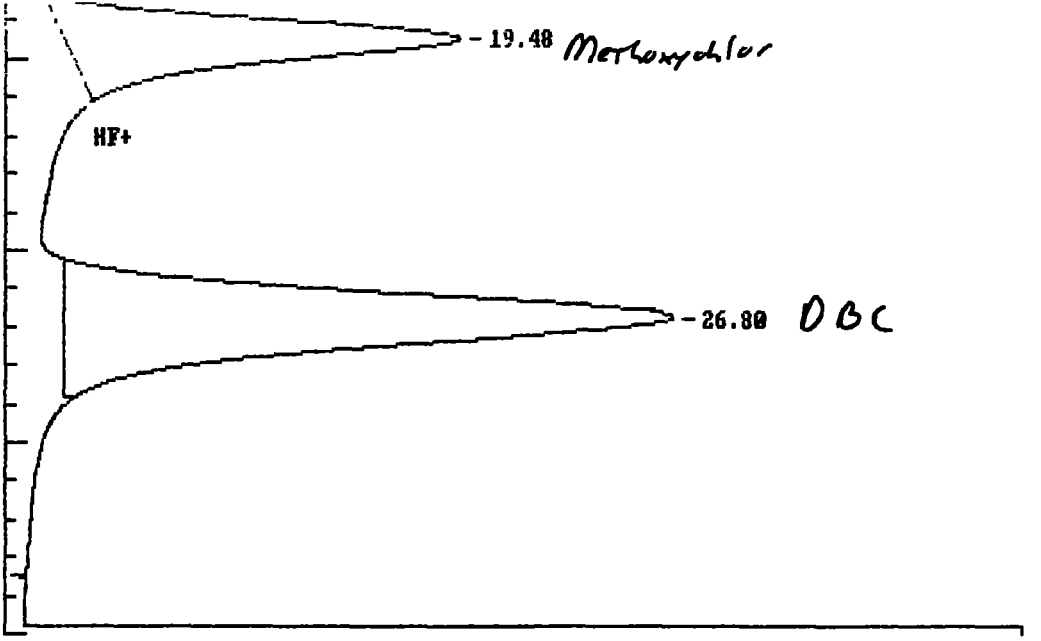
Areas, times, and heights stored in: J:AB1334.ATB

Data File = J:AB1334.PTS Printed on 05-19-1988 at 10:11:50

Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.

Full Range: 7 millivolts





02644

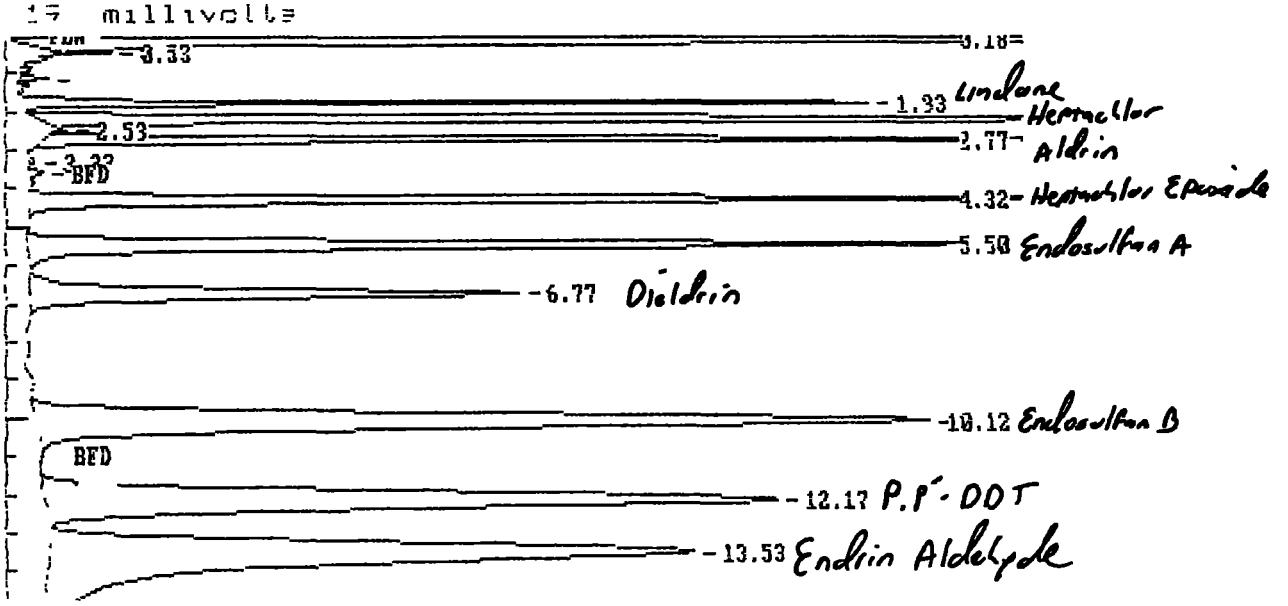
* Sample Name: INDIVIDUAL MIX A
* Date: 05-12-1988 10:22:52 Method: M:BBPI
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ
Starting Delay: 0.00 Run Time: 0.00

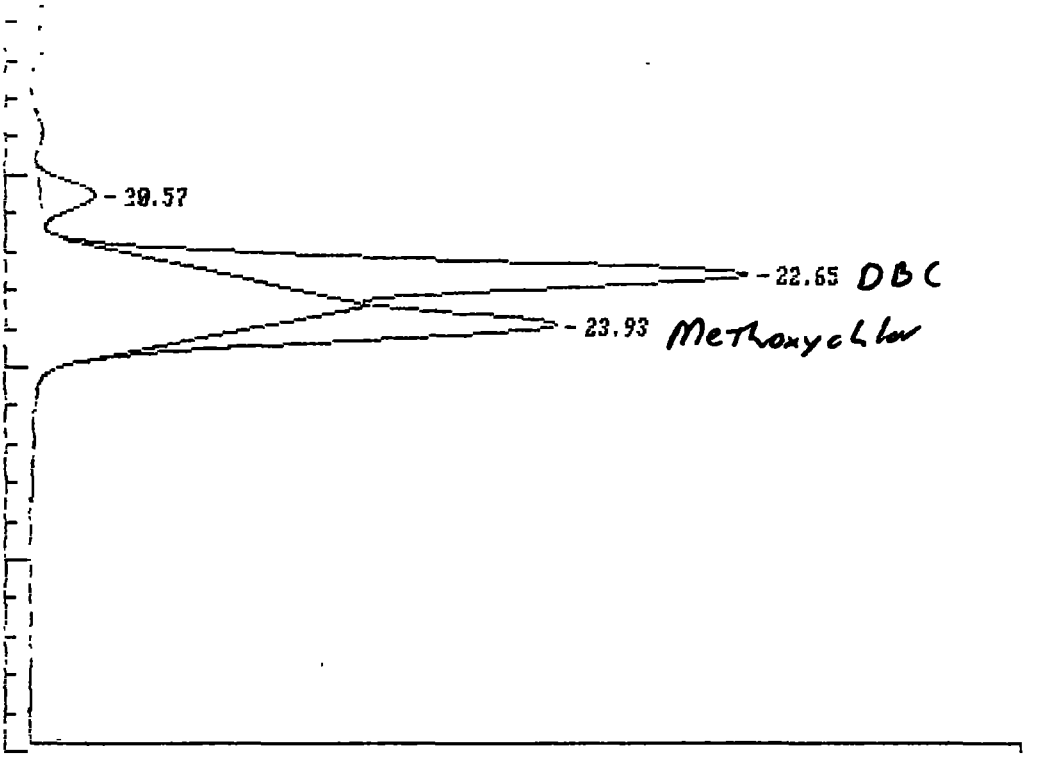
Pk No.	Ret Time	Peak Area	Area %	B L.	Peak Ht.	Normalized %	Area/ Height
1	0.18	933697	22.4320	1	219603	100.000	4.3
2	0.53	3141	0.0755	1	1349	0.376	2.0
4	1.17	2437	0.0585	1	544	0.261	4.5
6	1.83	87872	2.1111	1	15837	9.411	5.5
7	2.27	247572	5.9479	1	29324	26.515	8.7
8	2.53	1197	0.0287	1	237	0.125	5.0
9	2.77	152555	3.6651	1	20461	16.339	7.5
10	3.32	1125	0.0270	1	114	0.120	9.9
11	3.62	1893	0.0455	1	221	0.203	8.6
12	4.32	218953	5.2603	1	19165	23.450	11.4
13	5.50	250803	6.0255	1	17464	26.851	14.4
14	6.77	161907	3.8898	1	9129	17.340	17.8
15	10.12	424534	10.1994	1	16726	45.468	25.4
16	12.17	411807	9.8936	1	13716	44.105	30.0
17	13.53	508360	12.2133	1	12077	54.444	42.1
18	20.57	48978	1.1767	1	1014	5.246	48.3
19	22.65	455737	10.9491	1	9547	48.810	47.8
20	23.93	249774	6.0008	1	5473	26.753	45.6

SS
5/A/88

Total Area: 4162334 Area Reject: 1000 One sample ran 1.000 sec.

Areas, times, and heights stored in: J:BB1334.ATB
Data File = J:BB1334.PTS Printed on 05-12-1988 at 10:27:29
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




20.57
22.65 DBC
23.93 Methoxychlor

02647

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUM	PEAK AREA	AMOUNT	UNITS
001	alpha-BHC	1.650	1.650	-	12083	.0075	ug/ml
002	beta-BHC	1.787	1.793	5	14773	.0075	ug/ml
004	delta-BHC	2.050	2.054	-	25221	.0075	ug/ml
006	ALDRIN	4.100	4.100	8	58987	.0075	ug/ml
011	p,p'-DDE	7.587	7.585	10	31974	.0075	ug/ml
013	ENDRIN	8.400	8.400	11	72344	.0150	ug/ml
014	p,p'-DDD	9.650	9.650	12	107219	.0250	ug/ml
017	ENDOSULFAN SULFATE	11.187	11.187	13	144304	.0380	ug/ml
042	ENDRIN KETONE	14.450	14.450	14	146730	.0200	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUM	PEAK AREA	AMOUNT	UNITS
001	alpha BHC	1.417	1.417	7	[illegible]	[illegible]	ug/ml
002	beta-BHC	2.173	2.173	8	[illegible]	[illegible]	ug/ml
004	delta-BHC	2.500	2.500	9	170175	.0075	ug/ml
006	ALDRIN	2.767	2.767	10	[illegible]	[illegible]	ug/ml
011	p,p'-DDE	6.117	6.117	12	121154	.0075	ug/ml
013	ENDRIN	8.250	8.250	14	194=12	.0150	ug/ml
014	p,p'-DDD	10.007	10.083	15	386273	.0254	ug/ml
017	ENDOSULFAN SULFATE	16.850	16.950	17	456721	.0750	ug/ml
048	ENDRIN KETONE	22.600	22.600	19	1102714	.0200	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02649

AREA PERCENT REPORT

* 05-12-1988 11:10:36 Version 4.1 *
* Sample Name: INDIVIDUAL MIX 3 Data File: J:AB1335 *
* Date: 05-12-1988 11:10:20 Method: M:ABPI *
* Interface: 10 Cycle#: 5 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector 0: ECD Detector 1: *
* Misc. Information: 4 UL INJECTION LPT1: *

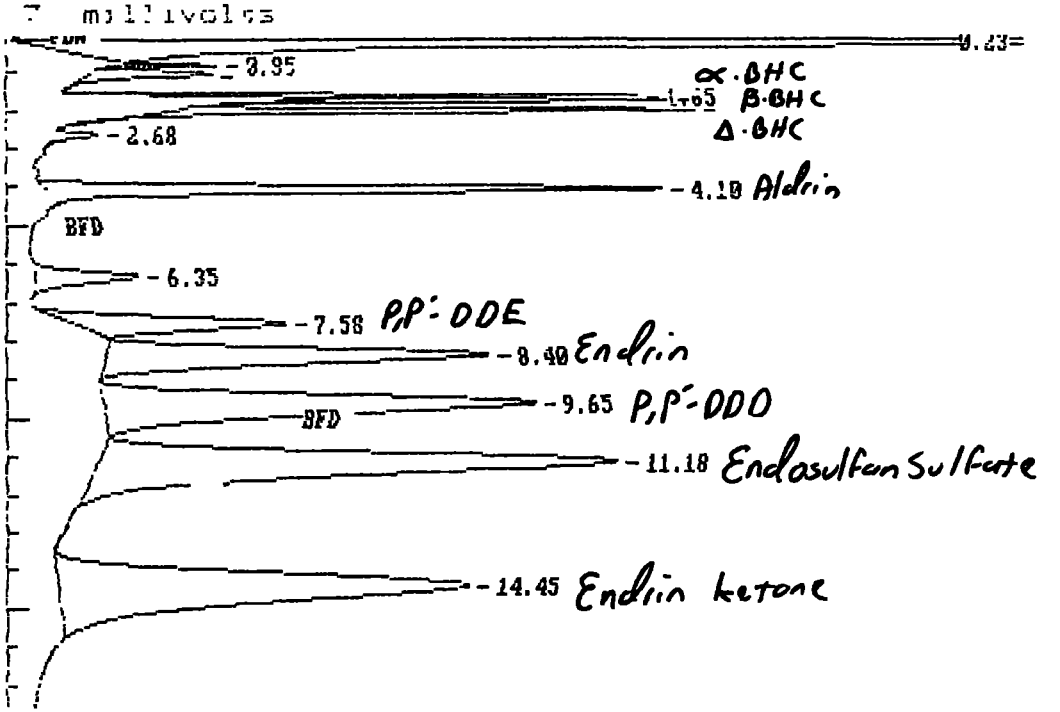
Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	464609	32.1010	1	108727	100.000	4.3
2	0.85	2385	0.1648	1	685	0.513	3.5
3	1.10	9837	0.6798	1	851	2.118	11.6
4	1.65	12083	0.8348	1	2799	2.691	4.3
5	1.78	14779	1.0210	1	2573	3.181	5.7
6	2.05	28323	1.9569	1	3706	6.096	7.6
7	2.68	2923	0.2020	1	309	0.629	9.5
8	4.10	55987	3.8683	1	4247	12.050	13.2
9	6.35	14453	0.9986	1	698	3.111	20.7
10	7.58	31974	2.2092	1	1422	6.882	22.5
11	8.40	72344	4.9981	1	2631	15.571	27.5
12	9.65	103218	7.1316	1	2968	22.216	34.8
13	11.18	144333	9.9703	1	3583	31.059	40.3
14	14.45	146230	10.1074	1	2808	31.474	52.1
15	26.78	343880	23.7600	1	3716	74.017	92.7

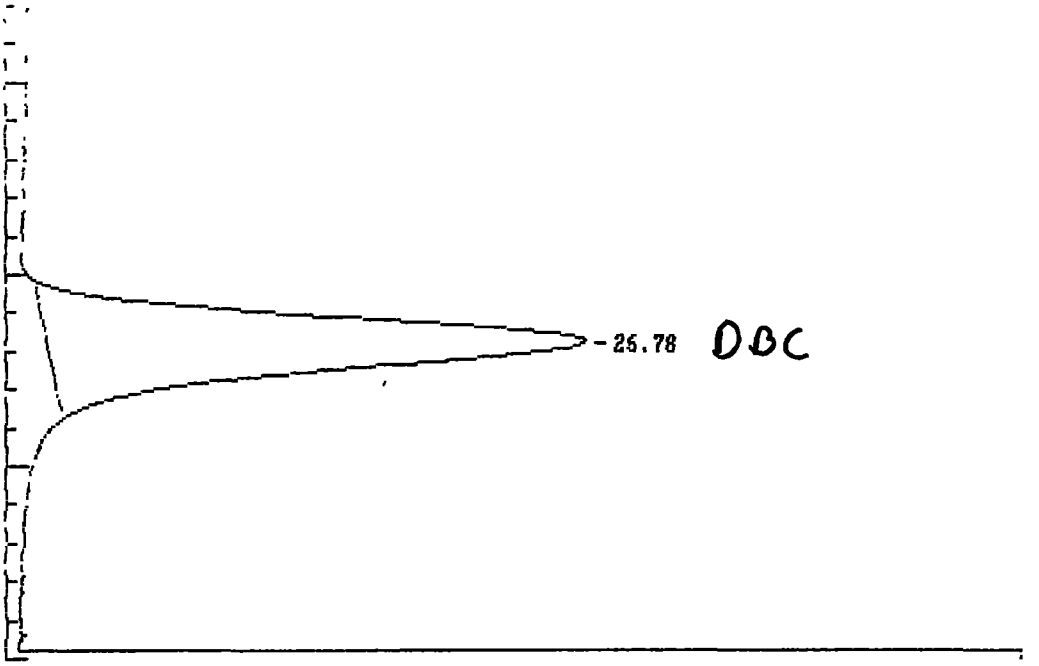
SS 5/19/88

Total Area: 1447337 Area Reject: 1000 One sample per 1.000 sec

Areas, times, and heights stored in: J:AB1335.ATB
Data File = J:AB1335.ATB Printed on 05-12-1988 at 11:11:36
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv
Full Range: 7 millivolts



02650



02651

05-12-1988 11: 4:32 Version 4.1

* Sample Name: INDIVIDUAL MIX B Data File: J:BB1335
* Date: 05-12-1988 11:04:15 Method: M:BBFI
* Interface: 12 Cycle#: 5 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5880A Column Type: 6FT x 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

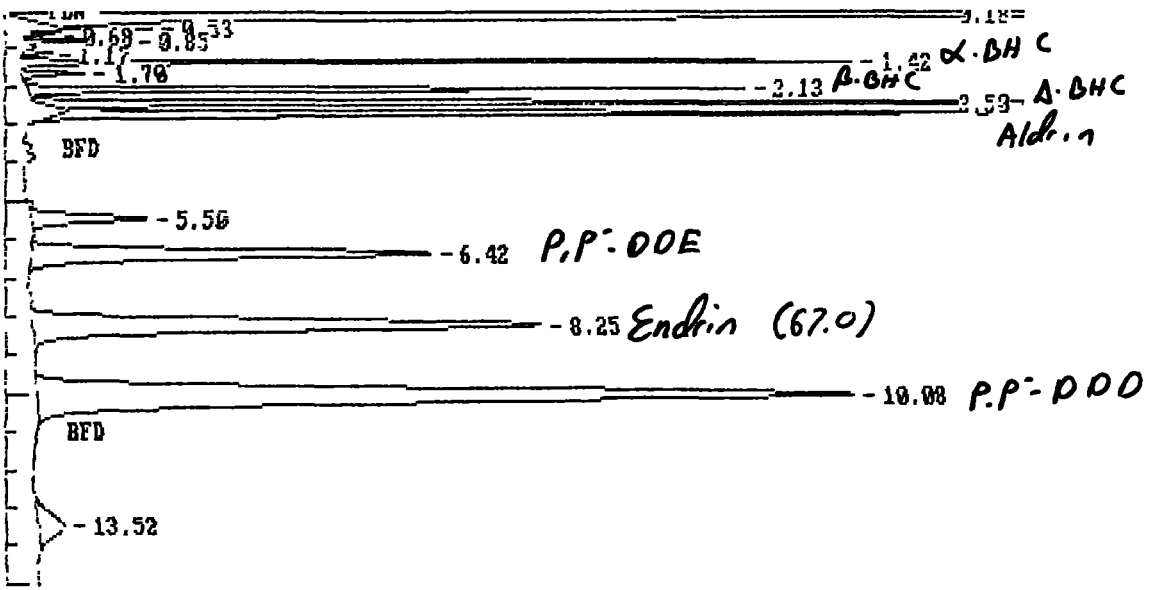
Starting Delay: 0.00 Run Time: 0.00

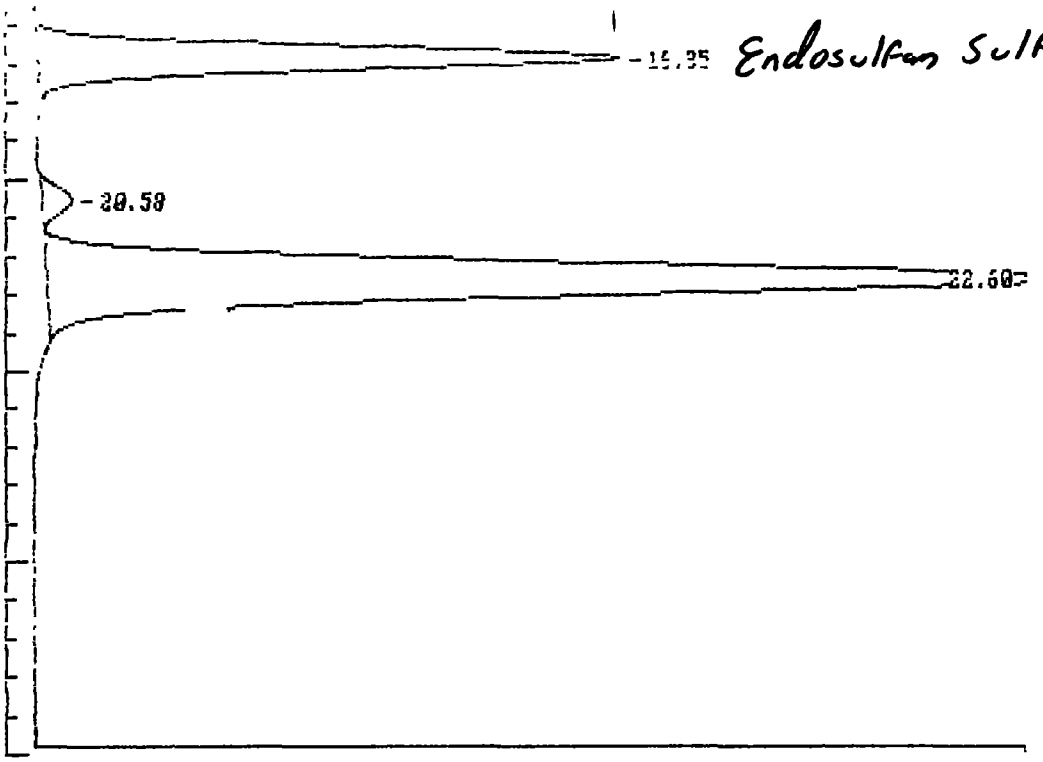
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	884768	24.3210	1	204641	80.234	4.3
2	0.53	5545	0.1524	1	1865	0.503	3.0
3	0.68	1620	0.0445	1	439	0.147	3.7
4	0.85	6416	0.1764	1	1897	0.582	3.4
5	1.17	2142	0.0589	1	505	0.194	4.2
6	1.42	66126	1.8177	1	15580	5.997	4.2
7	1.70	7899	0.2171	1	1167	0.716	6.8
8	2.13	82931	2.2797	1	13439	7.520	6.2
9	2.50	120175	3.3034	1	18766	10.858	6.4
10	2.77	125813	3.4584	1	17123	11.409	7.3
12	5.50	29895	0.8218	1	2129	2.711	14.0
13	6.42	121159	3.3305	1	7409	10.987	16.4
14	8.25	194612	5.3496	1	9494	17.648	20.5
15	10.08	386239	10.6172	1	15313	35.026	25.2
16	13.52	18994	0.5221	1	463	1.722	41.0
17	16.85	456521	12.5491	1	10838	41.399	42.1
18	20.58	24283	0.6675	1	540	2.202	45.0
19	22.60	1102774	30.3126	1	18981	100.000	58.1

SS
5/19/88

Total Area: 3637870 Area Reject: 1000 One sample per 1.000 sec.

Areas, times, and heights stored in: J:BB1335.ATB
Data File = J:BB1335.PTS Printed on 05-12-1988 at 11:05:03
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




-19.35
Endosulfan Sulfate
02652
-20.58
22.60
DBC/Endrin ketone

COLUMN 1: [illegible]
COLUMN 2: [illegible]

[illegible]

02653

LIBRARY ENTRY	COMPONENT NAME	COLUMN 1 AMOUNT	COLUMN 1 %DIFF RT	COLUMN 2 AMOUNT	COLUMN 2 %DIFF RT	COLUMN AVERAGE
002	LINDANE	.0038	.0	.0076	.0	.0057
005	HEPTACHLOR	.0082	.0	.0070	.0	NA
006	ALDRIN	.0099	.0	.0096	.0	.0099
007	HEPTACHLOR EPOXIDE	.0111	.0	.0105	.0	.0108
010	ENDOSULFAN-A	.0169	.3	.0161	.3	.0165
012	DIELDRIN	.0081	.0	.0079	.2	.0081
014	p,p'-DDD	.0480	1.0	.0297	.0	NA
015	ENDOSULFAN-B	.0262	.0	.0270	.3	.0276
016	ENDRIN ALDEHYDE	.0331	.0	.0313	.2	.0322
018	p,p'-DDT	.0267	.1	.0257	.1	.0262
019	METHOXYCHLOR	.0548	.1	.0509	.3	.0528
033	AROCLOR 1248(peak 2)	.6300	1.2	.1548	4.1	NA
038	AROCLOR 1254(peak 4)	.2776	1.6	.3643	2.8	NA
047	DBC (surrogate)	.0555	.0	.0530	.2	.0543
051	HEPTACHLOR IN TC	.1865	.5	.2544	.7	NA

NA - COLUMN AVERAGE IS NOT APPLICABLE BECAUSE THE %DIFFERENCE(AMOUNTS) > 10%

LID ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
002	LINDANE	1.967	1.967	3	35091	.0039	ug/ml
005	HEPTACHLOR	3.267	3.267	5	94487	.0082	ug/ml
006	ALDRIN	4.100	4.100	6	73771	.0095	ug/ml
007	HEPTACHLOR EPOXIDE	5.067	5.067	7	115434	.0111	ug/ml
009	alpha-CHLORDANE	6.517	6.367	8	132408	.4210	ug/ml
010	ENDOSULFAN-A	6.350	6.367	8	132408	.0169	ug/ml
011	p,p'-DDE	7.583	7.483	9	68806	.0161	ug/ml
012	DIELDRIN	7.183	7.483	9	68806	.0083	ug/ml
013	ENDRIN	8.400	8.567	10	160991	.0374	ug/ml
014	p,p'-DDD	9.650	9.550	11	198105	.0480	ug/ml
015	ENDOSULFAN-B	8.567	8.567	10	160991	.0281	ug/ml
016	ENDRIN ALDEHYDE	9.550	9.554	11	198105	.0331	ug/ml
018	p,p'-DDT	12.750	12.767	12	162347	.0267	ug/ml
019	METHOXYCHLOR	19.483	19.500	13	215803	.0548	ug/ml
022	TOXAPHENE (peak 3)	12.433	12.767	12	162347	.4771	ug/ml
033	AROCLOR 1248(peak 2)	4.050	4.100	6	73771	.6700	ug/ml
036	AROCLOR 1254(peak 2)	6.300	6.367	8	132408	.2019	ug/ml
038	AROCLOR 1254(peak 4)	9.400	9.550	11	198105	.2776	ug/ml
040	AROCLOR 1260(peak 1)	9.350	9.550	11	198105	.7352	ug/ml
047	DBC (surrogate)	26.800	26.800	14	439893	.0555	ug/ml
051	HEPTACHLOR IN TC	3.283	3.267	5	94487	.1865	ug/ml
053	CHLOROBENZILATE	9.583	9.550	11	198105	.0000	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

RESULT FILE: [illegible] [illegible] [illegible] [illegible]

02655

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
002	LINDANE	1.833	1.833	5	90404	.0036	ug/ml
005	HEPTACHLOR	2.267	2.267	6	230762	.0070	ug/ml
006	ALDRIN	2.767	2.767	7	161650	.0096	ug/ml
007	HEPTACHLOR EPOXIDE	4.317	4.317	10	229565	.0105	ug/ml
010	ENDOSULFAN-A	5.500	5.483	11	265960	.0161	ug/ml
012	DIELDRIN	6.767	6.750	12	171304	.0079	ug/ml
014	p,p'-DDD	10.083	10.083	13	458660	.0297	ug/ml
015	ENDOSULFAN-B	10.117	10.083	13	458660	.0270	ug/ml
016	ENDRIN ALDEHYDE	13.533	13.500	15	571137	.0313	ug/ml
018	p,p'-DDT	12.167	12.150	14	422594	.0257	ug/ml
019	METHOXYCHLOR	23.933	23.867	18	254310	.0509	ug/ml
020	TOXAPHENE (peak 1)	6.783	6.750	12	171304	.5724	ug/ml
021	TOXAPHENE (peak 2)	10.350	10.083	13	458660	1.0095	ug/ml
025	AROCLOR 1016(peak 3)	2.250	2.267	6	230762	.1629	ug/ml
028	AROCLOR 1232(peak 2)	2.250	2.267	6	230762	.3637	ug/ml
031	AROCLOR 1242(peak 3)	2.250	2.267	6	230762	.1979	ug/ml
032	AROCLOR 1248(peak 1)	2.250	2.267	6	230762	.2246	ug/ml
033	AROCLOR 1248(peak 2)	2.883	2.767	7	161650	.1548	ug/ml
034	AROCLOR 1248(peak 3)	4.417	4.317	10	229565	.1855	ug/ml
038	AROCLOR 1254(peak 4)	10.367	10.083	13	458660	.3644	ug/ml
039	AROCLOR 1254(peak 5)	11.867	12.150	14	422594	.2940	ug/ml
043	AROCLOR 1260(peak 4)	10.367	10.083	13	458660	.4438	ug/ml
044	AROCLOR 1260(peak 5)	11.833	12.150	14	422594	.3095	ug/ml
046	AROCLOR 1260(peak 7)	24.017	23.867	18	254310	.1022	ug/ml
047	DBC (surrogate)	22.650	22.600	17	483331	.0530	ug/ml
048	ENDRIN KETONE	22.600	22.600	17	483331	.0088	ug/ml
051	HEPTACHLOR IN TC	2.283	2.267	6	230762	.2544	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02656

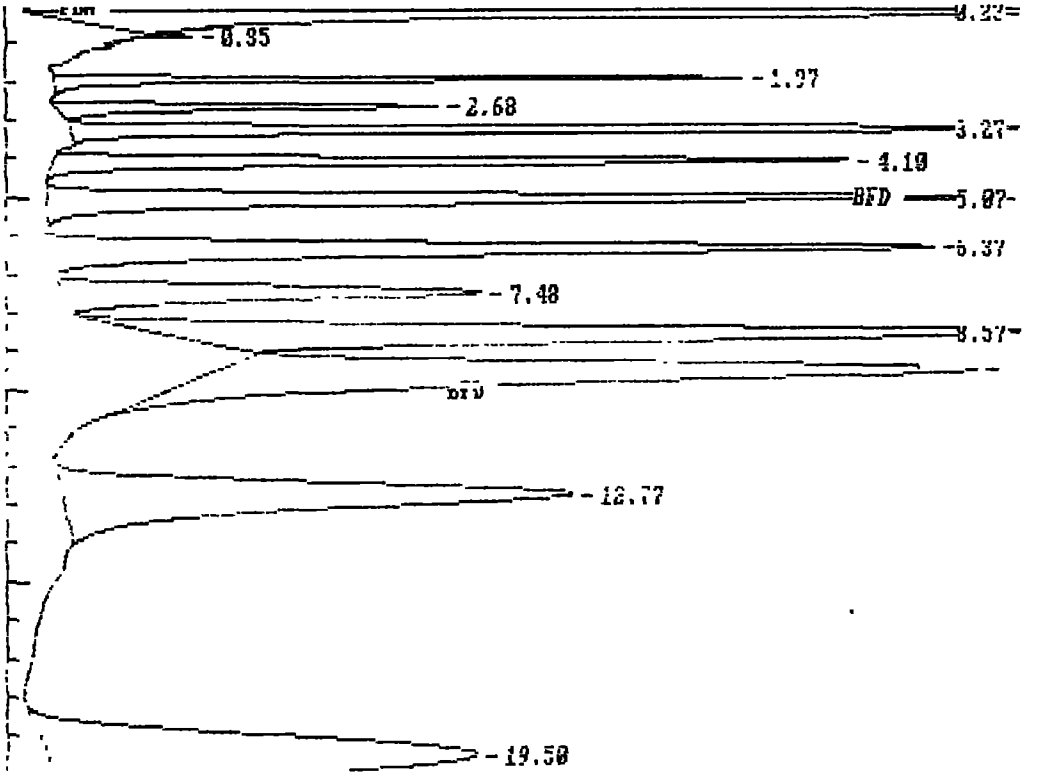
```
*****************************, 05-13-1988 08:28:33 Version 4.1 ****************************
* Sample Name: 59434 INDIVIDUAL MIX A                    Data File: J:AB13325                *
* Date: 05-13-1988 08:28:08 Method: M:ABFI                                                   *
* Interface: 10  Cycle#: 25   Operator: SS  Channel#: 0    Vial#: N/A                        *
* Starting Peak Width: 10   Threshold: 1  Area Threshold: 100                                *
*********************************************************************************************
* Instrument Type: HP 5880A                  Column Type: 6FT X 2MM ID GLASS                 *
*                Solvent Description: 1.5% SP2250/1.95% SP2401                               *
* Conditions: 190 DEGREES ISOTHERMAL                                                         *
*              Detector 0: ECD                    Detector 1:                                *
* Misc. Information: 4 UL INJECTION                          LPT1:          *               *
*********************************************************************************************
Starting Delay:    0.00                                  Run Time:    0.00
```

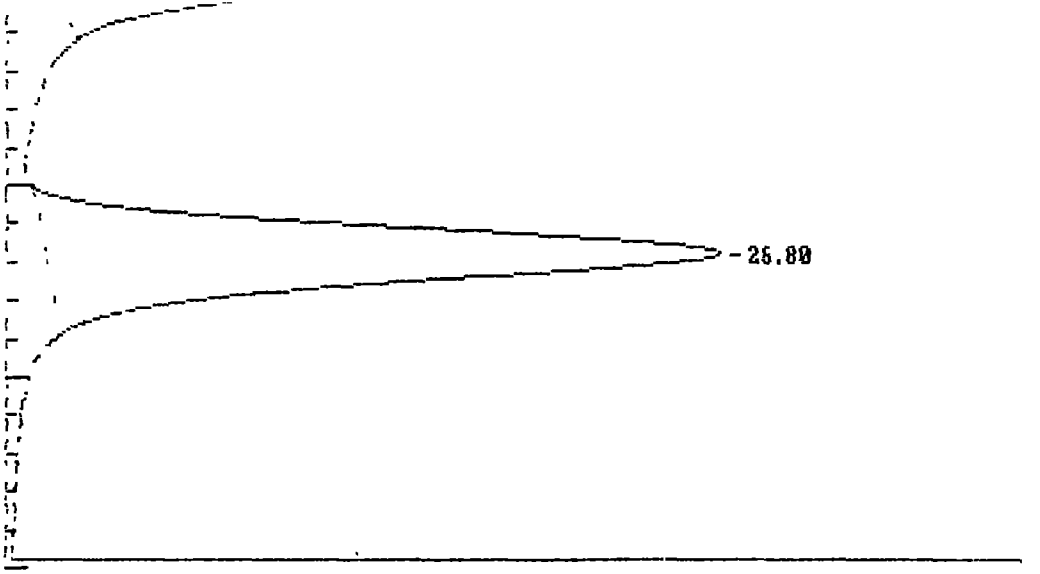
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	513232	22.9333	1	118554	100.000	4.3
2	0.85	1325	0.0592	1	357	0.259	3.7
3	1.97	35091	1.5680	1	4758	6.937	7.4
4	2.68	26200	1.1707	1	2616	5.105	10.0
5	3.27	94483	4.2220	1	8605	18.409	11.0
6	4.10	73771	3.2965	1	5521	14.374	13.4
7	5.07	115434	5.1582	1	6575	22.492	17.6
8	6.37	132408	5.9167	1	6154	25.799	21.5
9	7.48	68806	3.0746	1	2877	13.406	23.9
10	8.57	160991	7.1939	1	6125	31.368	26.3
11	9.55	198105	8.8523	1	5312	38.599	37.3
12	12.77	162347	7.2545	1	3518	31.632	46.1
13	19.50	215803	9.6432	1	2934	42.048	73.5
14	26.80	439893	19.6566	1	4651	85.710	94.6

SS
5/19/88

Total Area: 2237887 Area Reject: 1000 One sample per 1.000 sec.

Areas, times, and heights stored in: J:AB13325.ATB
Data File = J:AB13325.PTS Printed on 05-13-1988 at 08:28:52
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




25.89

AREA REPORT

02658

* Sample Name: SP134 INDIVIDUAL MIX A Data File: J:BB13325
* Date: 05-13-1988 07:27:20 Method: M:TBP1
* Interface: 12 Cycle#: 25 Operator 33 Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: 6FT x 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

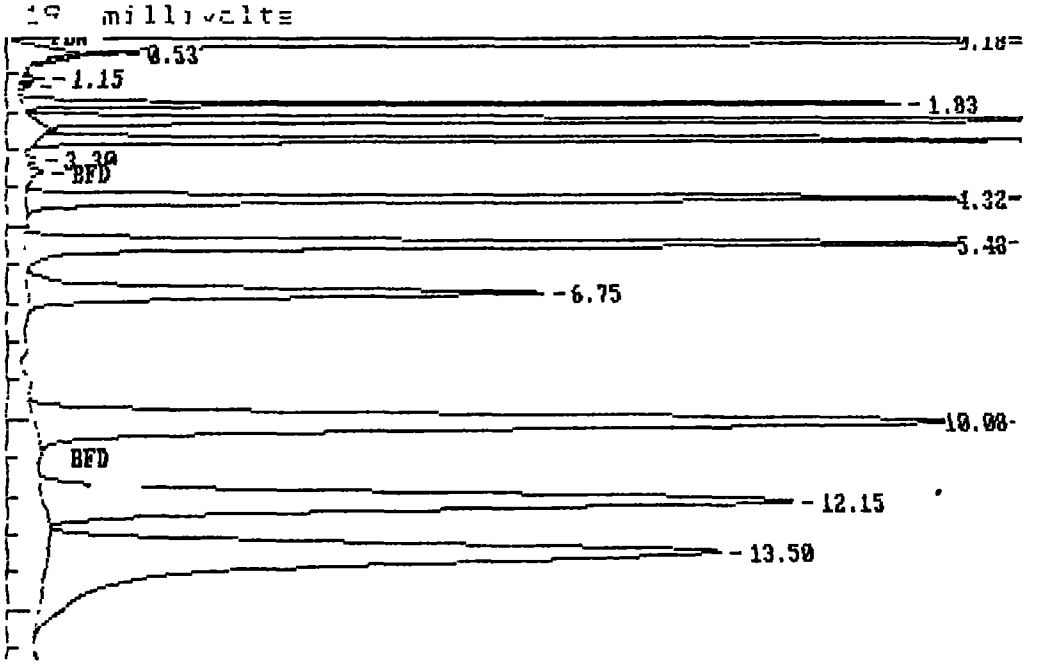
Starting Delay: 0.00 Run Time: 0.00

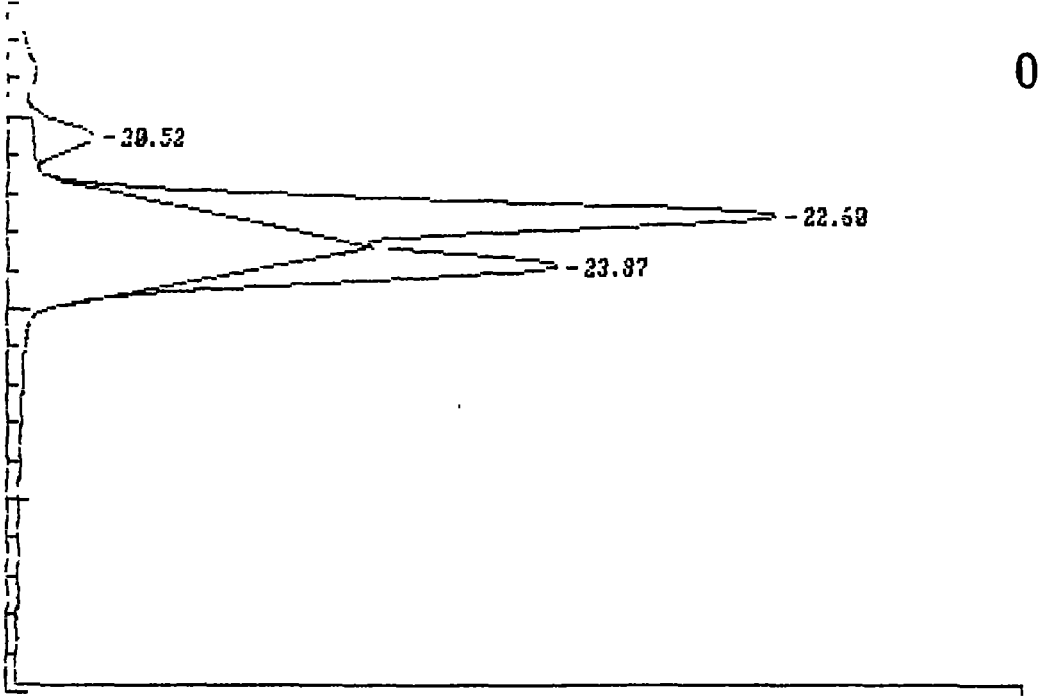
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	979178	22.5441	1	227042	100.000	4.3
2	0.53	1151	0.0265	1	734	0.118	1.6
3	1.15	1804	0.0415	1	402	0.194	4.5
4	1.33	1417	0.0326	1	205	0.145	6.9
5	1.83	90404	2.0814	1	16484	9.233	5.5
6	2.27	230762	5.3129	1	29014	23.567	8.0
7	2.77	161650	3.7217	1	21693	16.509	7.5
8	3.30	1532	0.0353	1	164	0.156	9.6
9	3.60	2260	0.0520	1	254	0.231	8.9
10	4.32	229565	5.2854	1	20214	23.445	11.4
11	5.48	268960	6.1924	1	18684	27.468	14.4
12	6.75	171304	3.9440	1	9647	17.495	17.8
13	10.08	458660	10.5599	1	18063	46.841	25.4
14	12.15	422594	9.7296	1	14070	43.158	30.0
15	13.50	531137	12.2286	1	12657	54.243	42.0
16	20.52	53374	1.2289	1	1145	5.451	48.3
17	22.60	483331	11.1280	1	10080	49.361	48.0
18	27.87	254310	5.8551	1	5512	25.972	46.1

Total Area: 4343393 Area Reject: 1000 One sample per 1.000 sec.

55
5/19/88

Areas, times, and heights stored in: J:BB13325.ATP
Data File = J:BB13325.PTS Printed on 05-17-1988 at 07:30:09
Start time: 0.30 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




-20.52
-22.59
-23.87

COLUMN 1: J:AB1[illegible] 05 13/88
COLUMN 2: J:3B1[illegible] UNITS ON AMOUNT: ug/ml

02660

LIBRARY ENTRY	COMPONENT NAME	COLUMN 1 AMOUNT	COLUMN 1 %DIFF RT	COLUMN 2 AMOUNT	COLUMN 2 %DIFF RT	COLUMN AVERAGE
001	alpha-BHC	.0040	.0	.0037	.0	.0039
003	beta-BHC	.0086	.0	.0076	.8	NA
004	delta-BHC	.0087	.0	.0080	.7	.0084
006	ALDRIN	.0086	.0	.0082	.0	.0084
010	ENDOSULFAN-A	.0023	.3	.0020	.6	NA
011	p,p'-DDE	.0084	.0	.0081	.5	.0082
013	ENDRIN	.0179	.0	.0170	.4	.0174
014	p,p'-DDD	.0279	.0	.0270	.5	.0275
015	ENDOSULFAN-B	.0151	2.0	.0246	.8	NA
016	ENDRIN ALDEHYDE	.0192	1.0	.0009	.9	NA
017	ENDOSULFAN SULFATE	.0426	.0	.0414	.4	.0420
033	AROCLOR 1248(peak 2)	.5475	1.2	.1320	4.1	NA
047	DBC (surrogate)	.0501	.1	.1268	.7	NA
048	ENDRIN KETONE	.0226	.1	.0213	.4	.0220

NA - COLUMN AVERAGE IS NOT APPLICABLE BECAUSE THE %DIFFERENCE(AMOUNTS) · 10%

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	REF. NUMB	PEAK AREA	AMOUNT	UNITS
001	alpha-BHC	1.650	1.650	5	13896	.0040	ug/ml
003	beta-BHC	1.783	1.783	6	16984	.0036	ug/ml
004	delta-BHC	2.050	2.050	7	32987	.0087	ug/ml
006	ALDRIN	4.100	4.100	9	64117	.0086	ug/ml
009	alpha-CHLORDANE	6.517	6.367	10	18380	.0585	ug/ml
010	ENDOSULFAN-A	6.350	6.367	10	18380	.0023	ug/ml
011	p,p'-DDE	7.583	7.583	11	35787	.0084	ug/ml
012	DIELDRIN	7.483	7.583	11	35787	.0043	ug/ml
013	ENDRIN	8.400	8.400	12	86451	.0179	ug/ml
014	p,p'-DDD	9.650	9.650	13	115195	.0279	ug/ml
015	ENDOSULFAN-B	8.567	8.400	12	86451	.0151	ug/ml
016	ENDRIN ALDEHYDE	9.550	9.650	13	115195	.0192	ug/ml
017	ENDOSULFAN SULFATE	11.183	11.183	14	161680	.0426	ug/ml
023	AROCLOR 1016(peak 1)	1.683	1.650	5	13896	.0877	ug/ml
026	AROCLOR 1221(peak 1)	1.683	1.650	5	13896	.0699	ug/ml
027	AROCLOR 1232(peak 1)	1.683	1.650	5	13896	.0825	ug/ml
029	AROCLOR 1242(peak 1)	1.683	1.650	5	13896	.1104	ug/ml
033	AROCLOR 1248(peak 2)	4.050	4.100	9	64117	.5475	ug/ml
036	AROCLOR 1254(peak 2)	6.300	6.367	10	18380	.0280	ug/ml
038	AROCLOR 1254(peak 4)	9.400	9.650	13	115195	.1614	ug/ml
039	AROCLOR 1254(peak 5)	11.050	11.183	14	161680	.2752	ug/ml
041	AROCLOR 1260(peak 2)	11.150	11.183	14	161680	.3397	ug/ml
047	DBC (surrogate)	26.800	26.817	16	396664	.0501	ug/ml
048	ENDRIN KETONE	14.450	14.467	15	154054	.0226	ug/ml
052	DIALLATE	1.700	1.650	5	13896	.0000	ug/ml
053	CHLOROBENZILATE	9.580	9.650	13	115195	.0000	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

RESULT FILE: 9262037 05-JUL-90 REPORT # 0262037.8

02662

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
001	alpha BHC	1.417	1.417	6	70687	.0037	ug/ml
003	beta-BHC	2.133	2.117	8	87320	.0076	ug/ml
004	delta-BHC	2.500	2.483	9	128466	.0090	ug/ml
006	ALDRIN	2.767	2.767	10	137972	.0082	ug/ml
010	ENDOSULFAN-A	5.500	5.467	12	72833	.0020	ug/ml
011	p,p'-DDE	6.417	6.383	13	130875	.0091	ug/ml
013	ENDRIN	8.250	8.217	14	220229	.0170	ug/ml
014	p,p'-DDD	10.083	10.033	15	417820	.0270	ug/ml
015	ENDOSULFAN-B	10.117	10.033	15	417820	.0246	ug/ml
016	ENDRIN ALDEHYDE	13.533	13.417	16	15821	.0005	ug/ml
017	ENDOSULFAN SULFATE	16.850	16.783	17	497618	.0414	ug/ml
021	TOXAPHENE (peak 2)	10.250	10.033	15	417820	.9196	ug/ml
024	AROCLOR 1016(peak 2)	1.483	1.700	7	4547	.0058	ug/ml
030	AROCLOR 1242(peak 2)	1.683	1.700	7	4547	.0062	ug/ml
033	AROCLOR 1248(peak 2)	2.883	2.767	10	137972	.1324	ug/ml
037	AROCLOR 1254(peak 3)	8.100	8.217	14	220229	.1463	ug/ml
043	AROCLOR 1260(peak 4)	10.367	10.033	15	417820	.4043	ug/ml
047	DBC (surrogate)	22.650	22.500	19	1173890	.1288	ug/ml
048	ENDRIN KETONE	22.600	22.500	19	1173890	.0213	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

AREA PERCENT REPORT

02663

05-13-1988 08:52:10 Version 4.1

* Sample Name: 59434 INDIVIDUAL MIX 2 Data File: J:AB13337
* Date: 05-13-1988 08:51:43 Method: M:ABPT
* Interface: 10 Cycle#: 37 Operator 93 Channel#: Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250 1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

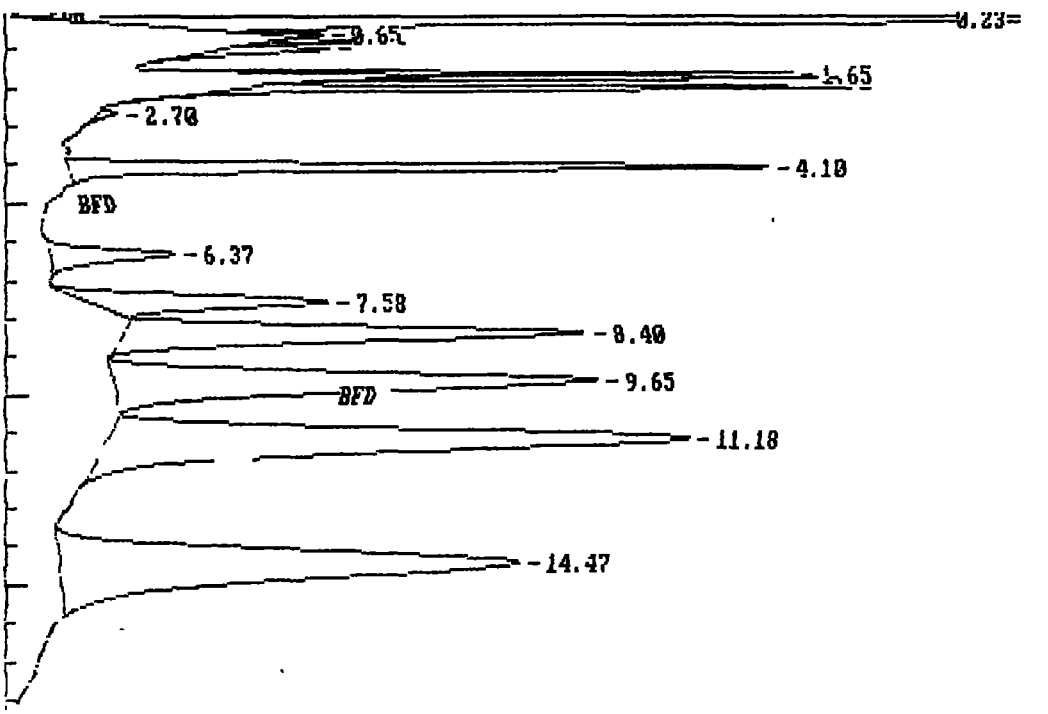
Starting Delay: 0.00 Run Time: 0.00

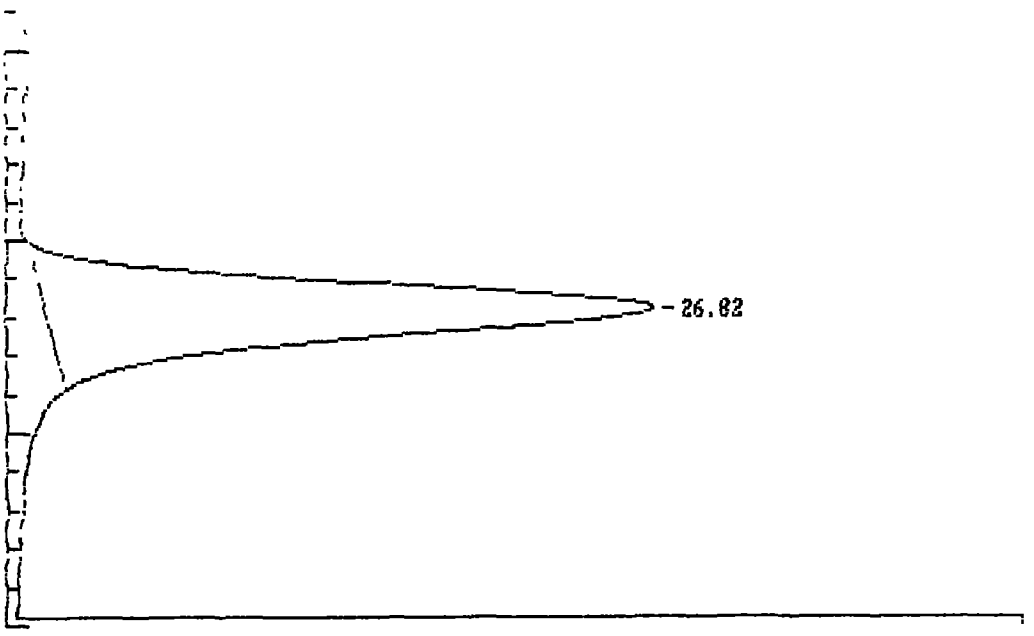
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	488601	30.3146	1	115400	100.000	4.2
2	0.65	1555	0.0965	1	348	0.318	4.5
3	0.85	4307	0.2672	1	842	0.831	5.1
4	1.02	8137	0.5048	1	728	1.665	11.2
5	1.65	13896	0.8622	1	3224	2.844	4.3
6	1.78	16984	1.0537	1	2932	3.476	5.8
7	2.05	32983	2.0464	1	4318	6.751	7.6
8	2.70	1629	0.1011	1	141	0.333	11.6
9	4.10	64113	3.9778	1	4839	13.122	13.2
10	6.37	18380	1.1404	1	851	3.762	21.6
11	7.58	35787	2.2203	1	1593	7.324	22.5
12	8.40	86451	5.3637	1	3180	17.694	27.2
13	9.65	115195	7.1471	1	3324	23.577	34.7
14	11.18	161680	10.0312	1	4015	33.090	40.3
15	14.47	165406	10.2624	1	3159	33.853	52.4
16	26.82	396664	24.6105	1	4184	81.184	94.8

Total Area: 1611766 Area Reject: 1000 One sample per 1.000 sec.

SS
5/19/88

Areas, times, and heights stored in: J:AB13337.ATB
Data File = J:AB13337.PTS Printed on 05-13-1988 at 08:52:26
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




26.82

02665

Sample Name: 50434 INDIVIDUAL MIX 5 Data File: J:BB13007
Date: 05-13-1988 08:08:04 Method: M:BBPI
Interface: 12 Cycle#: 37 Operator SS Channel#: 1 Vial#: U.A.
Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
Solvent Description: 1.5% SP2250/1.95% SP2401
Conditions: 190 DEG ISOTHERMAL
Detector 0: Detector 1: ECD
Misc. Information: 4 UL INJ

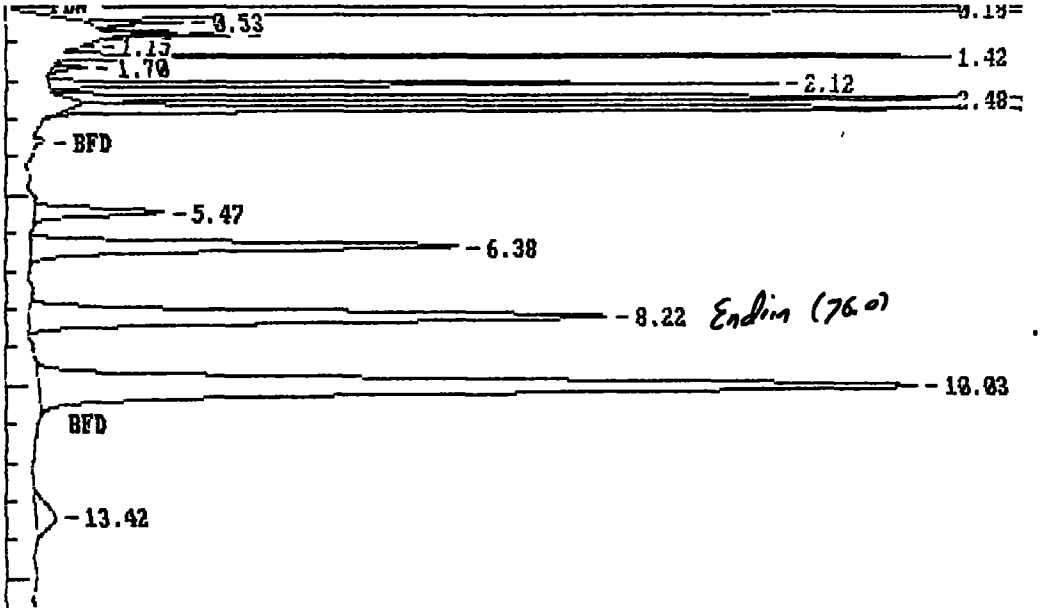
Starting Delay: 0.00 Run Time: 0 00

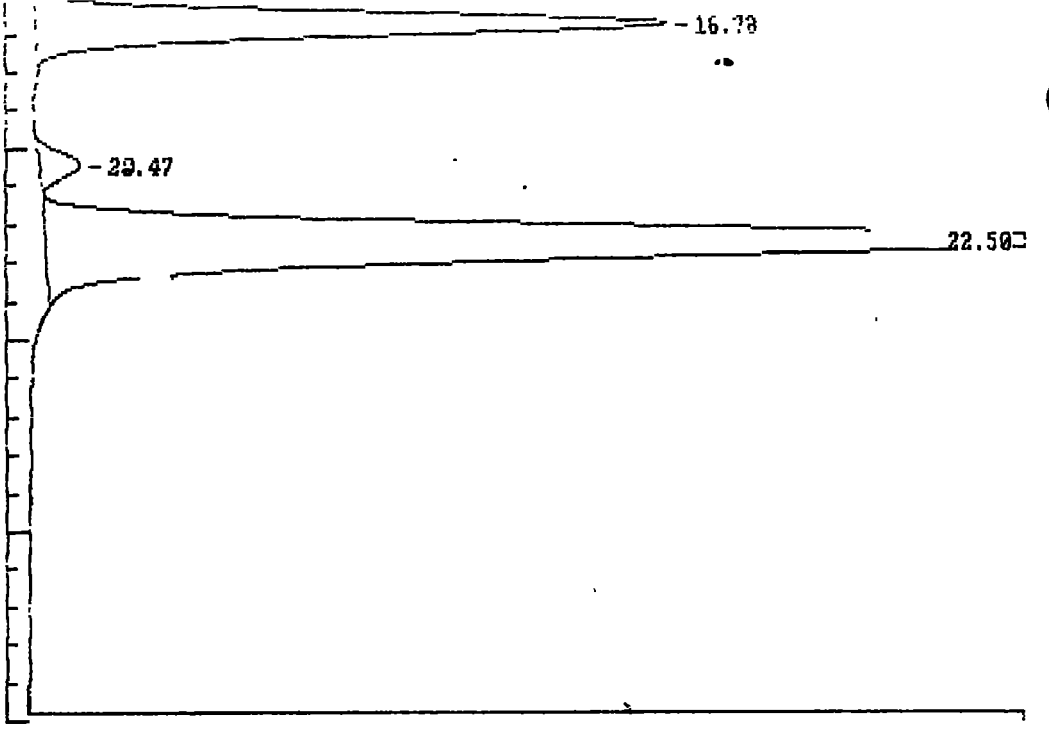
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	965781	24.5602	1	220817	83.238	4.4
2	0.53	7937	0.1994	1	1682	0.608	4.6
3	0.75	1468	0.0373	1	585	0.125	2.5
4	0.83	5240	0.1333	1	1788	0.446	2.9
5	1.15	1053	0.0268	1	276	0.099	3.8
6	1.42	70687	1.7983	1	16754	6.022	4.2
7	1.70	4547	0.1157	1	658	0.237	6.9
8	2.12	83520	2.1248	1	13670	7.115	6.1
9	2.48	128686	3.2739	1	20690	10.962	6.2
10	2.77	137872	3.5076	1	18718	11.745	7.4
11	3.60	1607	0.0409	1	190	0.137	8.4
12	5.47	32933	0.8353	1	2395	2.797	13.7
13	6.38	130875	3.3296	1	7981	11.149	16.4
14	8.22	220229	5.6028	1	10852	19.761	20.3
15	10.03	417820	10.6297	1	16517	35.593	25.3
16	13.42	15821	0.4025	1	371	1.348	42.6
17	16.78	497018	12.6446	1	11799	42.339	42.1
18	20.47	34291	0.8724	1	733	2.921	46.8
19	22.50	1173894	29.8649	1	20262	100.000	57.9

Total Area: 3930672 Area Reject: 1000 One sample per 1.000 sec.

SS 5/19/88

Areas, times, and heights stored in: J:BB13007.ATB
Data File = J:BB13007.PTS Printed on 05-13-1988 at 08:36:57
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts

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-23.47
22.50

PESTICIDE QUANTITATION STANDARDS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

02668

* = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY.

02669

LOG ENT	COMPONENT NAME	RETE[illegible] EXPECTED	MEASURED	REA NUMB	[illegible] AREA	[illegible]	[illegible]
020	TOXAPHENE (peak 1)	5.683	5.683	17	34752	[illegible]	[illegible]
021	TOXAPHENE (peak 2)	10.167	10.167	22	[illegible]	[illegible]	[illegible]
022	TOXAPHENE (peak 3)	12.450	12.450	24	[illegible]	[illegible]	[illegible]

* = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02670

* Sample Name: [illegible] Data File: J:AB1266
* Date: 05-08-1988 11:[illegible] Method: M:ABPT
* Interface: 10 Cycle: [illegible] Operator: SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: [illegible] Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5880A Column Type: 6FT = 2MM ID GLASS
* Solvent Description: 1.5% SP2250 1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

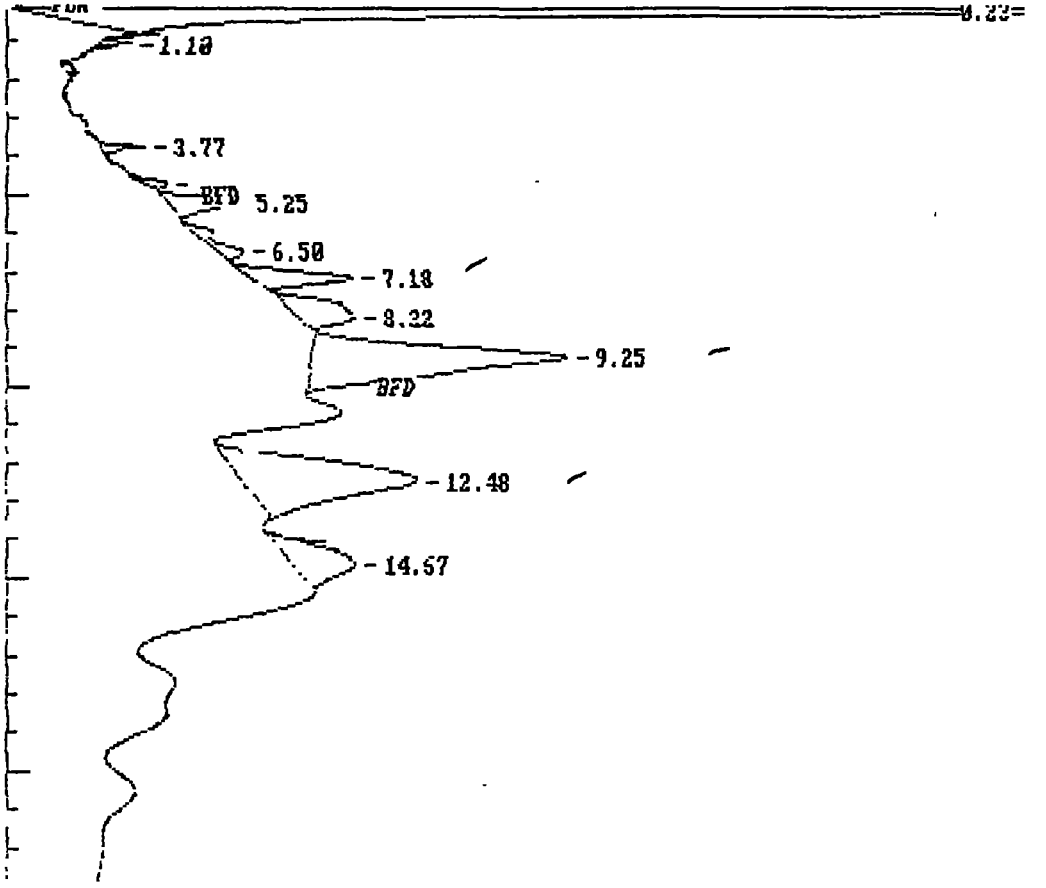
Starting Delay: 0.00 Run Time: 35.00

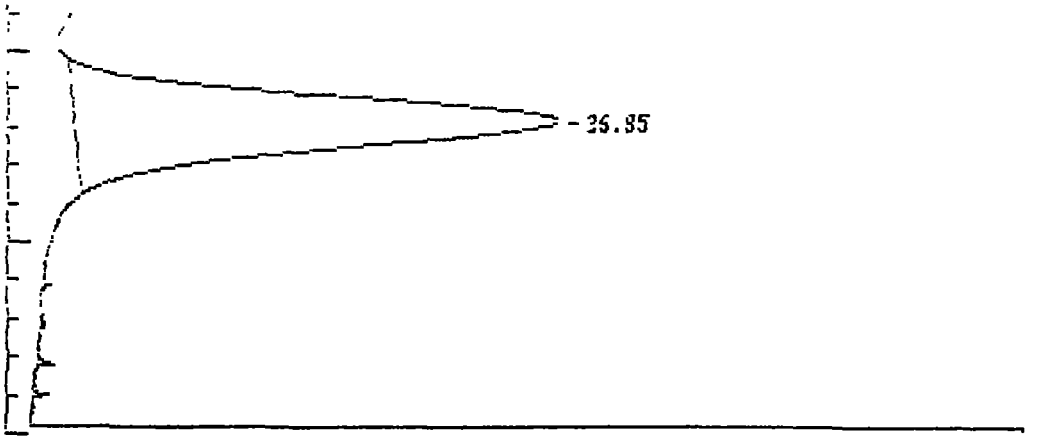
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area Height
1	0.23	486263	47.6255	1	112365	100.000	4.3
3	1.10	1271	0.1244	1	221	0.261	5.7
5	3.77	2133	0.2089	1	302	0.439	7.1
6	4.77	1602	0.1569	1	122	0.329	13.2
7	5.25	9120	0.8932	1	395	1.876	23.1
8	6.50	5331	0.5221	1	169	1.096	31.6
9	7.18	14449	1.4152	1	693	2.971	20.8
10	8.22	16109	1.5777	1	387	3.313	41.6
11	9.25	80674	7.9014	1	1781	16.591	45.3
12	12.48	73524	7.2011	1	1206	15.120	61.0
13	14.67	22374	2.1914	1	433	4.601	51.6
14	26.85	308165	30.1823	1	3326	63.374	92.7

SS
5/11/88

Total Area: 1021014 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB1266.PTS Printed on 05-08-1988 at 12:01:11
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




- 35.35

[illegible]

* Sample Name: [illegible] Data File: [illegible]
* Date: 05-06-1988 11:30:25 Method: [illegible]
* Interface: 12 Cycled: [illegible] Operator: [illegible] Channel: [illegible] Vial#: [illegible]
* Starting Peak Width: [illegible] Threshold: [illegible] Area Threshold: [illegible]

02672

* Instrument Type: HP 5880A Column Type: [illegible]
* Solvent Description: 1.5% SP2250, 1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

Starting Delay: 0.00 Run Time: 35.00

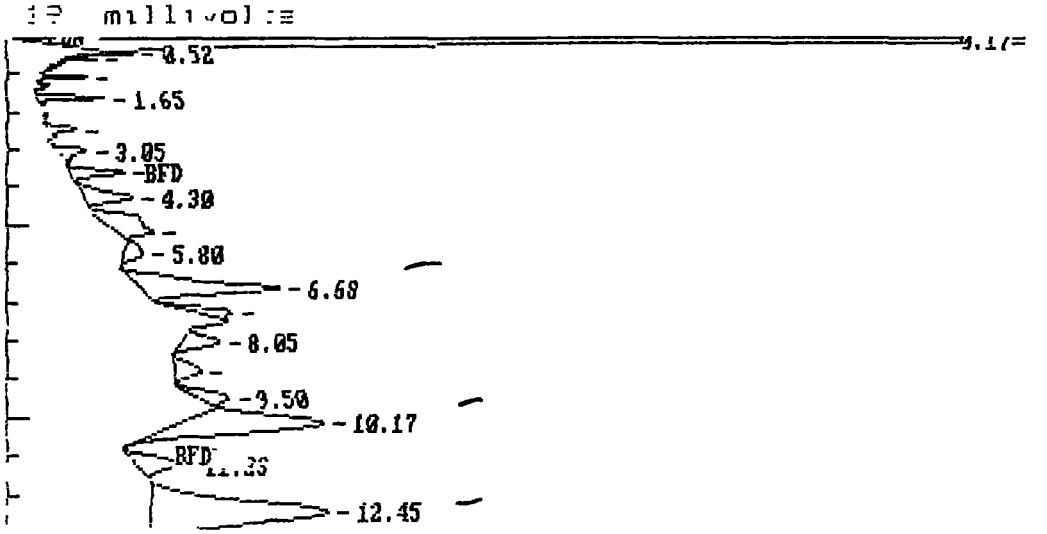
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	777371	42.2871	1	201411	100.000	3.9
2	0.52	2332	0.1269	1	736	0.700	3.2
3	0.65	2020	0.1099	1	576	0.260	3.5
5	1.12	3793	0.2063	1	891	0.468	4.3
8	1.65	8058	0.4383	1	1245	1.037	6.5
11	2.48	3984	0.2167	1	486	0.512	8.2
12	3.05	5867	0.3192	1	513	0.755	11.4
13	3.63	10716	0.5829	1	1009	1.378	10.6
14	4.30	15572	0.8471	1	877	2.003	17.8
15	5.22	23505	1.2786	1	652	3.024	36.1
16	5.80	8626	0.4692	1	369	1.110	23.4
17	6.68	54752	2.9783	1	2538	7.043	21.6
18	7.28	7693	0.4185	1	554	0.990	13.9
19	8.05	14308	0.7783	1	721	1.841	19.8
20	8.83	10382	0.5647	1	463	1.335	22.4
21	9.50	9447	0.5139	1	503	1.215	18.8
22	10.17	86970	4.7310	1	2761	11.188	31.5
23	11.23	16345	0.8891	1	720	2.103	22.7
24	12.45	131769	7.1679	1	3319	16.951	39.7
25	13.53	9488	0.5161	1	387	1.221	24.5
26	15.53	9166	0.4986	1	278	1.179	33.0
27	17.03	59135	3.2168	1	1038	7.607	57.0
28	20.27	18190	0.9895	1	420	2.340	43.3
29	22.33	548832	29.8551	1	9029	70.601	60.8

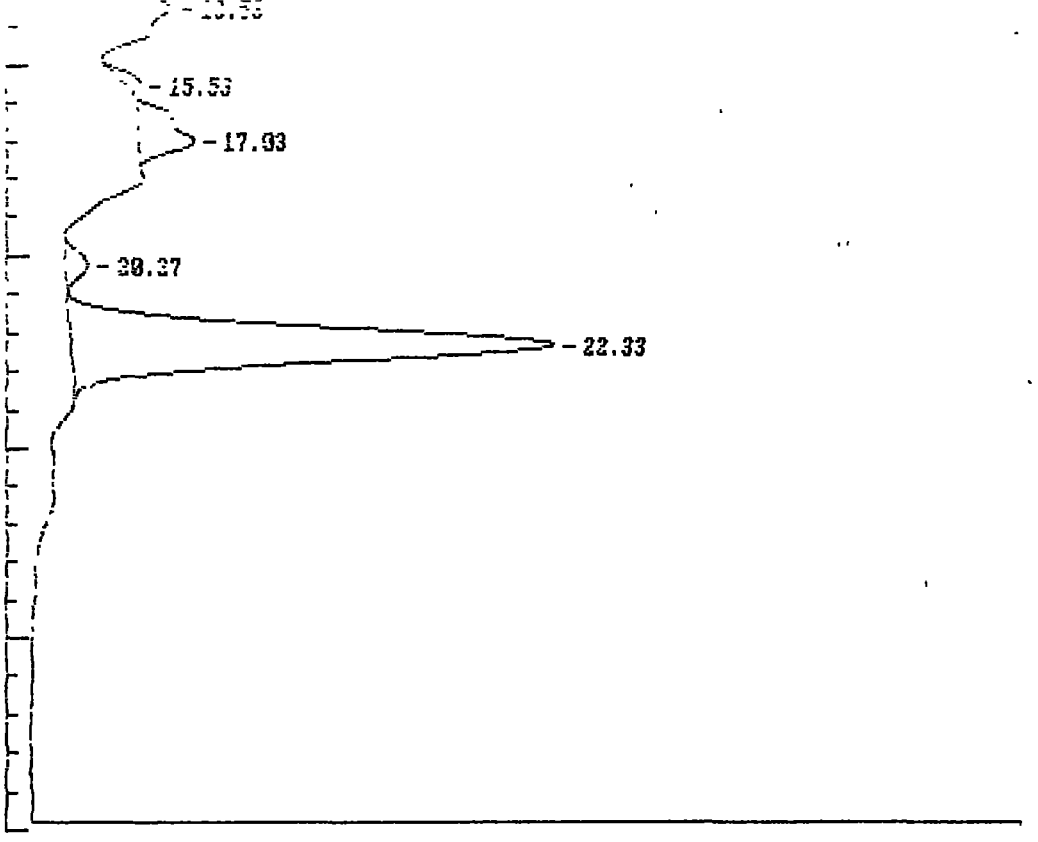
SS

5/11/88

Total Area: 1838319 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:BB1266.PTS Printed on 05-08-1988 at 12:01:05
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




15.53
17.93
20.37
22.33

LIB ENT	COMPONENT NAME	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
008	gamma-CHLORDANE	5.850	5.854	1	[illegible]	[illegible]	[illegible]
009	alpha-CHLORDANE	6.517	6.517	1	[illegible]	[illegible]	[illegible]
051	HEPTACHLOR IN TC	3.203	3.257	[illegible]	[illegible]	[illegible]	[illegible]

02674

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02675

LIT ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	[illegible] HUNG	[illegible] AREA	AMOUNT	[illegible]
008	gamma-CHLORDANE	4.733	4.733	17	85747	.0750	ug ml
009	alpha-CHLORDANE	5.200	5.200	16	72580	.0750	ug ml
061	HEPTACHLOR IN TO	2.233	2.233	10	49820	.0750	ug ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02676

* Sample Name: TECHNICAL CHLORDANE [illegible]
* Date: 05-08-1988 12:15:28 Method: M: BPT
* Interface: 10 Cycle#: 7 Operator: 83 Channel#: [illegible] Mis #: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: SPT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

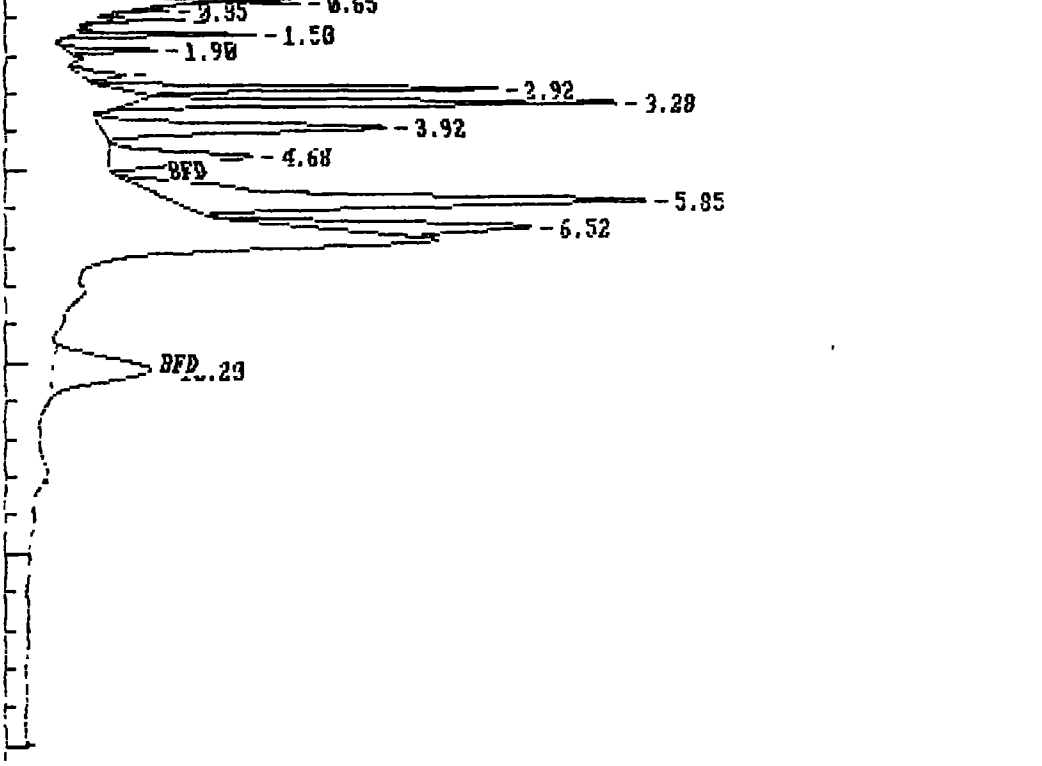
Starting Delay: 0.00 Run Time: 35.00

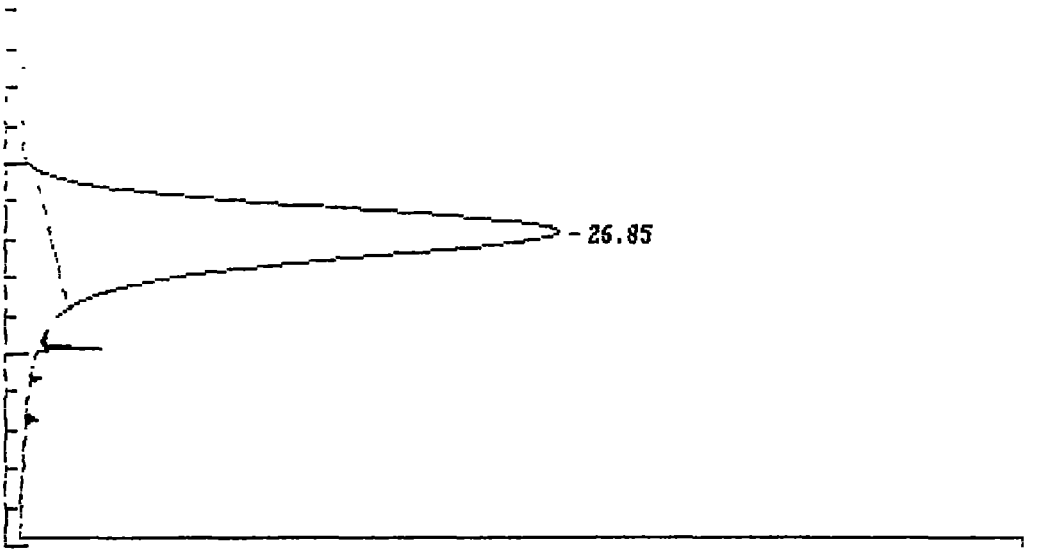
Pk No.	Ret Time	Peak Area	Area %	D L	Peak Ht.	Normalized %	Area Height
1	0.23	415063	41.5201	1	100175	100.000	4.1
2	0.65	2216	0.2217	1	728	0.534	3.0
3	0.85	1011	0.1011	1	287	0.244	3.5
4	1.10	1573	0.1573	1	557	0.379	2.8
5	1.50	6673	0.6675	1	1283	1.608	5.2
6	1.90	3692	0.3693	1	601	0.890	6.1
7	2.55	3475	0.3476	1	291	0.837	11.9
8	2.92	23387	2.3394	1	2590	5.634	9.0
9	3.28	35032	3.5044	1	3374	8.440	10.4
10	3.92	32300	3.2311	1	1963	7.782	16.5
11	4.68	20762	2.0768	1	974	5.002	21.3
12	5.85	74112	7.4137	1	3276	17.856	22.6
13	6.52	21797	2.1804	1	1433	5.251	15.2
14	10.20	27513	2.7522	1	668	6.629	41.2
15	26.85	331062	33.1172	1	3511	79.762	94.3

SS
5/11/89

Total Area: 999667 Area Reject# 1000 One sample per 1.000 sec.

Data File = J:AB1257.PTS Printed on 05-08-1988 at 12:02:26
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




- 26.85

02678

* Sample Name: TECHNICAL [illegible] Data File: [illegible]
* Date: 05-[illegible]-1988 12:11:[illegible] Method: [illegible]
* Interface: 12 Cycle#: [illegible] Operator [illegible] Channel#: [illegible]
* Starting Peak Width: [illegible] Threshold: 1 Area Threshold: [illegible]

* Instrument Type: HP 5880A Column Type: GFT x 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

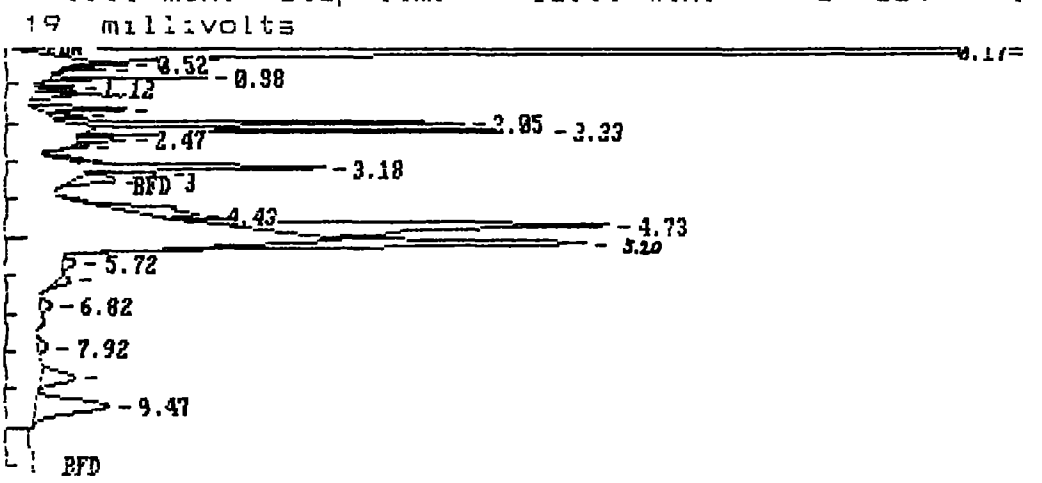
Starting Delay: 0.00 Run Time: 35.00

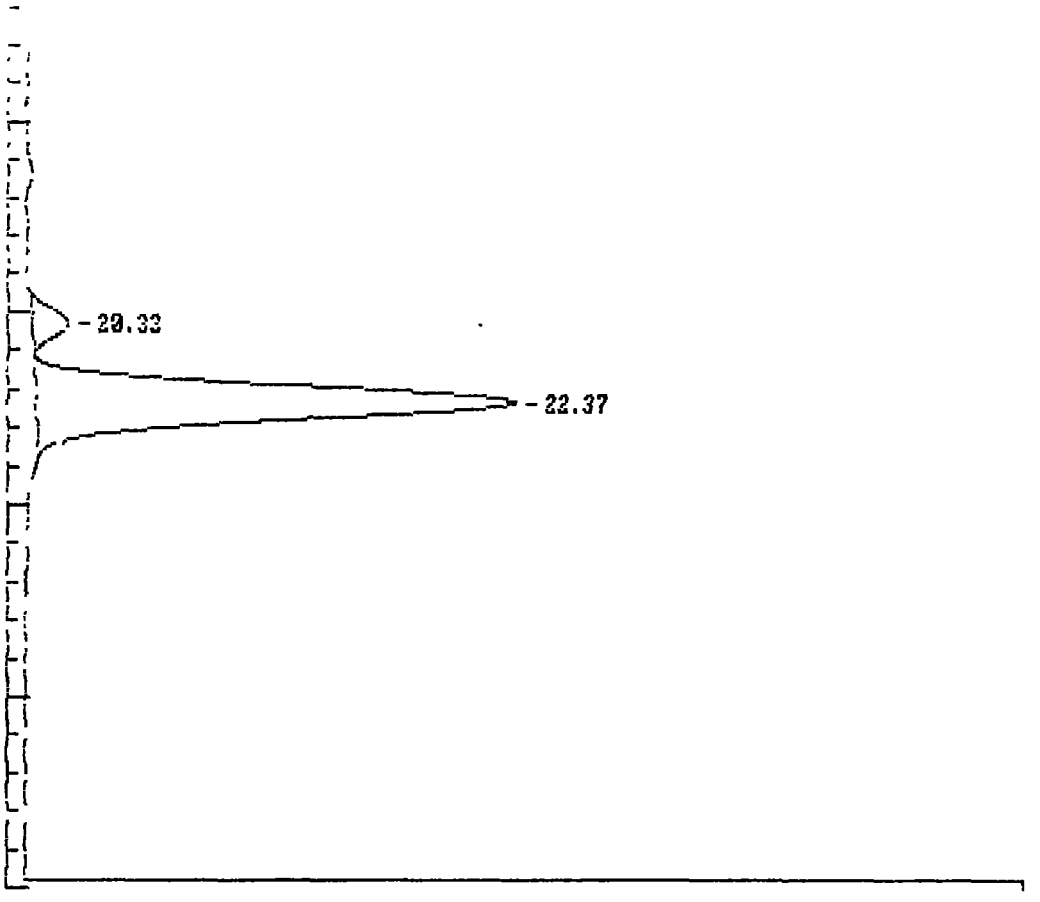
Pk. No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	726601	42.6339	1	191157	100.000	3.8
2	0.52	2332	0.1369	1	773	0.321	3.0
3	0.65	2711	0.1591	1	835	0.377	3.2
4	0.88	9644	0.5659	1	2937	1.327	3.3
5	1.12	2948	0.1730	1	734	0.405	4.0
6	1.28	8408	0.4933	1	1316	1.157	6.4
7	1.67	11065	0.6492	1	1631	1.523	6.8
8	1.95	2460	0.1443	1	612	0.339	4.0
9	2.05	39032	2.2931	1	7177	5.379	5.4
10	2.23	48620	2.8528	1	8531	6.691	5.7
11	2.47	5217	0.3061	1	893	0.718	5.8
12	2.65	2674	0.1569	1	421	0.369	6.3
13	2.98	1746	0.1024	1	253	0.240	7.0
14	3.18	35527	2.0846	1	4535	4.859	7.8
15	3.53	10505	0.6164	1	822	1.446	12.8
16	4.43	14369	0.8431	1	763	1.977	18.8
17	4.73	89347	5.2425	1	7035	12.297	12.7
18	5.20	72580	4.2587	1	6436	9.989	11.3
19	5.72	3407	0.1999	1	244	0.469	13.9
20	6.15	4770	0.2799	1	272	0.656	17.6
21	6.82	3272	0.1920	1	212	0.450	15.4
22	7.92	3267	0.1917	1	184	0.450	17.7
23	8.72	12254	0.7190	1	628	1.686	19.5
24	9.47	31938	1.8740	1	1367	4.396	23.4
25	20.32	32532	1.9098	1	684	4.477	47.6
26	22.37	527006	30.9225	1	8974	72.530	58.7

SS
5/11/88

Total Area: 1704290 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:BB1267.PTS Printed on 05-08-1988 at 12:02:26
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




20.33
22.37

02680

LIB OUT	COMPONENT NAME	RETENTION TIME CORRECTED MEASURED		PEAK NUMB	PEAK AREA	AMOUNT	UNITS
[illegible]	AROCLOR 1[illegible](peak 1)	1.687	1.687	5	12534	[illegible]	[illegible]
034	AROCLOR 1016(peak 2)	2.183	2.183	6	16659	[illegible]	[illegible]
035	AROCLOR 1016(peak 3)	2.367	2.217	9	27143	[illegible]	[illegible]
040	AROCLOR 1260(peak 1)	9.350	9.350	16	62154	[illegible]	[illegible]
041	AROCLOR 1260(peak 2	11.167	11.167	17	100976	[illegible]	ug/ml
042	AROCLOR 1260(peak 3)	12.067	12.067	18	17044	[illegible]	ug/ml
043	AROCLOR 1260(peak 4)	13.183	13.183	19	111677	[illegible]	ug/ml
044	AROCLOR 1260(peak 5)	15.283	15.283	20	101972	[illegible]	ug/ml
045	AROCLOR 1260(peak 6)	17.650	17.650	21	124615	[illegible]	ug/ml
046	AROCLOR 1260(peak 7)	21.467	21.467	22	209160	[illegible]	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02681

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	RAW NUMB	AREA	AMOUNT	UNITS
023	AROCLOR 1016(peak 1)	1.267	1.267	6	21917	.0750	ug/ml
024	AROCLOR 1016(peak 2)	1.650	1.650	8	42844	.0750	ug/ml
025	AROCLOR 1016(peak 3)	2.200	2.200	10	75511	.0750	ug/ml
040	AROCLOR 1260(peak 1)	7.483	7.483	21	149???	.2500	ug/ml
041	AROCLOR 1260(peak 2)	7.923	7.887	22	1o150?	.2500	ug/ml
042	AROCLOR 1260(peak 3)	9.067	9.067	27	257663	.2500	ug/ml
043	AROCLOR 1260(peak 4)	10.200	10.200	24	190270	.2500	ug/ml
044	AROCLOR 1260(peak 5)	11.650	11.650	25	255454	.2500	ug/ml
045	AROCLOR 1260(peak 6)	18.683	18.683	70	324987	.2500	ug/ml
046	AROCLOR 1260(peak 7	24.333	24.333	35	21?364	.2500	ug/ml

* = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02682

* Sample Name: [illegible] 0.[illegible] 0.[illegible] [illegible] File: [illegible]
* Date: 05-06-1988 12:56:49 Method: M:ABP[illegible]
* Interface: 1[illegible] Cycle#: 2 Operator SS Channel#: [illegible] Vials: [illegible]
* Starting Peak Width: [illegible] Threshold: 1 Area Threshold: 10[illegible]

* Instrument Type: HP 5880A Column Type: [illegible] X 2MM ID GLASS
* Solvent Description: 1.5% SP2[illegible]/1.75% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1: *

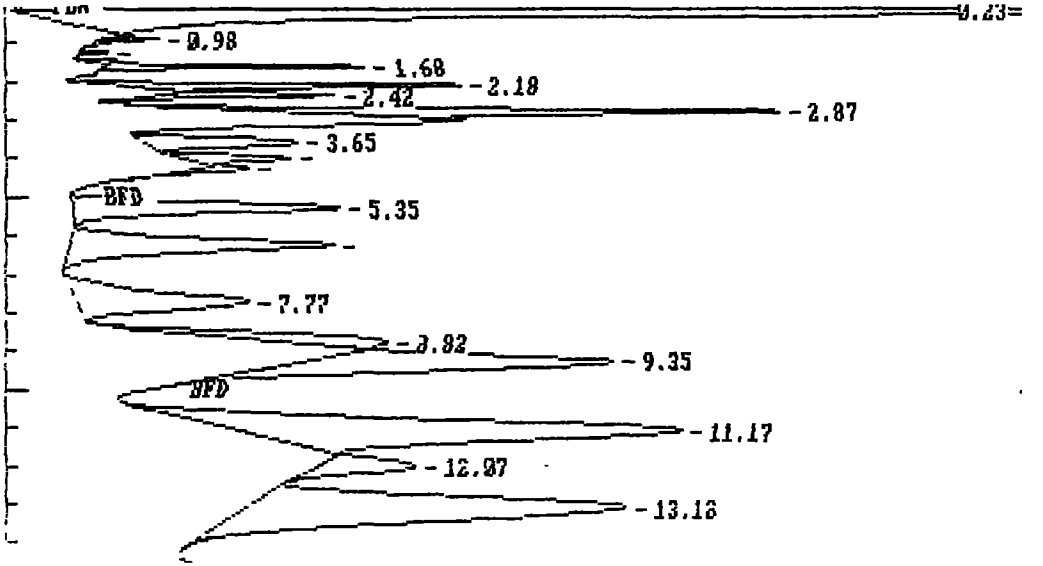
Starting Delay: 0.00 Run Time: 35.00

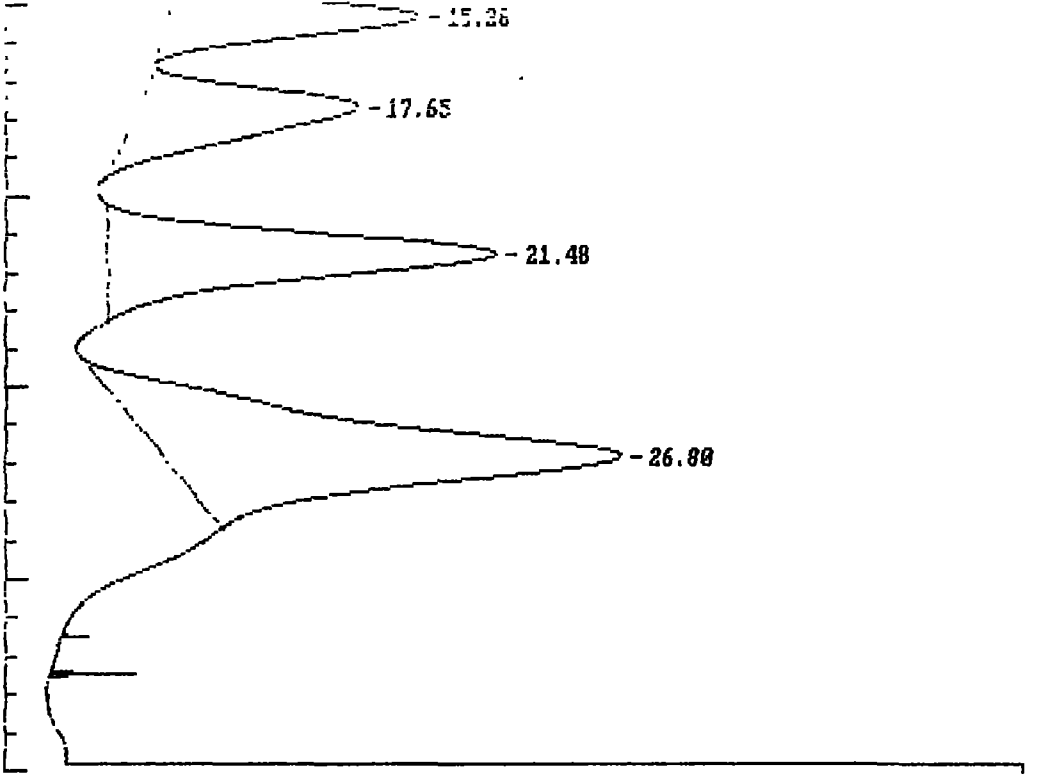
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	488695	27.1940	1	116875	100.000	4.2
2	0.98	1138	0.0633	1	394	0.233	2.9
3	1.33	1103	0.0614	1	222	0.226	5.0
5	1.68	10884	0.6057	1	1800	2.227	6.0
6	2.15	16686	0.9285	1	2269	3.414	7.4
7	2.42	8831	0.4914	1	1232	1.807	7.2
8	2.87	27140	1.5102	1	3146	5.554	8.6
9	3.65	15811	0.8798	1	1030	3.235	13.4
10	4.07	6870	0.3823	1	677	1.406	10.1
11	4.35	4829	0.2687	1	453	0.988	10.7
12	5.35	35007	1.9480	1	1827	7.163	19.2
13	6.30	43708	2.4322	1	1812	8.944	24.1
14	7.77	36991	2.0584	1	1165	7.569	31.7
15	8.82	13184	0.7336	1	517	2.698	25.5
16	9.35	62154	3.4586	1	2232	12.718	27.8
17	11.17	109976	6.1197	1	3002	22.504	36.6
18	12.07	17044	0.9484	1	684	3.488	24.9
19	13.18	111677	6.2144	1	2647	22.852	42.2
20	15.28	101972	5.6743	1	1709	20.866	59.7
21	17.65	124615	6.9341	1	1496	25.500	83.3
22	21.48	209160	11.6390	1	2670	42.800	78.3
23	26.80	349596	19.4537	1	3146	71.537	111.1

SS
5/11/88

Total Area: 1797069 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB1268.PTS Printed on 05-08-1988 at 12:03:45
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: [illegible] milli.olts





02683

02684

* Sample Name: [illegible]
* Date: 05-06-1988 12:47:11 Method: M:EBFI
* Interface: 12 Cycle#: 6 Operator: 25 Channel#: [illegible] Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

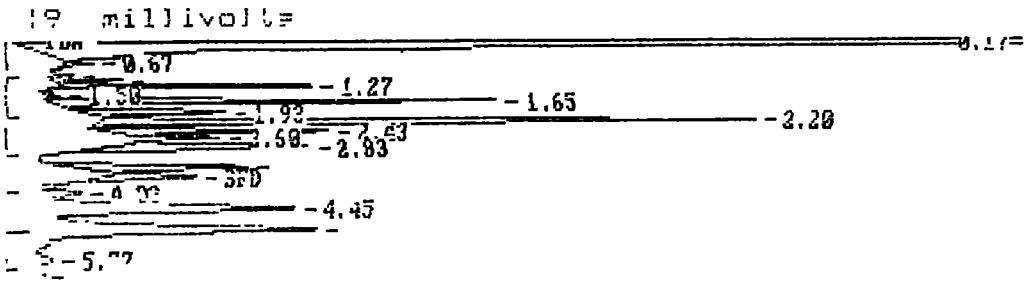
* Instrument Type: HP 5500A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.5% SP2400
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

Starting Delay: 0.00 Run Time: 35.00

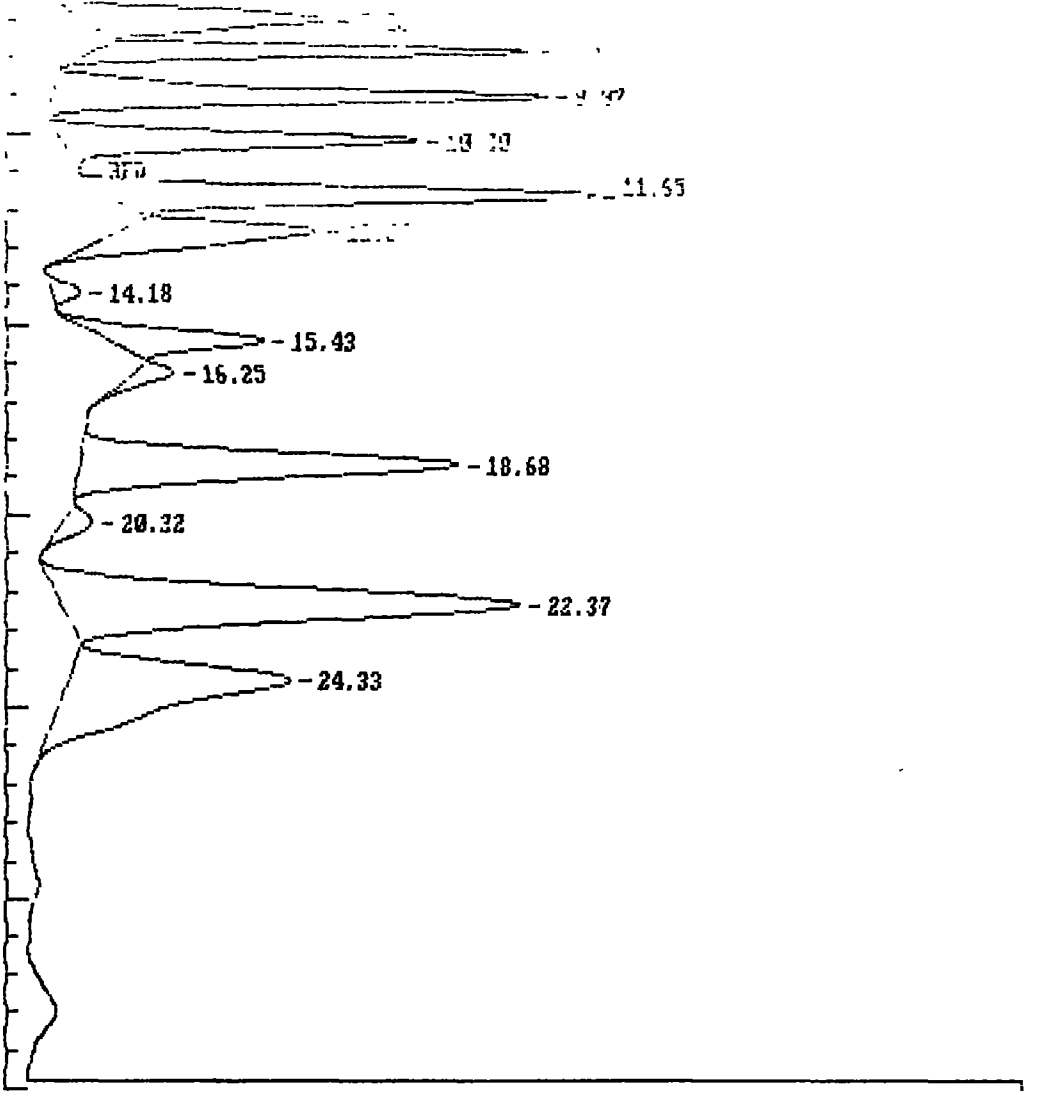
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	850946	22.9637	1	223084	100.000	3.8
2	0.67	2536	0.0684	1	555	0.298	4.6
4	0.98	1441	0.0389	1	433	0.169	3.3
5	1.10	4460	0.1204	1	1247	0.524	3.6
6	1.27	21917	0.5915	1	4841	2.576	4.5
7	1.50	1211	0.0327	1	344	0.142	3.5
8	1.65	43844	1.1833	1	8283	5.152	5.3
9	1.93	16003	0.4319	1	2480	1.881	6.5
10	2.20	75811	2.0458	1	12371	8.909	6.1
11	2.43	24122	0.6510	1	4051	2.835	6.0
12	2.60	7853	0.2119	1	1608	0.923	4.9
13	2.83	37807	1.0203	1	3890	4.443	9.7
14	3.37	24769	0.6684	1	3000	2.911	8.3
15	3.62	15860	0.4280	1	1922	1.864	8.3
16	4.03	5555	0.1499	1	650	0.653	8.5
17	4.45	54397	1.4680	1	4469	6.393	12.2
18	5.00	71259	1.9230	1	4987	8.374	14.3
19	5.77	3473	0.0937	1	294	0.409	11.8
20	6.37	6559	0.1770	1	552	0.771	11.9
21	7.08	[illegible]	4.0310	1	4538	17.554	32.9
22	7.89	[illegible]	[illegible]	1	8152	18.980	19.8
23	9.37	[illegible]	[illegible]	[illegible]	[illegible]	29.809	27.5
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.355	28.8
25	11.65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38.4
26	12.57	156659	[illegible]	1	[illegible]	[illegible]	40.6
27	14.18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	15.43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	18.68	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	20.21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	22.37	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
33	24.73	316364	[illegible]		[illegible]	[illegible]	[illegible]

Total Area: 3705615 Area Reject: [illegible] One sample per [illegible]

Data File = J:EB1268.PTS Printed on 05-08-1988 at [illegible]
Start time: 0.00 min. Stop time: 35.00 min. [illegible]
Full Range: 19 millivolts



SS
5/11/88


11.65
14.18
15.43
16.25
18.68
20.32
22.37
24.33

02686

LIC ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	[illegible]	[illegible]	[illegible]
026	AROCLOR 1221(peak 1)	1.693	1.687	6	[illegible]	.1[illegible]	[illegible]

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02687

LTD ENT	COMPONENT NAME	RETENTION TIME EXPECTED	MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
02687	AROCLOR 1221 (Real) 1	1.250	1.250	5	[illegible]	.1500	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02688

* Sample Name: AROCLOR 1221 0.05 UG ML Data File: J:AB1269
* Date: 05-06-1988 13:17:31 Method: M:APPI
* Interface: 10 Cycle#: 0 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5890A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

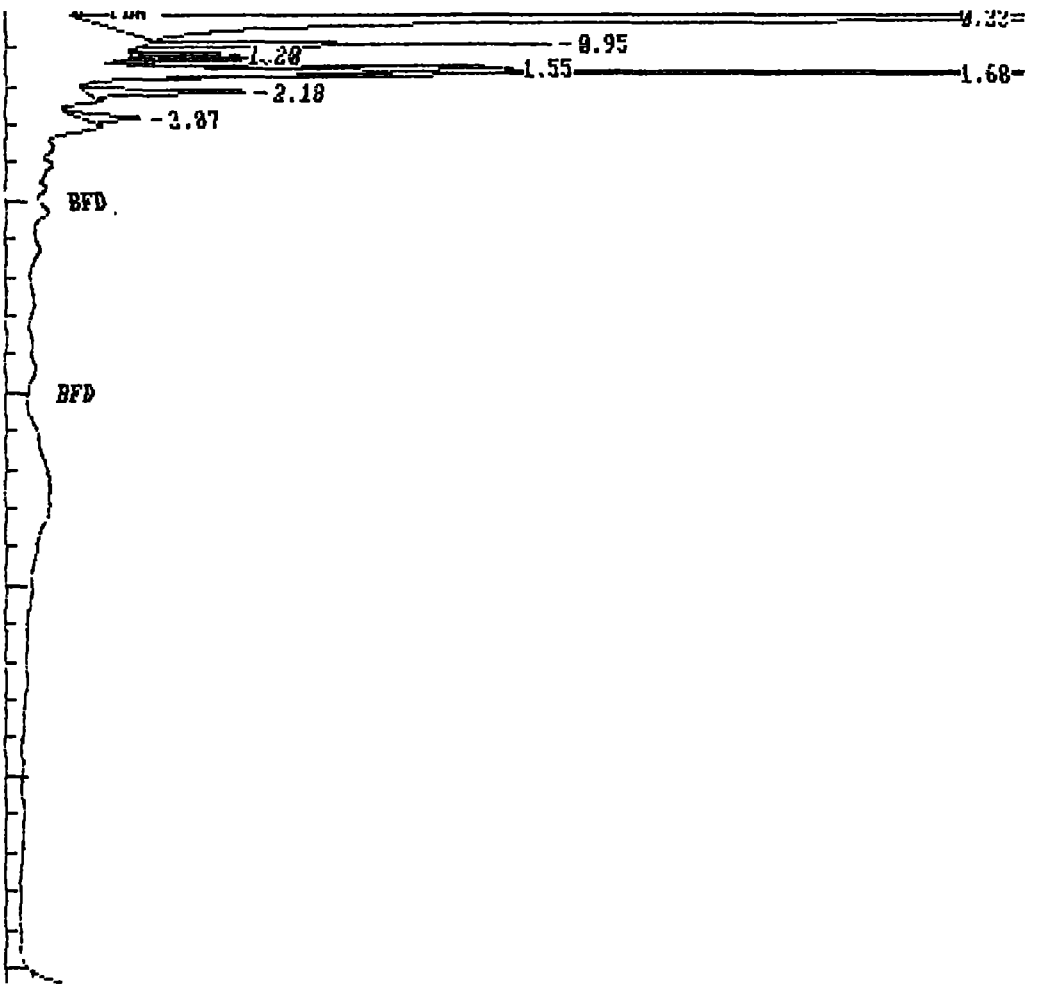
Starting Delay: 7.00 Run Time: 35.00

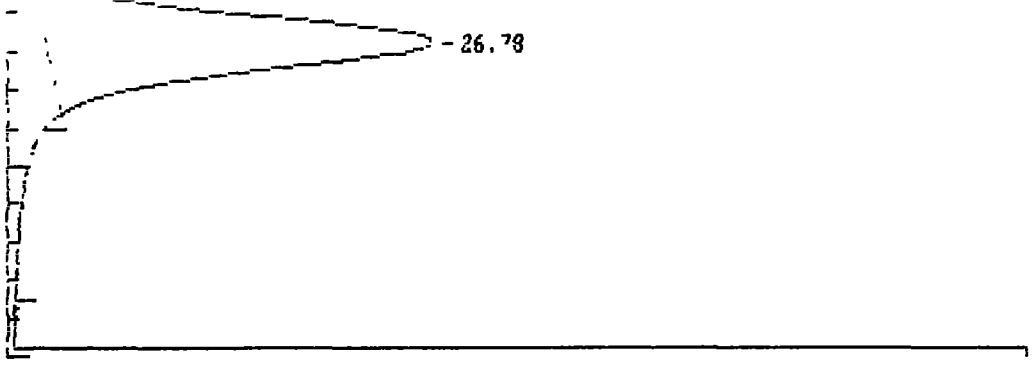
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.87	424932	57.1145	1	99206	100.000	4.3
2	0.95	11201	1.5055	1	2799	2.636	4.0
3	1.20	2424	0.3258	1	601	0.570	4.0
4	1.33	3942	0.5298	1	872	0.928	4.5
5	1.55	4098	0.5508	1	986	0.964	4.2
6	1.68	32620	4.3844	1	5419	7.677	6.0
7	2.18	8697	1.1690	1	1060	2.047	8.2
8	2.87	3355	0.4509	1	364	0.799	9.2
9	26.78	252731	33.9692	1	2644	59.476	95.6

Total Area: 743999 Area Reject: 1000 One sample per 1.000 sec.

SS
5/11/88

Data File = J:AB1269.PTS Printed on 05-08-1988 at 12:05:04
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




26.78

[illegible]

* [illegible] 05-08-1988 12:01:43 Version [illegible]
* Sample Name: ARCLOR 1221 0.15 UG/ML Data File: J:BB1269
* Date: 05-08-1988 12:35:39 Method: M:BBFI
* Interface: 12 Cycle#: 0 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

02690

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

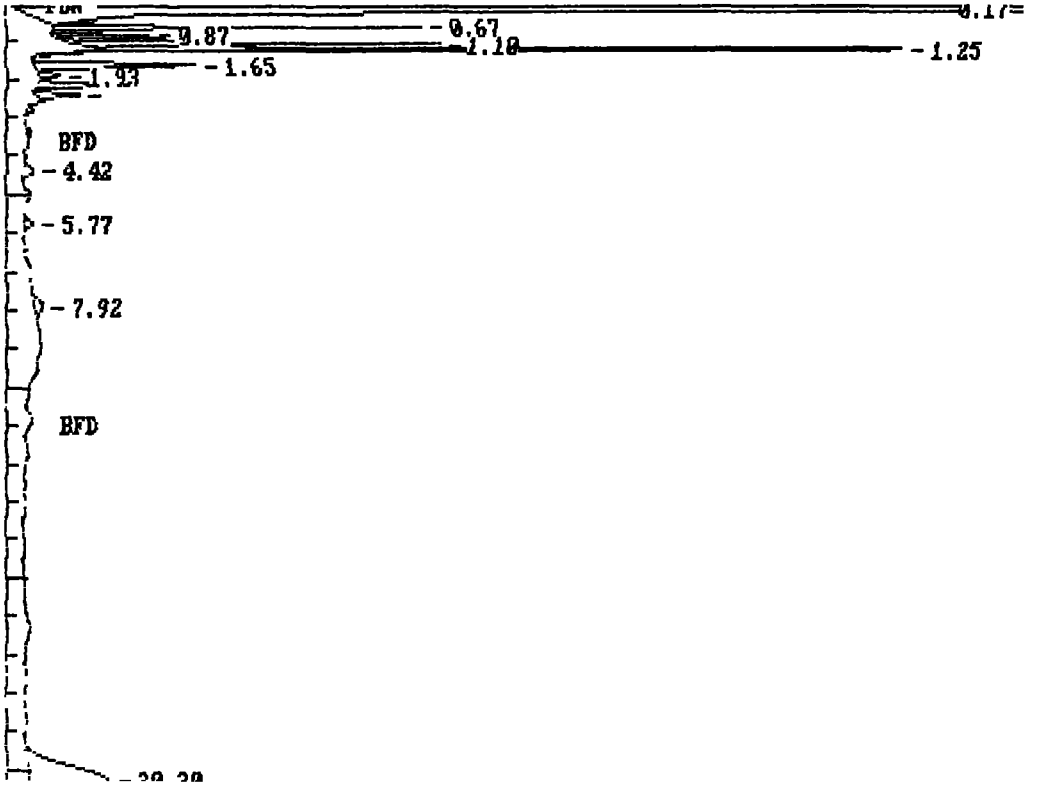
Starting Delay: 0.00 Run Time: 35.00

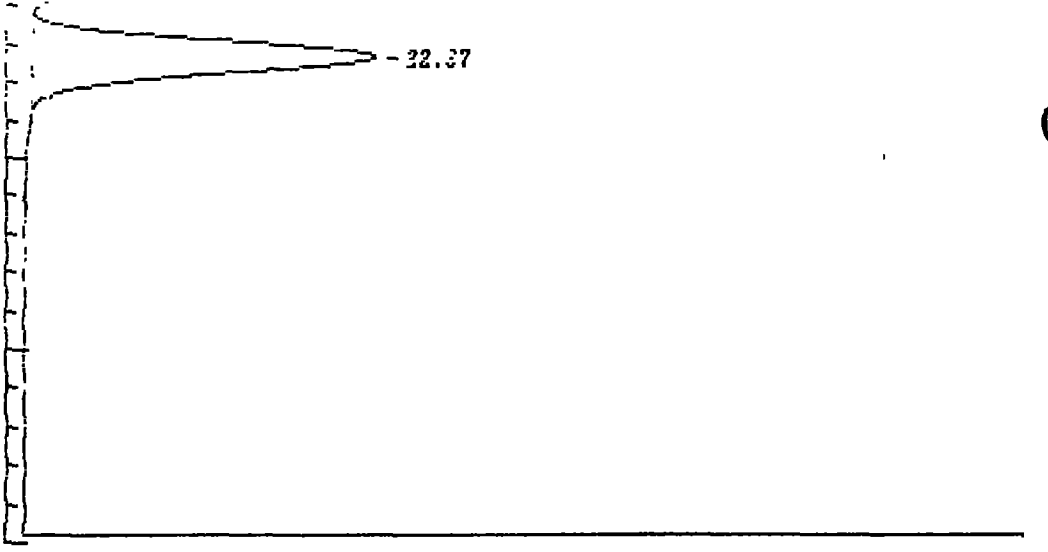
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	735441	54.0814	1	193862	100.000	3.8
2	0.67	20780	1.5280	1	6862	2.825	3.0
3	0.87	5287	0.3888	1	1793	0.719	2.9
4	0.98	5737	0.4219	1	1850	0.780	3.1
5	1.10	22317	1.6411	1	6531	3.034	3.4
6	1.25	74703	5.4934	1	15437	10.158	4.8
7	1.65	24295	1.7865	1	3005	3.303	8.1
8	1.93	2233	0.1642	1	381	0.304	5.9
9	2.20	9330	0.6861	1	1465	1.269	6.4
10	2.43	5310	0.3905	1	786	0.722	6.8
13	4.42	2473	0.1819	1	167	0.336	14.8
14	5.77	2140	0.1574	1	156	0.291	13.7
15	7.92	2726	0.2005	1	138	0.371	19.9
16	20.30	73717	5.4208	1	1466	10.024	50.3
17	22.37	373391	27.4577	1	6406	50.771	58.3

SS
5/11/88

Total Area: 1359879 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:BB1269.PTS Printed on 05-08-1988 at 12:05:10
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




22.37

02692

LID ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
027	AROCLOR 1242(peak 1)	1.621	1.621	6	22351	.1540	ug/l
028	AROCLOR 1232(peak 2)	2.867	2.867	9	21[illegible]	.1503	ug/l

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02693

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	REA NUMB	[illegible]	AMOUNT	UNITS
027	APOCLOR 1232(peak 1)	1.250	1.250	[illegible]	[illegible]	[illegible]	[illegible]
028	APOCLOR 1232(peak 2)	2.200	2.200	[illegible]	[illegible]	[illegible]	[illegible]

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02694

05-08-1988 12:05:51 Version 1.1

* Sample Name: AROCLOR 1232 0.15 NG/ML Data File: J:AB12610
* Date: 05-06-1988 11:22:04 Method: M:APPI
* Interface: 13 Cycle#: 10 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5890A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

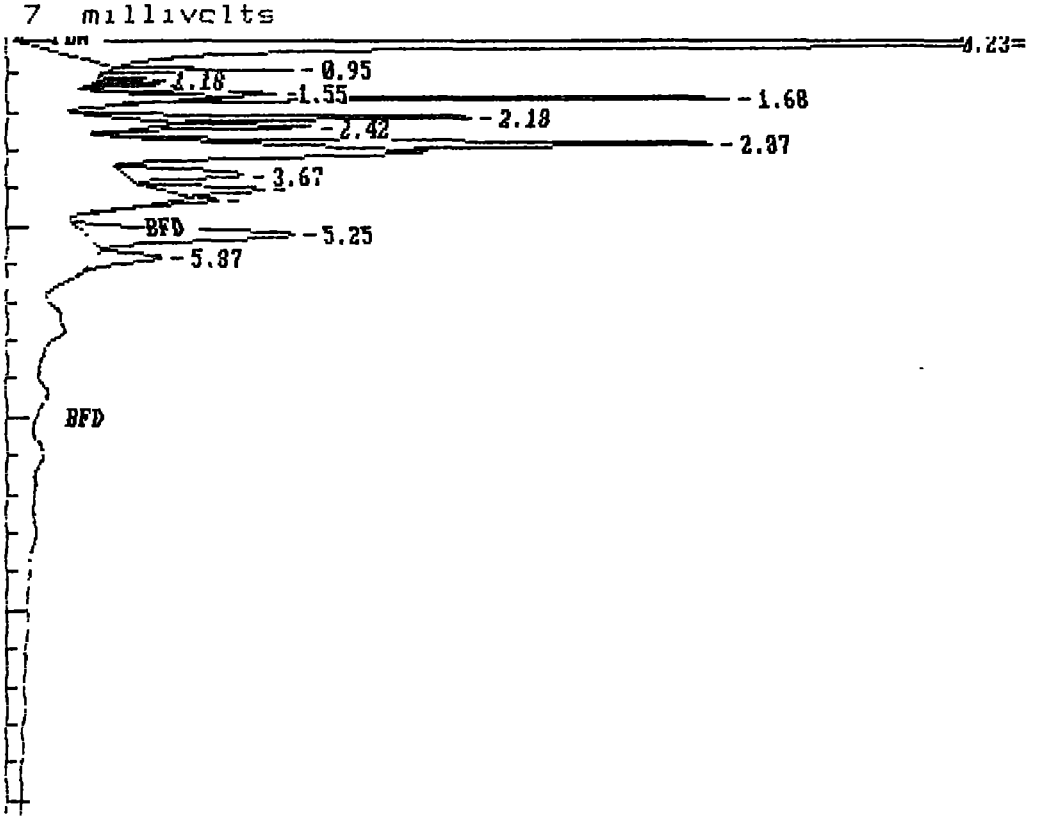
Starting Delay: 0.00 Run Time: 35.00

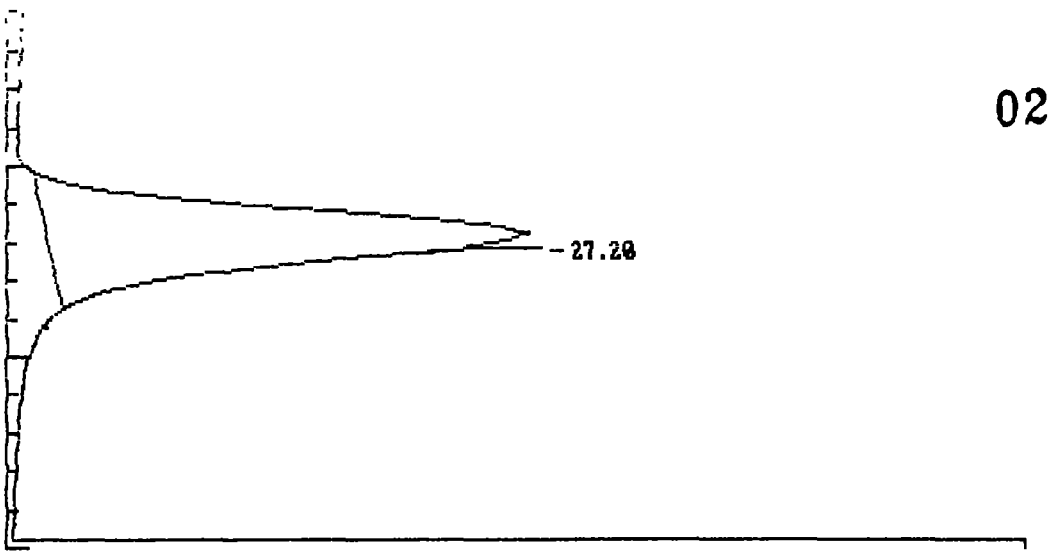
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	450057	49.8578	1	107886	100.000	4.3
2	0.95	4835	0.5356	1	1254	1.074	3.9
3	1.18	1389	0.1539	1	323	0.309	4.3
4	1.33	2209	0.2447	1	489	0.491	4.5
5	1.55	1959	0.2170	1	463	0.435	4.2
6	1.68	22355	2.4765	1	3708	4.967	6.0
7	2.18	17652	1.9555	1	2351	3.922	7.5
8	2.42	7983	0.8844	1	1122	1.774	7.1
9	2.87	24606	2.7259	1	2847	5.467	8.6
10	3.67	11775	1.3044	1	792	2.616	14.9
11	4.07	6847	0.7585	1	657	1.521	10.4
12	4.33	4051	0.4488	1	331	0.900	12.2
13	5.25	29082	3.2217	1	1408	6.462	20.7
14	5.87	8124	0.9000	1	469	1.805	17.3
15	27.20	309758	34.3153	1	3390	68.826	91.4

Total Area: 902682 Area Reject: 1000 One sample per 1.000 sec.

SS 5/11/88

Data File = J:AB12610.PTS Printed on 05-08-1988 at 12:06:17
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




27.20

02696

* Sample Name: AROCLOR 1232 3.15 UG/ML Data File: J:BB12610
* Date: 05-06-1988 14:25:34 Method: M:DBPI
* Interface: 12 Cycle#: 10 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

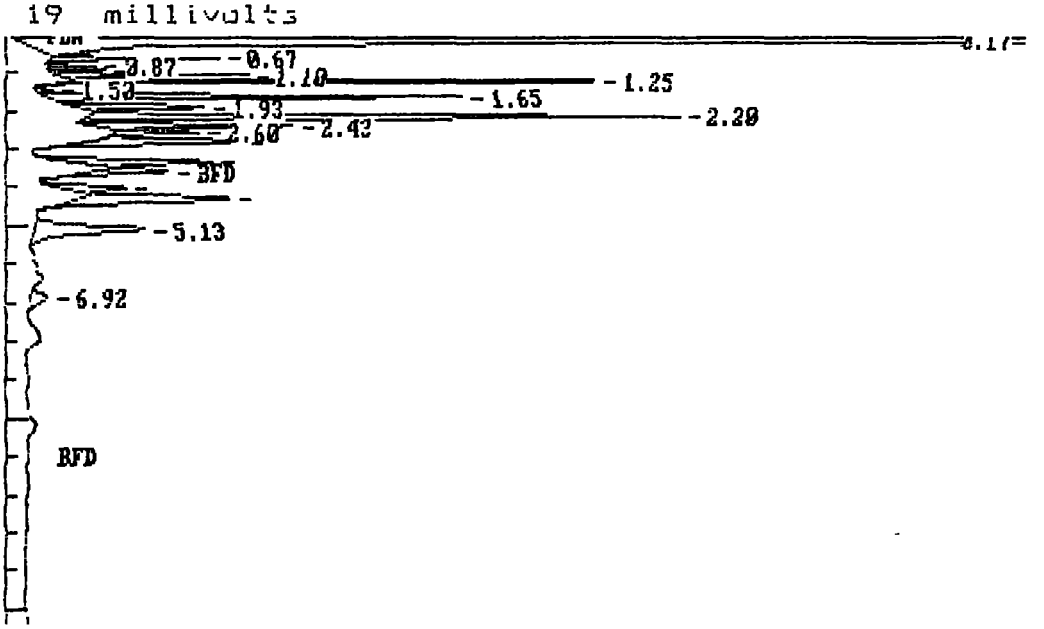
Starting Delay: 0.00 Run Time: 35.00

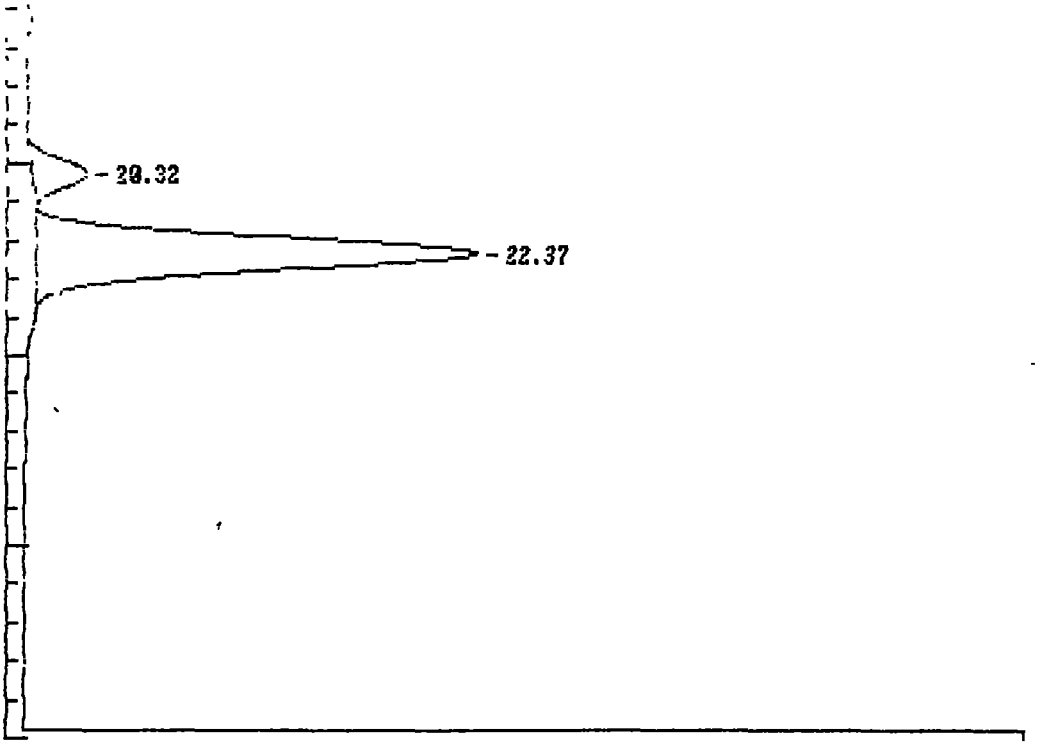
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	742932	45.1448	1	193047	100.00%	3.9
2	0.67	9486	0.5764	1	3112	1.277	3.0
3	0.87	2593	0.1574	1	895	0.349	2.9
4	0.98	3135	0.1905	1	1001	0.422	3.1
5	1.19	11530	0.7006	1	3390	1.552	3.4
6	1.25	47489	2.8857	1	9990	6.392	4.8
7	1.50	1075	0.0653	1	304	0.145	3.5
8	1.65	43711	2.6561	1	7727	5.884	5.7
9	1.93	14299	0.8689	1	2223	1.925	6.4
10	2.20	68224	4.1457	1	11125	9.187	6.1
11	2.43	21670	1.3168	1	3642	2.917	5.9
12	2.60	7880	0.4788	1	1564	1.061	5.0
13	2.83	28385	1.7248	1	2950	3.821	9.6
14	3.37	19927	1.2109	1	2410	2.682	8.3
15	3.62	11596	0.7046	1	1442	1.561	8.0
16	4.05	7956	0.4835	1	994	1.071	8.0
17	4.33	35803	2.1755	1	2945	4.819	12.2
18	5.13	31424	1.9095	1	2030	4.230	15.5
19	6.92	5534	0.3363	1	317	0.752	17.6
20	20.32	50002	3.0394	1	1017	6.730	49.2
21	22.37	480969	29.2264	1	8222	64.739	58.5

Total Area: 1645653 Area Reject: 1000 One sample per 1.000 sec.

SS
5/11/88

Data File = J:BB12610.PTS Printed on 05-08-1988 at 12:06:25
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




20.32
22.37

02698

LID ENT	COMPONENT NAME		RETENTION TIME EXPECTED	MEASURED	PEAK NUMB	PCB AREA	AMOUNT	UNITS
020	AROCLOR 1242(peak	1)	1.68	1.68	6	12070	.0753	ug/ml
030	AROCLOR 1242(peak	2)	2.18	2.18	7	14220	.1756	ug/ml
031	AROCLOR 1242(peak	3)	2.367	2.367	9	24817	.0750	ug/ml

* = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02699

LIST EVT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	REAL NAME	PEAK AREA	AMOUNT	UNITS
027	AROCLOR 1242(peak 1)	1.250	1.250	6	21074	.0750	ug/ml
030	AROCLOR 1242(peak 2)	1.650	1.650	9	41754	.0750	ug/ml
031	AROCLOR 1242(peak 3)	2.200	2.200	10	73070	.0750	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

[illegible]

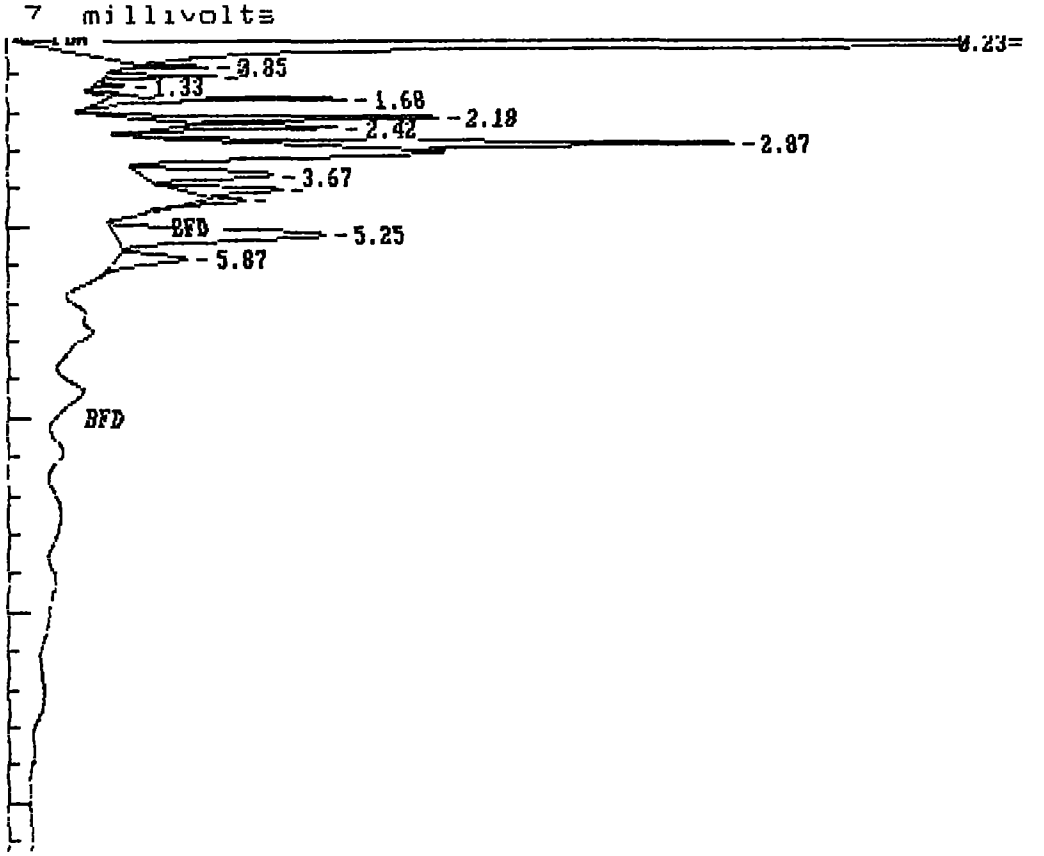
```
********************** 05-08-1988 12:07:32 Version 4.1 ************************
* Sample Name: ARCCLOR 1242 1.075 UG ML          Data File:  J:AB12611 02700
* Date: 05-06-1988 15:01:31 Method: M:ABPI                                      *
* Interface: 10  Cycle#:  11   Operator SS  Channel#:  0    Vial#: N.A.        *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100                 *
*******************************************************************************
* Instrument Type: HP 5880A                  Column Type: 6FT X 2MM ID GLASS
*            Solvent Description: 1.5% SP2250/1.95% SP2401                     *
* Conditions: 190 DEGREES ISOTHERMAL                                           *
*            Detector 0: ECD                  Detector 1:                      *
* Misc. Information: 4 UL INJECTION                          LPT1:        *   *
*******************************************************************************
Starting Delay:   0.00                          Run Time:   35.00
```

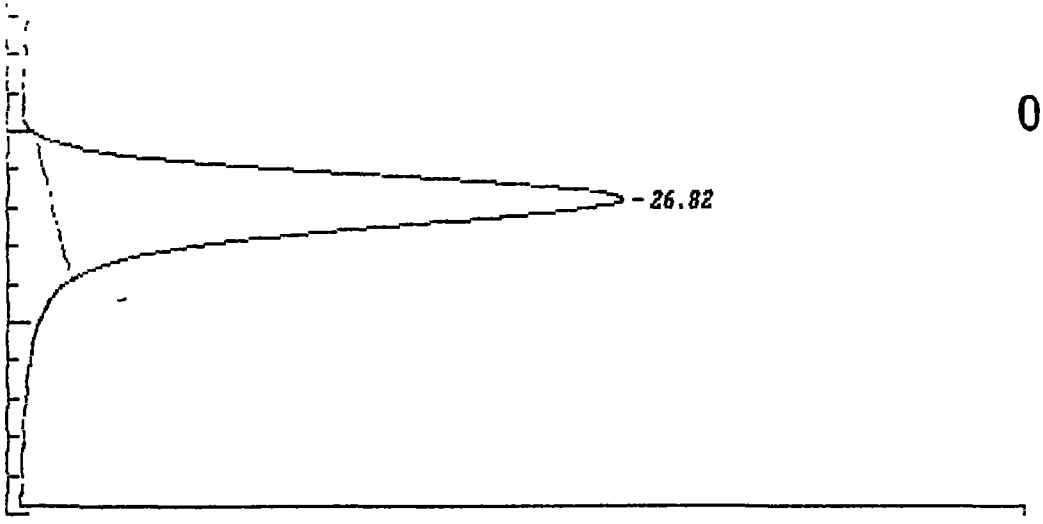
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	562615	52.5303	1	126339	100.000	4.5
2	0.85	1791	0.1672	1	532	0.318	3.4
3	1.10	3469	0.3239	1	767	0.617	4.5
4	1.33	1250	0.1167	1	222	0.222	5.6
6	1.68	12069	1.1269	1	1680	2.145	7.2
7	2.18	14929	1.3939	1	2054	2.653	7.3
8	2.42	8451	0.7891	1	1171	1.502	7.2
9	2.87	24937	2.3283	1	2881	4.432	8.7
10	3.67	13195	1.2320	1	887	2.345	14.9
11	4.07	6613	0.6174	1	653	1.175	10.1
12	4.35	3931	0.3670	1	380	0.699	10.3
13	5.25	29145	2.7212	1	1447	5.180	20.1
14	5.87	8730	0.8151	1	502	1.552	17.4
15	26.82	379907	35.4711	1	3929	67.525	96.7

SS
5/11/88

Total Area: 1071032 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB12611.FTS Printed on 05-08-1988 at 12:07:32
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts

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02702

* Sample Name: ARCOLOR 1242 0.075 UG/ML Data File: J:8812611
* Date: 05-06-1988 14:44:25 Method: M:2391
* Interface: 12 Cycle#: 1 Operator: SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5890A Column Type: 6FT x 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

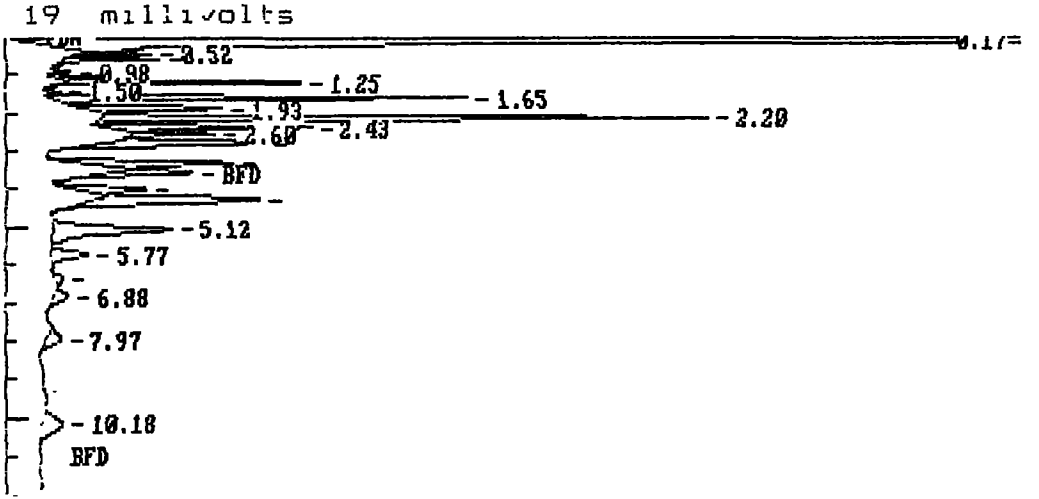
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area Height
1	0.17	916881	47.0800	1	236559	100.000	3.8
2	0.52	3934	0.2020	1	1352	0.429	2.9
3	0.65	6586	0.3382	1	1792	0.718	3.7
4	0.98	1170	0.0601	1	366	0.128	3.2
5	1.10	3840	0.1972	1	1076	0.419	3.6
6	1.25	21074	1.0821	1	4512	2.298	4.7
7	1.50	1120	0.0575	1	316	0.122	3.5
8	1.65	41354	2.1234	1	7757	4.510	5.3
9	1.93	15617	0.8019	1	2415	1.703	6.5
10	2.20	70030	3.5959	1	11457	7.638	6.1
11	2.43	22104	1.1350	1	3685	2.411	6.0
12	2.60	7827	0.4019	1	1587	0.854	4.9
13	2.83	29969	1.5388	1	5146	3.269	9.3
14	3.37	21002	1.0784	1	2534	2.291	8.3
15	3.60	13228	0.6792	1	1564	1.443	8.5
16	4.05	8934	0.4587	1	1088	0.974	8.2
17	4.33	39015	2.0033	1	3219	4.255	12.1
18	5.12	34285	1.7605	1	2208	3.739	15.5
19	5.77	9236	0.4742	1	688	1.007	13.4
20	6.42	2045	0.1050	1	148	0.223	13.9
21	6.88	4663	0.2394	1	287	0.509	16.3
22	7.97	5601	0.2876	1	283	0.611	19.8
23	10.18	9980	0.5124	1	377	1.088	26.4
24	20.28	67938	3.4885	1	1384	7.410	49.1
25	22.33	590067	30.2987	1	10086	64.356	58.5

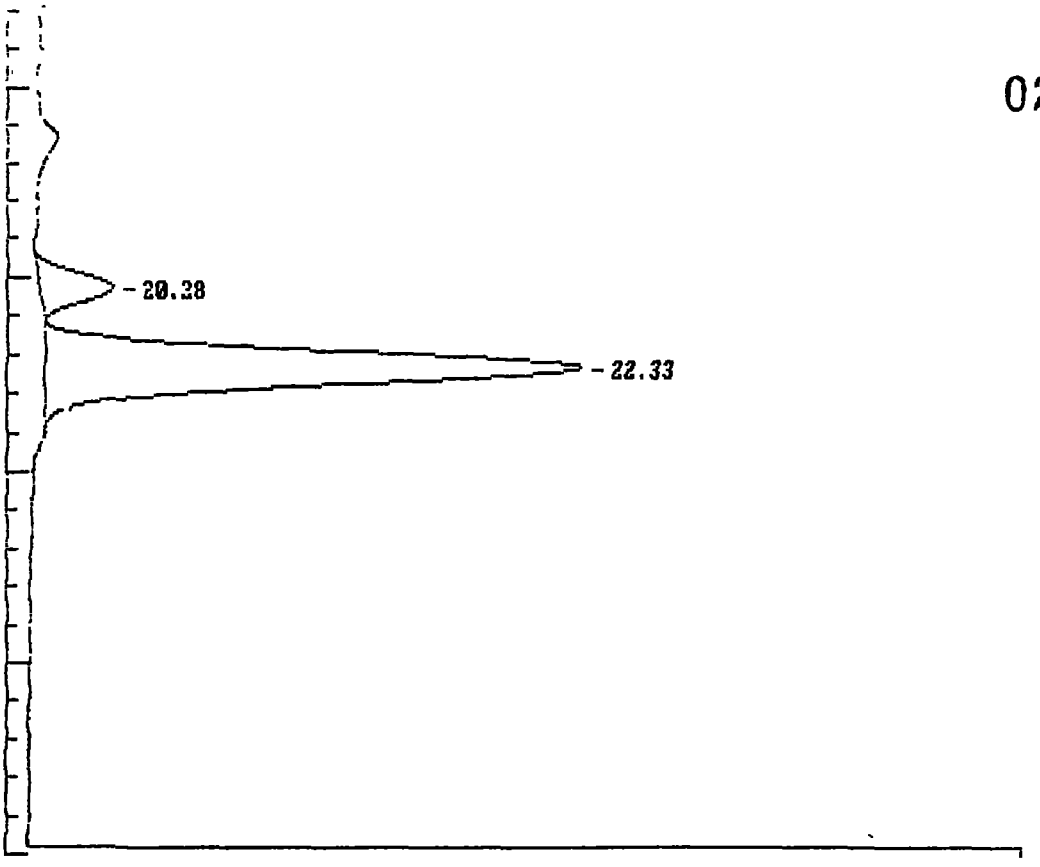
Total Area: 1947497 Area Reject: 1000 One sample per 1.000 sec.

SS
5/11/88

Data File = J:8812611.PTS Printed on 05-08-1988 at 12:07:44
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts



02703



[illegible]

02704

LIST ENT	COMPONENT NAME	RETENTION TIME EXPECTED	MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
032	AROCLOR 1248(peak 1)	2.867	2.867	7	[illegible]	.15[illegible]	ug/ml
033	AROCLOR 1248(peak 2)	4.067	4.067	9	14185	.150	ug/ml
034	AROCLOR 1248(peak 3)	5.250	5.250	11	110339	.15[illegible]	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02705

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	2.[illegible]	2.[illegible]	9	[illegible]	.150[illegible]	[illegible]
[illegible]	[illegible]	2.[illegible]	2.[illegible]	12	97[illegible]4	.150[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	4.[illegible]	16	123993	.150[illegible]	[illegible]

[illegible] = CALCULATED [illegible] INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02706

* Sample Name: AROCLOR 1246 7.150 [illegible] Data File: J:AB12612
* Date: 05-06-1988 15:35:[illegible] Method: M:[illegible]
* Interface: 10 Cycle#: 12 Operator SS Channel#: [illegible] Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5880A Column Type: 6FT x 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

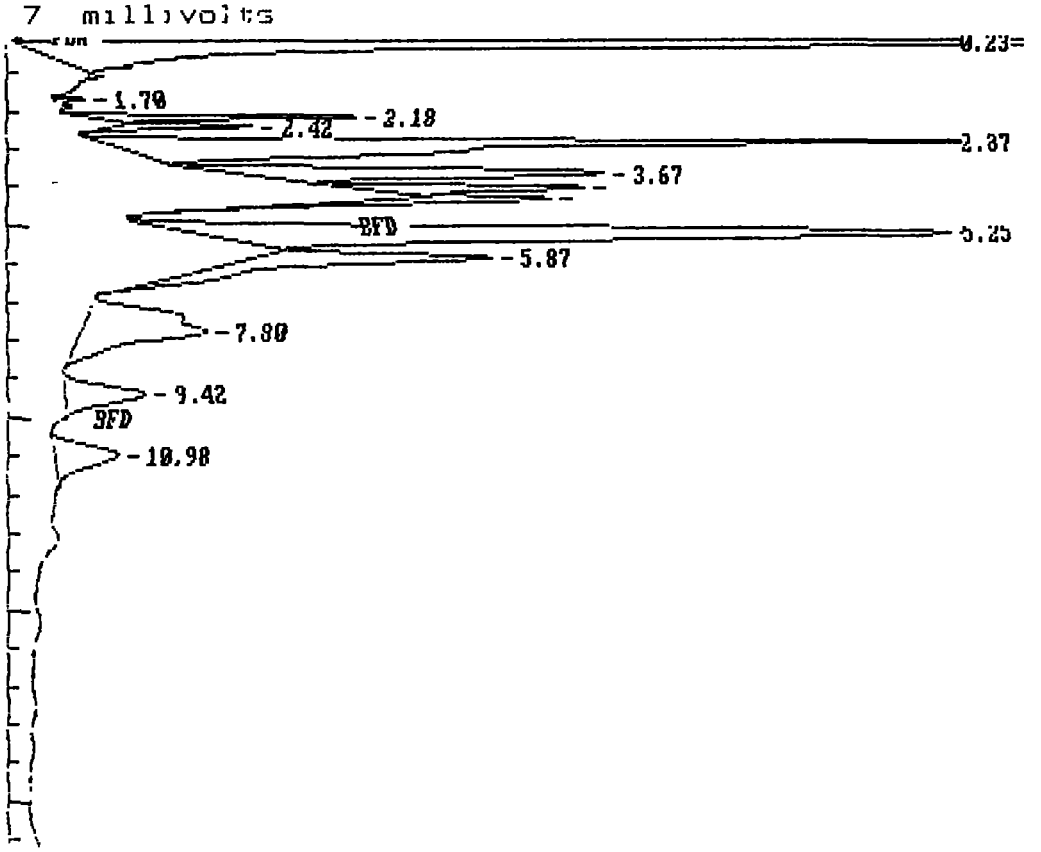
Starting Delay: 0.00 Run Time: 35.00

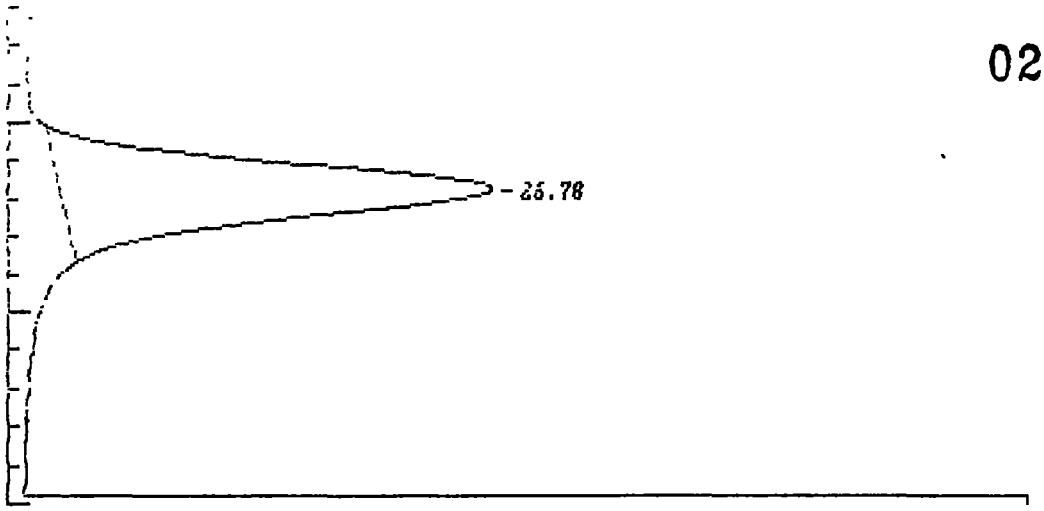
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	448666	39.0606	1	102499	100.000	4.4
3	1.70	1081	0.0941	1	189	0.241	5.7
5	2.18	13208	1.1499	1	1775	2.944	7.4
6	2.42	7147	0.6222	1	973	1.593	7.3
7	2.87	96037	8.3609	1	5959	21.405	16.1
8	3.67	38008	3.3090	1	2419	8.471	15.7
9	4.07	14185	1.2349	1	1405	3.161	10.1
10	4.35	16672	1.4513	1	1340	3.716	12.4
11	5.25	110309	9.6034	1	5115	24.586	21.6
12	5.87	40154	3.4958	1	1650	8.950	23.9
13	7.80	44453	3.8701	1	864	9.908	51.5
14	9.42	16998	1.4798	1	560	3.788	30.3
15	10.98	15455	1.3455	1	429	3.445	36.1
16	26.78	286269	24.9224	1	2968	63.805	96.5

SS
5/11/88

Total Area: 1148640 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB12612.PTS Printed on 05-08-1988 at 12:08:45
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




-25.78

02708

* Sample Name: ARCOLOR 1242 0.150 UG/ML Data File: J:3B12612
* Date: 05-06-1988 15:23:03 Method: M:BBFI
* Interface: 12 Cycle#: 12 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

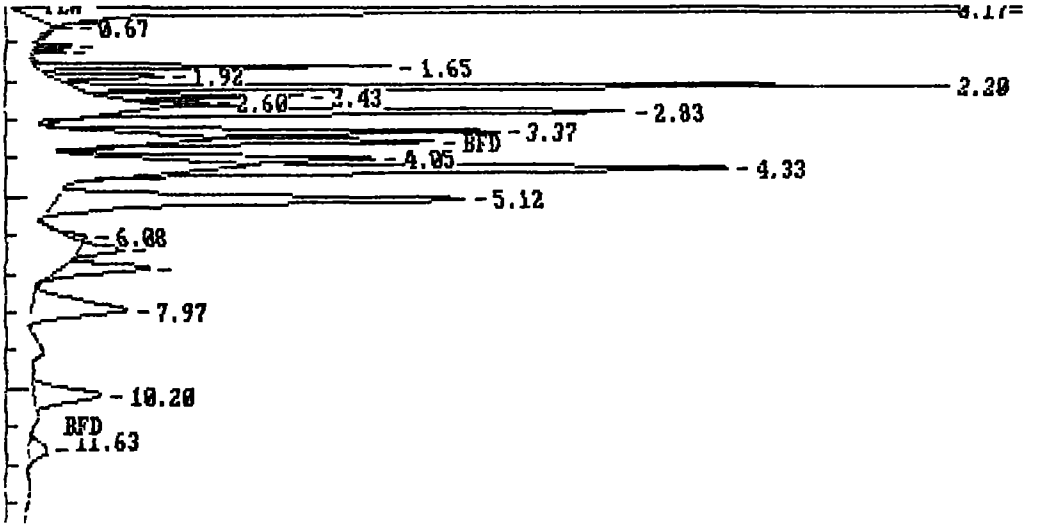
Starting Delay: 0.00 Run Time: 35.00

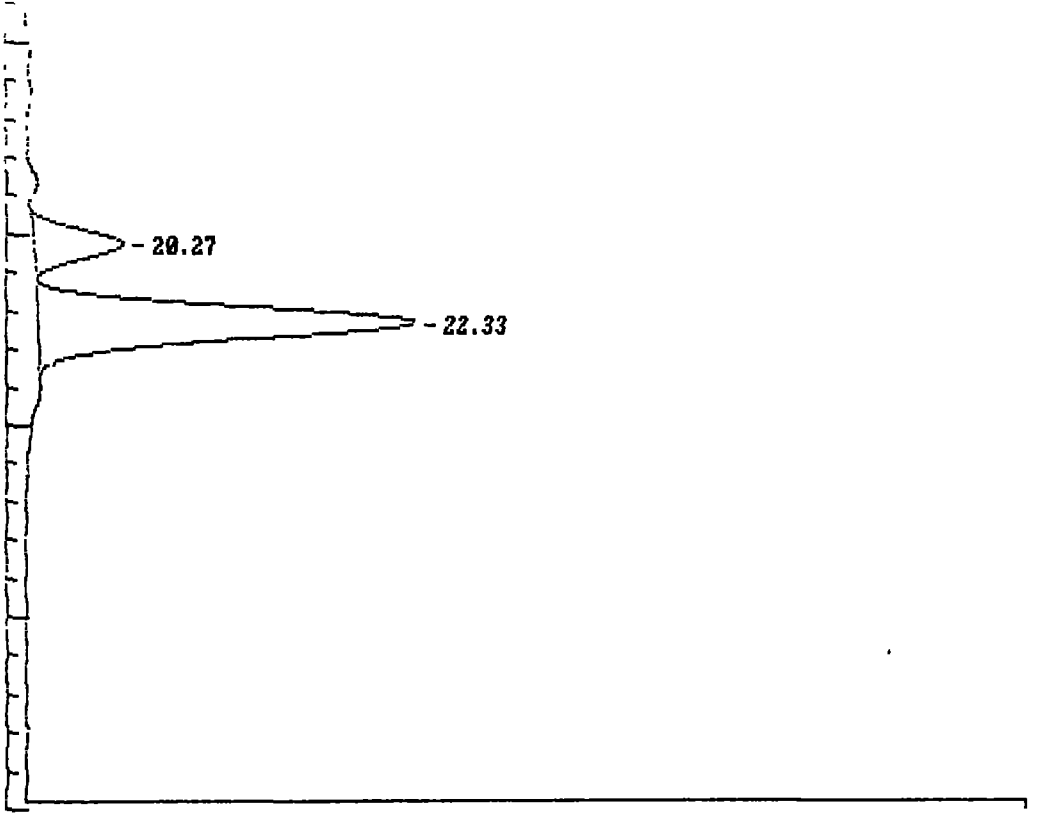
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	730886	36.5115	1	197203	100.000	3.9
2	0.67	1852	0.0925	1	382	0.253	4.9
4	1.12	2850	0.1423	1	705	0.390	4.0
5	1.27	2532	0.1265	1	611	0.346	4.1
7	1.65	33438	1.6704	1	6624	4.575	5.0
8	1.92	14155	0.7071	1	2018	1.937	7.0
9	2.20	98005	4.8958	1	16372	13.409	6.0
10	2.43	21508	1.0744	1	3646	2.943	5.9
11	2.60	4649	0.2322	1	1101	0.636	4.2
12	2.83	97364	4.8639	1	9516	13.321	10.2
13	3.37	53189	2.6571	1	6471	7.277	8.2
14	3.60	43204	2.1583	1	5013	5.911	8.6
15	4.05	28224	1.4099	1	3474	3.862	8.1
16	4.33	123998	6.1943	1	10063	16.965	12.3
17	5.12	126954	6.3420	1	7671	17.370	16.5
18	6.08	1863	0.0931	1	254	0.255	7.3
19	6.40	12742	0.6365	1	871	1.743	14.6
20	6.88	28710	1.4342	1	1725	3.928	16.6
21	7.97	48303	2.4130	1	1787	6.609	27.0
22	10.20	30469	1.5221	1	1256	4.169	24.3
23	11.63	8690	0.4341	1	323	1.189	26.9
24	20.27	82449	4.1188	1	1659	11.281	49.7
25	22.33	405766	20.2701	1	7007	55.517	57.9

SS
5/11/88

Total Area: 2001795 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:3B12612.FTS Printed on 05-08-1988 at 12:09:03
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts




20.27
22.33

02710

035	AROCLOR 1254 (peak 1)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
036	AROCLOR 1254 (peak 2)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
037	AROCLOR 1254 (peak 3)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
038	AROCLOR 1254 (peak 4)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
039	AROCLOR 1254 (peak 5)	11.[illegible]	11.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

* = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

[illegible]

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	AROCLOR 1254(peak 1)	5.017	5.[illegible]17	[illegible]	[illegible]	.1500	[illegible]
[illegible]	AROCLOR 1254(peak 2)	6.907	6.[illegible]	[illegible]	[illegible]	.1500	[illegible]
[illegible]	AROCLOR [illegible]	7.950	[illegible].950	[illegible]	[illegible]	.1500	[illegible]
[illegible]	AROCLOR [illegible]	10.167	10.[illegible]	[illegible]	[illegible]	.1500	[illegible]
[illegible]	AROCLOR [illegible]	[illegible]	11.650	[illegible]	[illegible]	.1500	[illegible]

02711

* - CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

AREA PERCENT REPORT

05-05-1988 12:09:31 Version 4.1

* Sample Name: AROCLOR 1254 0.150 US HL Data File: J:AB12613
* Date: 05-05-1988 16:13:00 Method: M:ADPI
* Interface: 10 Cycle#: 13 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

02712

* Instrument Type: HP 5830A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:

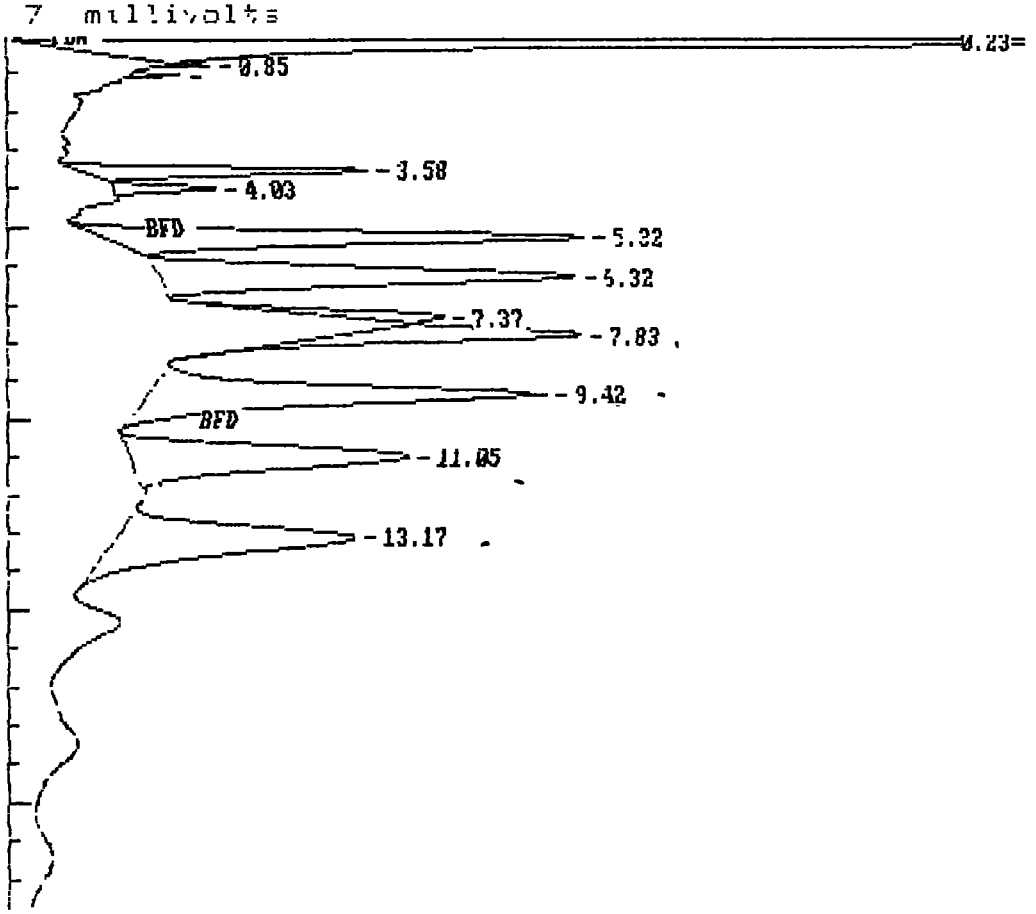
Starting Delay: 0.00 Run Time: 35.00

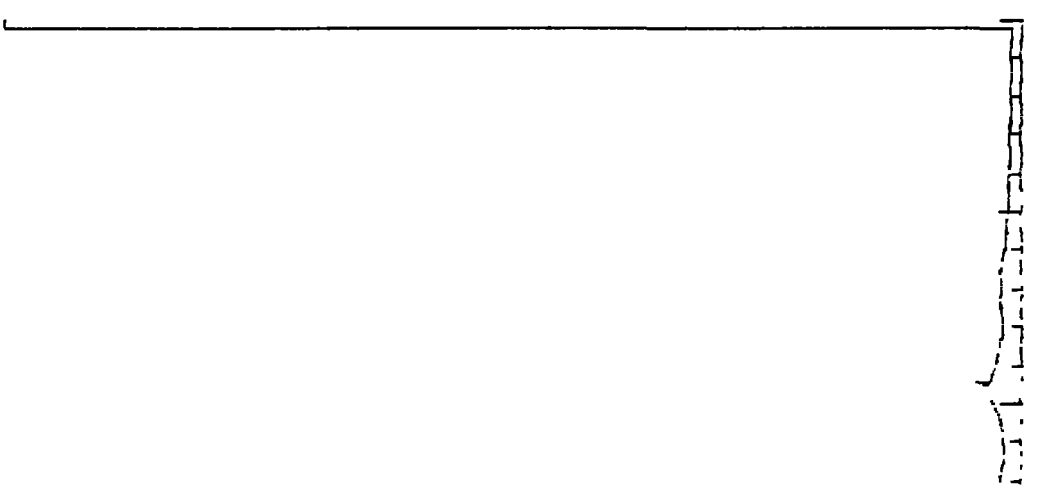
Pl No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	562954	53.0059	1	135467	100.000	4.2
2	0.85	1128	0.1062	1	322	0.200	3.5
3	1.10	1537	0.1447	1	357	0.277	4.3
4	3.58	25916	2.4406	1	1949	4.604	13.3
5	4.03	7565	0.7124	1	687	1.344	11.0
6	5.32	72843	6.8599	1	3268	12.942	22.3
7	6.32	85665	8.0674	1	2856	15.220	30.0
8	7.37	12410	1.1687	1	605	2.205	20.5
9	7.83	37786	3.5584	1	1708	6.713	22.1
10	9.42	94653	8.9138	1	2754	16.817	34.4
11	11.05	77526	7.3009	1	1902	13.774	40.8
12	13.17	81990	7.7213	1	1635	14.567	50.1

SS
5/11/88

Total Area: 1061872 Area Reject: 1000 One sample per 1.000 sec.

Data File = J:AB12613.PTS Printed on 05-08-1988 at 12:10:00
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts





[illegible]

* [illegible] 05-08-1988 [illegible] Version [illegible]
* Sample Name: ARCOLOR 1254 0.15% UB DL Data File: [illegible] 02714
* Date: 05-06-1988 16:02:03 Method: M[illegible]
* Interface: 12 Cycle#: 13 Operator SS Channel#: [illegible] Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

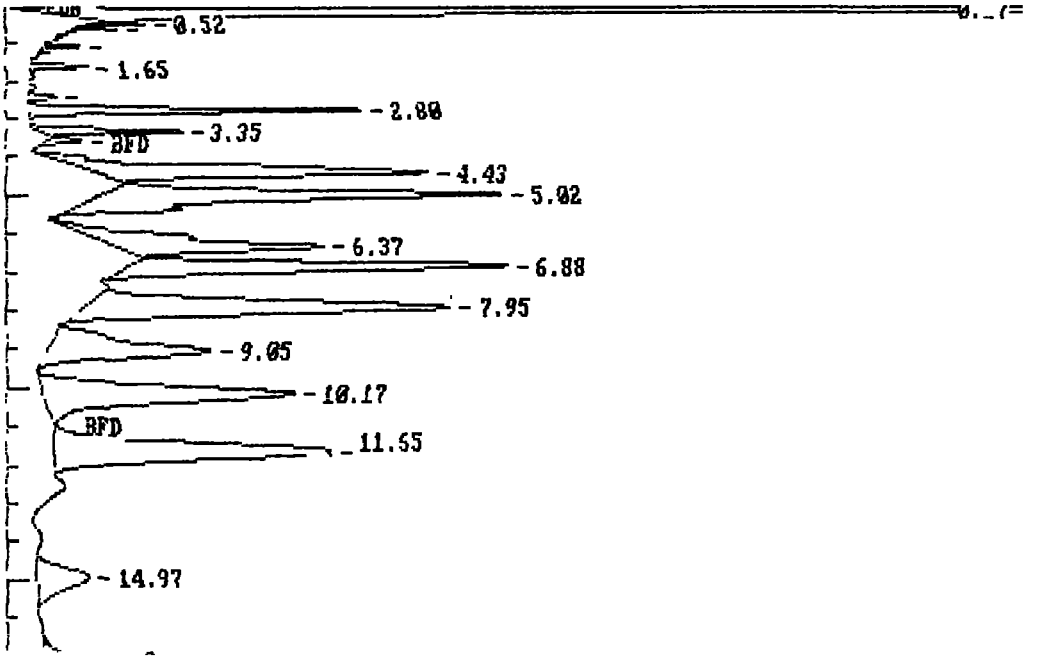
Starting Delay: 0.00 Run Time: 35.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.17	997222	46.0754	1	279918	100.000	3.6
2	0.52	2747	0.1269	1	904	0.275	3.0
3	0.65	3065	0.1416	1	808	0.307	3.8
5	1.12	2982	0.1378	1	705	0.299	4.2
7	1.65	6533	0.3018	1	1061	0.655	6.2
9	2.47	4076	0.1883	1	540	0.409	7.6
10	2.80	54285	2.5081	1	6227	5.444	8.7
11	3.35	21369	0.9873	1	2610	2.143	8.2
12	3.60	5357	0.2475	1	667	0.537	8.0
13	4.43	108586	5.0171	1	6153	10.889	17.6
14	5.02	154632	7.1446	1	7535	15.506	20.5
15	6.37	86812	4.0110	1	3776	8.705	23.0
16	6.88	116902	5.4013	1	7121	11.723	16.4
17	7.95	164453	7.5983	1	6899	16.491	23.8
18	9.05	87461	4.0410	1	3085	8.770	28.4
19	10.17	136327	6.2988	1	4686	13.671	29.1
20	11.65	156529	7.2322	1	5191	15.696	30.2
21	14.97	38726	1.7893	1	991	3.883	39.1
22	17.12	16265	0.7513	1	437	1.631	37.3

Total Area: 2164327 Area Reject: 1000 One sample per 1.000 sec.

SS
5/11/88

Data File = J:BB12613.PTS Printed on 05-08-1988 at 12:10:23
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts



STANDARD: TOXAPHENE 05/13/88 LIBRARY: [illegible]

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
020	TOXAPHENE (peak 1)	7.183	7.183	7	15966	.2500	[illegible]
021	TOXAPHENE (peak 2)	9.250	9.250	9	89315	.2500	[illegible]
022	TOXAPHENE (peak 3)	12.433	12.433	11	85075	.2500	[illegible]

02716

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

STANDARD: TOXAPHENE 05/13/88 LIBRARY: L:SGMSKB

02717

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
020	TOXAPHENE (peak 1)	6.780	6.780	17	74817	.2500	ug/ml
021	TOXAPHENE (peak 2)	10.350	10.350	22	113589	.2500	ug/ml
022	TOXAPHENE (peak 3)	12.650	12.650	24	134761	.2500	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

********** AREA PERCENT REPORT **********

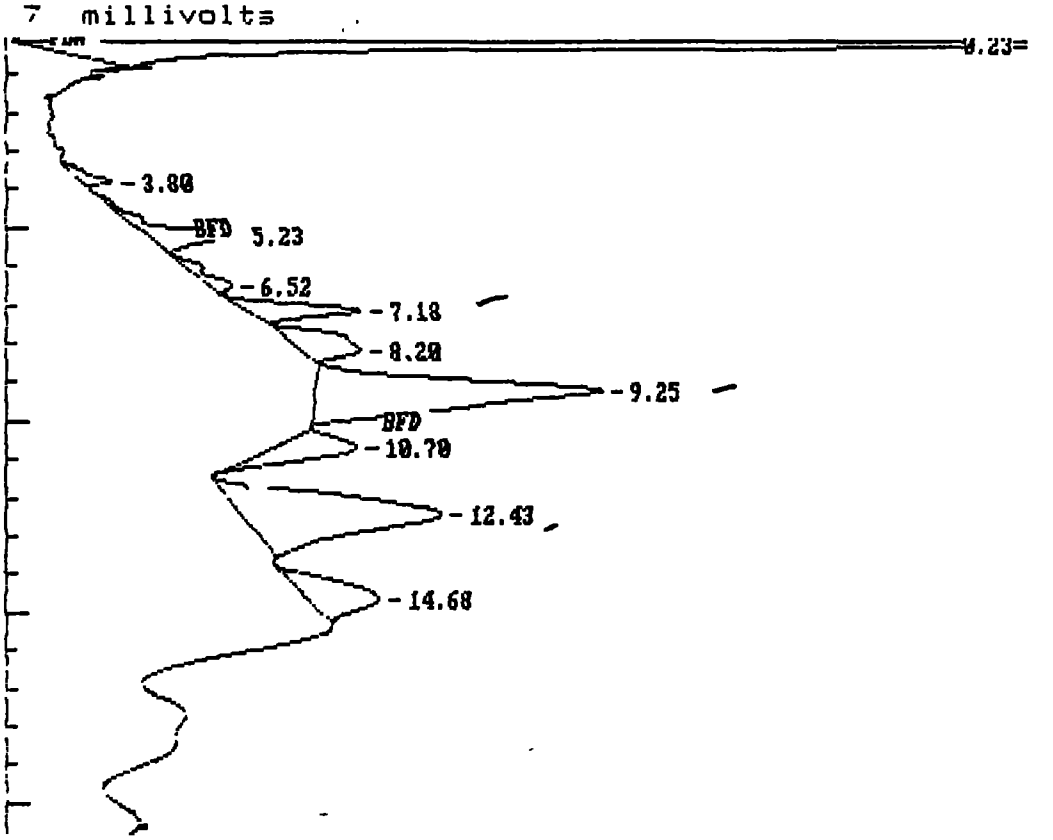
+++++++++++++++++++ 05-12-1988 11:46:53 Version 4.1 +++++++++++++++++++
+ Sample Name: TOXAPHENE 0.25 UG/ML Data File: J:AB1336 +
+ Date: 05-12-1988 11:46:37 Method: M:ABPI +
* Interface: 10 Cycle#: 6 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector 0: ECD Detector 1: *
+ Misc. Information: 4 UL INJECTION LPT1: + *
****
Starting Delay: 0.00 Run Time: 0.00

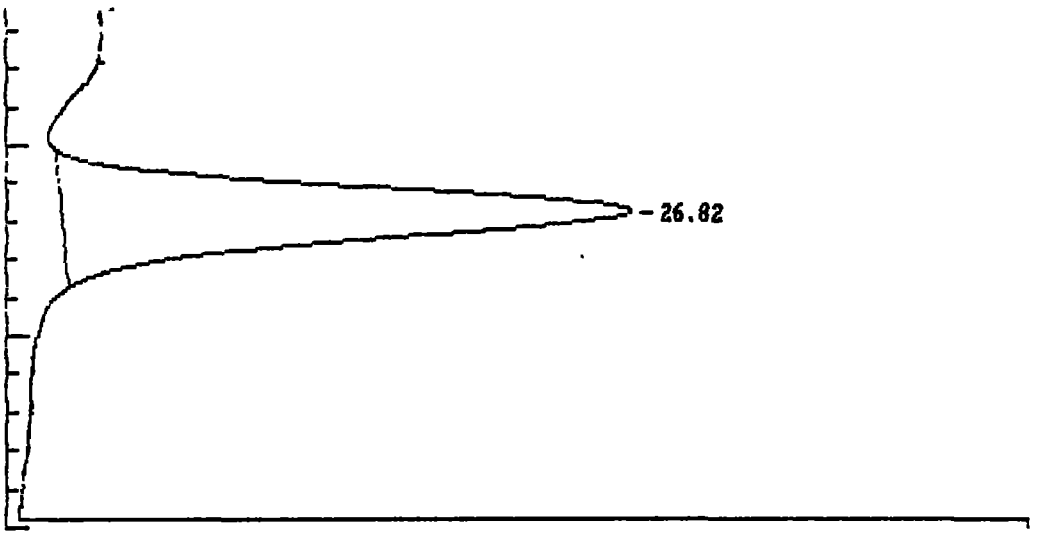
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	464863	42.1475	1	107956	100.000	4.3
4	3.80	3828	0.3471	1	213	0.823	18.0
5	5.23	15410	1.3972	1	508	3.315	30.3
6	6.52	4386	0.3977	1	137	0.944	32.0
7	7.18	15966	1.4475	1	766	3.424	20.8
8	8.20	16799	1.5231	1	401	3.614	41.9
9	9.25	89315	8.0979	1	1973	19.213	45.3
10	10.70	23508	2.1314	1	569	5.057	41.3
11	12.43	85075	7.7134	1	1372	18.301	62.0
12	14.68	25031	2.2694	1	487	5.384	51.3
13	26.82	358765	32.5279	1	3906	77.176	91.8

SS
5/10/88

Total Area: 1102944 Area Reject: 1000 One sample per 1.000 sec.

Areas, times, and heights stored in: J:AB1336.ATB
Data File = J:AB1336.PTS Printed on 05-12-1988 at 11:47:19
Start time: 0.00 min. Stop time: 35.00 min. 0+feet: 0 mv.
Full Range: 7 millivolts




26.82

********** AREA PERCENT REPORT **********

02720

********** 05-12-1988 11:40:49 Version 4.1 **********

Sample Name: TOXAPHENE 0.25 UG/ML Data File: J:BB1336

Date: 05-12-1988 11:40:31 Method: M:3BPI

Interface: 12 Cycle#: 6 Operator SS Channel#: 0 Vial#: N.A.

Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS

Solvent Description: 1.5% SP2250/1.95% SP2401

Conditions: 190 DEG ISOTHERMAL

Detector 0: Detector 1: ECD

Misc. Information: 4 UL INJ

Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	912733	39.3337	1	212961	100.000	4.3
2	0.53	2946	0.1270	1	918	0.323	3.2
3	0.68	1189	0.0512	1	326	0.130	3.6
5	1.17	2368	0.1020	1	549	0.259	4.3
6	1.40	3061	0.1319	1	397	0.335	7.7
7	1.72	8640	0.3723	1	1285	0.947	6.7
11	2.57	8628	0.3718	1	761	0.945	11.3
12	3.10	4233	0.1824	1	513	0.464	8.3
13	3.70	14039	0.6050	1	1303	1.538	10.8
14	4.37	18977	0.8178	1	1147	2.079	16.5
15	5.30	26499	1.1420	1	741	2.903	35.7
16	5.67	2745	0.1183	1	238	0.301	11.6
17	6.78	74817	3.2242	1	3451	8.197	21.7
18	7.42	11352	0.4892	1	741	1.244	15.3
19	8.18	19441	0.8378	1	970	2.130	20.0
20	8.95	16448	0.7088	1	729	1.802	22.6
21	9.67	16064	0.6922	1	777	1.760	20.7
22	10.35	113589	4.8950	1	3641	12.445	31.2
23	11.42	25404	1.0947	1	1096	2.783	23.2
24	12.65	184761	7.9621	1	4664	20.243	39.6
25	13.75	14638	0.6308	1	575	1.604	25.5
26	15.77	12599	0.5429	1	372	1.380	33.9
27	16.62	12426	0.5355	1	460	1.361	27.0
28	17.32	28081	1.2102	1	897	3.077	31.3
29	22.65	784813	33.8210	1	12872	85.985	61.0

Total Area: 2320488 Area Reject: 1000 One sample per 1.000 sec.

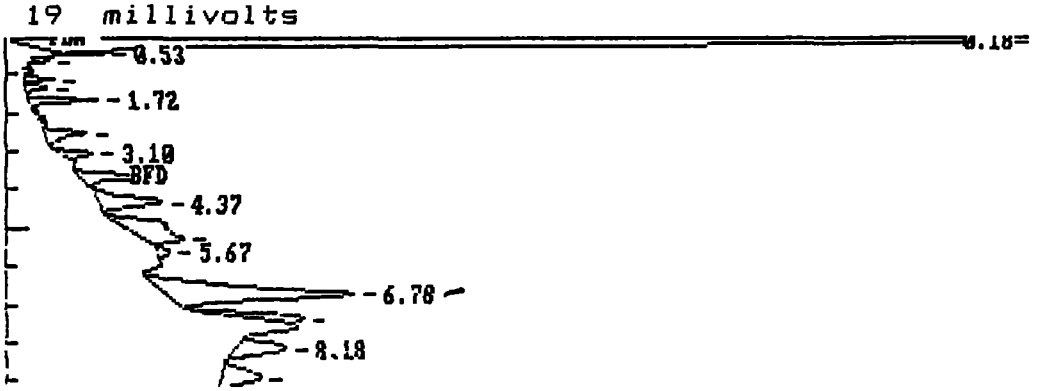
SS 5/18/88

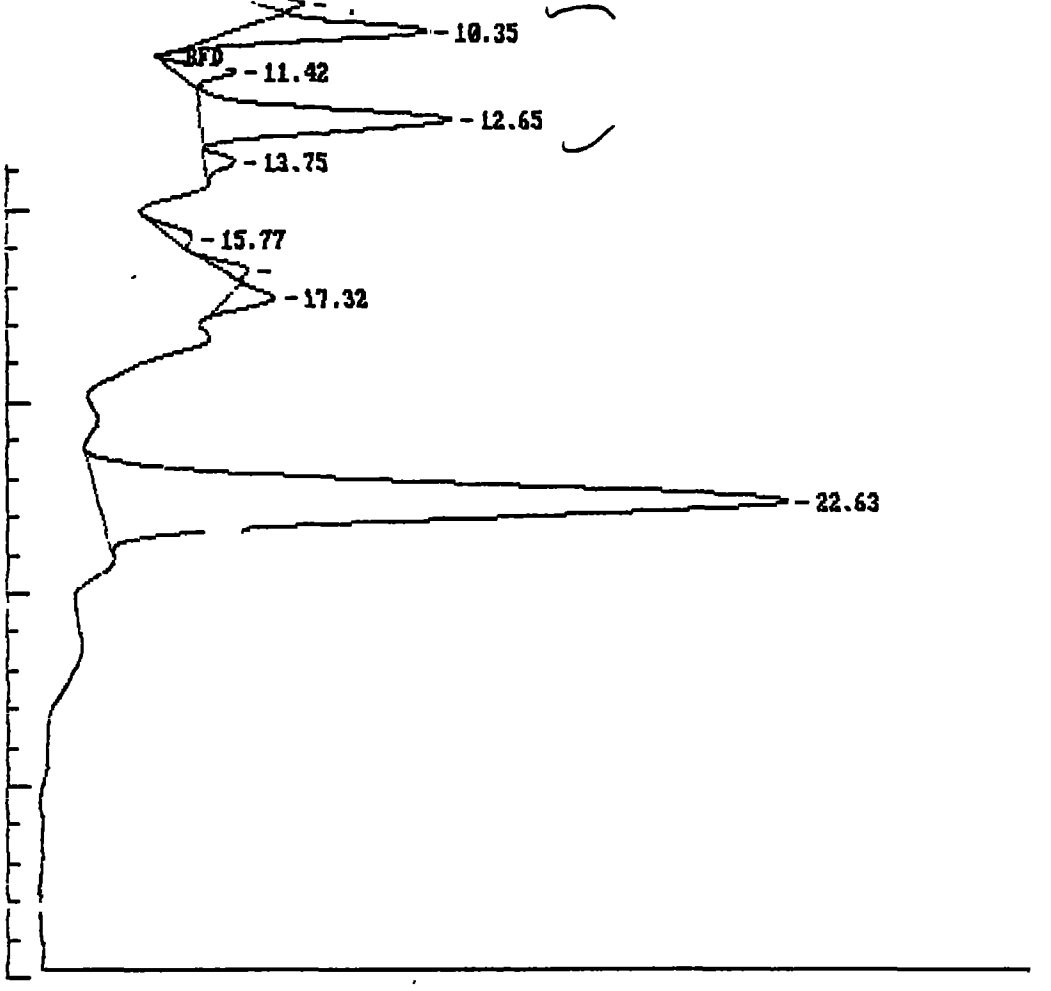
Areas, times, and heights stored in: J:BB1336.ATB

Data File = J:BB1336.PTS Printed on 05-12-1988 at 11:41:22

Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.

Full Range: 19 millivolts




10.35
BFD
11.42
12.65
13.75
15.77
17.32
22.63

STANDARD: TECHNICAL CHLORDANE 05/13/88 LIBRARY: L:SS1013 --

02722

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
008	gamma-CHLORDANE	5.833	5.833	12	82114	.0750	[illegible]
009	alpha-CHLORDANE	6.517	6.517	13	23556	.0750	[illegible]
051	HEPTACHLOR IN TC	3.283	3.293	9	37988	.0750	[illegible]

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

STANDARD: TECHNICAL CHLORDANE 05/13/88 LIBRARY: L:SSMIX3

02723

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
008	gamma-CHLORDANE	4.817	4.817	15	130458	.0750	ug/ml
009	alpha-CHLORDANE	5.283	5.283	16	112978	.0750	ug/ml
051	HEPTACHLOR IN TC	2.283	2.283	9	68043	.0750	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

02724

********* AREA PERCENT REPORT *********

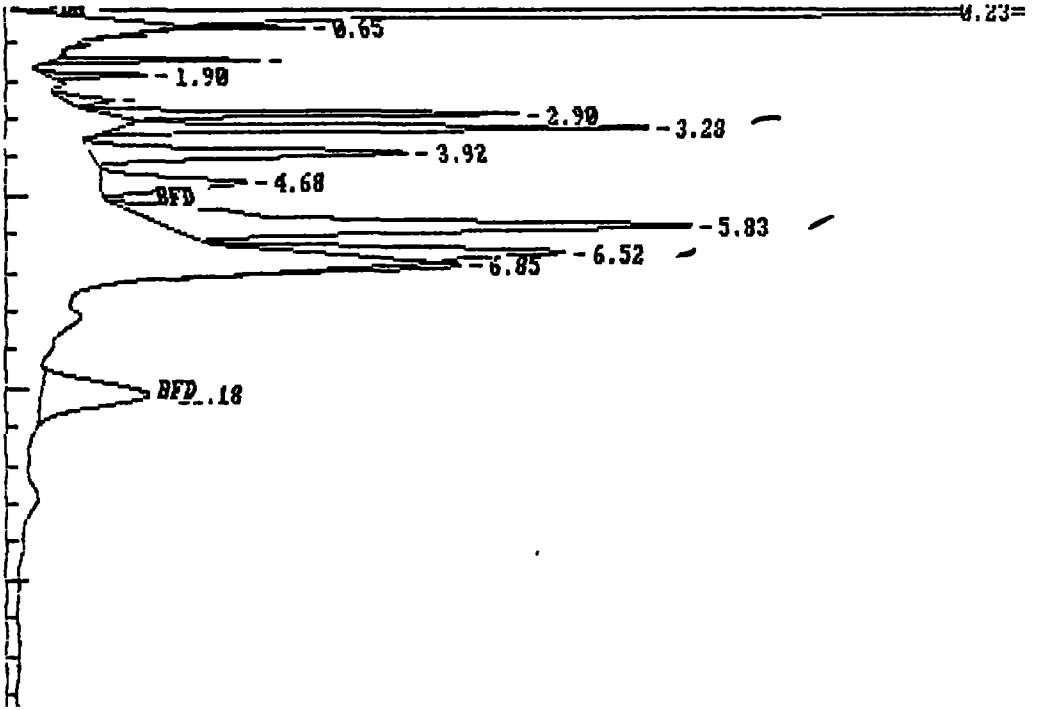
********** 05-12-1988 12:26:44 Version 4.1 **********
* Sample Name: TECHNICAL CHLORDANE 0.075 UG/ML Data File: J:AB1337
* Date: 05-12-1988 12:26:28 Method: M:ABPI
* Interface: 10 Cycle#: 7 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEGREES ISOTHERMAL
* Detector 0: ECD Detector 1:
* Misc. Information: 4 UL INJECTION LPT1:
Starting Delay: 0.00 Run Time: 0.00

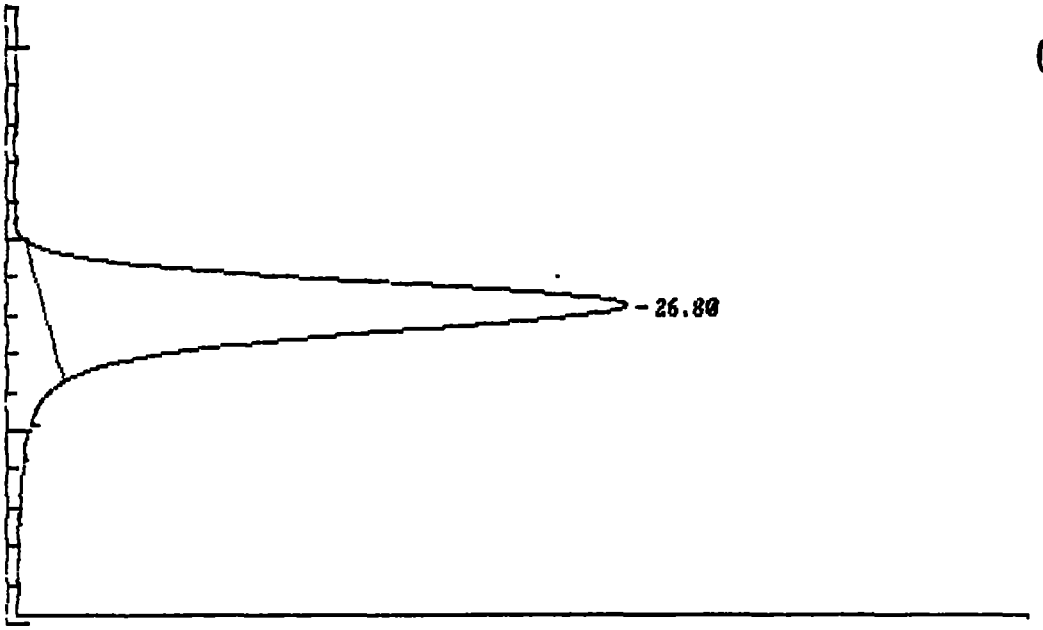
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	488634	42.5571	1	117226	100.000	4.2
2	0.65	2926	0.2548	1	886	0.599	3.3
3	1.50	7615	0.6632	1	1441	1.558	5.3
4	1.90	4143	0.3608	1	670	0.848	6.2
7	2.55	3681	0.3206	1	312	0.757	11.8
8	2.90	25610	2.2305	1	2819	5.241	9.1
9	3.28	37988	3.3085	1	3665	7.774	10.4
10	3.92	35714	3.1104	1	2166	7.309	16.5
11	4.68	21116	1.8391	1	990	4.321	21.3
12	5.83	82114	7.1516	1	3606	16.805	22.8
13	6.52	23556	2.0516	1	1578	4.821	15.0
14	6.85	10295	0.8966	1	626	2.107	16.5
15	10.18	30680	2.6720	1	742	6.279	41.4
16	26.80	374116	32.5832	1	4001	76.564	93.5

SS 5/19/88

Total Area: 1148186 Area Reject: 1000 One sample per 1.00% add

Areas, times, and heights stored in: J:AB1337.ATB
Data File = J:AB1337.PTS Printed on 05-12-1988 at 12:27:13
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




-26.80

********** AREA PERCENT REPORT ********** 02726

********** 05-12-1988 [illegible] **********
Sample Name: TECHNICAL CHLORDANE 0 [illegible]
* Date: 05-12-1988 12:18:46 Method: [illegible]
* Interface: 12 Cycle: [illegible] Operator: [illegible]
* Starting Peak Width: 10 Threshold: 1 Area Threshold: [illegible]
****
* Instrument Type: HP 5890A Column Type: [illegible]
* Solvent Description: 1.5% SP2250/1.95% [illegible]
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ
****

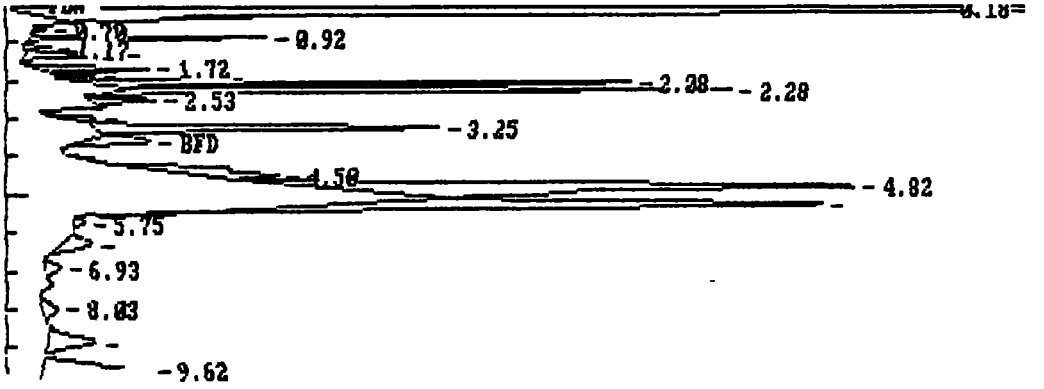
Starting Delay: 0.00 Run Time: 0.00

No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	[illegible]	41.4751	1	230222	100.000	4.3
2	0.70	1055	0.0440	1	252	0.106	4.2
3	0.92	15931	0.6653	1	4404	1.604	3.6
4	1.17	1908	0.0797	1	466	0.192	4.1
5	1.22	12216	0.5102	1	1733	1.230	7.0
6	1.72	12624	0.5272	1	2041	1.271	[illegible]
7	1.88	3046	0.1272	1	765	[illegible]	[illegible]
8	2.08	54795	2.2718	1	10000	5.477	5.4
9	2.28	68343	2.8417	1	11596	6.852	[illegible]
10	2.53	7530	0.3145	1	1182	0.759	[illegible]
11	3.03	2901	0.1170	1	417	0.292	[illegible]
12	3.25	50784	2.1209	1	6391	5.114	7.9
13	3.60	15346	0.6409	1	1242	1.545	[illegible]
14	4.50	21841	0.9122	1	1360	2.199	[illegible]
15	4.82	130458	5.4484	1	9937	[illegible]	[illegible]
16	5.28	112978	4.7184	1	9502	[illegible]	[illegible]
17	5.75	1824	0.0762	1	191	[illegible]	[illegible]
18	6.30	11341	0.4736	1	558	1.142	[illegible]
19	6.93	4339	0.1812	1	289	0.437	[illegible]
20	8.03	5166	0.2157	1	274	0.520	18.8
21	8.87	17774	0.7423	1	896	1.790	19.8
22	9.62	47684	1.9915	1	1986	4.802	24.0
23	20.60	46661	1.9487	1	954	4.699	48.9
24	22.67	755581	31.5561	1	12804	76.084	59.0

SS
5/19/88

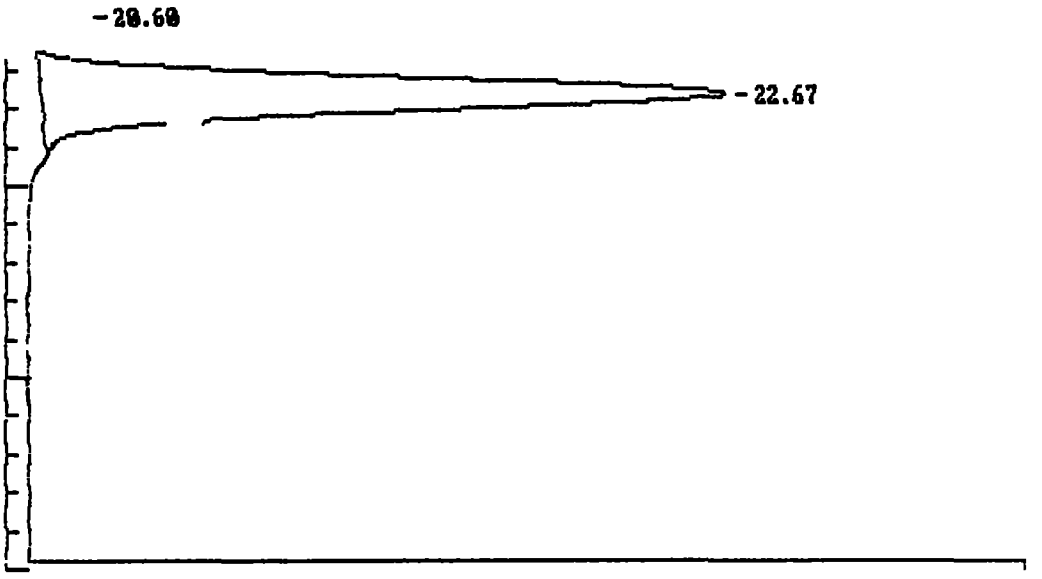
Total Area: 2394407 Area Reject: 1000 One sample per 1.000 sec.

Areas, times, and heights stored in: J:BB1337.ATB
Data File = J:BB1337.PTS Printed on 05-12-1988 at 12:19:31
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts



RFD

02727



STANDARD: AROCLOR 1016/1260 05/13/88 LIBRARY: L:SS1018

02728

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
023	AROCLOR 1016(peak 1)	1.683	1.683	6	11888	.0750	ug/ml
024	AROCLOR 1016(peak 2)	2.183	2.183	7	18929	.0750	ug/ml
025	AROCLOR 1016(peak 3)	2.867	2.867	9	30839	.0750	ug/ml
040	AROCLOR 1260(peak 1)	9.350	9.350	17	67766	.2500	ug/ml
041	AROCLOR 1260(peak 2)	11.150	11.150	18	119119	.2500	ug/ml
042	AROCLOR 1260(peak 3)	12.067	12.067	19	185937	.2500	ug/ml
043	AROCLOR 1260(peak 4)	13.150	13.150	20	120206	.2500	ug/ml
044	AROCLOR 1260(peak 5)	15.267	15.267	21	110545	.2500	ug/ml
045	AROCLOR 1260(peak 6)	17.633	17.633	22	138730	.2500	ug/ml
046	AROCLOR 1260(peak 7)	21.467	21.467	23	231492	.2500	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

STANDARD: AROCLOR 1016/1260 05/13/88 LIBRARY: L:SSMIXB

02729

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
023	AROCLOR 1016(peak 1)	1.283	1.283	6	29998	.0750	ug/ml
024	AROCLOR 1016(peak 2)	1.683	1.683	8	58675	.0750	ug/ml
025	AROCLOR 1016(peak 3)	2.250	2.250	10	106246	.0750	ug/ml
040	AROCLOR 1260(peak 1)	7.183	7.183	20	203833	.2500	ug/ml
041	AROCLOR 1260(peak 2)	8.017	8.017	21	219191	.2500	ug/ml
042	AROCLOR 1260(peak 3)	9.217	9.217	22	341715	.2500	ug/ml
043	AROCLOR 1260(peak 4)	10.367	10.367	23	258351	.2500	ug/ml
044	AROCLOR 1260(peak 5)	11.833	11.833	24	341300	.2500	ug/ml
045	AROCLOR 1260(peak 6)	18.967	18.967	29	436253	.2500	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

********** AREA PERCENT REPORT ********** 02730

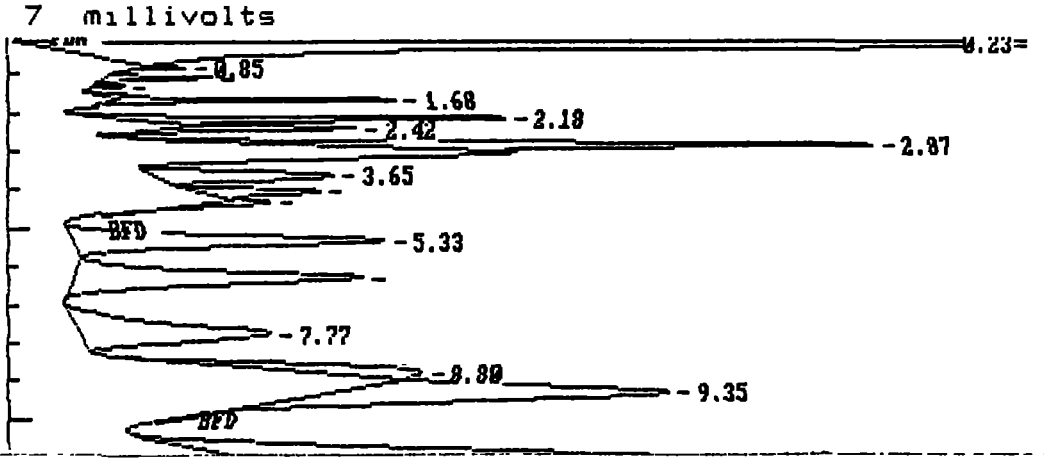
********** 05-12-1988 13:09:46 Version 4.1 **********
* Sample Name: AROCLOR 1016/1260 0.075/0.25 UG/ML Data File: J:AB1338 *
* Date: 05-12-1988 13:09:29 Method: M:ABPI *
* Interface: 10 Cycle#: 8 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector 0: ECD Detector 1: *
* Misc. Information: 4 UL INJECTION LPT1: *
****
Starting Delay: 0.00 Run Time: 0.00

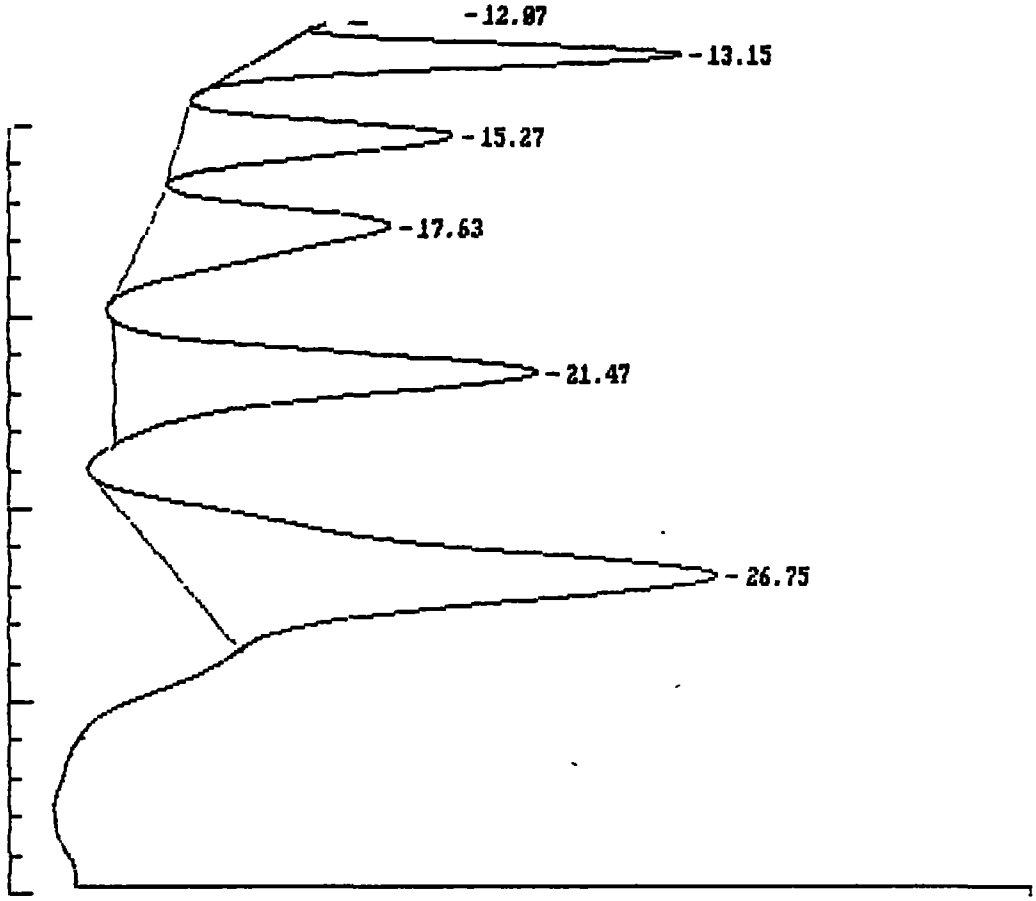
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	476567	24.5239	1	109636	100.000	4.3
2	0.85	1146	0.0590	1	324	0.240	3.5
3	1.10	4072	0.2095	1	743	0.854	5.5
4	1.33	1154	0.0594	1	233	0.242	4.9
6	1.68	11888	0.6118	1	1974	2.495	6.0
7	2.18	18929	0.9741	1	2547	3.972	7.4
8	2.42	9700	0.4991	1	1355	2.035	7.2
9	2.87	30839	1.5870	1	3531	6.471	8.7
10	3.65	18411	0.9474	1	1206	3.863	15.3
11	4.07	7793	0.4010	1	761	1.635	10.2
12	4.33	6150	0.3165	1	498	1.290	12.4
13	5.33	41492	2.1352	1	2129	8.706	19.5
14	6.30	48097	2.4750	1	1984	10.092	24.2
15	7.77	41335	2.1271	1	1294	8.673	31.9
16	8.80	15287	0.7867	1	619	3.208	24.7
17	9.35	67366	3.4666	1	2443	14.136	27.6
18	11.15	119119	6.1298	1	3246	24.995	36.7
19	12.07	18593	0.9568	1	753	3.901	24.7
20	13.15	120206	6.1857	1	2840	25.223	42.3
21	15.27	110545	5.6886	1	1852	23.196	59.7
22	17.63	138730	7.1389	1	1659	29.110	83.6
23	21.47	231492	11.9124	1	2894	48.575	80.0
24	26.75	404369	20.8086	1	3705	84.850	109.1

SS 5/12/88

Total Area: 1943278 Area Reject: 1000 One sample per 1.000 sec.

Areas, times, and heights stored in: J:AB1338.ATB
Data File = J:AB1338.PTS Printed on 05-12-1988 at 13:10:15
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mV.
Full Range: 7 millivolts




-12.07
-13.15
-15.27
-17.63
-21.47
-26.75

********** AREA PERCENT REPORT **********

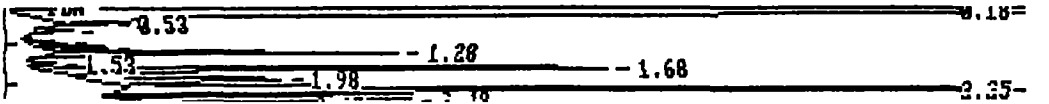
********** 05-12-1988 13:07:32 Version 4.1 **********
* Sample Name: AROCLOR 1016/1260 0.075/0.25 UG/MLData File: J:BB1338 *
* Date: 05-12-1988 13:07:14 Method: M:BBPI *
* Interface: 12 Cycle#: 8 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEG ISOTHERMAL *
* Detector 0: Detector 1: ECD *
* Misc. Information: 4 UL INJ *

Starting Delay: 0.00 Run Time: 0.00

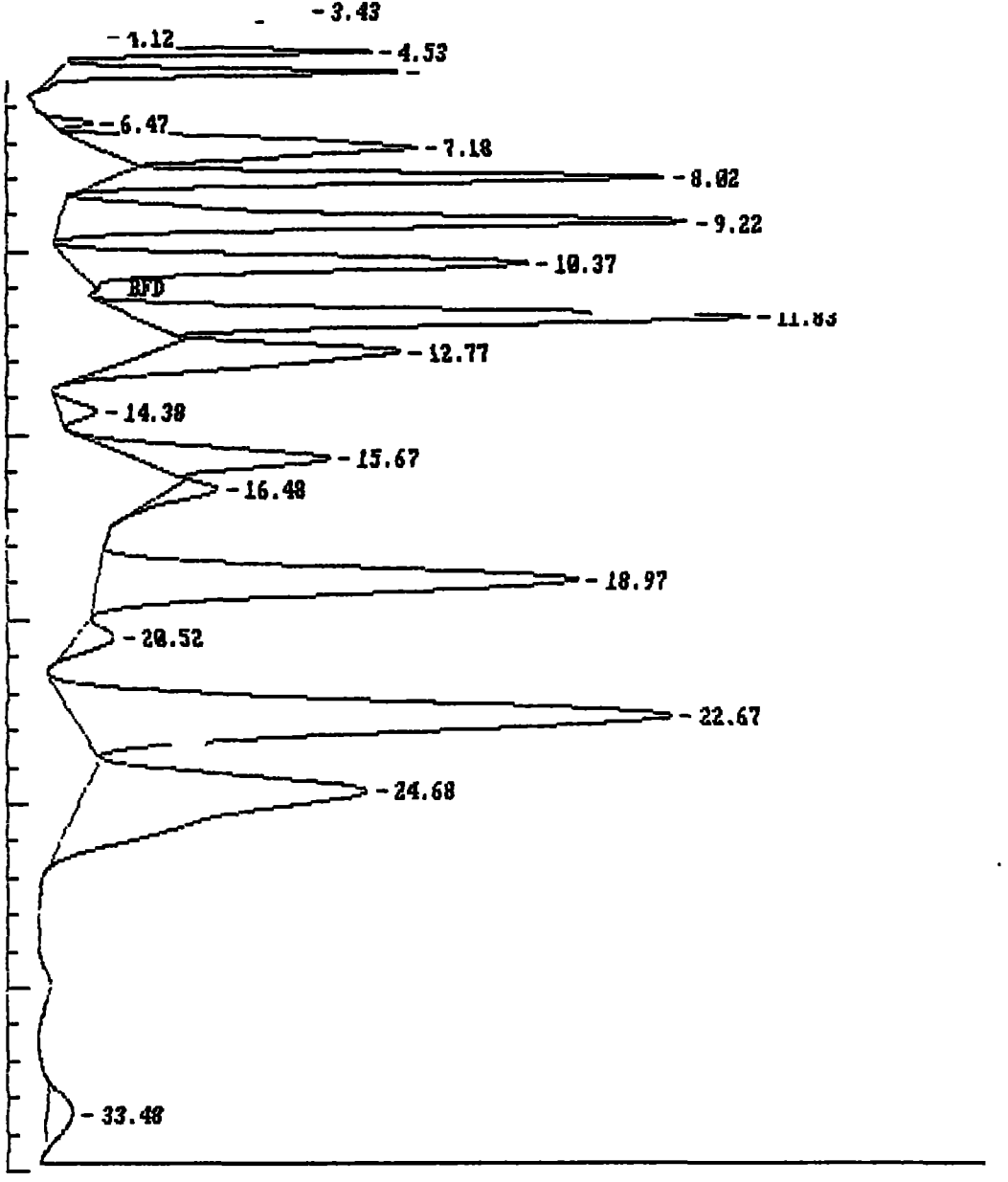
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	914772	18.9731	1	213487	100.000	4.3
2	0.53	3064	0.0635	1	947	0.335	3.2
3	0.68	3221	0.0668	1	760	0.352	4.2
4	1.02	2633	0.0546	1	647	0.288	4.1
5	1.13	4239	0.0879	1	1113	0.463	3.8
6	1.28	29998	0.6222	1	6528	3.279	4.6
7	1.53	1975	0.0410	1	511	0.216	3.9
8	1.68	58675	1.2170	1	10486	6.414	5.6
9	1.98	21426	0.4444	1	3228	2.342	6.6
10	2.25	106246	2.2036	1	16706	11.614	6.4
11	2.48	30306	0.6286	1	4985	3.313	6.1
12	2.65	10132	0.2101	1	2045	1.108	5.0
13	2.88	52666	1.0923	1	5252	5.757	10.0
14	3.43	33653	0.6980	1	3921	3.679	8.6
15	3.68	20622	0.4277	1	2505	2.254	8.2
16	4.12	8182	0.1697	1	938	0.894	8.7
17	4.53	76789	1.5927	1	6060	8.394	12.7
18	5.08	99245	2.0584	1	6688	10.849	14.8
19	6.47	9106	0.1889	1	753	0.995	12.1
20	7.18	203833	4.2276	1	6166	22.282	33.1
21	8.02	219191	4.5462	1	10851	23.961	20.2
22	9.22	341715	7.0874	1	12251	37.355	27.9
23	10.37	258351	5.3584	1	8863	28.242	29.2
24	11.83	341300	7.0788	1	11893	37.310	28.7
25	12.77	198894	4.1252	1	4874	21.742	40.8
26	14.38	20862	0.4327	1	704	2.281	29.6
27	15.67	129011	2.6758	1	3738	14.103	34.5
28	16.48	31813	0.6598	1	936	3.478	34.0
29	18.97	436252	9.0482	1	9370	47.690	46.6
30	20.52	32039	0.6645	1	765	3.502	41.9
31	22.67	654010	13.5647	1	11654	71.494	56.1
32	24.68	433069	8.9822	1	5519	47.342	78.5
33	33.48	34130	0.7079	1	512	3.731	66.7

Total Area: 4821417 Area Reject: 1000 One sample per 1.000 sec.

Areas, times, and heights stored in: J:BB1338.ATB
Data File = J:BB1338.PTS Printed on 05-12-1988 at 13:08:07
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts



SS 5/19/88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7.18
8.02
9.22
10.37
RFD
11.85
12.77
14.38
15.67
16.48
18.97
20.52
22.67
24.68
33.48

STANDARD: AROCLOR 1221 05/13/88 LIBRARY: LIBS1013 --

02734

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
026	AROCLOR 1221(peak 1)	1.683	1.683	7	29800	.1500	g/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

STANDARD: AROCLOR 1221 05/13/88 LIBRARY: L:SSMI<B

02735

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
026	AROCLOR 1221(peak 1)	1.283	1.283	7	85905	.1500	ug/m³

* = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

********** AREA PERCENT REPORT **********

********** 05-12-1988 13:47:11 Version 4.1 **********
* Sample Name: AROCLOR 1221 0.150 UG/ML Data File: J:AB1339 *
* Date: 05-12-1988 13:46:57 Method: M:ABPI *
* Interface: 1@ Cycle#: 9 Operator SS Channel#: @ Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP24[illegible] *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector @: ECD Detector 1: *
* Misc. Information: 4 UL INJECTION LPT1: * *

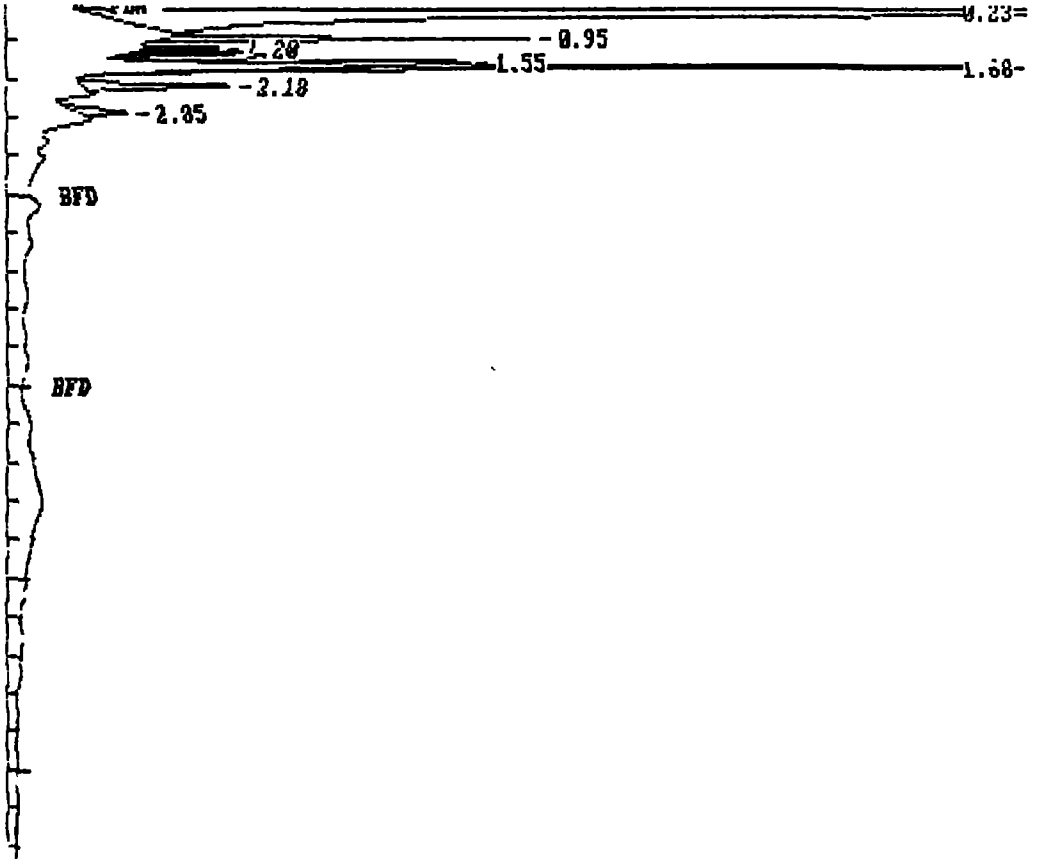
Starting Delay: 0.00 Run Time: 0.00

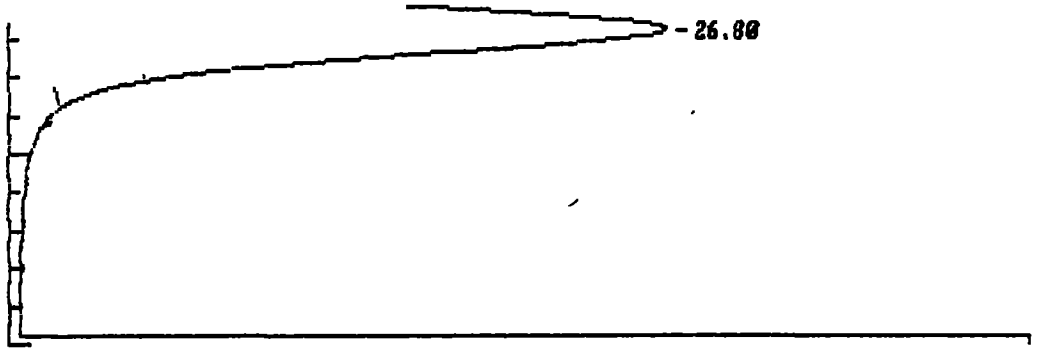
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area Height
1	0.23	485256	51.4072	1	114670	100.000	4.2
3	0.95	9833	1.0417	1	2518	2.026	3.9
4	1.20	2320	0.2458	1	558	0.478	4.2
5	1.33	3714	0.3935	1	815	0.765	4.6
6	1.55	3748	0.3971	1	915	0.772	4.1
7	1.68	29800	3.1570	1	4956	6.141	6.0
8	2.18	8115	0.8597	1	988	1.672	8.2
9	2.85	2872	0.3043	1	323	0.592	8.9
10	26.80	398288	42.1979	1	4292	82.078	92.8

Total Area: 943946 Area Reject: 1000 One sample per 1.[illegible] sec.

SS 5/19/88

Areas, times, and heights stored in: J:AB1339.ATB
Data File = J:AB1339.PTS Printed on 05-12-1988 at 13:47:39
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




-26.80

********* AREA PERCENT REPORT *********

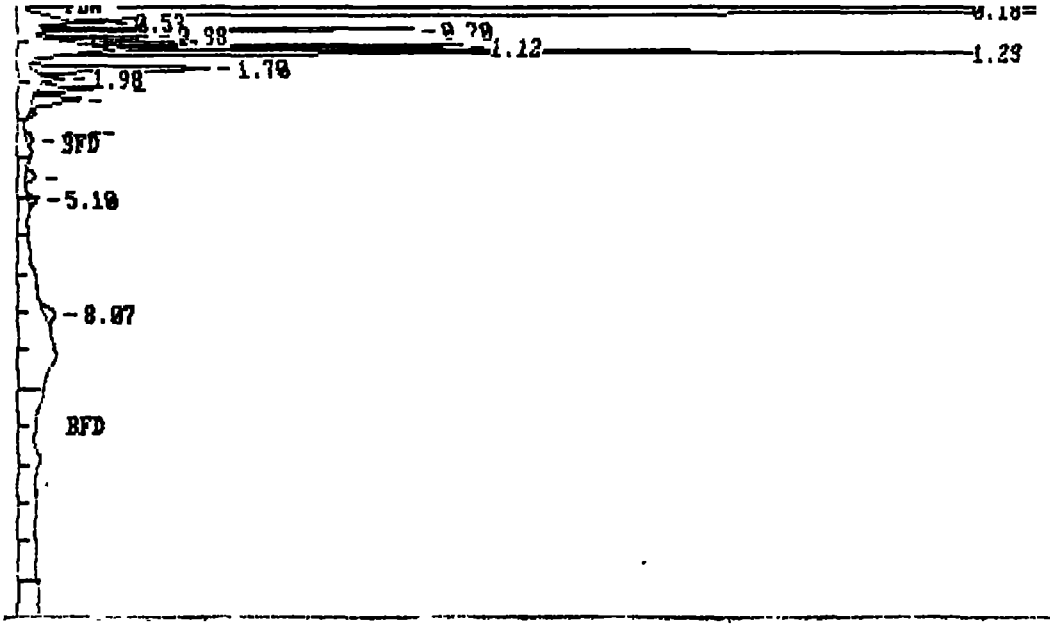
********** 05-12-1988 13:39:24 Version 4.1 **********
* Sample Name: AROCLOR 1221 0.150 UG/ML Data File: J:BB1339
* Date: 05-12-1988 13:39:07 Method: M:SBPI
* Interface: 12 Cycle#: 9 Operator SS Channel#: 0 Vial#: N.A
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ
Starting Delay: 0.00 Run Time: 0.00

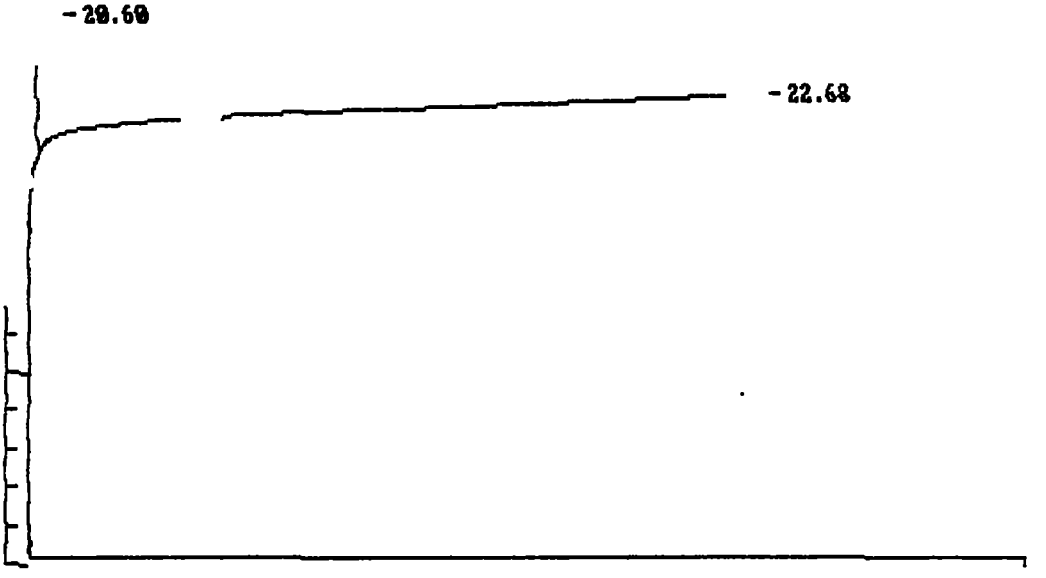
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	934150	47.5612	1	217040	100.000	4.3
2	0.53	2596	0.1321	1	796	0.278	3.3
3	0.70	23044	1.1733	1	6963	2.467	3.3
4	0.89	6221	0.3167	1	1953	0.666	3.2
5	1.02	6348	0.3232	1	1924	0.680	3.3
6	1.12	23188	1.1806	1	6815	2.482	3.4
7	1.28	65905	4.3738	1	17121	9.196	5.0
8	1.70	28317	1.4417	1	3247	3.071	8.7
9	1.98	2360	0.1202	1	418	0.253	5.6
10	2.25	10424	0.5307	1	1602	1.116	6.5
11	2.50	10191	0.5188	1	873	1.091	11.7
12	3.57	1619	0.0824	1	97	0.177	16.7
13	4.50	2933	0.1493	1	194	0.314	15.1
14	5.10	2385	0.1214	1	157	0.255	15.2
15	9.07	3809	0.1939	1	196	0.408	19.5
16	20.60	17464	0.8892	1	395	1.870	44.2
17	22.68	803149	40.8914	1	13498	85.976	59.5

SS 5/19/88

Total Area: 1964100 Area Reject: 1000 One sample per 1.0[illegible]

Areas, times, and heights stored in: J:BB1339.ATB
Data File = J:BB1339.PTS Printed on 05-12-1988 at 13:39:51
Start time: 0.00 min. Stop time: 25.00 min. Offset: 0 mv.
Full Range: 19 millivolts




-29.69
-22.68

STANDARD: AROCLOR 1232 05/17/89 LIBRARY: L:S81[illegible]

02740

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
027	AROCLOR 1232(peak 1)	1.683	1.683	7	25266	.15	ug/ml
028	AROCLOR 1232(peak 2)	2.867	2.867	10	28242	.15	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

STANDARD: AROCLOR 1232 05/13/88 LIBRARY: L:SSM[illegible]

02741

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
027	AROCLOR 1232(peak 1)	1.283	1.283	7	66845	.1500	ug/ml
028	AROCLOR 1232(peak 2)	2.250	2.250	11	95181	.1500	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

********* AREA PERCENT REPORT ********* 02742

********** 05-12-1988 14:25:43 Version 4.1 **********
* Sample Name: AROCLOR 1232 0.150 UG/ML Data File: J:AB13310 *
* Date: 05-12-1988 14:25:28 Method: M:ABPI *
* Interface: 10 Cycle#: 10 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector 0: ECD Detector 1: *
* Misc. Information: 4 UL INJECTION LPT1: * *
****

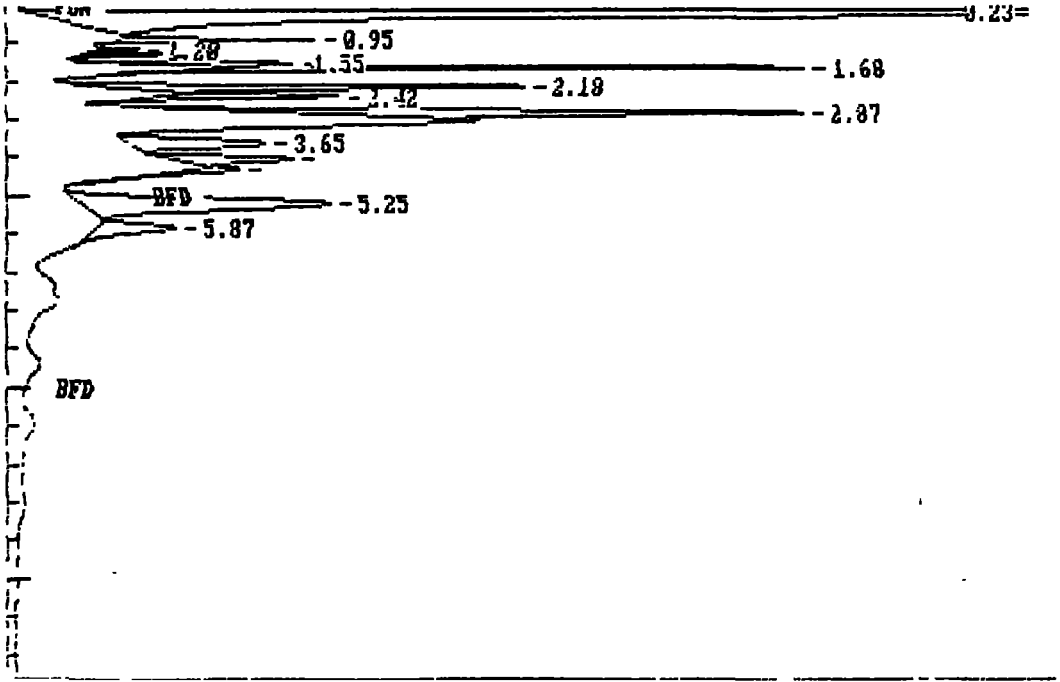
Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	464309	46.0354	1	107063	100.000	4.3
3	0.95	5268	0.5223	1	1377	1.135	3.8
4	1.20	1171	0.1161	1	312	0.252	3.8
5	1.33	2623	0.2600	1	570	0.565	4.6
6	1.55	2131	0.2113	1	534	0.459	4.0
7	1.68	25266	2.5051	1	4173	5.442	6.1
8	2.18	20517	2.0342	1	2719	4.419	7.5
9	2.42	9170	0.9092	1	1284	1.975	7.1
10	2.87	28242	2.8001	1	3254	6.082	8.7
11	3.65	13508	1.3392	1	909	2.909	14.9
12	4.07	7939	0.7871	1	757	1.710	10.5
13	4.33	4795	0.4754	1	385	1.033	12.5
14	5.25	34506	3.4212	1	1657	7.432	20.8
15	5.87	9756	0.9673	1	552	2.101	17.7
16	26.80	379392	37.6161	1	4067	81.711	93.3

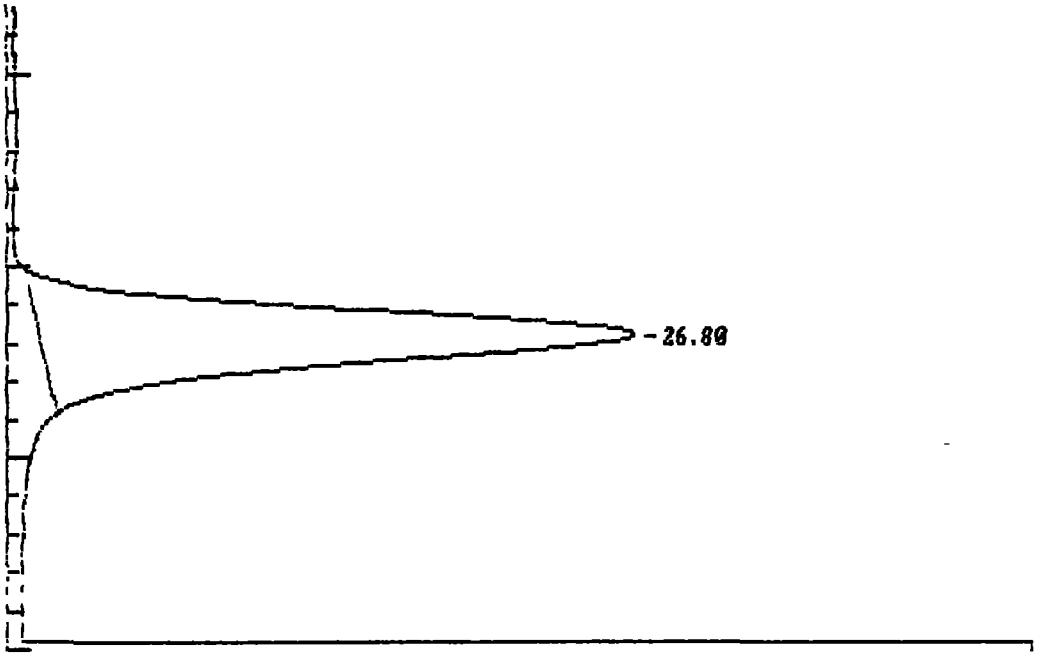
SS
5/19/88

Total Area: 1008591 Area Reject: 1000 One sample per 1.00 sec.

Areas, times, and heights stored in: J:AB13310.ATB
Data File = J:AB13310.PTS Printed on 05-12-1988 at 14:26:11
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts



02743



********** AREA PERCENT REPORT ********** 02744

********** 05-12-1988 14:16:31 Version 4.1 **********

Sample Name: AROCLOR 1232 0.150 UG/ML Data File: J:BB13310

Date: 05-12-1988 14:16:14 Method: M:BBPI

Interface: 12 Cycle#: 10 Operator SS Channel#: 0 Vial#: N.A.

Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS

Solvent Description: 1.5% SP2250/1.95% SP2401

Conditions: 190 DEG ISOTHERMAL

Detector 0: Detector 1: ECD

Misc. Information: 4 UL INJ

Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area Height
1	0.18	886829	40.6151	1	208244	100.000	4.3
2	0.53	2462	0.1128	1	758	0.279	3.2
3	0.70	13614	0.6235	1	4140	1.535	3.3
4	0.88	3774	0.1728	1	1171	0.426	3.2
5	1.02	4572	0.2094	1	1394	0.516	3.3
6	1.12	14028	0.6425	1	4094	1.582	3.4
7	1.28	66845	3.0613	1	15798	7.537	4.2
8	1.53	1601	0.0733	1	437	0.181	3.7
9	1.68	60696	2.7798	1	10061	6.944	6.0
10	1.98	19977	0.9149	1	3033	2.253	6.6
11	2.25	95181	4.3591	1	15078	10.733	6.3
12	2.48	27848	1.2754	1	4619	3.140	6.0
13	2.65	10300	0.4717	1	1990	1.161	5.2
14	2.88	40222	1.8421	1	4040	4.535	10.0
15	3.43	28203	1.2916	1	3313	3.180	8.5
16	3.68	15857	0.7262	1	1961	1.788	8.1
17	4.13	11360	0.5203	1	1346	1.281	8.4
18	4.40	48604	2.2259	1	3939	5.481	12.3
19	5.22	45595	2.0882	1	2841	5.141	16.0
20	6.50	6344	0.2905	1	278	0.715	22.8
21	7.03	7803	0.3574	1	437	0.880	17.8
22	8.10	10302	0.4718	1	376	1.162	27.4
23	10.38	5007	0.2293	1	221	0.565	22.7
24	20.62	33204	1.5207	1	696	3.744	47.7
25	22.68	723273	33.1245	1	12207	81.557	59.2

SS 5/19/88

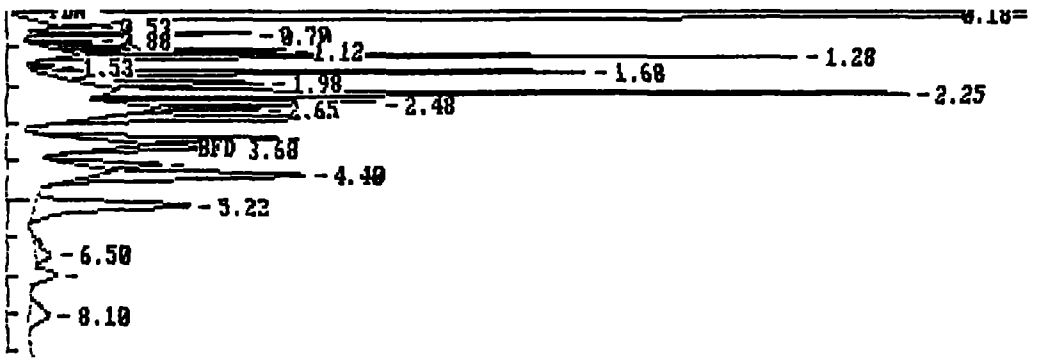
Total Area: 2183498 Area Reject: 1000 One sample per 1.[illegible] sec

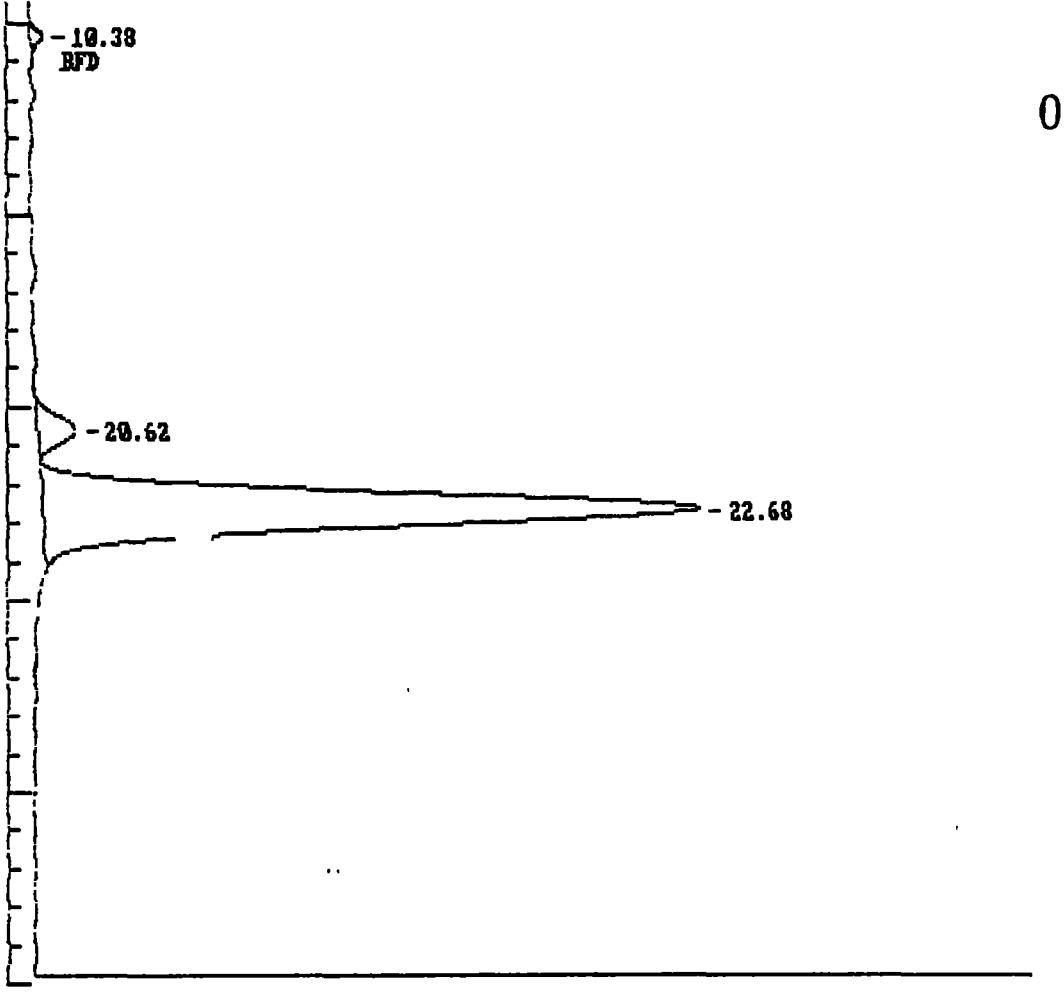
Areas, times, and heights stored in: J:BB13310.ATB

Data File = J:BB13310.PTS Printed on 05-12-1988 at 14:17:07

Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.

Full Range: 19 millivolts




10.38
BFD
20.62
22.68

STANDARD: AROCLOR 1242 05/13/88 LIBRARY: L:3S1018 --

02746

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
029	AROCLOR 1242(peak 1)	1.683	1.683	6	9440	.0750	ug/ml
030	AROCLOR 1242(peak 2)	2.183	2.183	7	15860	.0750	ug/ml
031	AROCLOR 1242(peak 3)	2.867	2.867	9	25762	.0750	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

STANDARD: AROCLOR 1242 05/13/88 LIBRARY: L:SSMIXB

02747

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
029	AROCLOR 1242(peak 1)	1.283	1.283	6	25134	.0750	ug/ml
030	AROCLOR 1242(peak 2)	1.683	1.683	8	50457	.0750	ug/ml
031	AROCLOR 1242(peak 3)	2.250	2.250	10	87434	.0750	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

********** AREA PERCENT REPORT ********** 02748

*** 05-12-1998 15:[illegible]:16 Version 4.1 ***

Sample Name: [illegible] 1242 0.075 UG/ML Data File: J:[illegible]

Rate: [illegible] Method: M:A2P[illegible]

[illegible] Signal#: 1 Type: PB Channel#: 0 Vial#: [illegible]

[illegible] Peak Width: 12 Threshold: 100

[illegible] Type: US 5800 Solvent Type: [illegible]

Solvent Description: [illegible]

Conditions: 10% DEGREES CENTIGRADE

Detector 1: 320 Detector 2:

Misc. Information: 4 UL INJECTION

Starting Delay: 0.00 Run Time: [illegible]

Peak No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	[illegible]	[illegible]
1	0.87	454532	47.2809	1	105734	100.000	[illegible]
2	0.85	1553	0.1615	1	325	0.742	4.8
3	1.10	2274	0.2365	1	410	0.537	5.5
4	1.58	9440	0.9820	1	1584	2.477	5.9
5	2.18	15860	1.6498	1	2144	3.489	7.4
6	2.42	9332	0.9667	1	1163	1.533	7.2
7	2.87	25762	2.6799	1	2945	5.668	8.7
8	3.47	12610	1.3117	1	843	2.774	15.0
9	4.17	7125	0.7412	1	620	1.568	11.5
10	4.77	4451	0.4630	1	762	0.979	5.8
11	5.25	21826	2.2705	1	1677	4.802	13.0
12	5.87	9182	0.9551	1	912	2.021	10.0
13	24.90	379398	39.4614	1	4 16	83.478	94.7

Total Area: 961742 Area Reject: [illegible]

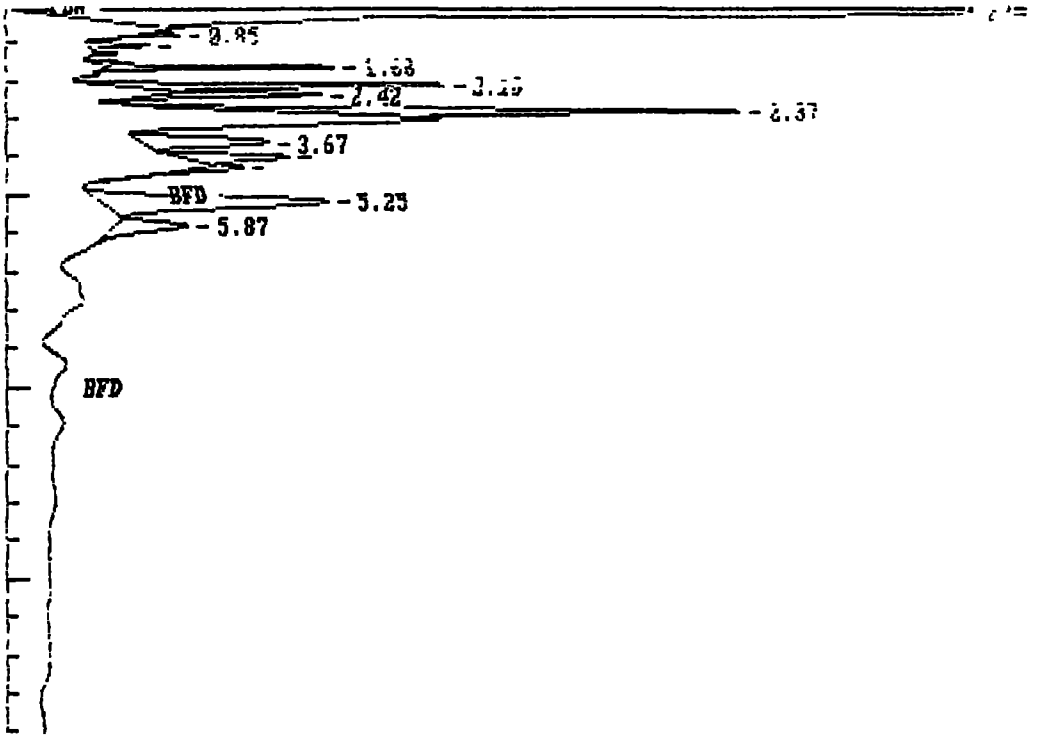
SS 5/19/98

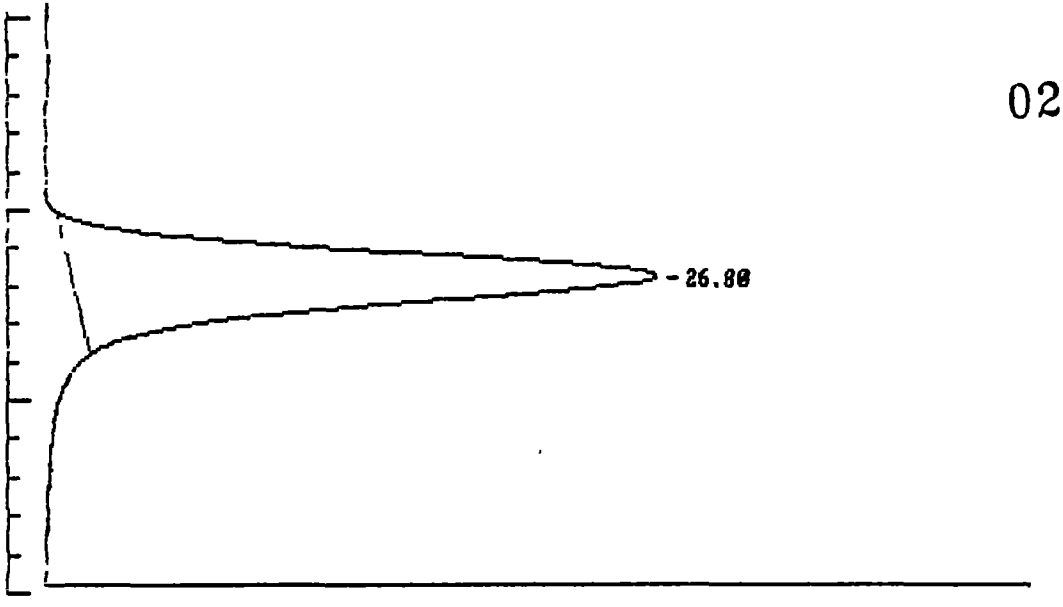
Peak, times, and heights stored in: J:AB[illegible]

Data File = J:AB[illegible].PTS Printed on 05-[illegible]-1998 at 15:[illegible]

Start Time: [illegible] min Stop Time: [illegible] Offset: [illegible]

Full Range: [illegible] millivolts




26.80

********** AREA PERCENT REPORT ********** 02750

******************** 05-12-1988 14:55:38 Version 4.1 **********

* Sample Name: APOCLOR 1242 0.075 UG/ML Data File: J:BB1[illegible]11
- Data: 05-12-1988 14:55:21 Method: M:SBPI
- Interface: 12 Cycle#: 11 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

****

+ Instrument Type: HP 5880A Column Type: oFT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
+ Conditions: 190 DEG ISOTHERMAL
- Detector 0: Detector 1: ECD
+ Misc. Information: 4 UL INJ

****

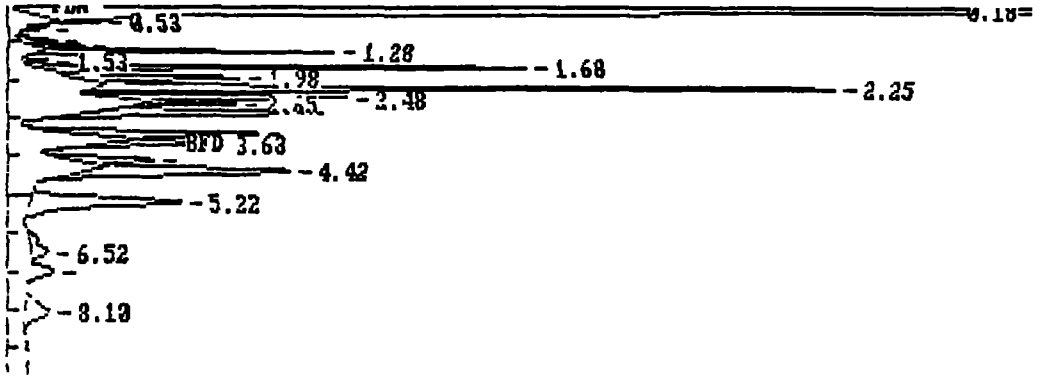
Starting Delay: 0.00 Run Time: 0.00

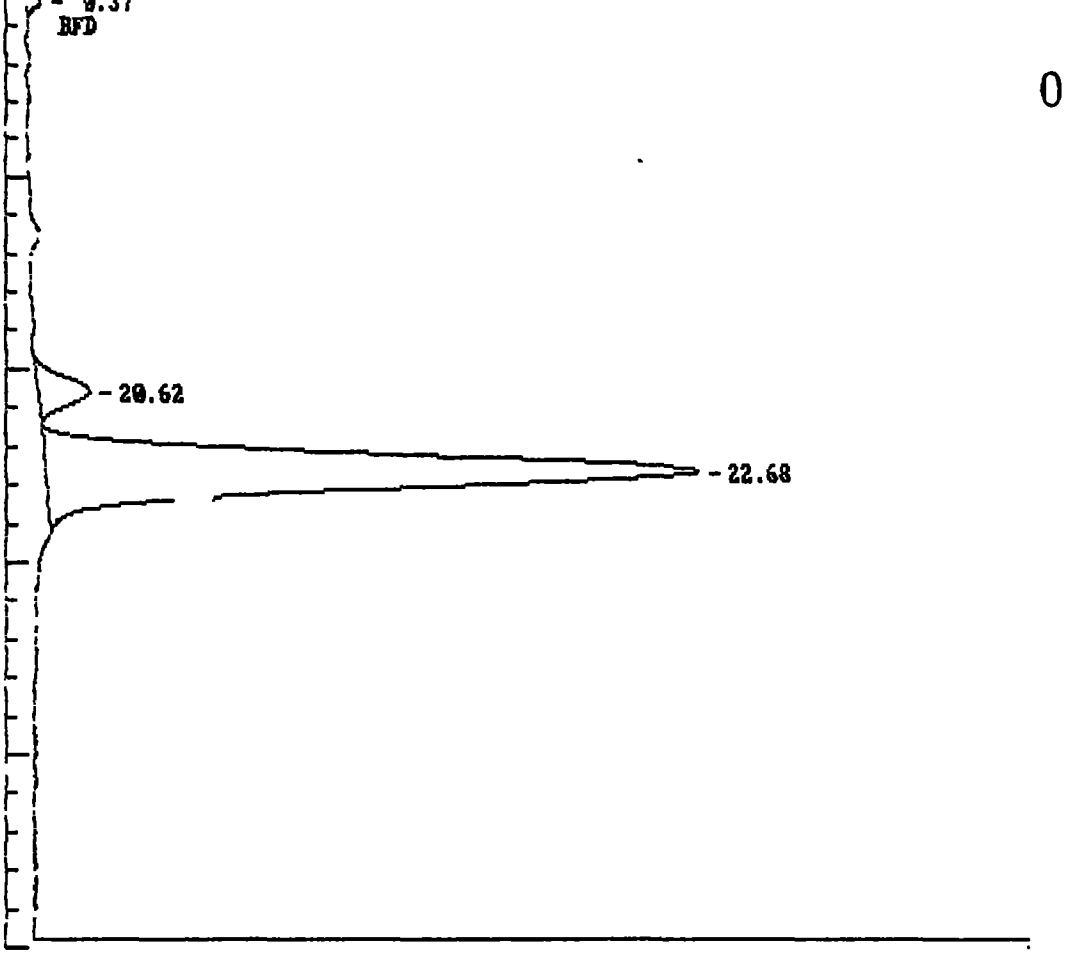
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	850999	41.3952	1	196404	100.000	4.3
2	0.53	2870	0.1396	1	900	0.337	3.2
3	0.68	1380	0.0671	1	375	0.152	3.7
4	1.02	2894	0.1408	1	615	0.340	4.7
5	1.13	3224	0.1568	1	856	0.379	3.8
6	1.28	25134	1.2226	1	5451	2.953	4.6
7	1.53	1579	0.0768	1	419	0.185	3.8
8	1.68	50457	2.4544	1	9034	5.929	5.6
9	1.98	18562	0.9029	1	2802	2.181	6.6
10	2.25	87434	4.2530	1	13879	10.274	6.3
11	2.48	25586	1.2446	1	4239	3.007	6.0
12	2.65	8960	0.4358	1	1749	1.053	5.1
13	2.88	38540	1.8747	1	3864	4.529	10.0
14	3.43	26383	1.2833	1	3112	3.100	8.5
15	3.68	15307	0.7446	1	1868	1.799	8.1
16	4.12	10936	0.5319	1	1367	1.285	8.0
17	4.42	46242	2.2493	1	3801	5.434	12.2
18	5.22	44189	2.1495	1	2747	5.193	16.1
19	6.52	7415	0.3607	1	299	0.871	24.8
20	7.02	8072	0.3926	1	449	0.949	18.0
21	8.10	11557	0.5622	1	434	1.359	26.6
22	10.37	5722	0.2783	1	245	0.672	23.4
23	20.62	46135	2.2441	1	949	5.421	48.6
24	22.68	716127	34.8346	1	12165	84.151	58.9

Total Area: 2055794 Area Reject: 1000 One sample per [illegible]

SS 5/19/88

Areas, times, and heights stored in: J:BB1[illegible]11.ATB
Data File = J:BB1[illegible]11.PTS Printed on 05-12-1988 at 14:56:08
Start time: 0.00 min. Stop time: [illegible]5.00 min. Offset: [illegible] mv.
Full Range: 19 millivolts




BFD
20.62
22.68

STANDARD: AROCLOR 1248 05/13/88 LIBRARY: L:SS1012 --

02752

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
032	AROCLOR 1248(peak 1)	2.867	2.867	7	122268	.1500	ug/ml
033	AROCLOR 1248(peak 2)	4.050	4.050	9	17565	.1500	ug/ml
034	AROCLOR 1248(peak 3)	5.250	5.250	11	138962	.1500	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

STANDARD: AROCLOR 1248 05/13/88 LIBRARY: LSSMIXB

02753

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
032	AROCLOR 1248(peak 1)	2.250	2.250	10	154090	.1500	ug/ml
033	AROCLOR 1248(peak 2)	2.883	2.883	13	156647	.1500	ug/ml
034	AROCLOR 1248(peak 3)	4.417	4.417	17	185596	.1500	ug/ml

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

********** AREA PERCENT REPORT **********

02754

********** 05-12-1988 15:45:01 Version 4.1 **********
* Sample Name: AROCLOR 1248 0.150 UG/ML Data File: J:AB13312 *
* Date: 05-12-1988 15:44:44 Method: M:ABPI *
* Interface: 10 Cycle#: 12 Operator SS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS *
* Solvent Description: 1.5% SP2250/1.95% SP2401 *
* Conditions: 190 DEGREES ISOTHERMAL *
* Detector 0: ECD Detector 1: *
* Misc. Information: 4 UL INJECTION LPT1: *

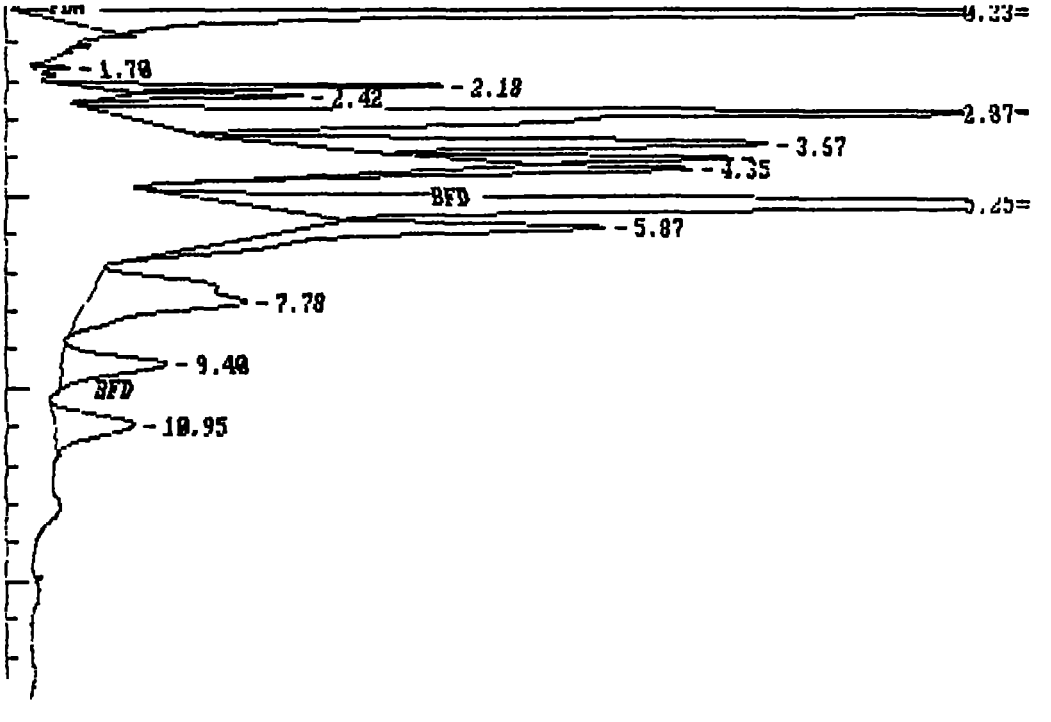
Starting Delay: 0.00 Run Time: 0.00

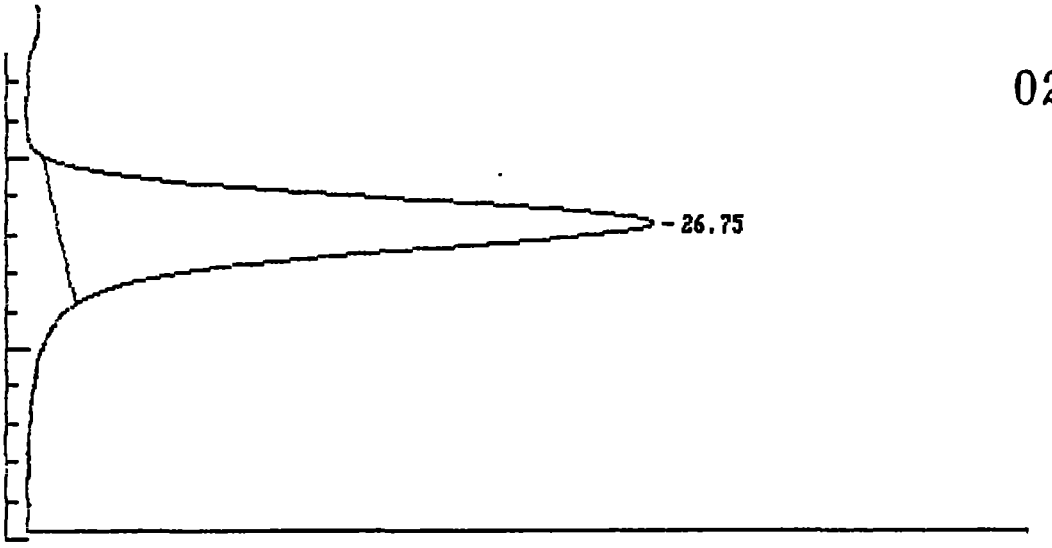
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	645597	40.9298	1	141375	100.000	4.6
2	1.70	1297	0.0822	1	235	0.201	5.5
3	2.18	17838	1.1309	1	2379	2.763	7.5
4	2.42	9478	0.6009	1	1288	1.468	7.4
5	2.87	122268	7.7516	1	7594	18.939	16.1
6	3.67	49757	3.1545	1	3161	7.707	15.7
7	4.05	17565	1.1136	1	1800	2.721	9.8
8	4.35	23320	1.4785	1	1803	3.612	12.9
9	5.25	138962	8.8099	1	6404	21.524	21.7
10	5.97	50882	3.2258	1	2100	7.881	24.2
11	7.78	57032	3.6047	1	1099	8.830	52.0
12	9.40	23238	1.4733	1	719	3.599	32.3
13	10.95	20075	1.2727	1	542	3.110	37.0
14	26.75	399720	25.3416	1	4088	61.915	97.8

Total Area: 1577328 Area Reject: 1000 One sample per [illegible] sec

SS 5/10/88

Areas, times, and heights stored in: J:AB13312.ATB
Data File = J:AB13312.PTS Printed on 05-12-1988 at 15:45:30
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 7 millivolts




26.75

********** AREA PERCENT REPORT **********

02756

********** 05-12-1988 15:34:27 Version 4.1 **********

* Sample Name: AROCLOR 1248 0.150 UG/ML Data File: J:BB13312
* Date: 05-12-1988 15:34:11 Method: M:BBPI
* Interface: 12 Cycle#: 12 Operator SS Channel#: 0 Vial#: N.A.
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
* Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
* Solvent Description: 1.5% SP2250/1.95% SP2401
* Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
* Misc. Information: 4 UL INJ

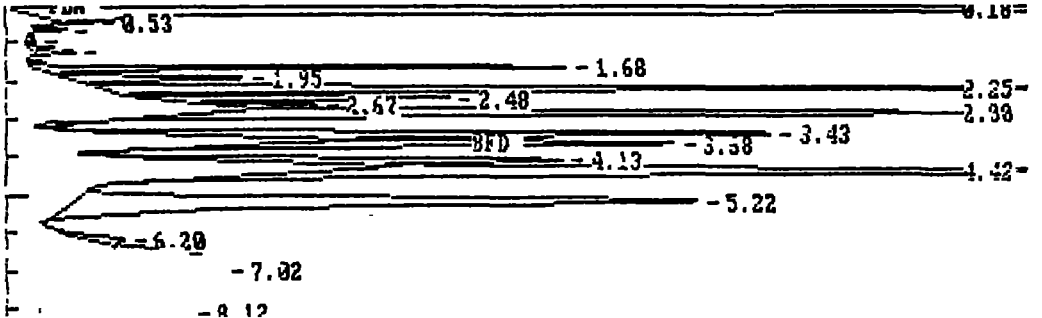
Starting Delay: 0.00 Run Time: 0.00

Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	1227026	37.8566	1	293835	100.000	4.2
2	0.53	2362	0.0729	1	709	0.192	3.3
3	0.70	3106	0.0958	1	666	0.253	4.7
4	1.00	1397	0.0431	1	209	0.114	6.7
5	1.17	1572	0.0485	1	398	0.128	3.9
6	1.30	3628	0.1119	1	792	0.296	4.6
8	1.68	52712	1.6263	1	9958	4.296	5.3
9	1.95	23073	0.7119	1	3213	1.880	7.2
10	2.25	154090	4.7540	1	24970	12.558	6.2
11	2.48	31720	0.9786	1	5352	2.585	5.9
12	2.67	6331	0.1953	1	1447	0.516	4.4
13	2.88	156647	4.8329	1	14742	12.766	10.6
14	3.43	83918	2.5891	1	10091	6.839	8.3
15	3.68	69101	2.1319	1	8013	5.632	8.6
16	4.13	44520	1.3735	1	5277	3.628	8.4
17	4.42	185596	5.7261	1	14919	15.126	12.4
18	5.22	200894	6.1981	1	11719	16.372	17.1
19	6.20	5774	0.1781	1	505	0.471	11.4
20	6.53	19943	0.6153	1	1352	1.625	14.7
21	7.02	45237	1.3957	1	2680	3.687	16.9
22	8.12	76592	2.3630	1	2779	6.242	27.6
23	9.22	9679	0.2986	1	346	0.789	28.0
24	10.38	47724	1.4724	1	1925	3.889	24.8
25	11.87	12769	0.3939	1	472	1.041	27.1
26	20.62	125628	3.8759	1	2500	10.238	50.3
27	22.70	650209	20.0605	1	11184	52.991	58.1

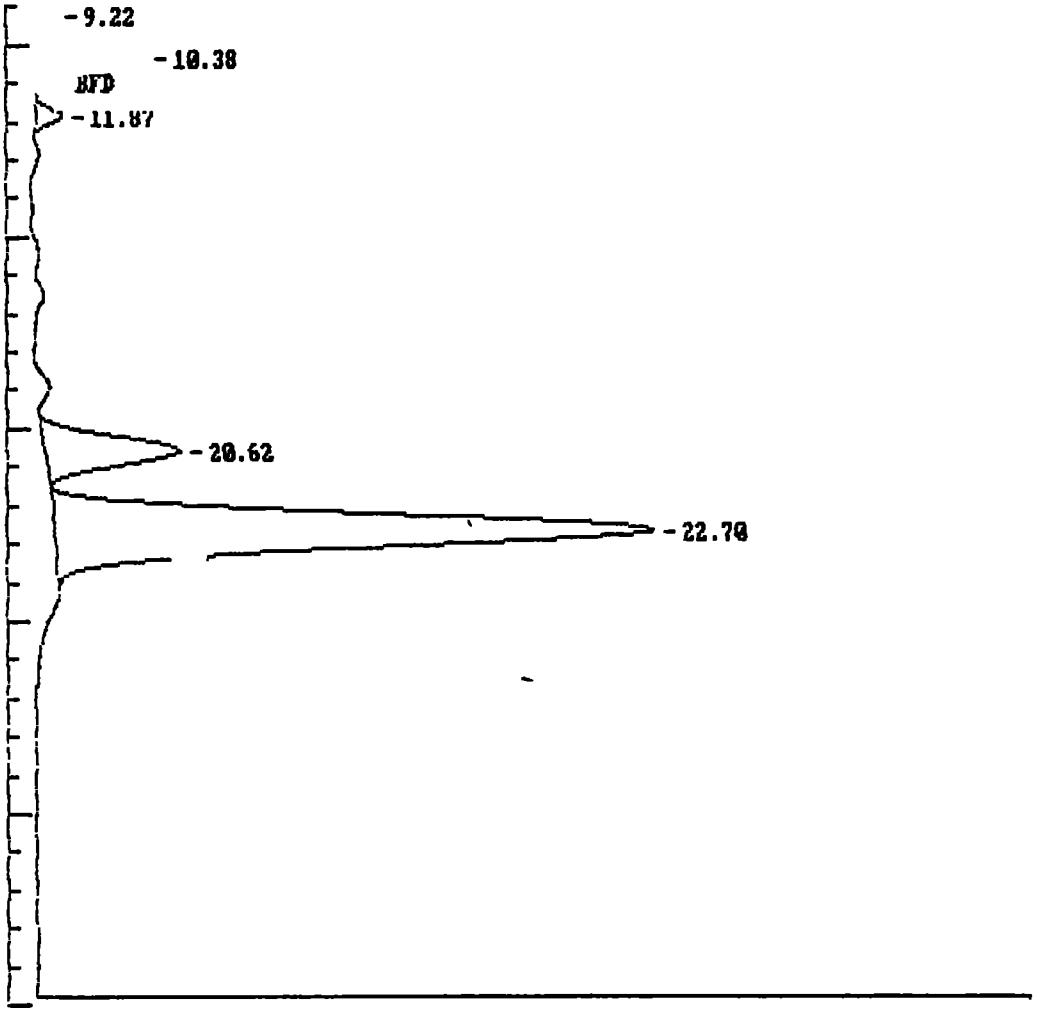
Total Area: 3241244 Area Reject: 1000 One sample per [illegible] sec.

SS 5/19/88

Areas, times, and heights stored in: J:BB13312.ATB
Data File = J:BB13312.PTS Printed on 05-12-1988 at 15:34:57
Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
Full Range: 19 millivolts



02757



STANDARD: AROCLOR 1254 05/13/88 LIBRARY: L:881012 _ _

02758

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
035	AROCLOR 1254(peak 1)	5.317	5.317	5	85960	.150	ng/[illegible]
036	AROCLOR 1254(peak 2)	6.300	6.300	6	98392	.1500	ng/[illegible]
037	AROCLOR 1254(peak 3)	7.817	7.817	8	42796	.1500	ng/[illegible]
038	AROCLOR 1254(peak 4)	9.400	9.400	9	107046	.1500	ng/[illegible]
039	AROCLOR 1254(peak 5)	11.050	11.050	10	88124	.1500	ng/[illegible]

^ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

STANDARD: AROCLOR 1254 05/13/88 LIBRARY: LASMIX3

02759

LIB ENT	COMPONENT NAME	RETENTION TIME EXPECTED	RETENTION TIME MEASURED	PEAK NUMB	PEAK AREA	AMOUNT	UNITS
035	AROCLOR 1254(peak 1)	5.100	5.100	16	217277	.1500	[illegible]
036	AROCLOR 1254(peak 2)	7.017	7.017	18	161582	.1500	[illegible]
037	AROCLOR 1254(peak 3)	8.100	8.100	19	225743	.1500	[illegible]
038	AROCLOR 1254(peak 4)	10.367	10.367	21	188806	.1500	[illegible]
039	AROCLOR 1254(peak 5)	11.867	11.867	22	215607	.1500	[illegible]

~ = CALCULATED BY INTERPOLATION OUTSIDE THE RANGE OF APPLICABILITY

********** AREA PERCENT REPORT **********

02760

********** 05-12-1988 16:24:50 Version 4.1 **********

Sample Name: AROCLOR 1254 0.150 UG/ML Data File: J:AB13313

Date: 05-12-1988 16:24:35 Method: M:ABPI

Interface: 10 Cycle#: 13 Operator SS Channel#: 0 Vial#: N.A.

Starting Peak Width: 10 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS

Solvent Description: 1.5% SP2250/1.95% SP2401

Conditions: 190 DEGREES ISOTHERMAL

Detector 0: ECD Detector 1:

Misc. Information: 4 UL INJECTION LPT1:

Starting Delay: 0.00 Run Time: 0.00

Pk. No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.23	593606	50.3992	1	138700	100.000	4.3
2	1.12	1074	0.0912	1	225	0.181	4.8
3	3.58	30485	2.5883	1	2277	5.136	13.4
4	4.03	8800	0.7471	1	797	1.482	11.0
5	5.32	85860	7.2898	1	3820	14.464	22.5
6	6.30	99392	8.3538	1	3264	16.575	30.1
7	7.37	14359	1.2191	1	680	2.419	21.1
8	7.82	42796	3.6335	1	1912	7.210	22.4
9	9.40	107046	9.0896	1	2986	18.033	35.8
10	11.05	88124	7.4820	1	2172	14.846	40.6
11	13.17	93855	7.9686	1	1869	15.811	50.2
12	15.33	13411	1.1386	1	321	2.259	41.8

SS
5/19/88

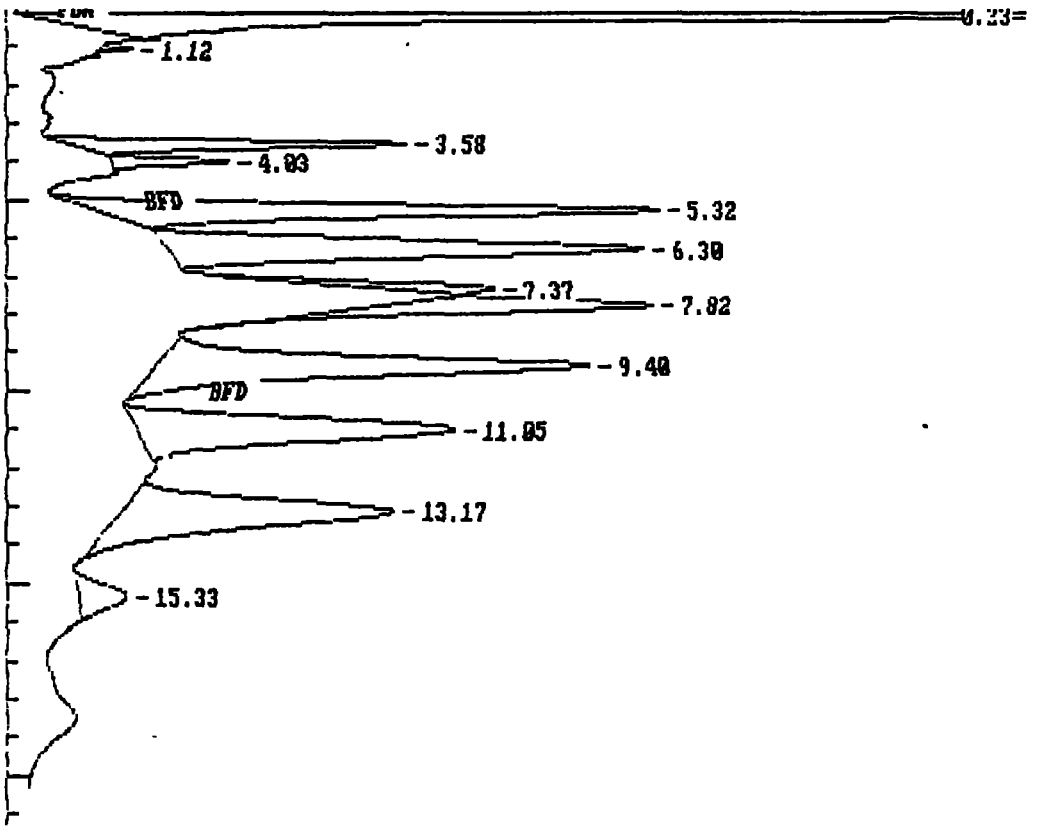
Total Area: 1177807 Area Reject: 1000 One sample per 1,000 sec.

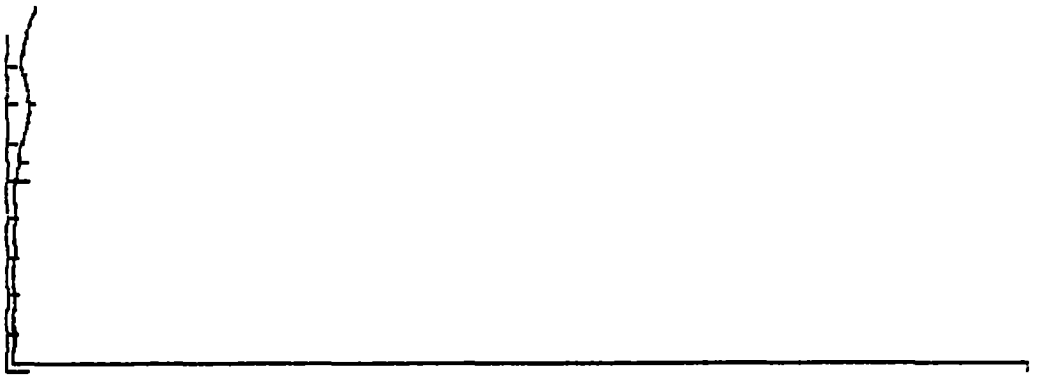
Areas, times, and heights stored in: J:AB13313.ATB

Data File = J:AB13313.PTS Printed on 05-12-1988 at 16:25:20

Start time: 0.00 min. Stop time: 35.00 min. Offset: 0 m..

Full Range: 7 millivolts





********** AREA PERCENT REPORT **********

02762

********** 05-12-1988 16:13:46 Version 4.1 **********

* Sample Name: AROCLOR 1254 0.150 UG/ML Data File: J:BB13313
+ Date: 05-12-1988 16:13:28 Method: M:BBPI
+ Interface: 12 Cycle#: 13 Operator SS Channel#: 0 Vial#: N.A.
+ Starting Peak Width: 10 Threshold: 1 Area Threshold: 100
+ Instrument Type: HP 5880A Column Type: 6FT X 2MM ID GLASS
+ Solvent Description: 1.5% SP2250/1.95% SP2401
+ Conditions: 190 DEG ISOTHERMAL
* Detector 0: Detector 1: ECD
+ Misc. Information: 4 UL INJ

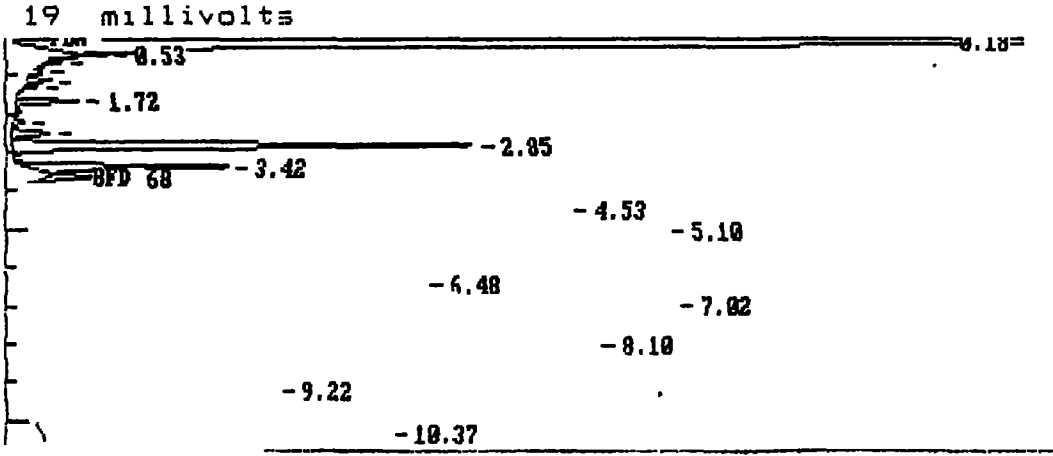
Starting Delay: 0.00 Run Time: 0.00

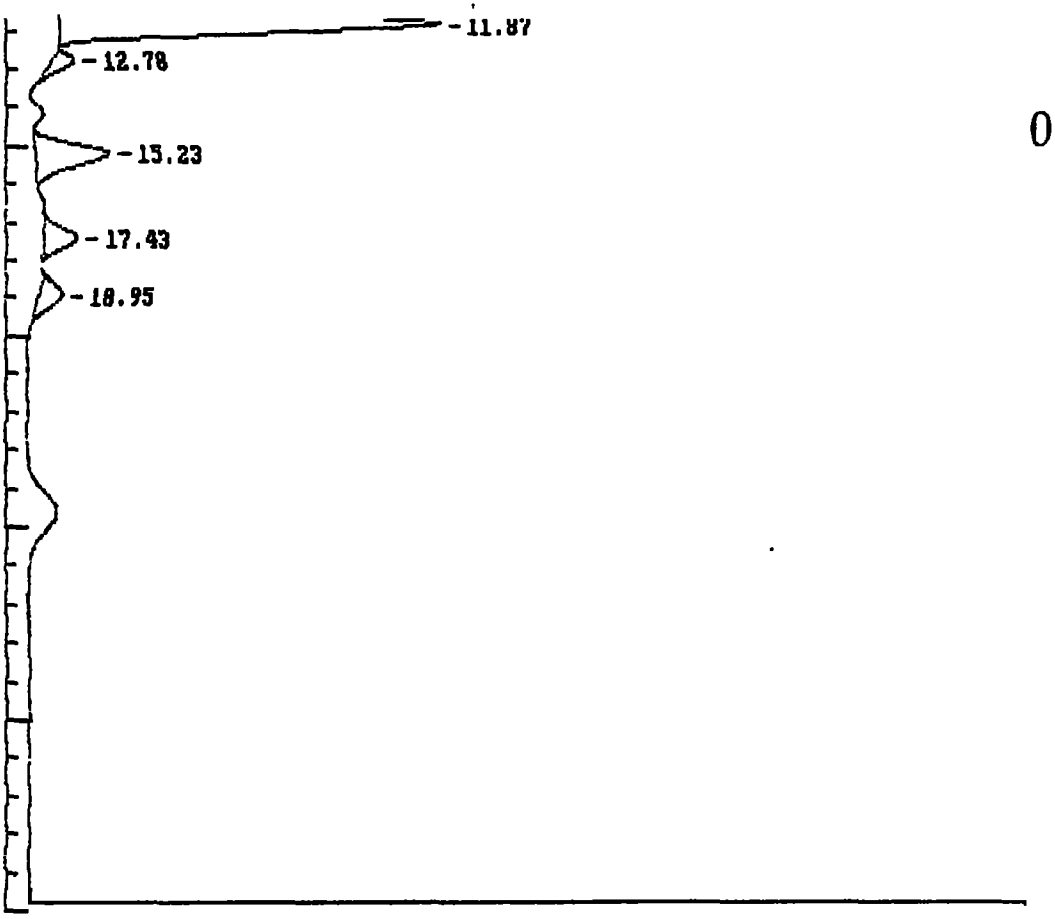
Pk No.	Ret Time	Peak Area	Area %	B L	Peak Ht.	Normalized %	Area/ Height
1	0.18	1177784	41.8648	1	284976	100.000	4.1
2	0.53	2128	0.0756	1	609	0.181	3.5
3	0.70	1548	0.0550	1	282	0.131	5.5
4	0.92	1434	0.0510	1	180	0.122	8.0
5	1.17	2305	0.0819	1	454	0.196	5.1
6	1.33	1456	0.0517	1	265	0.124	5.5
7	1.72	7517	0.2672	1	1165	0.638	6.5
9	2.25	1144	0.0407	1	177	0.097	6.5
10	2.55	5675	0.2017	1	697	0.482	8.1
11	2.85	76984	2.7364	1	8561	6.536	9.0
12	3.42	29572	1.0511	1	3548	2.511	8.3
13	3.68	7049	0.2506	1	910	0.598	7.7
14	4.13	3191	0.1134	1	481	0.271	6.6
15	4.53	133603	4.7490	1	8161	11.344	16.4
16	5.10	217277	7.7232	1	10203	18.448	21.3
17	6.48	123301	4.3828	1	5229	10.469	23.6
18	7.02	161682	5.7479	1	9678	13.728	16.7
19	8.10	225743	8.0241	1	9361	19.167	24.1
20	9.22	121474	4.3178	1	4225	10.314	28.7
21	10.37	188806	6.7112	1	6386	16.031	29.6
22	11.87	215607	7.6638	1	7046	18.306	30.6
23	12.78	12145	0.4317	1	410	1.031	29.6
24	15.23	54274	1.9292	1	1362	4.608	39.9
25	17.43	22949	0.8157	1	608	1.948	37.8
26	18.95	18659	0.6632	1	446	1.584	41.9

SS 5/19/88

Total Area: 2813303 Area Reject: 1000 One sample per 1.000 sec.

Areas, times, and heights stored in: J:BB13313.ATB
Data File = J:BB13313.PTS Printed on 05-12-1988 at 16:14:16
Start time: 0.00 min. Stop time: 35.00 min. Offset: 3 mv.
Full Range: 19 millivolts





02763