No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
21	14:51	1.00	0.773	1.00	157.59	50.00	1.618	0.513	3.15
22	16:33	1.00	0.862	1.01	92.14	29.00	1.536	0.484	3.18
23	15:42	1.00	0.818	1.00	154.92	50.00	1.095	0.353	3.10
24	16:30	1.00	0.859	1.00	165.55	50.00	1.310	0.396	3.31
25	16:36	1.00	0.865	1.00	162.33	50.00	0.962	0.296	3.25
26	16:15	1.00	0.846	1.00	154.98	50.00	3.215	1.037	3.10
27	15:06	1.00	0.786	1.01	219.73	70.00	1.812	0.577	3.14
28	17:45	1.00	0.924	1.00	152.76	50.00	0.571	0.187	3.06
29	19:39	0.99	1.023	1.00	165.01	50.00	1.026	0.311	3.30
30	25:00	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
31	21:51	1.00	0.874	1.00	148.89	50.00	0.510	0.171	2.98
32	20:03	1.00	0.802	1.00	149.53	50.00	0.524	0.175	2.99
33	22:15	1.00	0.890	1.00	152.69	50.00	1.183	0.387	3.05
34	22:18	1.00	0.892	1.00	168.01	50.00	1.913	0.569	3.36
35	23:45	1.00	0.950	1.00	147.32	50.00	2.051	0.696	2.95
36	25:06	1.00	1.004	1.00	146.51	50.00	2.533	0.864	2.93
37	27:12	1.00	1.088	1.00	145.06	50.00	1.274	0.439	2.90
38	30:18	1.00	1.212	1.00	147.39	50.00	2.821	0.957	2.95
39	31:06	1.00	1.244	1.00	144.48	50.00	1.581	0.547	2.89
40	29:21	1.00	1.174	1.00	48.61	50.00	0.687	0.706	0.97
41	23:33	1.00	0.942	1.00	49.24	50.00	1.113	1.130	0.98
42	30:27	1.00	1.218	1.00	146.80	50.00	1.671	0.569	2.94

01753

US EPA RECORDS CENTER REGION 5
514052

QUANTITATION REPORT FILE: STDW447SM

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

01754

NO	NAME			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	1,4-DIFLUOROBENZENE	114	SE2#	15
3	CHLOROBENZENE-D5	117	E2#	30
4	D8-TOLUENE	98	SE2#	41
5	BROMOFLUOROBENZENE	95	SE2#	40
6	D4-1,2-DICHLOROETHANE	65	SE2#	14
7	CHLOROMETHANE	50	E2#	02SP
8	BROMOMETHANE	94	E2#	03
9	VINYL CHLORIDE	62	E2#	04CC
10	CHLORETHANE	64	E2#	05
11	METHYLENE CHLORIDE	84	E2#	06
12	ACETONE	58	E2#	07
13	CARBON DISULFIDE	76	E2#	08
14	1,1-DICHLOROETHENE	61	E2#	09
15	1,1-DICHLOROETHANE	63	E2#	10SP
16	TRANS-1,2-DICHLOROETHENE	61	E2#	11
17	CHLOROFORM	83	E2#	12CC
18	1,2-DICHLOROETHANE	62	E2#	13
19	2-BUTANONE	72	E2#	16
20	1,1,1-TRICHLOROETHANE	97	E2#	17
21	CARBONTETRACHLORIDE	117	E2#	18
22	VINYL ACETATE	43	E2#	19
23	BROMODICHLOROMETHANE	83	E2#	20
24	1,2-DICHLOROPROPANE	63	E2#	21CC
25	TRICHLORETHENE	130	E2#	23
26	DIBROMOCHLOROMETHANE	129	E2#	24
27	1,1,2-TRICHLOROETHANE	97	E2#	25
28	BENZENE	78	E2#	26
29	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
30	CIS-1,3-DICHLOROPROPENE	75	E2#	27
31	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
32	BROMOFORM	173	E2#	29SP
33	2-HEXANONE	58	E2#	31
34	4-METHYL-2-PENTANONE	58	E2#	32
35	TETRACHLOROETHENE	164	E2#	33
36	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP
37	TOLUENE	92	E2#	35
38	CHLOROBENZENE	112	E2#	36SP
39	ETHYLBENZENE	106	E2#	37
40	STYRENE	104	E2#	38
41	O-XYLENE	106	E2#	39
42	M-XYLENE	106	E2#	42

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	160	8:00	1	1.000	# BV	36154.	50.000	UG/L	0.87
2	114	382	19:06	2	1.000	# BV	165779.	50.000	UG/L	0.87
3	117	499	24:57	3	1.000	# BV	156624.	50.000	UG/L	0.87
4	98	469	23:27	3	0.940	# BV	174315.	49.241	UG/L	0.86
5	95	586	29:18	3	1.174	# VV	107544.	48.607	UG/L	0.84
6	65	216	10:48	1	1.350	# VV	69050.	55.624	UG/L	0.97
7	50	29	1:27	1	0.181	# BV	263490.	151.924	UG/L	2.64
8	94	42	2:06	1	0.263	# BV	163941.	147.946	UG/L	2.57
9	62	53	2:39	1	0.331	A BB	240703.	149.429	UG/L	2.60

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
10	64	67	3:21	1	0.419	# VV	142524.	138.665	UG/L	2.76
11	84	101	5:03	1	0.631	# BV	188188.	143.670	UG/L	2.50
12	58	108	5:24	1	0.675	# VV	14975.	120.033	UG/L	2.09
13	76	126	6:18	1	0.788	A BB	475665.	157.262	UG/L	2.73
14	96	148	7:24	1	0.925	# VV	145884.	151.501	UG/L	2.63
15	63	175	8:45	1	1.094	# VV	365386.	150.780	UG/L	2.62
16	96	188	9:24	1	1.175	# VV	142823.	140.343	UG/L	2.44
17	83	203	10:09	1	1.269	A BB	270258.	151.322	UG/L	2.63
18	62	218	10:54	1	1.362	# VV	203571.	151.373	UG/L	2.63
19	72	214	10:42	2	0.560	# BV	16625.	130.433	UG/L	2.27
20	97	246	12:18	2	0.644	# BV	174959.	154.408	UG/L	2.68
21	117	254	12:42	2	0.665	# VV	175295.	155.063	UG/L	2.70
22	43	256	12:48	2	0.670	# VV	575701.	158.656	UG/L	2.76
23	83	267	13:21	2	0.699	# VV	265746.	154.798	UG/L	2.69
24	63	296	14:48	2	0.775	# VV	268202.	157.587	UG/L	2.74
25	130	313	15:39	2	0.819	# BV	181545.	154.921	UG/L	2.69
26	129	329	16:27	2	0.861	# BV	217246.	165.554	UG/L	2.88
27	97	331	16:33	2	0.866	# VV	159475.	162.326	UG/L	2.82
28	78	324	16:12	2	0.848	# BV	533014.	154.980	UG/L	2.69
29	75	331	16:33	2	0.866	# VV	147737.	92.138	UG/L	1.60
30	75	302	15:06	2	0.791	# BV	420592.	219.728	UG/L	3.82
31	63	354	17:42	2	0.927	# VV	94630.	152.761	UG/L	2.66
32	173	391	19:33	2	1.024	# BV	170152.	165.010	UG/L	2.87
33	58	436	21:48	3	0.874	# VB	79871.	148.888	UG/L	2.59
34	58	400	20:00	3	0.802	# VV	82010.	149.528	UG/L	2.60
35	164	444	22:12	3	0.890	# BV	185226.	152.686	UG/L	2.65
36	83	445	22:15	3	0.892	# VV	299645.	168.009	UG/L	2.92
37	92	474	23:42	3	0.950	# BV	321270.	147.325	UG/L	2.56
38	112	501	25:03	3	1.004	# BV	396725.	146.506	UG/L	2.55
39	106	544	27:12	3	1.090	# BV	199556.	145.056	UG/L	2.52
40	104	605	30:15	3	1.212	# VV	441826.	147.386	UG/L	2.56
41	106	621	31:03	3	1.244	# VV	247639.	144.477	UG/L	2.51
42	106	608	30:24	3	1.218	# VV	261775.	146.801	UG/L	2.55

01755

RMAL QUANTITATION SUMMARY FILE: STDW447SM
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

NO	NAME		SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	BROMOCHLOROMETHANE	128IE2# 01	160	1	1.000	1.000	50.000	UG/L
2	1,4-DIFLUOROBENZENE	114SE2# 15	382	2	1.000	1.000	50.000	UG/L
3	CHLOROBENZENE-D5	117 E2# 30	499	3	1.000	1.000	50.000	UG/L
4	D8-TOLUENE	98SE2# 41	469	3	0.940	1.113	49.241	UG/L
5	BROMOFLUOROBENZENE	95SE2# 40	586	3	1.174	0.687	48.607	UG/L
6	D4-1,2-DICHLOROETHANE	65SE2# 14	216	1	1.350	1.910	55.624	UG/L
7	CHLOROMETHANE	50 E2# 02SP	29	1	0.181	7.288	151.924	UG/L
8	BROMOMETHANE	94 E2# 03	42	1	0.263	4.535	147.946	UG/L
9	VINYL CHLORIDE	62 E2# 04CC	53	1	0.331	6.658	149.429	UG/L
10	CHLORETHANE	64 E2# 05	67	1	0.419	3.942	158.665	UG/L
11	METHYLENE CHLORIDE	84 E2# 06	101	1	0.631	5.205	143.670	UG/L
12	ACETONE	58 E2# 07	108	1	0.675	0.414	120.033	UG/L
13	CARBON DISULFIDE	76 E2# 08	126	1	0.788	13.157	157.262	UG/L
14	1,1-DICHLOROETHENE	61 E2# 09	148	1	0.925	4.035	151.501	UG/L
15	1,1-DICHLOROETHANE	63 E2# 10SP	175	1	1.094	10.106	150.780	UG/L
16	TRANS-1,2-DICHLOROETHENE	61 E2# 11	188	1	1.175	3.950	140.343	UG/L
17	CHLOROFORM	83 E2# 12CC	203	1	1.269	7.475	151.322	UG/L
18	1,2-DICHLOROETHANE	62 E2# 13	218	1	1.362	5.631	151.373	UG/L
19	2-BUTANONE	72 E2# 16	214	2	0.560	0.100	130.433	UG/L
20	1,1,1-TRICHLOROETHANE	97 E2# 17	246	2	0.644	1.055	154.408	UG/L
21	CARBONTETRACHLORIDE	117 E2# 18	254	2	0.665	1.057	155.063	UG/L
22	VINYL ACETATE	43 E2# 19	256	2	0.670	3.473	158.656	UG/L
23	BROMODICHLOROMETHANE	83 E2# 20	267	2	0.699	1.603	154.798	UG/L
24	1,2-DICHLOROPROPANE	63 E2# 21CC	296	2	0.775	1.618	157.587	UG/L
25	TRICHLORETHENE	130 E2# 23	313	2	0.819	1.095	154.921	UG/L
26	DIBROMOCHLOROMETHANE	129 E2# 24	329	2	0.861	1.310	165.554	UG/L
27	1,1,2-TRICHLOROETHANE	97 E2# 25	331	2	0.866	0.962	162.326	UG/L
28	BENZENE	78 E2# 26	324	2	0.848	3.215	154.980	UG/L
29	TRANS-1,3-DICHLOROPROPENE	75 E2# 22	331	2	0.866	1.536	92.138	UG/L
30	CIS-1,3-DICHLOROPROPENE	75 E2# 27	302	2	0.791	1.812	219.728	UG/L
31	2-CHLOROETHYL VINYL ETHER	63 E2# 28SP	354	2	0.927	0.571	152.761	UG/L
32	BROMOFORM	173 E2# 29SP	391	2	1.024	1.026	165.010	UG/L
33	2-HEXANONE	58 E2# 31	436	3	0.874	0.510	148.888	UG/L
34	4-METHYL-2-PENTANONE	58 E2# 32	400	3	0.802	0.524	149.528	UG/L
35	TETRACHLOROETHENE	164 E2# 33	444	3	0.890	1.183	152.686	UG/L
36	1,1,2,2-TETRACHLOROETHANE	83 E2# 34SP	445	3	0.892	1.913	168.009	UG/L
37	TOLUENE	92 E2# 35	474	3	0.950	2.051	147.325	UG/L
38	CHLOROBENZENE	112 E2# 36SP	501	3	1.004	2.533	146.506	UG/L
39	ETHYLBENZENE	106 E2# 37	544	3	1.090	1.274	145.056	UG/L
40	STYRENE	104 E2# 38	605	3	1.212	2.821	147.386	UG/L
41	O-XYLENE	106 E2# 39	621	3	1.244	1.581	144.477	UG/L
42	M-XYLENE	106 E2# 42	608	3	1.218	1.671	146.301	UG/L

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE : 2:STDW449SM. STARTED : 3/30/88 15:58:34

01757

3/28/88 22:56:03 SCAN 1 OF 730
Acquisition started

Acquire
03/28/88 22:55:00 + 0:03
Sample: 200PPB HSL STD CS1 3/17, CS2 3/18, IS/SS 3/21
Conds.: GC DESC V3
Formula:
Submitted by: RMAL

Run 2: STDW449SM
Free sectors: 1503
Instrument: 5100
Analyst: JN

Acquiring
Scan: 1 of 730
Weight: 0.002
Acct. No:

*** GC descriptor: V3 ***

GC temperature: 60 DegC
Elapsed time : 0: 3 min

Injector: 50 DegC
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
Frag S/P: 10 Actual: 10

Samp int (ms): 0.200
Samp int (ms): 1.400

Peak width: 1000.
Inten/ion: 2

Min peak width: 3
ADC threshold: 1

Min frag width %: 81
Baseline: 0

Min area: 20

MODE: EI (+) Centroid + Temp

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	G	
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)	125.00	128.00
Resolution (low)	125.00	128.00
Ion energy	1.80	-4.00
Ion programming	5.41	-4.00
Lens voltage	-80.00	50.20
Extractor voltage	0.94	not used

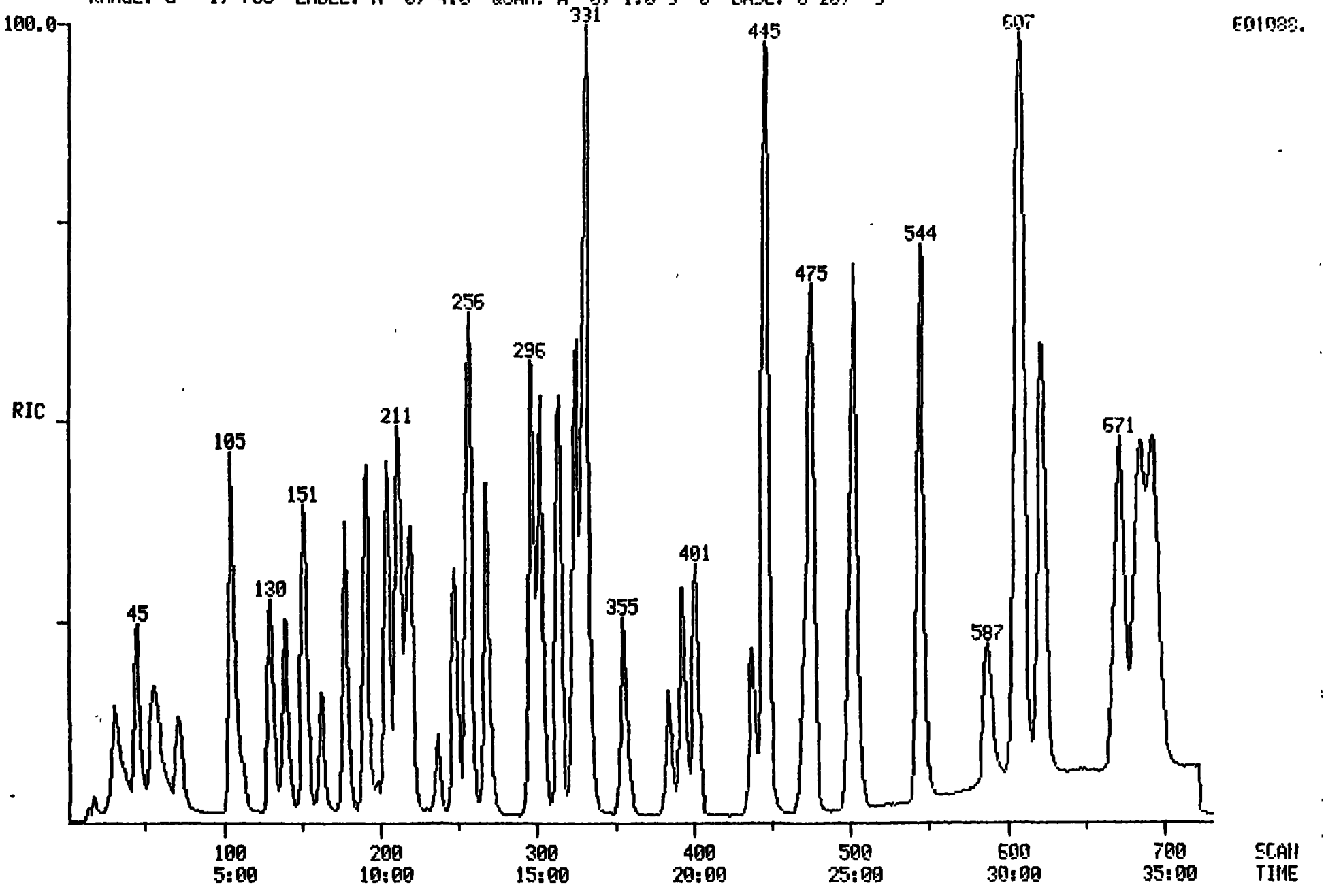
Electron multiplier voltage: -2047.
Electrometer Range: 10 ^-7
Electrometer zero: -4.0

3/28/88 23:32:36
Acquisition completed
Scans 1 to 730 centroid

Mode	Scans	Secs	out of	%	Peaks per scan	per second
Centroid	730	110.8	2190.0	5.1	49016.	67 22.

01758

RIC DATA: STDW449SM #1 SCANS 1 TO 730
03/28/88 22:55:00 CALI: 032888CW #2
SAMPLE: 200PPB HSL STD CS1 3/17, CS2 3/18, IS/SS 3/21
CONDS.: GC DESC V3
RANGE: G 1, 730 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

STDW449SM
032888CW
03/28/88
200PPB HSL STD CS1 3/17, CS2 3/18, IS/SS 3/21

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUR	MATCH	AREA
1	E4	BROM	128	162	162	0	955	723	91.	34914.
2	E4	CHLO	50	31	30	-1	987	823	98.	326477.
3	E4	BROM	94	45	44	-1	923	737	90.	208486.
4	E4	VINY	62	56	56	0	994	530	84.	294364.
5	E4	CHLO	64	71	71	0	983	729	93.	169846.
6	E4	METH	84	105	104	-1	989	752	95.	222097.
7	E4	ACET	58	112	112	0	985	474	80.	17009.
				-107		5	962	7	56.	
8	E4	CARB	76	130	130	0	992	917	100.	545393.
9	E4	1,1-	96	151	151	0	989	807	97.	177972.
10	E4	1,1-	63	178	178	0	987	781	96.	470703.
11	E4	TRAN	96	191	191	0	993	847	99.	192509.
12	E4	CHLO	83	204	204	0	999	864	100.	371256.
13	E4	1,2-	62	219	219	0	967	671	89.	271907.
14	E4	D4-1	65	217	217	0	976	254	69.	72085.
15	E4	1,4-	114	384	384	0	996	650	90.	163822.
16	E4	2-BU	72	216	216	0	991	347	74.	22580.
17	E4	1,1,	97	247	247	0	936	810	95.	227743.
18	E4	CARB	117	255	256	1	995	543	84.	229998.
19	E4	VINY	43	257	257	0	993	559	85.	754105.
20	E4	BROM	83	267	268	1	981	822	98.	354210.
21	E4	1,2-	63	296	297	1	972	632	88.	353855.
22	E4	TRAN	75	331	331	0	948	165	63.	194748.
				-341		-10	925	105	35.	
				-325		6	482	58	34.	
23	E4	TRIC	130	314	314	0	991	872	100.	236534.
24	E4	DIBR	129	330	330	0	959	394	75.	294369.
25	E4	1,1,	97	332	332	0	984	439	79.	219246.
26	E4	BENZ	78	325	325	0	913	757	91.	697408.
27	E4	CIS-	75	302	302	0	994	754	95.	552864.
28	E4	2-CH	63	355	355	0	980	823	98.	131188.
29	E4	BROM	173	392	393	1	985	794	96.	232472.
30	E4	CHLO	117	499	500	1	993	389	77.	151386.
31	E4	2-HE	58	437	436	-1	999	821	98.	104894.
32	E4	4-ME	58	401	400	-1	995	835	99.	107680.
33	E4	TETR	164	445	444	-1	994	535	84.	236847.
34	E4	1,1,	83	446	445	-1	908	529	79.	397415.
35	E4	TOLU	92	475	474	-1	991	728	93.	413064.
36	E4	CHLO	112	502	501	-1	989	676	91.	501956.
37	E4	ETHY	106	544	543	-1	995	703	92.	258267
38	E4	STYR	104	605	605	0	990	675	91.	538264
39	E4	O-XY	106	621	621	0	995	624	88.	304283.
40	E4	BROM	95	586	586	0	991	532	84.	100168.
41	E4	D8-T	98	470	470	0	993	648	90.	170657.
42	E4	M-XY	106	609	608	-1	980	529	83.	316473.

Quantitation Report File: STDW449SM

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

01760

No	Name			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	CHLOROMETHANE	50	E2#	02SP
3	BROMOMETHANE	94	E2#	03
4	VINYL CHLORIDE	62	E2#	04CC
5	CHLORETHANE	64	E2#	05
6	METHYLENE CHLORIDE	84	E2#	06
7	ACETONE	58	E2#	07
8	CARBON DISULFIDE	76	E2#	08
9	1,1-DICHLOROETHENE	61	E2#	09
10	1,1-DICHLOROETHANE	63	E2#	10SP
11	TRANS-1,2-DICHLOROETHENE	61	E2#	11
12	CHLOROFORM	83	E2#	12CC
13	1,2-DICHLOROETHANE	62	E2#	13
14	D4-1,2-DICHLOROETHANE	65	SE2#	14
15	1,4-DIFLUOROBENZENE	114	SE2#	15
16	2-BUTANONE	72	E2#	16
17	1,1,1-TRICHLOROETHANE	97	E2#	17
18	CARBONTETRACHLORIDE	117	E2#	18
19	VINYL ACETATE	43	E2#	19
20	BROMODICHLOROMETHANE	83	E2#	20
21	1,2-DICHLOROPROPANE	63	E2#	21CC
22	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
23	TRICHLORETHENE	130	E2#	23
24	DIBROMOCHLOROMETHANE	129	E2#	24
25	1,1,2-TRICHLOROETHANE	97	E2#	25
26	BENZENE	78	E2#	26
27	CIS-1,3-DICHLOROPROPENE	75	E2#	27
28	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
29	BROMOFORM	173	E2#	29SP
30	CHLOROBENZENE-D5	117	E2#	30
31	2-HEXANONE	58	E2#	31
32	4-METHYL-2-PENTANONE	58	E2#	32
33	TETRACHLOROETHENE	164	E2#	33
34	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP
35	TOLUENE	92	E2#	35
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	STYRENE	104	E2#	38
39	O-XYLENE	106	E2#	39
40	BROMOFLUOROBENZENE	95	SE2#	40
41	D8-TOLUENE	98	SE2#	41
42	M-XYLENE	106	E2#	42

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	162	8:06	1	1.000	# BV	34915.	50.000	UG/L	0.67
2	50	31	1:33	1	0.191	# BV	326478.	194.922	UG/L	2.60
3	94	45	2:15	1	0.278	# BV	208486.	194.822	UG/L	2.59
4	62	56	2:48	1	0.346	A BB	294364.	189.226	UG/L	2.52
5	64	71	3:33	1	0.438	# VV	169846.	195.791	UG/L	2.61
6	84	105	5:15	1	0.648	# BV	222098.	175.576	UG/L	2.34
7	58	112	5:36	1	0.691	# VV	17009.	141.174	UG/L	1.88
8	76	130	6:30	1	0.802	A BB	545394.	186.714	UG/L	2.49

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01761

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
9	96	151	7:33	1	0.932	# BV	177972.	191.384	UG/L	2.55
10	63	178	8:54	1	1.099	# VV	470704.	201.133	UG/L	2.68
11	96	191	9:33	1	1.179	# VV	192509.	195.879	UG/L	2.61
12	83	204	10:12	1	1.259	# BV	371257.	215.250	UG/L	2.87
13	62	219	10:57	1	1.352	# VV	271907.	209.362	UG/L	2.79
14	65	217	10:51	1	1.340	# VV	72085.	60.130	UG/L	0.80
15	114	384	19:12	15	1.000	# BV	163823.	50.000	UG/L	0.67
16	72	216	10:48	15	0.562	# VV	22581.	179.271	UG/L	2.39
17	97	247	12:21	15	0.643	# BV	227744.	203.393	UG/L	2.71
18	117	255	12:45	15	0.664	# VV	229999.	205.883	UG/L	2.74
19	43	257	12:51	15	0.669	# VV	754105.	210.304	UG/L	2.80
20	83	267	13:21	15	0.695	# VV	354210.	208.793	UG/L	2.78
21	63	296	14:48	15	0.771	# VV	353856.	210.397	UG/L	2.80
22	75	331	16:33	15	0.862	# VV	194749.	122.907	UG/L	1.64
23	130	314	15:42	15	0.818	# BV	236535.	204.257	UG/L	2.72
24	129	330	16:30	15	0.859	A BB	294370.	227.005	UG/L	3.02
25	97	332	16:36	15	0.865	# VB	219247.	225.832	UG/L	3.01
26	78	325	16:15	15	0.846	# VV	697409.	205.201	UG/L	2.73
27	75	302	15:06	15	0.786	# VV	552865.	292.280	UG/L	3.89
28	63	355	17:45	15	0.924	# VV	131189.	214.306	UG/L	2.85
29	173	392	19:36	15	1.021	# BV	232472.	228.140	UG/L	3.04
30	117	499	24:57	30	1.000	# BV	151387.	50.000	UG/L	0.67
31	58	437	21:51	30	0.876	# VB	104895.	202.300	UG/L	2.69
32	58	401	20:03	30	0.804	# VV	107680.	203.124	UG/L	2.71
33	164	445	22:15	30	0.892	# BV	236847.	201.993	UG/L	2.69
34	83	446	22:18	30	0.894	# VV	397416.	230.538	UG/L	3.07
35	92	475	23:45	30	0.952	# BV	413064.	195.972	UG/L	2.61
36	112	502	25:06	30	1.006	# BV	501956.	191.780	UG/L	2.55
37	106	544	27:12	30	1.090	# BV	258267.	194.228	UG/L	2.59
38	104	605	30:15	30	1.212	# VV	538264.	185.768	UG/L	2.47
39	106	621	31:03	30	1.244	# VV	304284.	183.666	UG/L	2.45
40	95	586	29:18	30	1.174	# VV	100169.	46.840	UG/L	0.62
41	98	470	23:30	30	0.942	# BV	170658.	49.876	UG/L	0.66
42	106	609	30:27	30	1.220	# VV	316473.	183.616	UG/L	2.45

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	1:30	1.03	0.185	1.03	194.92	50.00	9.351	2.399	3.90
3	2:12	1.02	0.272	1.02	194.82	50.00	5.971	1.532	3.90
4	2:48	1.00	0.346	1.00	189.23	50.00	8.431	2.228	3.78
5	3:33	1.00	0.438	1.00	195.79	50.00	4.865	1.242	3.92
6	5:12	1.01	0.642	1.01	175.58	50.00	6.361	1.812	3.51
7	5:36	1.00	0.691	1.00	141.17	50.00	0.487	0.173	2.82
8	6:30	1.00	0.802	1.00	186.71	50.00	15.621	4.183	3.73
9	7:33	1.00	0.932	1.00	191.38	50.00	5.097	1.332	3.83
10	8:54	1.00	1.099	1.00	201.13	50.00	13.481	3.351	4.02
11	9:33	1.00	1.179	1.00	195.88	50.00	5.514	1.407	3.92
12	10:12	1.00	1.259	1.00	215.25	50.00	10.633	2.470	4.30
13	10:57	1.00	1.352	1.00	209.36	50.00	7.788	1.860	4.19
14	10:51	1.00	1.340	1.00	60.13	50.00	2.065	1.717	1.20
15	19:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
16	10:48	1.00	0.562	1.00	179.27	50.00	0.138	0.038	3.59
17	12:21	1.00	0.643	1.00	203.39	50.00	1.390	0.342	4.07
18	12:48	1.00	0.667	1.00	205.88	50.00	1.404	0.341	4.12
19	12:51	1.00	0.669	1.00	210.30	50.00	4.603	1.094	4.21
20	13:24	1.00	0.698	1.00	208.79	50.00	2.162	0.518	4.18

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
21	14:51	1.00	0.773	1.00	210.40	50.00	2.160	0.513	4.21
22	16:33	1.00	0.862	1.00	122.91	29.00	2.050	0.484	4.24
23	15:42	1.00	0.818	1.00	204.26	50.00	1.444	0.353	4.09
24	16:30	1.00	0.859	1.00	227.00	50.00	1.797	0.396	4.54
25	16:36	1.00	0.865	1.00	225.83	50.00	1.338	0.296	4.52
26	16:15	1.00	0.846	1.00	205.20	50.00	4.257	1.037	4.10
27	15:06	1.00	0.786	1.00	292.28	70.00	2.411	0.577	4.18
28	17:45	1.00	0.924	1.00	214.31	50.00	0.801	0.187	4.29
29	19:39	1.00	1.023	1.00	228.14	50.00	1.419	0.311	4.56
30	25:00	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
31	21:51	1.00	0.874	1.00	202.30	50.00	0.693	0.171	4.05
32	20:03	1.00	0.802	1.00	203.12	50.00	0.711	0.175	4.06
33	22:15	1.00	0.890	1.00	201.99	50.00	1.565	0.387	4.04
34	22:18	1.00	0.892	1.00	230.54	50.00	2.625	0.569	4.61
35	23:45	1.00	0.950	1.00	195.97	50.00	2.729	0.696	3.92
36	25:06	1.00	1.004	1.00	191.78	50.00	3.316	0.864	3.84
37	27:12	1.00	1.088	1.00	194.23	50.00	1.706	0.439	3.88
38	30:18	1.00	1.212	1.00	185.77	50.00	3.556	0.957	3.72
39	31:06	1.00	1.244	1.00	183.67	50.00	2.010	0.547	3.67
40	29:21	1.00	1.174	1.00	46.84	50.00	0.662	0.706	0.94
41	23:33	1.00	0.942	1.00	49.88	50.00	1.127	1.130	1.00
42	30:27	1.00	1.218	1.00	183.62	50.00	2.090	0.569	3.67

01762

QUANTITATION REPORT FILE: STDW449SM

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

01763

NO	NAME				
1	BROMOCHLOROMETHANE	128	IE2#	01	
2	1,4-DIFLUOROBENZENE	114	SE2#	15	
3	CHLOROBENZENE-D5	117	E2#	30	
4	D8-TOLUENE	98	SE2#	41	
5	BROMOFLUOROBENZENE	95	SE2#	40	
6	D4-1,2-DICHLOROETHANE	65	SE2#	14	
7	CHLOROMETHANE	50	E2#	02	SP
8	BROMOMETHANE	94	E2#	03	
9	VINYL CHLORIDE	62	E2#	04	CC
10	CHLORETHANE	64	E2#	05	
11	METHYLENE CHLORIDE	84	E2#	06	
12	ACETONE	58	E2#	07	
13	CARBON DISULFIDE	76	E2#	08	
14	1,1-DICHLOROETHENE	61	E2#	09	
15	1,1-DICHLOROETHANE	63	E2#	10	SP
16	TRANS-1,2-DICHLOROETHENE	61	E2#	11	
17	CHLOROFORM	83	E2#	12	CC
18	1,2-DICHLOROETHANE	62	E2#	13	
19	2-BUTANONE	72	E2#	16	
20	1,1,1-TRICHLOROETHANE	97	E2#	17	
21	CARBONTETRACHLORIDE	117	E2#	18	
22	VINYL ACETATE	43	E2#	19	
23	BROMODICHLOROMETHANE	83	E2#	20	
24	1,2-DICHLOROPROPANE	63	E2#	21	CC
25	TRICHLORETHENE	130	E2#	23	
26	DIBROMOCHLOROMETHANE	129	E2#	24	
27	1,1,2-TRICHLOROETHANE	97	E2#	25	
28	BENZENE	78	E2#	26	
29	TRANS-1,3-DICHLOROPROPENE	75	E2#	22	
30	CIS-1,3-DICHLOROPROPENE	75	E2#	27	
31	2-CHLOROETHYL VINYL ETHER	63	E2#	28	SP
32	BROMOFORM	173	E2#	29	SP
33	2-HEXANONE	58	E2#	31	
34	4-METHYL-2-PENTANONE	58	E2#	32	
35	TETRACHLOROETHENE	164	E2#	33	
36	1,1,2,2-TETRACHLOROETHANE	83	E2#	34	SP
37	TOLUENE	92	E2#	35	
38	CHLOROBENZENE	112	E2#	36	SP
39	ETHYLBENZENE	106	E2#	37	
40	STYRENE	104	E2#	38	
41	O-XYLENE	106	E2#	39	
42	M-XYLENE	106	E2#	42	

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	162	8:06	1	1.000	# BV	34915.	50.000	UG/L	0.67
2	114	384	19:12	2	1.000	# BV	163823.	50.000	UG/L	0.67
3	117	499	24:57	3	1.000	# BV	151387.	50.000	UG/L	0.67
4	98	470	23:30	3	0.942	# BV	170658.	49.876	UG/L	0.66
5	95	586	29:18	3	1.174	# VV	100169.	46.840	UG/L	0.62
6	65	217	10:51	1	1.340	# VV	72085.	60.130	UG/L	0.80
7	50	31	1:33	1	0.191	# BV	326478.	194.922	UG/L	2.60
8	94	45	2:15	1	0.278	# BV	208486.	194.822	UG/L	2.59
9	62	56	2:48	1	0.346	A BB	294364.	189.226	UG/L	2.52

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
10	64	71	3:33	1	0.438	# VV	169846.	195.791	UG/L	2.61
11	84	105	5:15	1	0.648	# BV	222098.	175.576	UG/L	2.34
12	58	112	5:36	1	0.691	# VV	17009.	141.174	UG/L	1.88
13	76	130	6:30	1	0.802	A BB	545394.	186.714	UG/L	2.49
14	96	151	7:33	1	0.932	# BV	177972.	191.384	UG/L	2.55
15	63	178	8:54	1	1.099	# VV	470704.	201.133	UG/L	2.68
16	96	191	9:33	1	1.179	# VV	192509.	195.879	UG/L	2.61
17	83	204	10:12	1	1.259	# BV	371257.	215.250	UG/L	2.87
18	62	219	10:57	1	1.352	# VV	271907.	209.362	UG/L	2.79
19	72	216	10:48	2	0.562	# VV	22581.	179.271	UG/L	2.39
20	97	247	12:21	2	0.643	# BV	227744.	203.393	UG/L	2.71
21	117	255	12:45	2	0.664	# VV	229999.	205.883	UG/L	2.74
22	43	257	12:51	2	0.669	# VV	754105.	210.304	UG/L	2.80
23	83	267	13:21	2	0.695	# VV	354210.	208.793	UG/L	2.78
24	63	296	14:48	2	0.771	# VV	353856.	210.397	UG/L	2.80
25	130	314	15:42	2	0.818	# BV	236535.	204.257	UG/L	2.72
26	129	330	16:30	2	0.859	A BB	294370.	227.005	UG/L	3.02
27	97	332	16:36	2	0.865	# VB	219247.	225.832	UG/L	3.01
28	78	325	16:15	2	0.846	# VV	697409.	205.201	UG/L	2.73
29	75	331	16:33	2	0.862	# VV	194749.	122.907	UG/L	1.64
30	75	302	15:06	2	0.786	# VV	552865.	292.280	UG/L	3.89
31	63	355	17:45	2	0.924	# VV	131189.	214.306	UG/L	2.85
32	173	392	19:36	2	1.021	# BV	232472.	228.140	UG/L	3.04
33	58	437	21:51	3	0.876	# VB	104895.	202.300	UG/L	2.69
34	58	401	20:03	3	0.804	# VV	107680.	203.124	UG/L	2.71
35	164	445	22:15	3	0.892	# BV	236847.	201.993	UG/L	2.69
36	83	446	22:18	3	0.894	# VV	397416.	230.538	UG/L	3.07
37	92	475	23:45	3	0.952	# BV	413064.	195.972	UG/L	2.61
38	112	502	25:06	3	1.006	# BV	501956.	191.780	UG/L	2.55
39	106	544	27:12	3	1.090	# BV	258267.	194.228	UG/L	2.59
40	104	605	30:15	3	1.212	# VV	538264.	185.768	UG/L	2.47
41	106	621	31:03	3	1.244	# VV	304284.	183.666	UG/L	2.45
42	106	609	30:27	3	1.220	# VV	316473.	183.616	UG/L	2.45

RMAL QUANTITATION SUMMARY FILE: STDW449SM
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

01765

NO	NAME			SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	BROMOCHLOROMETHANE	128IE2#	01	162	1	1.000	1.000	50.000	UG/L
2	1,4-DIFLUOROBENZENE	114SE2#	15	384	2	1.000	1.000	50.000	UG/L
3	CHLOROBENZENE-D5	117 E2#	30	499	3	1.000	1.000	50.000	UG/L
4	D8-TOLUENE	98SE2#	41	470	3	0.942	1.127	49.876	UG/L
5	BROMOFLUOROBENZENE	95SE2#	40	586	3	1.174	0.662	46.840	UG/L
6	D4-1,2-DICHLOROETHANE	65SE2#	14	217	1	1.340	2.065	60.130	UG/L
7	CHLOROMETHANE	50 E2#	02SP	31	1	0.191	9.351	194.922	UG/L
8	BROMOMETHANE	94 E2#	03	45	1	0 278	5.971	194.822	UG/L
9	VINYL CHLORIDE	62 E2#	04CC	56	1	0.346	8.431	189.226	UG/L
10	CHLORETHANE	64 E2#	05	71	1	0.438	4.865	195.791	UG/L
11	METHYLENE CHLORIDE	84 E2#	06	105	1	0.648	6.361	175.576	UG/L
12	ACETONE	58 E2#	07	112	1	0.691	0.487	141.174	UG/L
13	CARBON DISULFIDE	76 E2#	08	130	1	0.80215.621		186.714	UG/L
14	1,1-DICHLOROETHENE	61 E2#	09	151	1	0.932	5.097	191.384	UG/L
15	1,1-DICHLOROETHANE	63 E2#	10SP	178	1	1.09913.481		201.133	UG/L
16	TRANS-1,2-DICHLOROETHENE	61 E2#	11	191	1	1.179	5.514	195.879	UG/L
17	CHLOROFORM	83 E2#	12CC	204	1	1.25910.633		215.250	UG/L
18	1,2-DICHLOROETHANE	62 E2#	13	219	1	1.352	7.788	209.362	UG/L
19	2-BUTANONE	72 E2#	16	216	2	0.562	0.138	179.271	UG/L
20	1,1,1-TRICHLOROETHANE	97 E2#	17	247	2	0.643	1.390	203.393	UG/L
21	CARBONTETRACHLORIDE	117 E2#	18	255	2	0.664	1.404	205.883	UG/L
22	VINYL ACETATE	43 E2#	19	257	2	0.669	4.603	210.304	UG/L
23	BROMODICHLOROMETHANE	83 E2#	20	267	2	0.695	2.162	208.793	UG/L
24	1,2-DICHLOROPROPANE	63 E2#	21CC	296	2	0.771	2.160	210.397	UG/L
25	TRICHLORETHENE	130 E2#	23	314	2	0.818	1.444	204.257	UG/L
26	DIBROMOCHLOROMETHANE	129 E2#	24	330	2	0.859	1.797	227.005	UG/L
27	1,1,2-TRICHLOROETHANE	97 E2#	25	332	2	0.865	1.338	225.832	UG/L
28	BENZENE	78 E2#	26	325	2	0.846	4.257	205.201	UG/L
29	TRANS-1,3-DICHLOROPROPENE	75 E2#	22	331	2	0.862	2.050	122.907	UG/L
30	CIS-1,3-DICHLOROPROPENE	75 E2#	27	302	2	0.786	2.411	292.280	UG/L
31	2-CHLOROETHYL VINYL ETHER	63 E2#	28SP	355	2	0.924	0.801	214.306	UG/L
32	BROMOFORM	173 E2#	29SP	392	2	1.021	1.419	228.140	UG/L
33	2-HEXANONE	58 E2#	31	437	3	0.876	0.693	202.300	UG/L
34	4-METHYL-2-PENTANONE	58 E2#	32	401	3	0.804	0.711	203.124	UG/L
35	TETRACHLOROETHENE	164 E2#	33	445	3	0.892	1.565	201.993	UG/L
36	1,1,2,2-TETRACHLOROETHANE	83 E2#	34SP	446	3	0.894	2.625	230.538	UG/L
37	TOLUENE	92 E2#	35	475	3	0.952	2.729	195.972	UG/L
38	CHLOROBENZENE	112 E2#	36SP	502	3	1.006	3.316	191.780	UG/L
39	ETHYLBENZENE	106 E2#	37	544	3	1.090	1.706	194.228	UG/L
40	STYRENE	104 E2#	38	605	3	1.212	3.556	185.768	UG/L
41	O-XYLENE	106 E2#	39	621	3	1.244	2.010	183.666	UG/L
42	M-XYLENE	106 E2#	42	609	3	1.220	2.090	183.616	UG/L

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE :2:STDZ534. STARTED : 4/14/88 8:03:03

4/13/88 22:58:54 SCAN 1 OF 1900 01766
Acquisition started

Acquire Run 2:STDZ534 ACQUIRING
04/13/88 22:58:00 + 0:03 Free sectors: 12013 Scan: 3 of 1900
Sample: 50 PPB HSL STD 100%/5ML
Conds.: GC DESC CV
Formula: --- Instrument: 4500 Weight: 1.000
Submitted by: RMAL Analyst: DAG Acct. No:

********** 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)
1	-10 - -10	-	1.0	1.0
2	-10 - 100	6.0	18.3	19.3
3	100 - 170	8.3	8.4	27.7
4	170 - 170	-	5.0	32.7

	Open	Close
Sweep/Split	32.7	0.0
Divert	32.7	0.0

********** 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

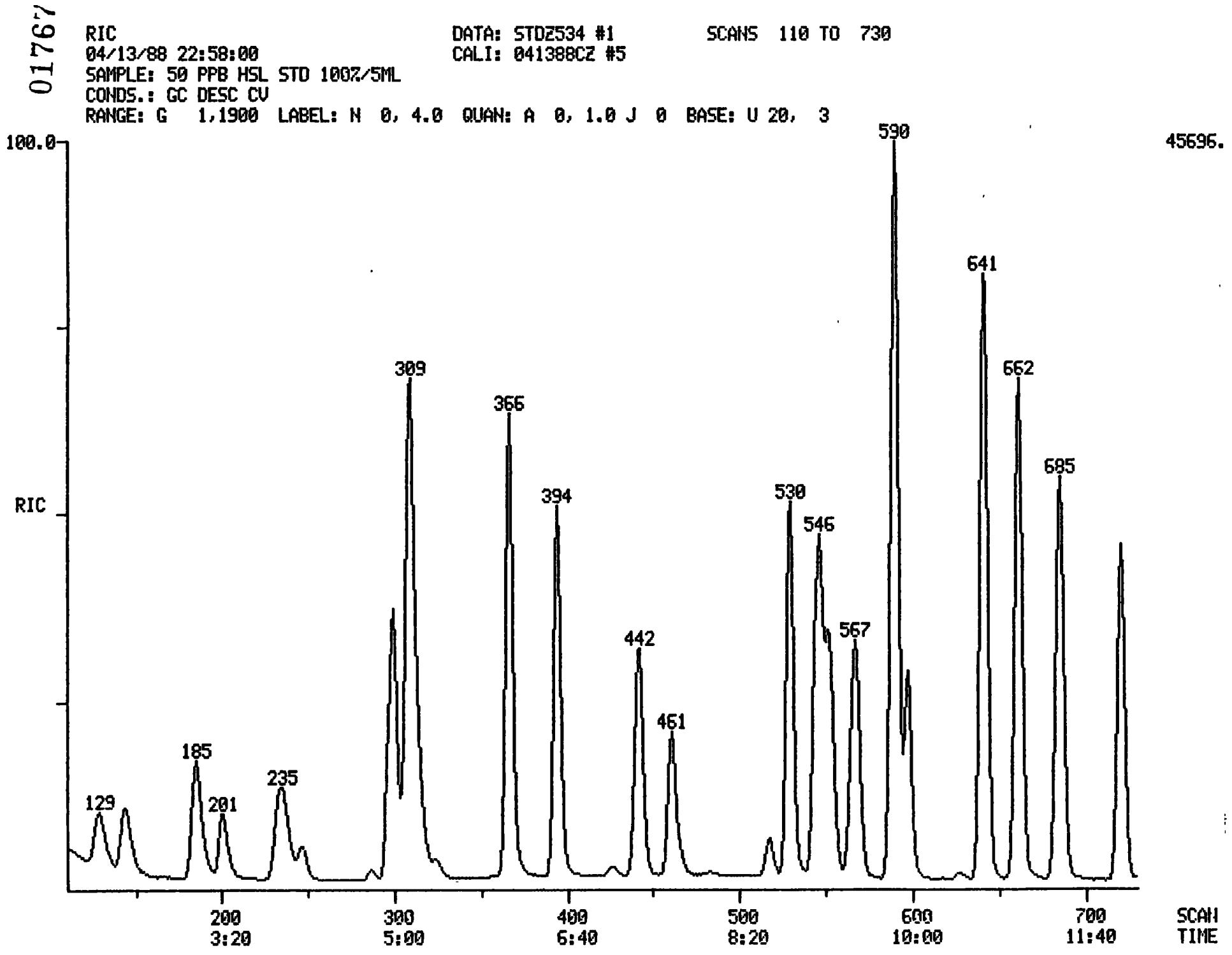
Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

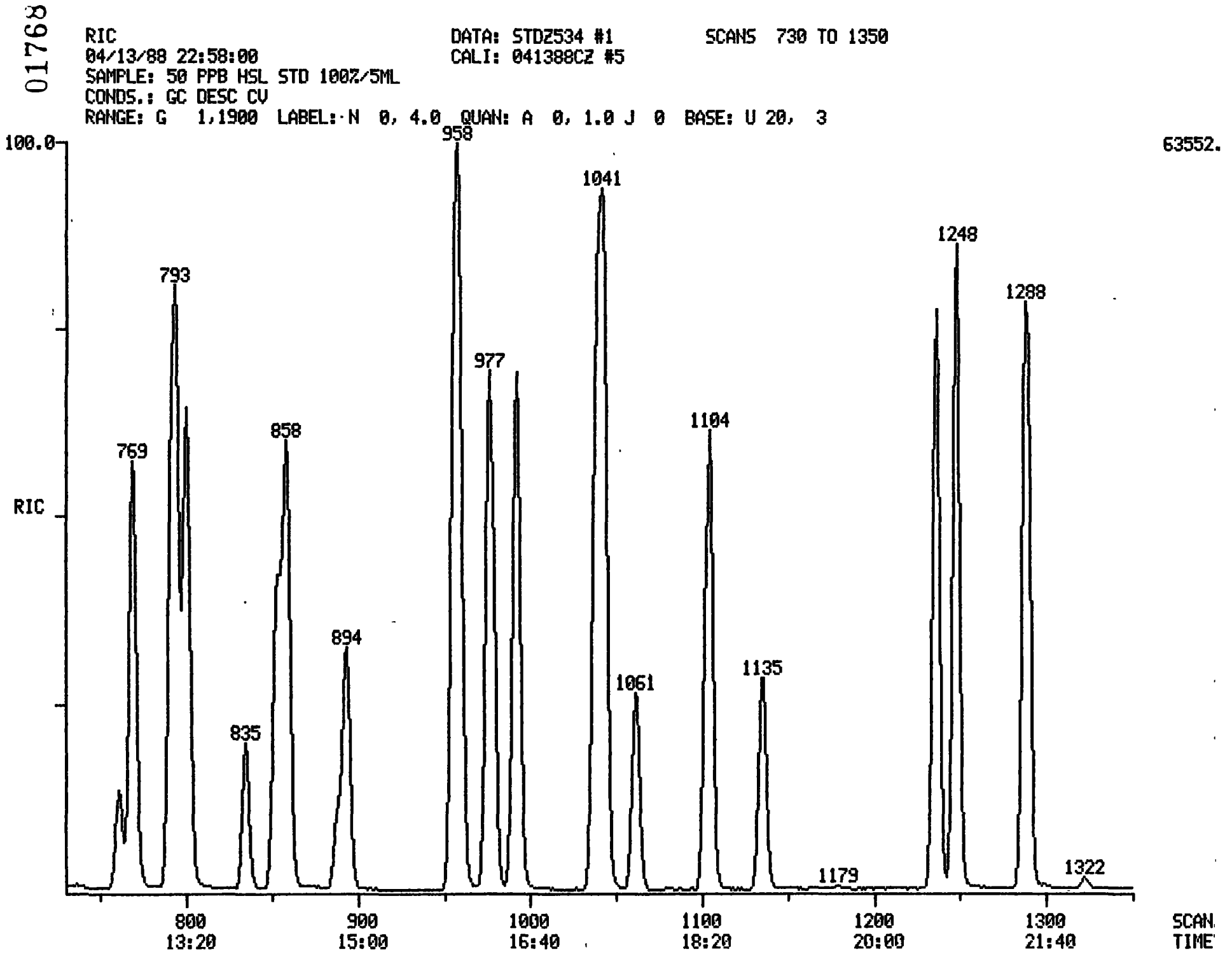
***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	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	

4/13/88 23:30:37
ACQUISITION COMPLETED
SCANS 1 TO 1900 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec	
Centroid	1900	35.5	1900.0	1.9	27960.	15.	15.


01767
RIC
04/13/88 22:58:00
SAMPLE: 50 PPB HSL STD 100%/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDZ534 #1
CALI: 041388CZ #5
SCANS 110 TO 730
100.0
45696.
RIC
129
185
201
235
309
366
394
442
461
530
546
567
590
641
662
685
200
3:20
300
5:00
400
6:40
500
8:20
600
10:00
700
11:40
SCAN
TIME


017688
RIC
04/13/88 22:58:00
SAMPLE: 50 PPB HSL STD 100Z/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL:·N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDZ534 #1
CALI: 041388CZ #5
SCANS 730 TO 1350
100.0
63552.
RIC
769
793
835
858
894
958
977
1041
1061
1104
1135
1179
1248
1288
1322
800
13:20
900
15:00
1000
16:40
1100
18:20
1200
20:00
1300
21:40
SCAN
TIME

SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

STDZ534
041388CZ
04/13/88
50 PPB HSL STD 100%/5ML

01769

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUR	MATCH	AREA
1	E2	BROM	128	530	532	2	994	839	99.	16665.
2	E2	CHLO	50	129	130	1	981	664	90.	18372.
3	E2	BROM	94	185	187	2	909	890	97.	19786.
4	E2	VINY	62	144	145	1	995	715	93.	19860.
5	E2	CHLO	64	200	203	3	933	693	89.	13687.
6	E2	METH	84	366	369	3	975	724	92.	30379.
7	E2	ACET	58	324	332	8	988	441	59.	929.
8	E2	CARB	76	308	311	3	963	506	81.	64968.
9	E2	1,1-	96	394	397	3	975	810	97.	24680.
10	E2	1,1-	63	442	443	1	985	774	95.	45318.
11	E2	TRAN	96	394	397	3	978	837	98.	24680.
12	E2	CHLO	83	546	546	0	989	805	97.	44569.
13	E2	1,2-	62	598	598	0	951	695	90.	23247.
14	E2	D4-1	65	590	590	0	954	294	70.	21339.
15	E2	1,4-	114	641	642	1	994	708	93.	93493.
16	E2	2-BU	72	517	521	4	998	664	91.	1455.
17	E2	1,1,	97	552	553	1	974	806	96.	30600.
18	E2	CARB	117	567	568	1	994	868	100.	29447.
19	E2	VINY	43	461	464	3	987	799	97.	45569.
20	E2	BROM	83	721	721	0	986	855	100.	40057.
21	E2	1,2-	63	685	685	0	967	632	87.	33801.
22	E2	TRAN	75	835	834	-1	987	590	86.	18327.
23	E2	TRIC	130	662	662	0	961	879	99.	32284.
24	E2	DIBR	129	894	892	-2	979	846	99.	34060.
25	E2	1,1,	97	853	852	-1	998	784	97.	24597.
26	E2	BENZ	78	590	591	1	983	636	88.	78638.
27	E2	CIS-	75	769	769	0	987	778	96.	59160.
28	E2	2-CH	63	761	760	-1	995	866	100.	10762.
29	E2	BROM	173	1061	1060	-1	980	840	98.	26483.
30	E2	CHLO	117	956	956	0	995	641	89.	80157.
31	E2	2-HE	58	889	889	0	994	764	95.	6900.
32	E2	4-ME	58	793	793	0	912	176	62.	8125.
33	E2	TETR	164	858	858	0	997	793	97.	30281.
34	E2	1,1,	83	1135	1137	2	979	785	96.	37040.
35	E2	TOLU	92	800	800	0	971	734	93.	51346.
36	E2	CHLO	112	959	959	0	956	602	85.	68451.
37	E2	ETHY	106	977	977	0	983	718	93.	32611.
38	E2	STYR	104	1042	1043	1	981	731	93.	70077.
39	E2	O-XY	106	1039	1039	0	992	612	88.	39805.
40	E2	BROM	95	1104	1105	1	969	797	96.	47030.
41	E2	TOLU	98	793	793	0	968	679	90.	86778.
42	E2	M&P	106	992	992	0	988	703	92.	41168.

Quantitation Report File: STDZ534

01770

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

No	Name			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	CHLOROMETHANE	50	E2#	02SP
3	BROMOMETHANE	94	E2#	03
4	VINYL CHLORIDE	62	E2#	04CC
5	CHLORETHANE	64	E2#	05
6	METHYLENE CHLORIDE	84	E2#	06
7	ACETONE	58	E2#	07
8	CARBON DISULFIDE	76	E2#	08
9	1,1-DICHLOROETHENE	96	E2#	09
10	1,1-DICHLOROETHANE	63	E2#	10SP
11	TRANS-1,2-DICHLOROETHENE	96	E2#	11
12	CHLOROFORM	83	E2#	12CC
13	1,2-DICHLOROETHANE	62	E2#	13
14	D4-1,2-DICHLOROETHANE	65	SE2#	14
15	1,4-DIFLUOROBENZENE	114	SE2#	15
16	2-BUTANONE	72	E2#	16
17	1,1,1-TRICHLOROETHANE	97	E2#	17
18	CARBONTETRACHLORIDE	117	E2#	18
19	VINYL ACETATE	43	E2#	19
20	BROMODICHLOROMETHANE	83	E2#	20
21	1,2-DICHLOROPROPANE	63	E2#	21CC
22	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
23	TRICHLORETHENE	130	E2#	23
24	DIBROMOCHLOROMETHANE	129	E2#	24
25	1,1,2-TRICHLOROETHANE	97	E2#	25
26	BENZENE	78	E2#	26
27	CIS-1,3-DICHLOROPROPENE	75	E2#	27
28	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
29	BROMOFORM	173	E2#	29SP
30	CHLOROBENZENE-D5	117	E2#	30
31	2-HEXANONE	58	E2#	31
32	4-METHYL-2-PENTANONE	58	E2#	32
33	TETRACHLOROETHENE	164	E2#	33
34	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP
35	TOLUENE	92	E2#	35
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	STYRENE	104	E2#	38
39	O-XYLENE	106	E2#	39
40	BROMOFLUOROBENZENE	95	SE2#	40
41	TOLUENE-D8	98	SE2#	41
42	M&P XYLENE	106	E2#	42

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	530	8:50	1	1.000	A BB	16666.	50.000	UG/L	2.46
2	50	129	2:09	1	0.243	A BB	18372.	50.555	UG/L	2.49
3	94	185	3:05	1	0.349	A BB	19786.	52.872	UG/L	2.60
4	62	144	2:24	1	0.272	A BB	19860.	52.187	UG/L	2.57
5	64	200	3:20	1	0.377	# BB	13687.	52.282	UG/L	2.57
6	84	366	6:06	1	0.691	# BV	30379.	50.144	UG/L	2.47
7	58	324	5:24	1	0.611	A BB	929.	42.227	UG/L	2.08
8	76	308	5:08	1	0.581	A BB	64969.	52.566	UG/L	2.59

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
9	96	394	6:34	1	0.743	# BV	24681.	48.869	UG/L	2.41
10	63	442	7:22	1	0.834	# BV	45318.	48.608	UG/L	2.39
11	96	394	6:34	1	0.743	# BV	24681.	48.692	UG/L	2.40
12	83	546	9:06	1	1.030	# VV	44570.	47.483	UG/L	2.34
13	62	598	9:58	1	1.128	A BB	23248.	48.208	UG/L	2.37
14	65	590	9:50	1	1.113	A BB	21340.	48.070	UG/L	2.37
15	114	641	10:41	15	1.000	# BB	93493.	50.000	UG/L	2.46
16	72	517	8:37	15	0.807	A BB	1455.	35.373	UG/L	1.74
17	97	552	9:12	15	0.861	# VV	30600.	45.518	UG/L	2.24
18	117	567	9:27	15	0.885	# VB	29448.	41.450	UG/L	2.04
19	43	461	7:41	15	0.719	# VV	45569.	50.966	UG/L	2.51
20	83	721	12:01	15	1.125	# BV	40058.	47.394	UG/L	2.33
21	63	685	11:25	15	1.069	A BB	33802.	48.016	UG/L	2.36
22	75	835	13:55	15	1.303	A BB	18327.	27.286	UG/L	1.34
23	130	662	11:02	15	1.033	A BB	32284.	49.665	UG/L	2.45
24	129	894	14:54	15	1.395	# BV	34060.	48.656	UG/L	2.40
25	97	853	14:13	15	1.331	# BV	24598.	48.238	UG/L	2.37
26	78	590	9:50	15	0.920	A BB	78638.	48.848	UG/L	2.41
27	75	769	12:49	15	1.200	A BB	59160.	67.592	UG/L	3.33
28	63	761	12:41	15	1.187	# BV	10763.	41.356	UG/L	2.04
29	173	1061	17:41	15	1.655	A BB	26484.	47.771	UG/L	2.35
30	117	956	15:56	30	1.000	# BV	80157.	50.000	UG/L	2.46
31	58	889	14:49	30	0.930	A BB	6901.	45.206	UG/L	2.23
32	58	793	13:13	30	0.829	A BB	8125.	46.055	UG/L	2.27
33	164	858	14:18	30	0.897	A BB	30281.	51.317	UG/L	2.53
34	83	1135	18:55	30	1.187	# BV	37041.	47.811	UG/L	2.35
35	92	800	13:20	30	0.837	# BV	51346.	50.022	UG/L	2.46
36	112	959	15:59	30	1.003	# BV	68452.	50.505	UG/L	2.49
37	106	977	16:17	30	1.022	# BV	32612.	50.206	UG/L	2.47
38	104	1042	17:22	30	1.090	A BB	70077.	49.889	UG/L	2.46
39	106	1039	17:19	30	1.087	# BV	39806.	50.220	UG/L	2.47
40	95	1104	18:24	30	1.155	# BV	47031.	48.617	UG/L	2.39
41	98	793	13:13	30	0.829	# BB	86778.	50.245	UG/L	2.47
42	106	992	16:32	30	1.038	# VB	41168.	50.090	UG/L	2.47

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:52	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	2:10	0.99	0.244	1.00	50.56	50.00	1.102	1.090	1.01
3	3:08	0.98	0.353	0.99	52.87	50.00	1.187	1.123	1.06
4	2:26	0.99	0.274	0.99	52.19	50.00	1.192	1.142	1.04
5	3:24	0.98	0.383	0.98	52.28	50.00	0.821	0.785	1.05
6	6:10	0.99	0.695	0.99	50.14	50.00	1.823	1.818	1.00
7	5:33	0.97	0.626	0.98	42.23	50.00	0.056	0.066	0.84
8	5:12	0.99	0.586	0.99	52.57	50.00	3.898	3.708	1.05
9	6:38	0.99	0.748	0.99	48.87	50.00	1.481	1.515	0.98
10	7:25	0.99	0.836	1.00	48.61	50.00	2.719	2.797	0.97
11	6:38	0.99	0.748	0.99	48.69	50.00	1.481	1.521	0.97
12	9:08	1.00	1.030	1.00	47.48	50.00	2.674	2.816	0.95
13	10:00	1.00	1.128	1.00	48.21	50.00	1.395	1.447	0.96
14	9:52	1.00	1.113	1.00	48.07	50.00	1.280	1.332	0.96
15	10:42	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
16	8:42	0.99	0.813	0.99	35.37	50.00	0.016	0.022	0.71
17	9:14	1.00	0.863	1.00	45.52	50.00	0.327	0.360	0.91
18	9:29	1.00	0.886	1.00	41.45	50.00	0.315	0.380	0.83
19	7:45	0.99	0.724	0.99	50.97	50.00	0.487	0.478	1.02
20	12:02	1.00	1.125	1.00	47.39	50.00	0.428	0.452	0.95

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
21	11:26	1.00	1.069	1.00	48.02	50.00	0.362	0.376	0.96
22	13:55	1.00	1.301	1.00	27.29	29.00	0.338	0.359	0.94
23	11:03	1.00	1.033	1.00	49.67	50.00	0.345	0.348	0.99
24	14:53	1.00	1.391	1.00	48.66	50.00	0.364	0.374	0.97
25	14:13	1.00	1.329	1.00	48.24	50.00	0.263	0.273	0.96
26	9:52	1.00	0.922	1.00	48.85	50.00	0.841	0.861	0.98
27	12:50	1.00	1.199	1.00	67.59	70.00	0.452	0.468	0.97
28	12:41	1.00	1.185	1.00	41.36	50.00	0.115	0.139	0.83
29	17:42	1.00	1.654	1.00	47.77	50.00	0.283	0.296	0.96
30	15:56	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
31	14:49	1.00	0.930	1.00	45.21	50.00	0.086	0.095	0.90
32	13:13	1.00	0.829	1.00	46.06	50.00	0.101	0.110	0.92
33	14:18	1.00	0.897	1.00	51.32	50.00	0.378	0.368	1.03
34	18:57	1.00	1.189	1.00	47.81	50.00	0.462	0.483	0.96
35	13:20	1.00	0.837	1.00	50.02	50.00	0.641	0.640	1.00
36	15:59	1.00	1.003	1.00	50.50	50.00	0.854	0.845	1.01
37	16:17	1.00	1.022	1.00	50.21	50.00	0.407	0.405	1.00
38	17:23	1.00	1.091	1.00	49.89	50.00	0.874	0.876	1.00
39	17:19	1.00	1.087	1.00	50.22	50.00	0.497	0.494	1.00
40	18:25	1.00	1.156	1.00	48.62	50.00	0.587	0.603	0.97
41	13:13	1.00	0.829	1.00	50.24	50.00	1.083	1.077	1.00
42	16:32	1.00	1.038	1.00	50.09	50.00	0.514	0.513	1.00

QUANTITATION REPORT FILE: STDZ534

DATA: STDZ534.TI
04/13/88 22:58:00
SAMPLE: 50 PPB HSL STD 100%/5ML
SUBMITTED BY: RMAL ANALYST: DAG

01773

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

NO	NAME			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	1,4-DIFLUOROBENZENE	114	SE2#	15
3	CHLOROBENZENE-D5	117	E2#	30
4	D4-1,2-DICHLOROETHANE	65	SE2#	14
5	TOLUENE-D8	98	SE2#	41
6	BROMOFLUOROBENZENE	95	SE2#	40
7	CHLOROMETHANE	50	E2#	02SP
8	VINYL CHLORIDE	62	E2#	04CC
9	BROMOMETHANE	94	E2#	03
10	CHLORETHANE	64	E2#	05
11	1,1-DICHLOROETHENE	96	E2#	09
12	CARBON DISULFIDE	76	E2#	08
13	ACETONE	58	E2#	07
14	METHYLENE CHLORIDE	84	E2#	06
15	TRANS-1,2-DICHLOROETHENE	96	E2#	11
16	1,1-DICHLOROETHANE	63	E2#	10SP
17	VINYL ACETATE	43	E2#	19
18	2-BUTANONE	72	E2#	16
19	CHLOROFORM	83	E2#	12CC
20	1,1,1-TRICHLOROETHANE	97	E2#	17
21	CARBONTETRACHLORIDE	117	E2#	18
22	BENZENE	78	E2#	26
23	1,2-DICHLOROETHANE	62	E2#	13
24	TRICHLORETHENE	130	E2#	23
25	1,2-DICHLOROPROPANE	63	E2#	21CC
26	BROMODICHLOROMETHANE	83	E2#	20
27	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
28	CIS-1,3-DICHLOROPROPENE	75	E2#	27
29	4-METHYL-2-PENTANONE	58	E2#	32
30	TOLUENE	92	E2#	35
31	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
32	1,1,2-TRICHLOROETHANE	97	E2#	25
33	TETRACHLOROETHENE	164	E2#	33
34	2-HEXANONE	58	E2#	31
35	DIBROMOCHLOROMETHANE	129	E2#	24
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	M&P XYLENE	106	E2#	42
39	O-XYLENE	106	E2#	39
40	STYRENE	104	E2#	38
41	BROMOFORM	173	E2#	29SP
42	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	530	8:50	1	1.000	A BB	16666.	50.000	UG/L	2.38
2	114	641	10:41	2	1.000	# BB	93493.	50.000	UG/L	2.38

01774 10

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	117	956	15:56	3	1.000	# BV	80157.	50.000	UG/L	2.38
4	65	590	9:50	1	1.113	A BB	21340.	50.000	UG/L	2.38
5	98	793	13:13	3	0.829	# BB	86778.	50.000	UG/L	2.38
6	95	1104	18:24	3	1.155	# BV	47031.	50.000	UG/L	2.38
7	50	129	2:09	1	0.243	A BB	18372.	50.000	UG/L	2.38
8	62	144	2:24	1	0.272	A BB	19860.	50.000	UG/L	2.38
9	94	185	3:05	1	0.349	A BB	19786.	50.000	UG/L	2.38
10	64	200	3:20	1	0.377	# BB	13687.	50.000	UG/L	2.38
11	96	299	4:59	1	0.564	M XX	21625.	50.000	UG/L	2.38
12	76	308	5:08	1	0.581	A BB	64969.	50.000	UG/L	2.38
13	58	324	5:24	1	0.611	A BB	929.	50.000	UG/L	2.38
14	84	366	6:06	1	0.691	# BV	30379.	50.000	UG/L	2.38
15	96	394	6:34	1	0.743	# BV	24681.	50.000	UG/L	2.38
16	63	442	7:22	1	0.834	# BV	45318.	50.000	UG/L	2.38
17	43	461	7:41	2	0.719	# VV	45569.	50.000	UG/L	2.38
18	72	517	8:37	2	0.807	A BB	1455.	50.000	UG/L	2.38
19	83	546	9:06	1	1.030	# VV	44570.	50.000	UG/L	2.38
20	97	552	9:12	2	0.861	# VV	30600.	50.000	UG/L	2.38
21	117	567	9:27	2	0.885	# VB	29448.	50.000	UG/L	2.38
22	78	590	9:50	2	0.920	A BB	78638.	50.000	UG/L	2.38
23	62	598	9:58	1	1.128	A BB	23248.	50.000	UG/L	2.38
24	130	662	11:02	2	1.033	A BB	32284.	50.000	UG/L	2.38
25	63	685	11:25	2	1.069	A BB	33802.	50.000	UG/L	2.38
26	83	721	12:01	2	1.125	# BV	40058.	50.000	UG/L	2.38
27	63	761	12:41	2	1.187	# BV	10763.	50.000	UG/L	2.38
28	75	769	12:49	2	1.200	A BB	59160.	70.000	UG/L	3.33
29	58	793	13:13	3	0.829	A BB	8125.	50.000	UG/L	2.38
30	92	800	13:20	3	0.837	# BV	51346.	50.000	UG/L	2.38
31	75	835	13:55	2	1.303	A BB	18327.	29.000	UG/L	1.38
32	97	853	14:13	2	1.331	# BV	24598.	50.000	UG/L	2.38
33	164	858	14:18	3	0.897	A BB	30281.	50.000	UG/L	2.38
34	58	889	14:49	3	0.930	A BB	6901.	50.000	UG/L	2.38
35	129	894	14:54	2	1.395	# BV	34060.	50.000	UG/L	2.38
36	112	959	15:59	3	1.003	# BV	68452.	50.000	UG/L	2.38
37	106	977	16:17	3	1.022	# BV	32612.	50.000	UG/L	2.38
38	106	992	16:32	3	1.038	# VB	41168.	50.000	UG/L	2.38
39	106	1039	17:19	3	1.087	# BV	39806.	50.000	UG/L	2.38
40	104	1042	17:22	3	1.090	A BB	70077.	50.000	UG/L	2.38
41	173	1061	17:41	2	1.655	A BB	26484.	50.000	UG/L	2.38
42	83	1135	18:55	3	1.187	# BV	37041.	50.000	UG/L	2.38

RMAL QUANTITATION SUMMARY FILE: STDZ534
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

01775

NO	NAME			SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	BROMOCHLOROMETHANE	128	IE2# 01	530	1	1.000	1.000	50.000	UG/L
2	1,4-DIFLUOROBENZENE	114	SE2# 15	641	2	1.000	1.000	50.000	UG/L
3	CHLOROBENZENE-D5	117	E2# 30	956	3	1.000	1.000	50.000	UG/L
4	D4-1,2-DICHLOROETHANE	65	SE2# 14	590	1	1.113	1.280	50.000	UG/L
5	TOLUENE-D8	98	SE2# 41	793	3	0.829	1.083	50.000	UG/L
6	BROMOFLUOROBENZENE	95	SE2# 40	1104	3	1.155	0.587	50.000	UG/L
7	CHLOROMETHANE	50	E2# 02SP	129	1	0.243	1.102	50.000	UG/L
8	VINYL CHLORIDE	62	E2# 04CC	144	1	0.272	1.192	50.000	UG/L
9	BROMOMETHANE	94	E2# 03	185	1	0.349	1.187	50.000	UG/L
10	CHLORETHANE	64	E2# 05	200	1	0.377	0.821	50.000	UG/L
11	1,1-DICHLOROETHENE	96	E2# 09	299	1	0.564	1.298	50.000	UG/L
12	CARBON DISULFIDE	76	E2# 08	308	1	0.581	3.898	50.000	UG/L
13	ACETONE	58	E2# 07	324	1	0.611	0.056	50.000	UG/L
14	METHYLENE CHLORIDE	84	E2# 06	366	1	0.691	1.823	50.000	UG/L
15	TRANS-1,2-DICHLOROETHENE	96	E2# 11	394	1	0.743	1.481	50.000	UG/L
16	1,1-DICHLOROETHANE	63	E2# 10SP	442	1	0.834	2.719	50.000	UG/L
17	VINYL ACETATE	43	E2# 19	461	2	0.719	0.487	50.000	UG/L
18	2-BUTANONE	72	E2# 16	517	2	0.807	0.016	50.000	UG/L
19	CHLOROFORM	83	E2# 12CC	546	1	1.030	2.674	50.000	UG/L
20	1,1,1-TRICHLOROETHANE	97	E2# 17	552	2	0.861	0.327	50.000	UG/L
21	CARBONTETRACHLORIDE	117	E2# 18	567	2	0.885	0.315	50.000	UG/L
22	BENZENE	78	E2# 26	590	2	0.920	0.841	50.000	UG/L
23	1,2-DICHLOROETHANE	62	E2# 13	598	1	1.128	1.395	50.000	UG/L
24	TRICHLORETHENE	130	E2# 23	662	2	1.033	0.345	50.000	UG/L
25	1,2-DICHLOROPROPANE	63	E2# 21CC	685	2	1.069	0.362	50.000	UG/L
26	BROMODICHLOROMETHANE	83	E2# 20	721	2	1.125	0.428	50.000	UG/L
27	2-CHLOROETHYL VINYL ETHER	63	E2# 28SP	761	2	1.187	0.115	50.000	UG/L
28	CIS-1,3-DICHLOROPROPENE	75	E2# 27	769	2	1.200	0.452	70.000	UG/L
29	4-METHYL-2-PENTANONE	58	E2# 32	793	3	0.829	0.101	50.000	UG/L
30	TOLUENE	92	E2# 35	800	3	0.837	0.641	50.000	UG/L
31	TRANS-1,3-DICHLOROPROPENE	75	E2# 22	835	2	1.303	0.338	29.000	UG/L
32	1,1,2-TRICHLOROETHANE	97	E2# 25	853	2	1.331	0.263	50.000	UG/L
33	TETRACHLOROETHENE	164	E2# 33	858	3	0.897	0.378	50.000	UG/L
34	2-HEXANONE	58	E2# 31	889	3	0.930	0.086	50.000	UG/L
35	DIBROMOCHLOROMETHANE	129	E2# 24	894	2	1.395	0.364	50.000	UG/L
36	CHLOROBENZENE	112	E2# 36SP	959	3	1.003	0.854	50.000	UG/L
37	ETHYLBENZENE	106	E2# 37	977	3	1.022	0.407	50.000	UG/L
38	M&P XYLENE	106	E2# 42	992	3	1.038	0.514	50.000	UG/L
39	O-XYLENE	106	E2# 39	1039	3	1.087	0.497	50.000	UG/L
40	STYRENE	104	E2# 38	1042	3	1.090	0.874	50.000	UG/L
41	BROMOFORM	173	E2# 29SP	1061	2	1.655	0.283	50.000	UG/L
42	1,1,2,2-TETRACHLOROETHANE	83	E2# 34SP	1135	3	1.187	0.462	50.000	UG/L

4/14/88 0:21:48 SCAN 1 OF 1900

01776

Acquisition started

Acquire Run 2:STDZ536 ACQUIRING
04/14/88 0:21:00 + 0:04 Free sectors: 11481 Scan: 4 of 1900
Sample: 20 PPB HSL STD 100%/5ML
Conds.: GC DESC CV
Formula: --- Instrument: 4500 Weight: 1.000
Submitted by: RMAL Analyst: DAG Acct. No:

********** 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)
1	-10 - -10	-	1.0	1.0
2	-10 - 100	6.0	18.3	19.3
3	100 - 170	8.3	8.4	27.7
4	170 - 170	-	5.0	32.7

	Open	Close
Sweep/Split	32.7	0.0
Divert	32.7	0.0

********** 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

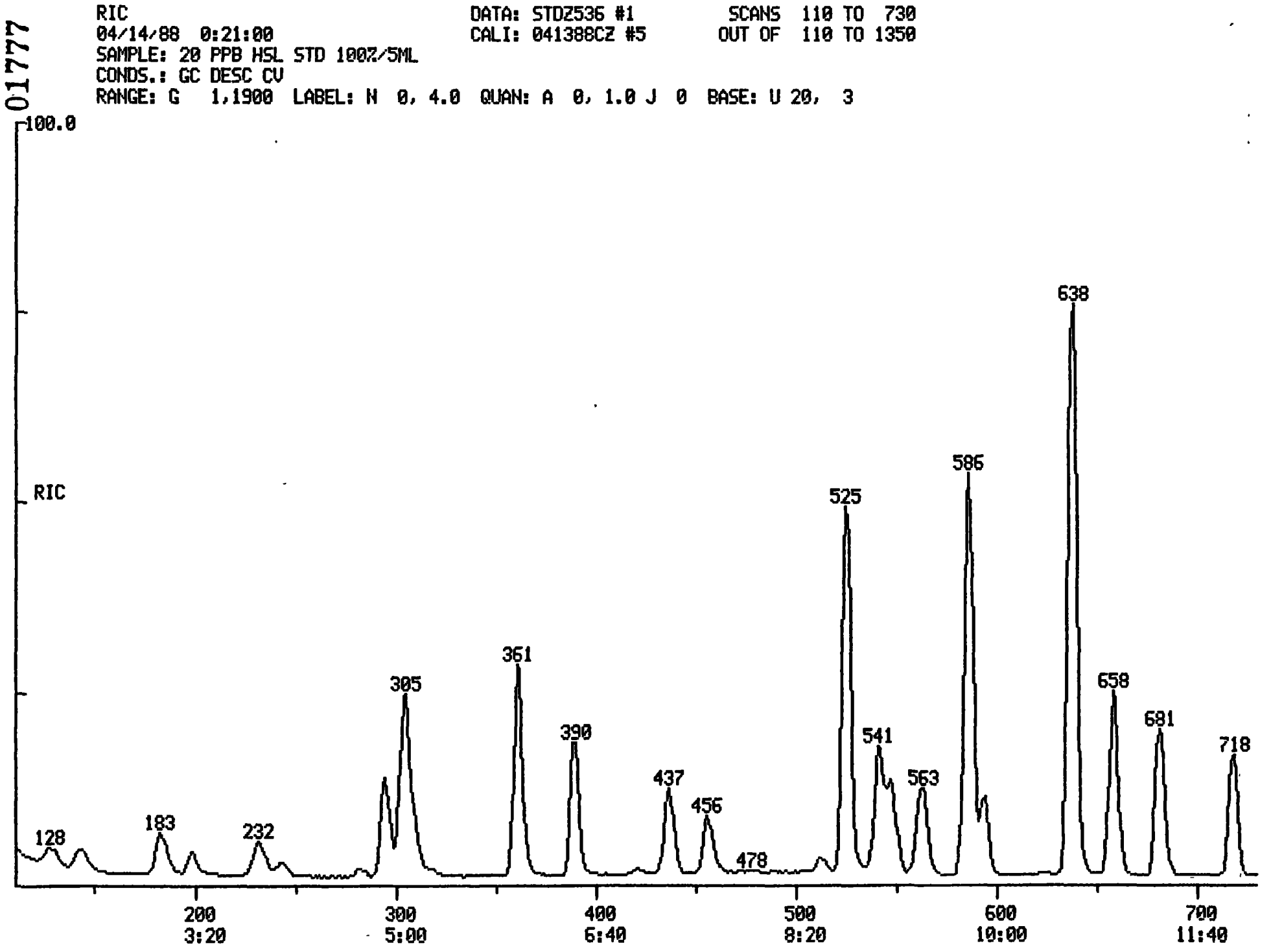
Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

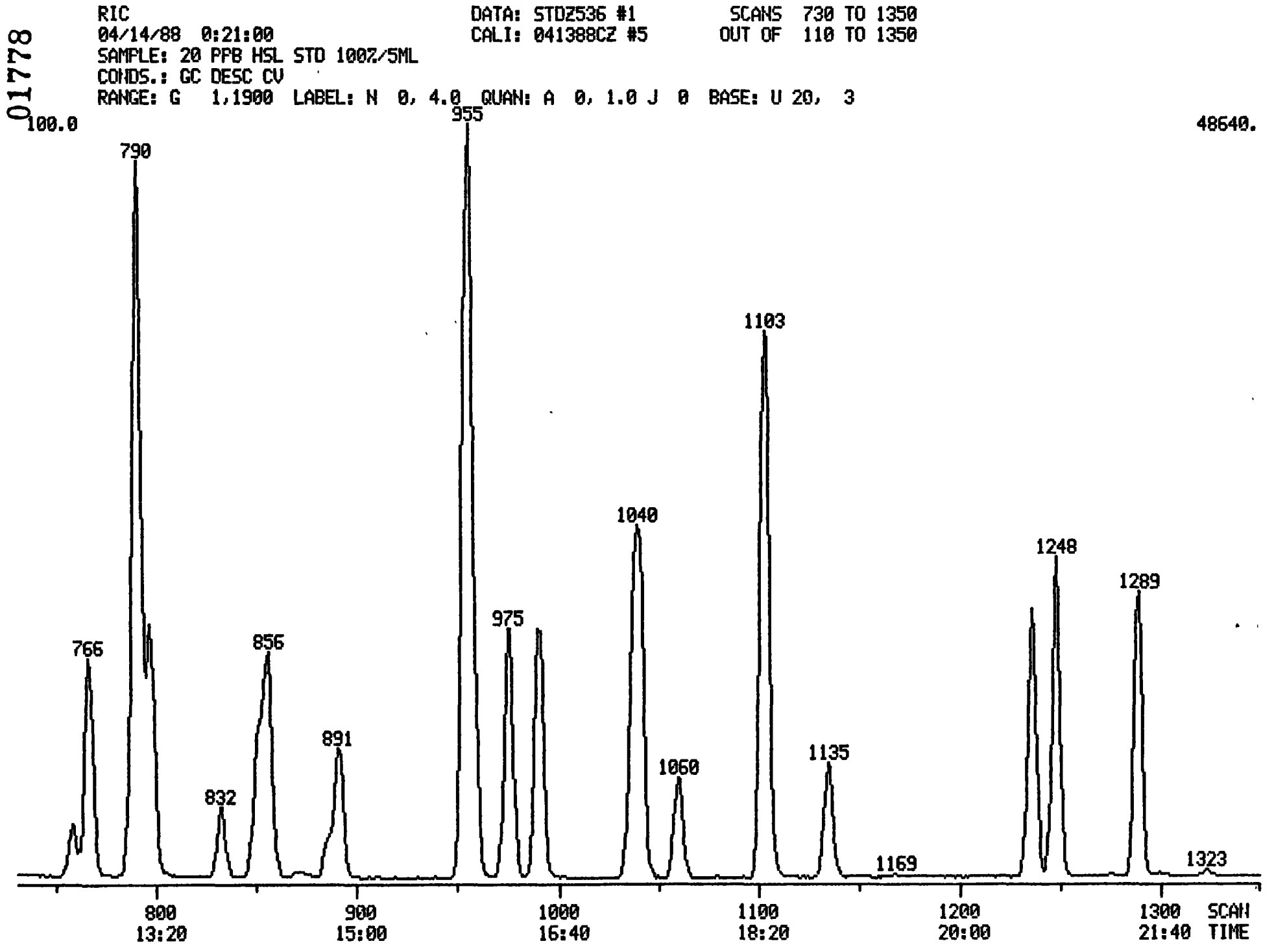
***** Mode: Centroid positive ion + R1 (Temp)

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	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	

4/14/88 0:53:30
ACQUISITION COMPLETED
SCANS 1 TO 1900 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec	
Centroid	1900	37.2	1900.0	2.0	26229.	14.	14.


017777
RIC
04/14/88 0:21:00
SAMPLE: 20 PPB HSL STD 100Z/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDZ536 #1
CALI: 041388CZ #5
SCANS 110 TO 730
OUT OF 110 TO 1350
100.0
RIC
128
183
232
305
361
390
437
456
478
525
541
563
586
638
658
681
718
200
3:20
300
5:00
400
6:40
500
8:20
600
10:00
700
11:40


01778
RIC
04/14/88 0:21:00
SAMPLE: 20 PPB HSL STD 100Z/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDZ536 #1
CALI: 041388CZ #5
SCANS 730 TO 1350
OUT OF 110 TO 1350
100.0
48640.
766
790
832
856
891
955
975
1040
1060
1103
1135
1169
1248
1289
1323
800
13:20
900
15:00
1000
16:40
1100
18:20
1200
20:00
1300
21:40
SCAN
TIME

SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

STDZ536
041388CZ
04/14/88
20 PPB HSL STD 100%/5ML

01779

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUR	MATCH	AREA
1	E2	BROM	128	525	530	5	991	840	99.	16784.
2	E2	CHLO	50	128	128	0	967	444	78.	6676.
3	E2	BROM	94	183	183	0	896	883	96.	7323.
4	E2	VINY	62	143	143	0	984	522	83.	7193.
5	E2	CHLO	64	198	198	0	927	579	83.	5067.
6	E2	METH	84	361	363	2	975	722	92.	14956.
7	E2	ACET	58	319	321	2	977	360	74.	285.
8	E2	CARB	76	304	305	1	974	519	82.	25300.
9	E2	1,1-	96	389	390	1	976	792	96.	9597.
10	E2	1,1-	63	437	438	1	981	743	94.	17835.
11	E2	TRAN	96	389	390	1	976	816	97.	9597.
12	E2	CHLO	83	541	541	0	987	789	96.	18773.
13	E2	1,2-	62	594	592	-2	966	677	90.	9131.
14	E2	D4-1	65	586	584	-2	981	469	80.	20890.
15	E2	1,4-	114	638	641	3	995	703	92.	90562.
16	E2	2-BU	72	513	515	2	996	523	83.	494.
17	E2	1,1,	97	547	549	2	969	739	93.	12314.
18	E2	CARB	117	563	564	1	995	820	98.	11348.
19	E2	VINY	43	456	459	3	988	735	94.	19976.
20	E2	BROM	83	718	718	0	986	827	98.	16012.
21	E2	1,2-	63	681	682	1	970	612	87.	13228.
22	E2	TRAN	75	832	831	-1	988	579	86.	7154.
23	E2	TRIC	130	658	659	1	957	860	98.	12271.
24	E2	DIBR	129	891	890	-1	972	833	98.	13536.
25	E2	1,1,	97	851	849	-2	995	750	95.	9928.
26	E2	BENZ	78	586	587	1	946	476	79.	30891.
27	E2	CIS-	75	766	765	-1	987	770	95.	22961.
28	E2	2-CH	63	758	757	-1	992	826	98.	4272.
29	E2	BROM	173	1060	1056	-4	977	833	98.	10663.
30	E2	CHLO	117	954	956	2	996	725	94.	77305.
31	E2	2-HE	58	886	887	1	995	715	93.	2790.
32	E2	4-ME	58	790	791	1	794	101	52.	3755.
33	E2	TETR	164	856	856	0	995	802	97.	11339.
34	E2	1,1,	83	1135	1133	-2	972	783	95.	15393.
35	E2	TOLU	92	797	798	1	971	711	92.	19864.
36	E2	CHLO	112	957	957	0	953	461	78.	26322.
37	E2	ETHY	106	975	975	0	981	718	92.	12434.
38	E2	STYR	104	1041	1040	-1	978	678	90.	26630.
39	E2	O-XY	106	1038	1037	-1	992	661	90.	15096.
40	E2	BROM	95	1103	1102	-1	966	797	96.	45303.
41	E2	TOLU	98	790	791	1	971	748	93.	84628.
42	E2	M&P	106	990	990	0	982	705	92.	15591.

Quantitation Report File: STDZ536

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

01780

No	Name			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	CHLOROMETHANE	50	E2#	02SP
3	BROMOMETHANE	94	E2#	03
4	VINYL CHLORIDE	62	E2#	04CC
5	CHLORETHANE	64	E2#	05
6	METHYLENE CHLORIDE	84	E2#	06
7	ACETONE	58	E2#	07
8	CARBON DISULFIDE	76	E2#	08
9	1,1-DICHLOROETHENE	96	E2#	09
10	1,1-DICHLOROETHANE	63	E2#	10SP
11	TRANS-1,2-DICHLOROETHENE	96	E2#	11
12	CHLOROFORM	83	E2#	12CC
13	1,2-DICHLOROETHANE	62	E2#	13
14	D4-1,2-DICHLOROETHANE	65	SE2#	14
15	1,4-DIFLUOROBENZENE	114	SE2#	15
16	2-BUTANONE	72	E2#	16
17	1,1,1-TRICHLOROETHANE	97	E2#	17
18	CARBONTETRACHLORIDE	117	E2#	18
19	VINYL ACETATE	43	E2#	19
20	BROMODICHLOROMETHANE	83	E2#	20
21	1,2-DICHLOROPROPANE	63	E2#	21CC
22	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
23	TRICHLORETHENE	130	E2#	23
24	DIBROMOCHLOROMETHANE	129	E2#	24
25	1,1,2-TRICHLOROETHANE	97	E2#	25
26	BENZENE	78	E2#	26
27	CIS-1,3-DICHLOROPROPENE	75	E2#	27
28	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
29	BROMOFORM	173	E2#	29SP
30	CHLOROBENZENE-D5	117	E2#	30
31	2-HEXANONE	58	E2#	31
32	4-METHYL-2-PENTANONE	58	E2#	32
33	TETRACHLOROETHENE	164	E2#	33
34	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP
35	TOLUENE	92	E2#	35
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	STYRENE	104	E2#	38
39	O-XYLENE	106	E2#	39
40	BROMOFLUOROBENZENE	95	SE2#	40
41	TOLUENE-D8	98	SE2#	41
42	M&P XYLENE	106	E2#	42

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	525	8:45	1	1.000	A BB	16784.	50.000	UG/L	4.91
2	50	128	2:08	1	0.244	A BB	6676.	18.042	UG/L	1.77
3	94	183	3:03	1	0.349	A BB	7324.	18.377	UG/L	1.81
4	62	143	2:23	1	0.272	A BB	7193.	17.982	UG/L	1.77
5	64	198	3:18	1	0.377	A BB	5067.	18.381	UG/L	1.81
6	84	361	6:01	1	0.688	A BB	14957.	24.443	UG/L	2.40
7	58	319	5:19	1	0.608	A BB	286.	15.276	UG/L	1.50
8	76	304	5:04	1	0.579	A BB	25300.	19.334	UG/L	1.90

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
9	96	389	6:29	1	0.741	A BB	9598.	19.307	UG/L	1.90
10	63	437	7:17	1	0.832	# BB	17835.	19.539	UG/L	1.92
11	96	389	6:29	1	0.741	A BB	9598.	19.307	UG/L	1.90
12	83	541	9:01	1	1.030	# VB	18774.	20.913	UG/L	2.05
13	62	594	9:54	1	1.131	A BB	9132.	19.502	UG/L	1.92
14	65	586	9:46	1	1.116	A BB	20891.	48.602	UG/L	4.77
15	114	638	10:38	15	1.000	# BV	90563.	50.000	UG/L	4.91
16	72	513	8:33	15	0.804	A BB	494.	17.537	UG/L	1.72
17	97	547	9:07	15	0.857	# VV	12315.	20.773	UG/L	2.04
18	117	563	9:23	15	0.882	A BB	11348.	19.892	UG/L	1.95
19	43	456	7:36	15	0.715	# VV	19976.	22.628	UG/L	2.22
20	83	718	11:58	15	1.125	# VV	16012.	20.633	UG/L	2.03
21	63	681	11:21	15	1.067	A BB	13228.	20.201	UG/L	1.98
22	75	832	13:52	15	1.304	A BB	7155.	11.688	UG/L	1.15
23	130	658	10:58	15	1.031	A BB	12271.	19.620	UG/L	1.93
24	129	891	14:51	15	1.397	A BB	13537.	20.515	UG/L	2.02
25	97	851	14:11	15	1.334	A BB	9929.	20.836	UG/L	2.05
26	78	586	9:46	15	0.918	A BB	30891.	20.277	UG/L	1.99
27	75	766	12:46	15	1.201	A BB	22961.	28.048	UG/L	2.75
28	63	758	12:38	15	1.188	A BB	4272.	20.490	UG/L	2.01
29	173	1060	17:40	15	1.661	A BB	10664.	20.784	UG/L	2.04
30	117	954	15:54	30	1.000	A BB	77306.	50.000	UG/L	4.91
31	58	886	14:46	30	0.929	A BB	2791.	20.968	UG/L	2.06
32	58	790	13:10	30	0.828	A BB	3755.	23.962	UG/L	2.35
33	164	856	14:16	30	0.897	A BB	11339.	19.414	UG/L	1.91
34	83	1135	18:55	30	1.190	# BV	15393.	21.545	UG/L	2.12
35	92	797	13:17	30	0.835	A BB	19864.	20.057	UG/L	1.97
36	112	957	15:57	30	1.003	A BB	26323.	19.937	UG/L	1.96
37	106	975	16:15	30	1.022	A BB	12434.	19.768	UG/L	1.94
38	104	1041	17:21	30	1.091	A BB	26630.	19.702	UG/L	1.94
39	106	1038	17:18	30	1.088	A BB	15097.	19.663	UG/L	1.93
40	95	1103	18:23	30	1.156	# BV	45304.	49.941	UG/L	4.91
41	98	790	13:10	30	0.828	# BV	84628.	50.560	UG/L	4.97
42	106	990	16:30	30	1.038	A BB	15591.	19.635	UG/L	1.93

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:50	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	2:09	0.99	0.243	1.00	18.04	50.00	0.398	1.102	0.36
3	3:05	0.99	0.349	1.00	18.38	50.00	0.436	1.187	0.37
4	2:24	0.99	0.272	1.00	17.98	50.00	0.429	1.192	0.36
5	3:20	0.99	0.377	1.00	18.38	50.00	0.302	0.821	0.37
6	6:06	0.99	0.691	1.00	24.44	50.00	0.891	1.823	0.49
7	5:24	0.98	0.611	0.99	15.28	50.00	0.017	0.056	0.31
8	5:08	0.99	0.581	1.00	19.33	50.00	1.507	3.898	0.39
9	6:34	0.99	0.743	1.00	19.31	50.00	0.572	1.481	0.39
10	7:22	0.99	0.834	1.00	19.54	50.00	1.063	2.719	0.39
11	6:34	0.99	0.743	1.00	19.31	50.00	0.572	1.481	0.39
12	9:06	0.99	1.030	1.00	20.91	50.00	1.119	2.674	0.42
13	9:58	0.99	1.128	1.00	19.50	50.00	0.544	1.395	0.39
14	9:50	0.99	1.113	1.00	48.60	50.00	1.245	1.280	0.97
15	10:41	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
16	8:37	0.99	0.807	1.00	17.54	50.00	0.005	0.016	0.35
17	9:12	0.99	0.861	1.00	20.77	50.00	0.136	0.327	0.42
18	9:27	0.99	0.885	1.00	19.89	50.00	0.125	0.315	0.40
19	7:41	0.99	0.719	0.99	22.63	50.00	0.221	0.487	0.45
20	12:01	1.00	1.125	1.00	20.63	50.00	0.177	0.428	0.41

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
21	11:25	0.99	1.069	1.00	20.20	50.00	0.146	0.362	0.40
22	13:55	1.00	1.303	1.00	11.69	29.00	0.136	0.338	0.40
23	11:02	0.99	1.033	1.00	19.62	50.00	0.136	0.345	0.39
24	14:54	1.00	1.395	1.00	20.52	50.00	0.149	0.364	0.41
25	14:13	1.00	1.331	1.00	20.84	50.00	0.110	0.263	0.42
26	9:50	0.99	0.920	1.00	20.28	50.00	0.341	0.841	0.41
27	12:49	1.00	1.200	1.00	28.05	70.00	0.181	0.452	0.40
28	12:41	1.00	1.187	1.00	20.49	50.00	0.047	0.115	0.41
29	17:41	1.00	1.655	1.00	20.78	50.00	0.118	0.283	0.42
30	15:56	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
31	14:49	1.00	0.930	1.00	20.97	50.00	0.036	0.086	0.42
32	13:13	1.00	0.829	1.00	23.96	50.00	0.049	0.101	0.48
33	14:18	1.00	0.897	1.00	19.41	50.00	0.147	0.378	0.39
34	18:55	1.00	1.187	1.00	21.55	50.00	0.199	0.462	0.43
35	13:20	1.00	0.837	1.00	20.06	50.00	0.257	0.641	0.40
36	15:59	1.00	1.003	1.00	19.94	50.00	0.341	0.854	0.40
37	16:17	1.00	1.022	1.00	19.77	50.00	0.161	0.407	0.40
38	17:22	1.00	1.090	1.00	19.70	50.00	0.344	0.874	0.39
39	17:19	1.00	1.087	1.00	19.66	50.00	0.195	0.497	0.39
40	18:24	1.00	1.155	1.00	49.94	50.00	0.586	0.587	1.00
41	13:13	1.00	0.829	1.00	50.56	50.00	1.095	1.083	1.01
42	16:32	1.00	1.038	1.00	19.63	50.00	0.202	0.514	0.39

QUANTITATION REPORT FILE: STDZ536

DATA: STDZ536.TI
04/14/88 0:21:00
SAMPLE: 20 PPB HSL STD 100%/5ML
SUBMITTED BY: RMAL ANALYST: DAG

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

NO	NAME			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	1,4-DIFLUOROBENZENE	114	SE2#	15
3	CHLOROBENZENE-D5	117	E2#	30
4	D4-1,2-DICHLOROETHANE	65	SE2#	14
5	TOLUENE-D8	98	SE2#	41
6	BROMOFLUOROBENZENE	95	SE2#	40
7	CHLOROMETHANE	50	E2#	02SP
8	VINYL CHLORIDE	62	E2#	04CC
9	BROMOMETHANE	94	E2#	03
10	CHLORETHANE	64	E2#	05
11	1,1-DICHLOROETHENE	96	E2#	09
12	CARBON DISULFIDE	76	E2#	08
13	ACETONE	58	E2#	07
14	METHYLENE CHLORIDE	84	E2#	06
15	TRANS-1,2-DICHLOROETHENE	96	E2#	11
16	1,1-DICHLOROETHANE	63	E2#	10SP
17	VINYL ACETATE	43	E2#	19
18	2-BUTANONE	72	E2#	16
19	CHLOROFORM	83	E2#	12CC
20	1,1,1-TRICHLOROETHANE	97	E2#	17
21	CARBONTETRACHLORIDE	117	E2#	18
22	BENZENE	78	E2#	26
23	1,2-DICHLOROETHANE	62	E2#	13
24	TRICHLORETHENE	130	E2#	23
25	1,2-DICHLOROPROPANE	63	E2#	21CC
26	BROMODICHLOROMETHANE	83	E2#	20
27	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
28	CIS-1,3-DICHLOROPROPENE	75	E2#	27
29	4-METHYL-2-PENTANONE	58	E2#	32
30	TOLUENE	92	E2#	35
31	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
32	1,1,2-TRICHLOROETHANE	97	E2#	25
33	TETRACHLOROETHENE	164	E2#	33
34	2-HEXANONE	58	E2#	31
35	DIBROMOCHLOROMETHANE	129	E2#	24
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	M&P XYLENE	106	E2#	42
39	O-XYLENE	106	E2#	39
40	STYRENE	104	E2#	38
41	BROMOFORM	173	E2#	29SP
42	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	525	8:45	1	1.000	A BB	16784.	50.000 UG/L	4.91
2	114	638	10:38	2	1.000	# BV	90563.	50.000 UG/L	4.91

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	117	954	15:54	3	1.000	A BB	77306.	50.000	UG/L	4.75
4	65	586	9:46	1	1.116	A BB	20891.	48.602	UG/L	4.77
5	98	790	13:10	3	0.828	# BV	84628.	50.560	UG/L	4.97
6	95	1103	18:23	3	1.156	# BV	45304.	49.941	UG/L	4.91
7	50	128	2:08	1	0.244	A BB	6676.	18.042	UG/L	1.77
8	62	143	2:23	1	0.272	A BB	7193.	17.982	UG/L	1.77
9	94	183	3:03	1	0.349	A BB	7324.	18.377	UG/L	1.81
10	64	198	3:18	1	0.377	A BB	5067.	18.381	UG/L	1.81
11	96	295	4:55	1	0.562	M XX	8402.	19.289	UG/L	1.89
12	76	304	5:04	1	0.579	A BB	25300.	19.334	UG/L	1.90
13	58	319	5:19	1	0.608	A BB	286.	15.276	UG/L	1.50
14	84	361	6:01	1	0.688	A BB	14957.	24.443	UG/L	2.40
15	96	389	6:29	1	0.741	A BB	9598.	19.307	UG/L	1.90
16	63	437	7:17	1	0.832	# BB	17835.	19.539	UG/L	1.92
17	43	456	7:36	2	0.715	# VV	19976.	22.628	UG/L	2.22
18	72	513	8:33	2	0.804	A BB	494.	17.537	UG/L	1.72
19	83	541	9:01	1	1.030	# VB	18774.	20.913	UG/L	2.05
20	97	547	9:07	2	0.857	# VV	12315.	20.773	UG/L	2.04
21	117	563	9:23	2	0.882	A BB	11348.	19.892	UG/L	1.95
22	78	586	9:46	2	0.918	A BB	30891.	20.277	UG/L	1.99
23	62	594	9:54	1	1.131	A BB	9132.	19.502	UG/L	1.92
24	130	638	10:38	2	1.031	A BB	12271.	19.620	UG/L	1.93
25	63	681	11:21	2	1.067	A BB	13228.	20.201	UG/L	1.98
26	83	718	11:58	2	1.125	# VV	16012.	20.633	UG/L	2.03
27	63	758	12:38	2	1.188	A BB	4272.	20.490	UG/L	2.01
28	75	766	12:46	2	1.201	A BB	22961.	28.048	UG/L	2.76
29	58	790	13:10	3	0.828	A BB	3755.	23.962	UG/L	2.35
30	92	797	13:17	3	0.835	A BB	19864.	20.057	UG/L	1.97
31	75	832	13:52	2	1.304	A BB	7155.	11.688	UG/L	1.15
32	97	851	14:11	2	1.334	A BB	9929.	20.836	UG/L	2.05
33	164	856	14:16	3	0.897	A BB	11339.	19.414	UG/L	1.91
34	58	886	14:46	3	0.929	A BB	2791.	20.968	UG/L	2.06
35	129	891	14:51	2	1.397	A BB	13537.	20.515	UG/L	2.02
36	112	957	15:57	3	1.003	A BB	26323.	19.937	UG/L	1.96
37	106	975	16:15	3	1.022	A BB	12434.	19.768	UG/L	1.94
38	106	990	16:30	3	1.038	A BB	15591.	19.635	UG/L	1.93
39	106	1038	17:18	3	1.088	A BB	15097.	19.663	UG/L	1.93
40	104	1041	17:21	3	1.091	A BB	26630.	19.702	UG/L	1.94
41	173	1060	17:40	2	1.661	A BB	10664.	20.784	UG/L	2.04
42	83	1135	18:55	3	1.190	# BV	15393.	21.545	UG/L	2.12

RMAL QUANTITATION SUMMARY FILE: STDZ336

01785

RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

NO	NAME		SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	BROMOCHLOROMETHANE	128IE2# 01	525	1	1.000	1.000	50.000	UG/L
2	1,4-DIFLUOROBENZENE	114SE2# 15	638	2	1.000	1.000	50.000	UG/L
3	CHLOROBENZENE-D5	117 E2# 30	954	3	1.000	1.000	50.000	UG/L
4	D4-1,2-DICHLOROETHANE	65SE2# 14	586	1	1.116	1.245	48.602	UG/L
5	TOLUENE-D8	98SE2# 41	790	3	0.828	1.095	50.560	UG/L
6	BROMOFLUOROBENZENE	95SE2# 40	1103	3	1.156	0.586	49.941	UG/L
7	CHLOROMETHANE	50 E2# 02SP	128	1	0.244	0.398	18.042	UG/L
8	VINYL CHLORIDE	62 E2# 04CC	143	1	0.272	0.429	17.982	UG/L
9	BROMOMETHANE	94 E2# 03	183	1	0.349	0.436	18.377	UG/L
10	CHLORETHANE	64 E2# 05	198	1	0.377	0.302	18.381	UG/L
11	1,1-DICHLOROETHENE	96 E2# 09	295	1	0.562	0.501	19.289	UG/L
12	CARBON DISULFIDE	76 E2# 08	304	1	0.579	1.507	19.334	UG/L
13	ACETONE	58 E2# 07	319	1	0.608	0.017	15.276	UG/L
14	METHYLENE CHLORIDE	84 E2# 06	361	1	0.688	0.891	24.443	UG/L
15	TRANS-1,2-DICHLOROETHENE	96 E2# 11	389	1	0.741	0.572	19.307	UG/L
16	1,1-DICHLOROETHANE	63 E2# 10SP	437	1	0.832	1.063	19.539	UG/L
17	VINYL ACETATE	43 E2# 19	456	2	0.715	0.221	22.628	UG/L
18	2-BUTANONE	72 E2# 16	513	2	0.804	0.005	17.537	UG/L
19	CHLOROFORM	83 E2# 12CC	541	1	1.030	1.119	20.913	UG/L
20	1,1,1-TRICHLOROETHANE	97 E2# 17	547	2	0.857	0.136	20.773	UG/L
21	CARBONTETRACHLORIDE	117 E2# 18	563	2	0.882	0.125	19.892	UG/L
22	BENZENE	78 E2# 26	586	2	0.918	0.341	20.277	UG/L
23	1,2-DICHLOROETHANE	62 E2# 13	594	1	1.131	0.544	19.502	UG/L
24	TRICHLORETHENE	130 E2# 23	658	2	1.031	0.136	19.620	UG/L
25	1,2-DICHLOROPROPANE	63 E2# 21CC	681	2	1.067	0.146	20.201	UG/L
26	BROMODICHLOROMETHANE	83 E2# 20	718	2	1.125	0.177	20.633	UG/L
27	2-CHLOROETHYL VINYL ETHER	63 E2# 28SP	758	2	1.188	0.047	20.490	UG/L
28	CIS-1,3-DICHLOROPROPENE	75 E2# 27	766	2	1.201	0.181	28.048	UG/L
29	4-METHYL-2-PENTANONE	58 E2# 32	790	3	0.828	0.049	23.962	UG/L
30	TOLUENE	92 E2# 35	797	3	0.835	0.257	20.057	UG/L
31	TRANS-1,3-DICHLOROPROPENE	75 E2# 22	832	2	1.304	0.136	11.688	UG/L
32	1,1,2-TRICHLOROETHANE	97 E2# 25	851	2	1.334	0.110	20.836	UG/L
33	TETRACHLOROETHENE	164 E2# 33	856	3	0.897	0.147	19.414	UG/L
34	2-HEXANONE	58 E2# 31	886	3	0.929	0.036	20.968	UG/L
35	DIBROMOCHLOROMETHANE	129 E2# 24	891	2	1.397	0.149	20.515	UG/L
36	CHLOROBENZENE	112 E2# 36SP	957	3	1.003	0.341	19.937	UG/L
37	ETHYLBENZENE	106 E2# 37	975	3	1.022	0.161	19.768	UG/L
38	M&P XYLENE	106 E2# 42	990	3	1.038	0.202	19.635	UG/L
39	O-XYLENE	106 E2# 39	1038	3	1.088	0.195	19.663	UG/L
40	STYRENE	104 E2# 38	1041	3	1.091	0.344	19.702	UG/L
41	BROMOFORM	173 E2# 29SP	1060	2	1.661	0.118	20.784	UG/L
42	1,1,2,2-TETRACHLOROETHANE	83 E2# 34SP	1135	3	1.190	0.199	21.545	UG/L

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE :2:STDZ537. STARTED : 4/14/88 8:20:55

01786

4/14/88 1:03:14 SCAN 1 OF 1900
Acquisition started

Acquire Run 2:STDZ537 ACQUIRING
04/14/88 1:03:00 + 0:03 Free sectors: 11202 Scan: 3 of 1900
Sample: 100 PPB HSL STD 100%/5ML
Conds.: GC DESC CV
Formula: --- Instrument: 4500 Weight: 1.000
Submitted by: RMAL Analyst: DAG Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:CV Current GC oven tmp: -10 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	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	

4/14/88 1:34:57
ACQUISITION COMPLETED
SCANS 1 TO 1900 Centroid

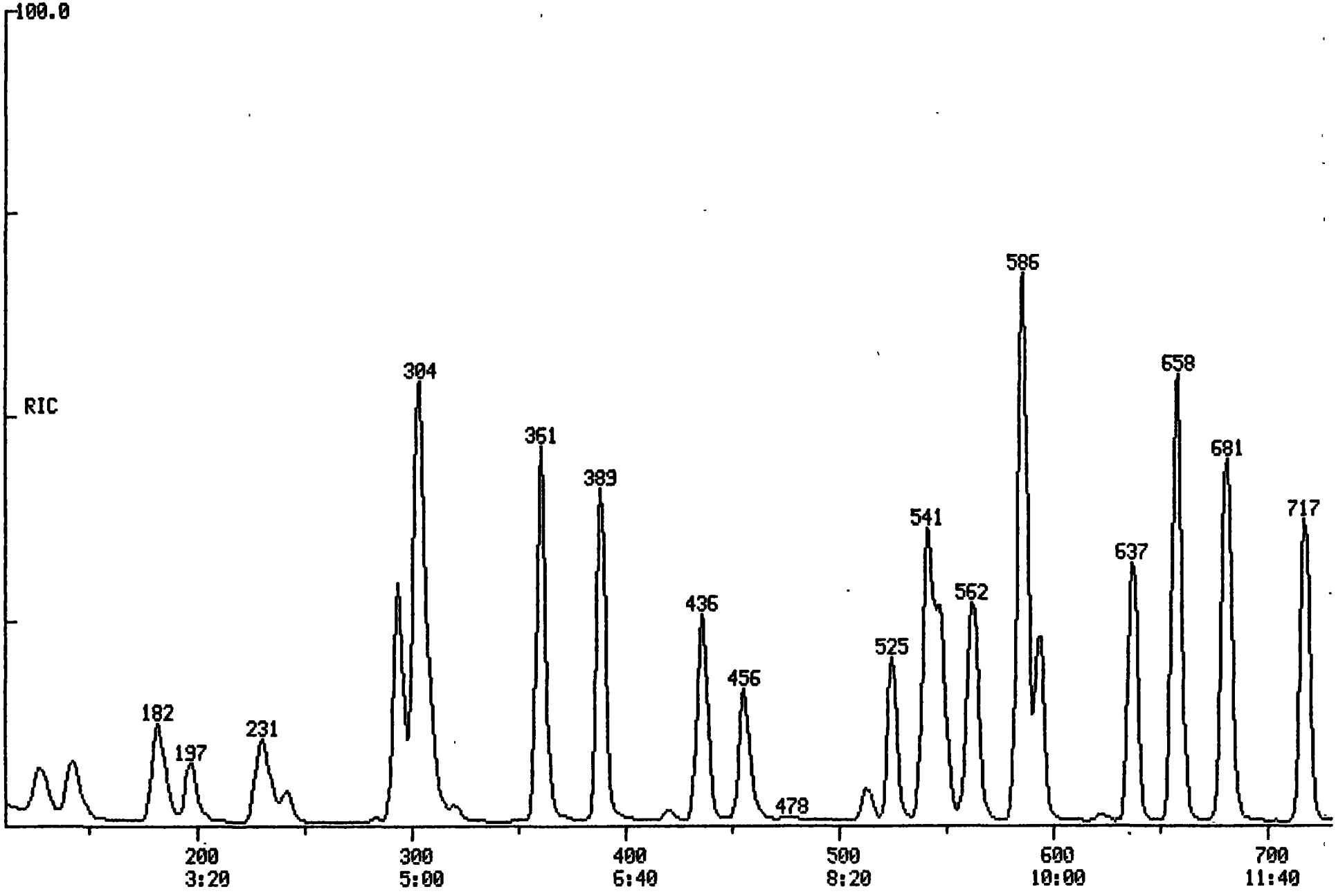
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	1900	39.6	1900.0	2.1	32797.	17. 17.

01787

RIC
04/14/88 1:03:00
SAMPLE: 100 PPB HSL STD 100%/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDZ537 #1
CALI: 041388CZ #5

SCANS 110 TO 730
OUT OF 110 TO 1350

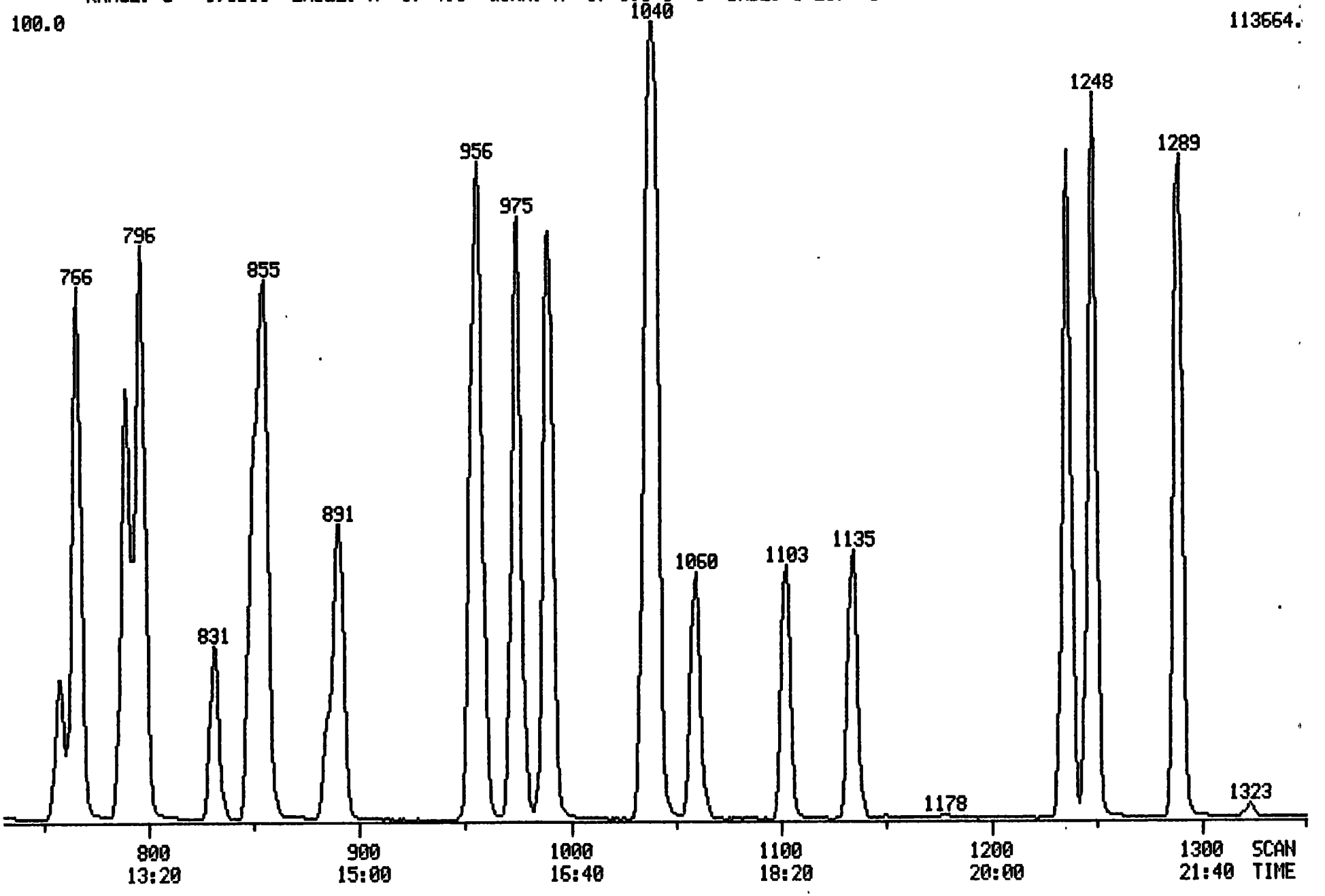


01788

RIC
04/14/88 1:03:00
SAMPLE: 100 PPB HSL STD 100%/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDZ537 #1
CALI: 041388CZ #5

SCANS 730 TO 1350
OUT OF 110 TO 1350



SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

01789

STDZ537
041388CZ
04/14/88
100 PPB HSL STD 100%/5ML

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUR	MATCH	AREA
1	E2	BROM	128	525	530	5	992	831	99.	16376.
2	E2	CHLO	50	126	128	2	984	724	93.	37674.
3	E2	BROM	94	182	183	1	889	869	95.	39486.
4	E2	VINY	62	142	143	1	993	753	95.	39907.
5	E2	CHLO	64	197	198	1	966	760	94.	27599.
6	E2	METH	84	361	363	2	976	728	93.	56087.
7	E2	ACET	58	321	321	0	990	525	83.	1864.
8	E2	CARB	76	303	305	2	963	510	81.	130560.
9	E2	1,1-	96	389	390	1	979	825	98.	49849.
10	E2	1,1-	63	436	438	2	988	783	96.	93011.
11	E2	TRAN	96	389	390	1	981	854	99.	49849.
12	E2	CHLO	83	541	541	0	989	812	98.	88831.
13	E2	1,2-	62	594	592	-2	944	699	90.	48265.
14	E2	D4-1	65	586	584	-2	901	194	62.	20281.
15	E2	1,4-	114	637	641	4	996	703	92.	89764.
16	E2	2-BU	72	513	514	1	999	733	94.	3087.
17	E2	1,1,	97	547	549	2	973	799	96.	60837.
18	E2	CARB	117	562	563	1	995	878	100.	61165.
19	E2	VINY	43	456	458	2	988	831	98.	93086.
20	E2	BROM	83	717	716	-1	988	852	99.	81929.
21	E2	1,2-	63	681	681	0	967	632	87.	69959.
22	E2	TRAN	75	831	830	-1	987	593	86.	37941.
23	E2	TRIC	130	658	658	0	967	888	100.	65632.
24	E2	DIBR	129	891	888	-3	977	844	99.	69719.
25	E2	1,1,	97	850	848	-2	995	735	94.	49888.
26	E2	BENZ	78	585	586	1	987	720	93.	159624.
27	E2	CIS-	75	766	764	-2	986	778	96.	121345.
28	E2	2-CH	63	757	756	-1	998	867	100.	26907.
29	E2	BROM	173	1060	1054	-6	980	837	98.	54561.
30	E2	CHLO	117	953	956	3	998	558	85.	77398.
31	E2	2-HE	58	885	886	1	993	742	94.	14362.
32	E2	4-ME	58	789	791	2	966	285	70.	16101.
33	E2	TETR	164	855	855	0	993	800	97.	60773.
34	E2	1,1,	83	1135	1131	-4	976	772	95.	75355.
35	E2	TOLU	92	796	797	1	970	734	93.	103907.
36	E2	CHLO	112	957	956	-1	954	648	88.	136515.
37	E2	ETHY	106	974	974	0	984	716	92.	64915.
38	E2	STYR	104	1041	1039	-2	978	718	92.	138665.
39	E2	O-XY	106	1037	1036	-1	993	612	88.	79356.
40	E2	BROM	95	1103	1101	-2	972	793	96.	44434.
41	E2	TOLU	98	789	791	2	973	574	85.	84035.
42	E2	M&P	106	989	989	0	988	699	92.	82314.

Quantitation Report File: STDZ537

01790

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

No	Name			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	CHLOROMETHANE	50	E2#	02SP
3	BROMOMETHANE	94	E2#	03
4	VINYL CHLORIDE	62	E2#	04CC
5	CHLORETHANE	64	E2#	05
6	METHYLENE CHLORIDE	84	E2#	06
7	ACETONE	58	E2#	07
8	CARBON DISULFIDE	76	E2#	08
9	1,1-DICHLOROETHENE	96	E2#	09
10	1,1-DICHLOROETHANE	63	E2#	10SP
11	TRANS-1,2-DICHLOROETHENE	96	E2#	11
12	CHLOROFORM	83	E2#	12CC
13	1,2-DICHLOROETHANE	62	E2#	13
14	D4-1,2-DICHLOROETHANE	65	SE2#	14
15	1,4-DIFLUOROBENZENE	114	SE2#	15
16	2-BUTANONE	72	E2#	16
17	1,1,1-TRICHLOROETHANE	97	E2#	17
18	CARBONTETRACHLORIDE	117	E2#	18
19	VINYL ACETATE	43	E2#	19
20	BROMODICHLOROMETHANE	83	E2#	20
21	1,2-DICHLOROPROPANE	63	E2#	21CC
22	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
23	TRICHLORETHENE	130	E2#	23
24	DIBROMOCHLOROMETHANE	129	E2#	24
25	1,1,2-TRICHLOROETHANE	97	E2#	25
26	BENZENE	78	E2#	26
27	CIS-1,3-DICHLOROPROPENE	75	E2#	27
28	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
29	BROMOFORM	173	E2#	29SP
30	CHLOROBENZENE-D5	117	E2#	30
31	2-HEXANONE	58	E2#	31
32	4-METHYL-2-PENTANONE	58	E2#	32
33	TETRACHLOROETHENE	164	E2#	33
34	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP
35	TOLUENE	92	E2#	35
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	STYRENE	104	E2#	38
39	O-XYLENE	106	E2#	39
40	BROMOFLUOROBENZENE	95	SE2#	40
41	TOLUENE-D8	98	SE2#	41
42	M&P XYLENE	106	E2#	42

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	525	8:45	1	1.000	A BB	16376.	50.000	UG/L	1.23
2	50	126	2:06	1	0.240	# BB	37674.	104.342	UG/L	2.56
3	94	182	3:02	1	0.347	A BB	39486.	101.546	UG/L	2.49
4	62	142	2:22	1	0.270	A BB	39908.	102.247	UG/L	2.51
5	64	197	3:17	1	0.375	A BB	27600.	102.604	UG/L	2.51
6	84	361	6:01	1	0.688	A BB	56087.	93.943	UG/L	2.30
7	58	321	5:21	1	0.611	A BB	1865.	102.096	UG/L	2.50
8	76	303	5:03	1	0.577	A BB	130561.	102.256	UG/L	2.51

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
9	96	389	6:29	1	0.741	# BV	49849.	102.773	UG/L	2.52
10	63	436	7:16	1	0.830	A BB	93012.	104.434	UG/L	2.56
11	96	389	6:29	1	0.741	# BV	49849.	102.773	UG/L	2.52
12	83	541	9:01	1	1.030	# VB	88831.	101.416	UG/L	2.49
13	62	594	9:54	1	1.131	A BB	48266.	105.642	UG/L	2.59
14	65	586	9:46	1	1.116	# BV	20282.	48.361	UG/L	1.19
15	114	637	10:37	15	1.000	# BV	89765.	50.000	UG/L	1.23
16	72	513	8:33	15	0.805	A BB	3088.	110.487	UG/L	2.71
17	97	547	9:07	15	0.859	# VB	60837.	103.535	UG/L	2.54
18	117	562	9:22	15	0.882	# VB	61166.	108.168	UG/L	2.65
19	43	456	7:36	15	0.716	# VB	93086.	106.379	UG/L	2.61
20	83	717	11:57	15	1.126	# VB	81930.	106.512	UG/L	2.61
21	63	681	11:21	15	1.069	# BV	69960.	107.783	UG/L	2.64
22	75	831	13:51	15	1.305	# BB	37942.	62.530	UG/L	1.53
23	130	658	10:58	15	1.033	# BV	65633.	105.870	UG/L	2.60
24	129	891	14:51	15	1.399	# BV	69719.	106.598	UG/L	2.61
25	97	850	14:10	15	1.334	# BV	49888.	105.620	UG/L	2.59
26	78	585	9:45	15	0.918	A BB	159624.	105.708	UG/L	2.59
27	75	766	12:46	15	1.203	A BB	121346.	149.543	UG/L	3.67
28	63	757	12:37	15	1.188	A BB	26907.	130.192	UG/L	3.19
29	173	1060	17:40	15	1.664	# BB	54562.	107.288	UG/L	2.63
30	117	953	15:53	30	1.000	# BV	77398.	50.000	UG/L	1.23
31	58	885	14:45	30	0.929	A BB	14363.	107.774	UG/L	2.64
32	58	789	13:09	30	0.828	A BB	16102.	102.615	UG/L	2.52
33	164	855	14:15	30	0.897	A BB	60773.	103.925	UG/L	2.55
34	83	1135	18:55	30	1.191	# BV	75356.	105.346	UG/L	2.58
35	92	796	13:16	30	0.835	A BB	103908.	104.790	UG/L	2.57
36	112	957	15:57	30	1.004	A BB	136515.	103.271	UG/L	2.53
37	106	974	16:14	30	1.022	# BV	64916.	103.076	UG/L	2.53
38	104	1041	17:21	30	1.092	# BV	138665.	102.464	UG/L	2.51
39	106	1037	17:17	30	1.088	# BV	79356.	103.232	UG/L	2.53
40	95	1103	18:23	30	1.157	# BV	44434.	48.924	UG/L	1.20
41	98	789	13:09	30	0.828	# BB	84036.	50.146	UG/L	1.23
42	106	989	16:29	30	1.038	# VB	82314.	103.536	UG/L	2.54

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:50	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	2:09	0.98	0.243	0.99	104.34	50.00	2.301	1.102	2.09
3	3:05	0.98	0.349	0.99	101.55	50.00	2.411	1.187	2.03
4	2:24	0.99	0.272	1.00	102.25	50.00	2.437	1.192	2.04
5	3:20	0.98	0.377	0.99	102.60	50.00	1.685	0.821	2.05
6	6:06	0.99	0.691	1.00	93.94	50.00	3.425	1.823	1.88
7	5:24	0.99	0.611	1.00	102.10	50.00	0.114	0.056	2.04
8	5:08	0.98	0.581	0.99	102.26	50.00	7.972	3.898	2.05
9	6:34	0.99	0.743	1.00	102.77	50.00	3.044	1.481	2.06
10	7:22	0.99	0.834	1.00	104.43	50.00	5.680	2.719	2.09
11	6:34	0.99	0.743	1.00	102.77	50.00	3.044	1.481	2.06
12	9:06	0.99	1.030	1.00	101.42	50.00	5.424	2.674	2.03
13	9:58	0.99	1.128	1.00	105.64	50.00	2.947	1.395	2.11
14	9:50	0.99	1.113	1.00	48.36	50.00	1.238	1.280	0.97
15	10:41	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
16	8:37	0.99	0.807	1.00	110.49	50.00	0.034	0.016	2.21
17	9:12	0.99	0.861	1.00	103.54	50.00	0.678	0.327	2.07
18	9:27	0.99	0.885	1.00	108.17	50.00	0.681	0.315	2.16
19	7:41	0.99	0.719	1.00	106.38	50.00	1.037	0.487	2.13
20	12:01	0.99	1.125	1.00	106.51	50.00	0.913	0.428	2.13

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
21	11:25	0.99	1.069	1.00	107.78	50.00	0.779	0.382	2.16
22	13:55	1.00	1.303	1.00	62.53	29.00	0.729	0.338	2.16
23	11:02	0.99	1.033	1.00	105.87	50.00	0.731	0.345	2.12
24	14:54	1.00	1.395	1.00	106.60	50.00	0.777	0.364	2.13
25	14:13	1.00	1.331	1.00	105.62	50.00	0.556	0.263	2.11
26	9:50	0.99	0.920	1.00	105.71	50.00	1.778	0.841	2.11
27	12:49	1.00	1.200	1.00	149.54	70.00	0.966	0.452	2.14
28	12:41	0.99	1.187	1.00	130.19	50.00	0.300	0.115	2.60
29	17:41	1.00	1.655	1.01	107.29	50.00	0.608	0.283	2.15
30	15:56	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
31	14:49	1.00	0.930	1.00	107.77	50.00	0.186	0.086	2.16
32	13:13	0.99	0.829	1.00	102.62	50.00	0.208	0.101	2.05
33	14:18	1.00	0.897	1.00	103.92	50.00	0.785	0.378	2.08
34	18:55	1.00	1.187	1.00	105.35	50.00	0.974	0.462	2.11
35	13:20	0.99	0.837	1.00	104.79	50.00	1.343	0.641	2.10
36	15:59	1.00	1.003	1.00	103.27	50.00	1.764	0.854	2.07
37	16:17	1.00	1.022	1.00	103.08	50.00	0.839	0.407	2.06
38	17:22	1.00	1.090	1.00	102.46	50.00	1.792	0.874	2.05
39	17:19	1.00	1.087	1.00	103.23	50.00	1.025	0.497	2.06
40	18:24	1.00	1.155	1.00	48.92	50.00	0.574	0.587	0.98
41	13:13	0.99	0.829	1.00	50.15	50.00	1.086	1.083	1.00
42	16:32	1.00	1.038	1.00	103.54	50.00	1.064	0.514	2.07

QUANTITATION REPORT FILE: STDZ537

01793

DATA: STDZ537.TI
04/14/88 1:03:00
SAMPLE: 100 PPB HSL STD 100%/5ML
SUBMITTED BY: RMAL ANALYST: DAG

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

NO	NAME				
1	BROMOCHLOROMETHANE	128	IE2#	01	
2	1,4-DIFLUOROBENZENE	114	SE2#	15	
3	CHLOROBENZENE-D5	117	E2#	30	
4	D4-1,2-DICHLOROETHANE	65	SE2#	14	
5	TOLUENE-D8	98	SE2#	41	
6	BROMOFLUOROBENZENE	95	SE2#	40	
7	CHLOROMETHANE	50	E2#	02SP	
8	VINYL CHLORIDE	62	E2#	04CC	
9	BROMOMETHANE	94	E2#	03	
10	CHLORETHANE	64	E2#	05	
11	1,1-DICHLOROETHENE	96	E2#	09	
12	CARBON DISULFIDE	76	E2#	08	
13	ACETONE	58	E2#	07	
14	METHYLENE CHLORIDE	84	E2#	06	
15	TRANS-1,2-DICHLOROETHENE	96	E2#	11	
16	1,1-DICHLOROETHANE	63	E2#	10SP	
17	VINYL ACETATE	43	E2#	19	
18	2-BUTANONE	72	E2#	16	
19	CHLOROFORM	83	E2#	12CC	
20	1,1,1-TRICHLOROETHANE	97	E2#	17	
21	CARBONTETRACHLORIDE	117	E2#	18	
22	BENZENE	78	E2#	26	
23	1,2-DICHLOROETHANE	62	E2#	13	
24	TRICHLORETHENE	130	E2#	23	
25	1,2-DICHLOROPROPANE	63	E2#	21CC	
26	BROMODICHLOROMETHANE	83	E2#	20	
27	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP	
28	CIS-1,3-DICHLOROPROPENE	75	E2#	27	
29	4-METHYL-2-PENTANONE	58	E2#	32	
30	TOLUENE	92	E2#	35	
31	TRANS-1,3-DICHLOROPROPENE	75	E2#	22	
32	1,1,2-TRICHLOROETHANE	97	E2#	25	
33	TETRACHLOROETHENE	164	E2#	33	
34	2-HEXANONE	58	E2#	31	
35	DIBROMOCHLOROMETHANE	129	E2#	24	
36	CHLOROBENZENE	112	E2#	36SP	
37	ETHYLBENZENE	106	E2#	37	
38	M&P XYLENE	106	E2#	42	
39	O-XYLENE	106	E2#	39	
40	STYRENE	104	E2#	38	
41	BROMOFORM	173	E2#	29SP	
42	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP	

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	128	525	8:45	1	1.000	A BB	16376.	50.000	UG/L	1.23
2	114	637	10:37	2	1.000	# BV	89765.	50.000	UG/L	1.23

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	117	953	15:53	3	1.000	# BV	77398.	50.000	UG/L	1.23
4	65	986	9:46	1	1.116	# BV	20282.	48.361	UG/L	1.19
5	98	789	13:09	3	0.828	# BB	84036.	50.146	UG/L	1.23
6	95	1103	18:23	3	1.157	# BV	44434.	48.924	UG/L	1.20
7	50	126	2:06	1	0.240	# BB	37674.	104.342	UG/L	2.56
8	62	142	2:22	1	0.270	A BB	39908.	102.247	UG/L	2.51
9	94	182	3:02	1	0.347	A BB	39486.	101.546	UG/L	2.49
10	64	197	3:17	1	0.375	A BB	27600.	102.604	UG/L	2.52
11	96	294	4:54	1	0.560	M XX	43395.	102.109	UG/L	2.50
12	76	303	5:03	1	0.577	A BB	130561.	102.256	UG/L	2.51
13	58	321	5:21	1	0.611	A BB	1865.	102.096	UG/L	2.50
14	84	361	6:01	1	0.688	A BB	56087.	93.943	UG/L	2.30
15	96	389	6:29	1	0.741	# BV	49849.	102.773	UG/L	2.52
16	63	436	7:16	1	0.830	A BB	93012.	104.434	UG/L	2.56
17	43	456	7:36	2	0.716	# VB	93086.	106.379	UG/L	2.61
18	72	513	8:33	2	0.805	A BB	3088.	110.487	UG/L	2.71
19	83	541	9:01	1	1.030	# VB	88831.	101.416	UG/L	2.49
20	97	547	9:07	2	0.859	# VB	60837.	103.535	UG/L	2.54
21	117	562	9:22	2	0.882	# VB	61166.	108.168	UG/L	2.65
22	78	585	9:45	2	0.918	A BB	159624.	105.708	UG/L	2.59
23	62	594	9:54	1	1.131	A BB	48266.	105.642	UG/L	2.59
24	130	658	10:58	2	1.033	# BV	65633.	105.870	UG/L	2.60
25	63	681	11:21	2	1.069	# BV	69960.	107.783	UG/L	2.64
26	83	717	11:57	2	1.126	# VB	81930.	106.512	UG/L	2.61
27	63	757	12:37	2	1.188	A BB	26907.	130.192	UG/L	3.19
28	75	766	12:46	2	1.203	A BB	121346.	149.543	UG/L	3.67
29	58	789	13:09	3	0.828	A BB	16102.	102.615	UG/L	2.52
30	92	796	13:16	3	0.835	A BB	103908.	104.790	UG/L	2.57
31	75	831	13:51	2	1.305	# BB	37942.	62.530	UG/L	1.53
32	97	850	14:10	2	1.334	# BV	49888.	105.620	UG/L	2.59
33	164	855	14:15	3	0.897	A BB	60773.	103.925	UG/L	2.55
34	58	885	14:45	3	0.929	A BB	14363.	107.774	UG/L	2.64
35	129	891	14:51	2	1.399	# BV	69719.	106.598	UG/L	2.61
36	112	957	15:57	3	1.004	A BB	136515.	103.271	UG/L	2.53
37	106	974	16:14	3	1.022	# BV	64916.	103.076	UG/L	2.53
38	106	989	16:29	3	1.038	# VB	82314.	103.536	UG/L	2.54
39	106	1037	17:17	3	1.088	# BV	79356.	103.232	UG/L	2.53
40	104	1041	17:21	3	1.092	# BV	138665.	102.464	UG/L	2.51
41	173	1060	17:40	2	1.664	# BB	54562.	107.288	UG/L	2.63
42	83	1135	18:55	3	1.191	# BV	75356.	105.346	UG/L	2.58

01794

RMAL QUANTITATION SUMMARY FILE: STDZ537
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

01795

NO	NAME		SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	BROMOCHLOROMETHANE	128IE2# 01	525	1	1.000	1.000	50.000	UG/L
2	1,4-DIFLUOROBENZENE	114SE2# 15	637	2	1.000	1.000	50.000	UG/L
3	CHLOROBENZENE-D5	117 E2# 30	953	3	1.000	1.000	50.000	UG/L
4	D4-1,2-DICHLOROETHANE	65SE2# 14	586	1	1.116	1.238	48.361	UG/L
5	TOLUENE-D8	98SE2# 41	789	3	0.828	1.086	50.146	UG/L
6	BROMOFLUOROBENZENE	95SE2# 40	1103	3	1.157	0.574	48.924	UG/L
7	CHLOROMETHANE	50 E2# 02SP	126	1	0.240	2.301	104.342	UG/L
8	VINYL CHLORIDE	62 E2# 04CC	142	1	0.270	2.437	102.247	UG/L
9	BROMOMETHANE	94 E2# 03	182	1	0.347	2.411	101.546	UG/L
10	CHLORETHANE	64 E2# 05	197	1	0.375	1.685	102.604	UG/L
11	1,1-DICHLOROETHENE	96 E2# 09	294	1	0.560	2.650	102.109	UG/L
12	CARBON DISULFIDE	76 E2# 08	303	1	0.577	7.972	102.256	UG/L
13	ACETONE	58 E2# 07	321	1	0.611	0.114	102.096	UG/L
14	METHYLENE CHLORIDE	84 E2# 06	361	1	0.688	3.425	93.943	UG/L
15	TRANS-1,2-DICHLOROETHENE	96 E2# 11	389	1	0.741	3.044	102.773	UG/L
16	1,1-DICHLOROETHANE	63 E2# 10SP	436	1	0.830	5.680	104.434	UG/L
17	VINYL ACETATE	43 E2# 19	456	2	0.716	1.037	106.379	UG/L
18	2-BUTANONE	72 E2# 16	513	2	0.805	0.034	110.487	UG/L
19	CHLOROFORM	83 E2# 12CC	541	1	1.030	5.424	101.416	UG/L
20	1,1,1-TRICHLOROETHANE	97 E2# 17	547	2	0.859	0.678	103.535	UG/L
21	CARBONTETRACHLORIDE	117 E2# 18	562	2	0.882	0.681	108.168	UG/L
22	BENZENE	78 E2# 26	585	2	0.918	1.778	105.708	UG/L
23	1,2-DICHLOROETHANE	62 E2# 13	594	1	1.131	2.947	105.642	UG/L
24	TRICHLORETHENE	130 E2# 23	658	2	1.033	0.731	105.870	UG/L
25	1,2-DICHLOROPROPANE	63 E2# 21CC	681	2	1.069	0.779	107.783	UG/L
26	BROMODICHLOROMETHANE	83 E2# 20	717	2	1.126	0.913	106.512	UG/L
27	2-CHLOROETHYL VINYL ETHER	63 E2# 28SP	757	2	1.188	0.300	130.192	UG/L
28	CIS-1,3-DICHLOROPROPENE	75 E2# 27	766	2	1.203	0.966	149.543	UG/L
29	4-METHYL-2-PENTANONE	58 E2# 32	789	3	0.828	0.208	102.615	UG/L
30	TOLUENE	92 E2# 35	796	3	0.835	1.343	104.790	UG/L
31	TRANS-1,3-DICHLOROPROPENE	75 E2# 22	831	2	1.305	0.729	62.530	UG/L
32	1,1,2-TRICHLOROETHANE	97 E2# 25	850	2	1.334	0.556	105.620	UG/L
33	TETRACHLOROETHENE	164 E2# 33	855	3	0.897	0.785	103.925	UG/L
34	2-HEXANONE	58 E2# 31	885	3	0.929	0.186	107.774	UG/L
35	DIBROMOCHLOROMETHANE	129 E2# 24	891	2	1.399	0.777	106.598	UG/L
36	CHLOROBENZENE	112 E2# 36SP	957	3	1.004	1.764	103.271	UG/L
37	ETHYLBENZENE	106 E2# 37	974	3	1.022	0.839	103.076	UG/L
38	M&P XYLENE	106 E2# 42	989	3	1.038	1.064	103.536	UG/L
39	O-XYLENE	106 E2# 39	1037	3	1.088	1.025	103.232	UG/L
40	STYRENE	104 E2# 38	1041	3	1.092	1.792	102.464	UG/L
41	BROMOFORM	173 E2# 29SP	1060	2	1.664	0.608	107.288	UG/L
42	1,1,2,2-TETRACHLOROETHANE	83 E2# 34SP	1135	3	1.191	0.974	105.346	UG/L

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE :2:STDZ538. STARTED : 4/14/88 8:24:31

4/14/88 1:44:41 SCAN 1 OF 1900
Acquisition started

01796

Acquire Run 2:STDZ538 ACQUIRING
04/14/88 1:44:00 + 0:04 Free sectors: 10871 Scan: 4 of 1900
Sample: 150 PPB HSL STD 100%/5ML
Conds.: GC DESC CV
Formula: --- Instrument: 4500 Weight: 1.000
Submitted by: RMAL Analyst: DAG Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:CV Current GC oven tmp: -9 DegC Injector : 150 DegC
Current GC Desc:CV GC elapsed time : 0: 7 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	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	

4/14/88 2:16:24
ACQUISITION COMPLETED
SCANS 1 TO 1900 Centroid

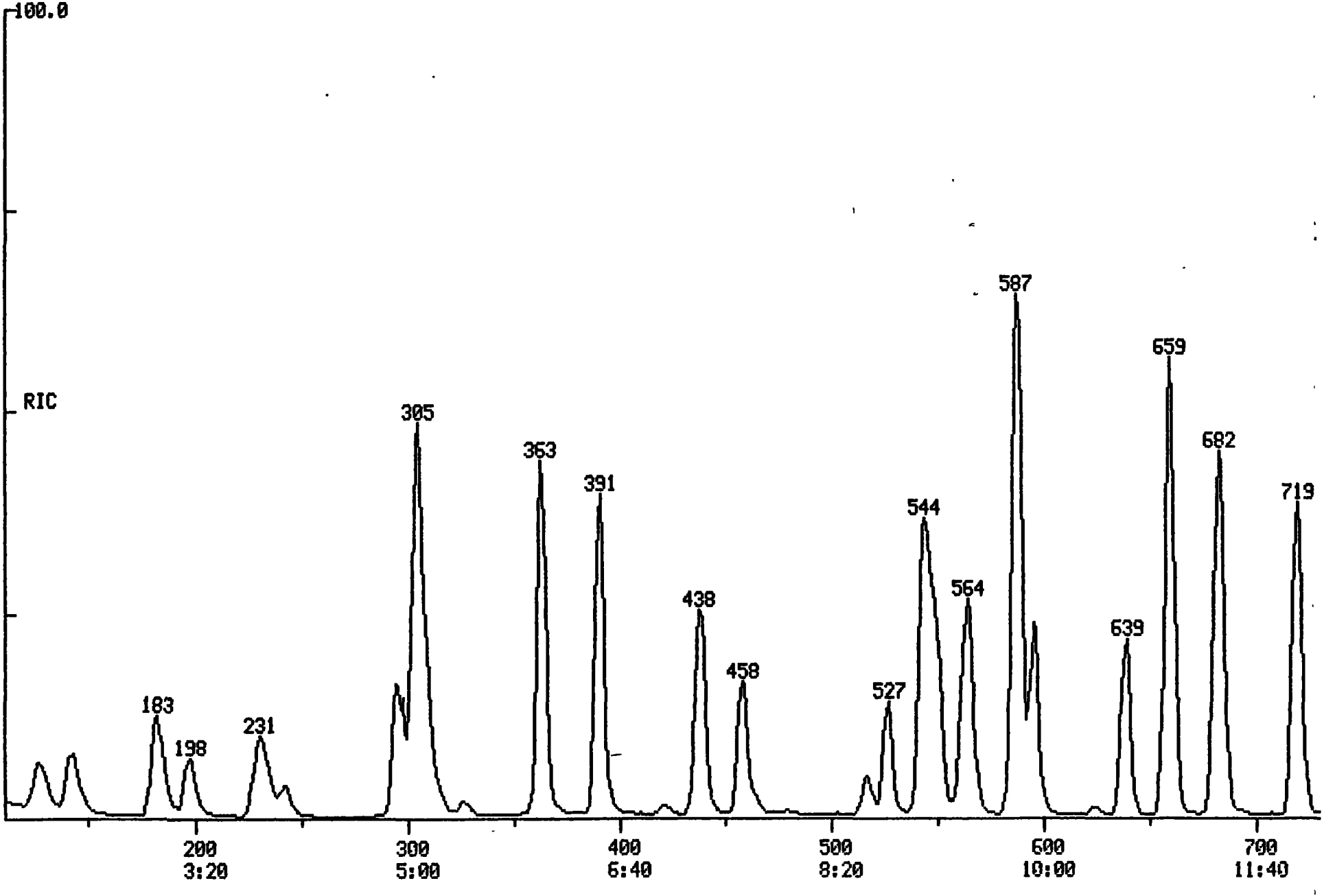
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	1900	39.8	1900.0	2.1	33854.	18. 18.

01797

RIC
04/14/88 1:44:00
SAMPLE: 150 PPB HSL STD 100Z/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDZ538 #1
CALI: 041388CZ #5

SCANS 110 TO 730
OUT OF 110 TO 1350

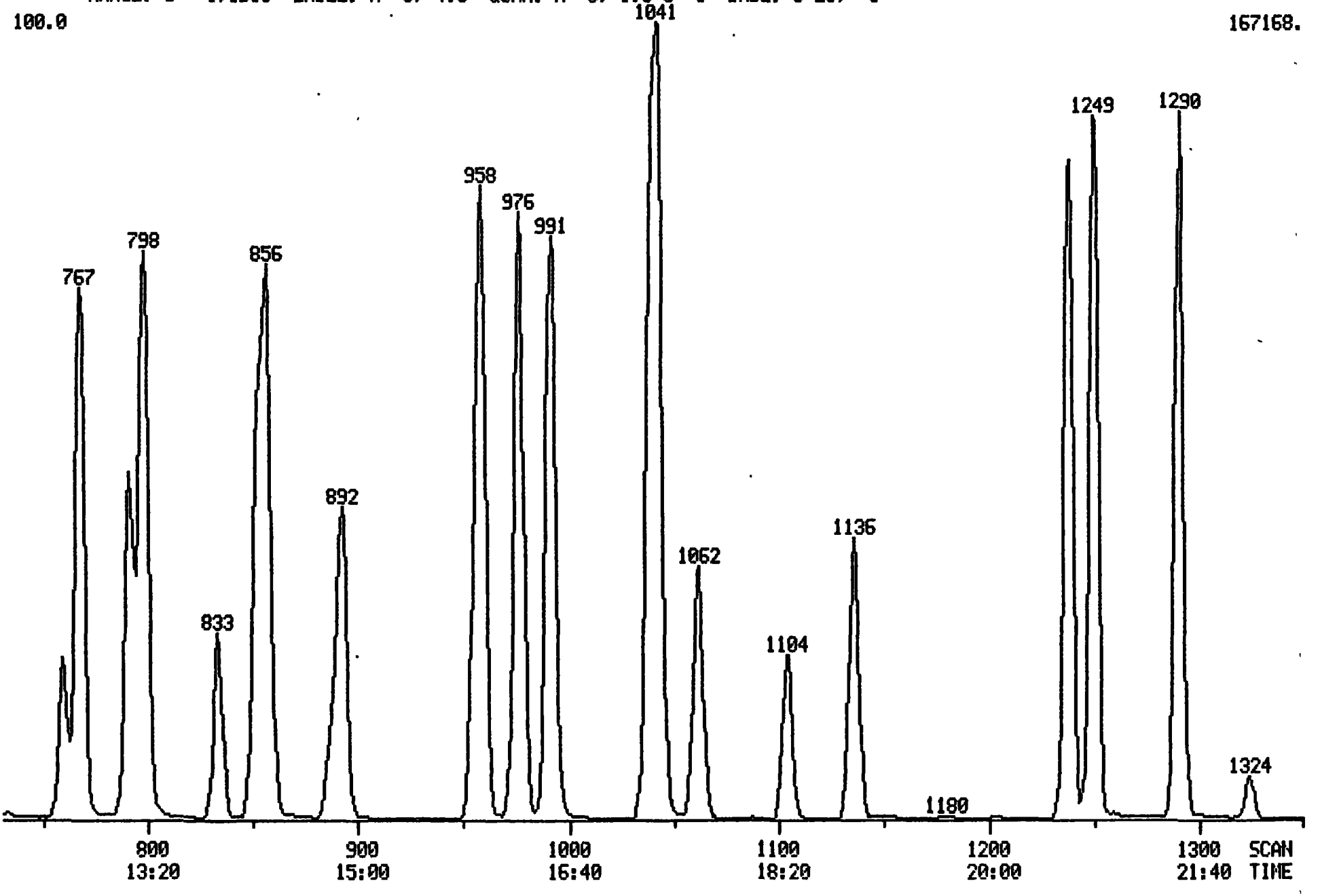


01798

RIC
04/14/88 1:44:00
SAMPLE: 150 PPB HSL STD 100%/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDZ538 #1
CALI: 041388CZ #5

SCANS 730 TO 1350
OUT OF 110 TO 1350



SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

STDZ538
041388CZ
04/14/88
150 PPB HSL STD 100%/5ML

01799

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUR	MATCH	AREA
1	E2	BROM	128	527	530	3	990	826	98.	16512.
2	E2	CHLO	50	127	128	1	984	768	95.	54959.
3	E2	BROM	94	183	184	1	881	858	94.	57466.
4	E2	VINY	62	143	143	0	994	773	96.	57637.
5	E2	CHLO	64	198	199	1	969	773	95.	40010.
6	E2	METH	84	363	364	1	976	735	93.	78431.
7	E2	ACET	58	327	322	-5	994	638	89.	3048.
8	E2	CARB	76	304	306	2	958	517	81.	176760.
9	E2	1,1-	96	391	392	1	980	826	98.	72332.
10	E2	1,1-	63	438	439	1	985	787	96.	136458.
11	E2	TRAN	96	391	392	1	979	854	99.	72332.
12	E2	CHLO	83	543	543	0	984	801	97.	128250.
13	E2	1,2-	62	595	595	0	942	695	89.	71904.
14	E2	D4-1	65	588	587	-1	868	161	59.	20333.
				-595		-8	640	53	32.	
15	E2	1,4-	114	639	641	2	995	698	92.	89138.
16	E2	2-BU	72	517	515	-2	998	781	96.	5640.
17	E2	1,1,	97	549	550	1	933	741	91.	86212.
18	E2	CARB	117	564	565	1	995	881	100.	89743.
19	E2	VINY	43	458	460	2	988	844	99.	136916.
20	E2	BROM	83	719	719	0	986	812	97.	121782.
21	E2	1,2-	63	682	683	1	968	637	88.	104716.
22	E2	TRAN	75	833	832	-1	986	584	86.	57816.
23	E2	TRIC	130	659	660	1	959	881	99.	96754.
24	E2	DIBR	129	892	891	-1	979	827	98.	105481.
25	E2	1,1,	97	852	850	-2	998	767	96.	75884.
26	E2	BENZ	78	587	588	1	991	752	95.	234389.
27	E2	CIS-	75	767	767	0	984	777	96.	182582.
28	E2	2-CH	63	759	759	0	998	869	100.	43912.
29	E2	BROM	173	1061	1058	-3	980	830	98.	81998.
30	E2	CHLO	117	955	956	1	1000	446	80.	77734.
31	E2	2-HE	58	887	888	1	992	720	93.	22416.
32	E2	4-ME	58	791	792	1	980	351	74.	24361.
33	E2	TETR	164	856	857	1	993	767	95.	89091.
34	E2	1,1,	83	1136	1134	-2	979	775	95.	115117.
35	E2	TOLU	92	798	799	1	974	736	93.	152809.
36	E2	CHLO	112	958	958	0	950	638	87.	202038.
37	E2	ETHY	106	976	976	0	983	712	92.	95588.
38	E2	STYR	104	1043	1041	-2	977	728	93.	204393.
39	E2	O-XY	106	1039	1038	-1	993	610	88.	117353.
40	E2	BROM	95	1105	1103	-2	971	794	96.	44603.
41	E2	TOLU	98	791	792	1	973	501	81.	84427.
42	E2	M&P	106	991	991	0	987	697	92.	120411.

Quantitation Report File: STDZ538

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

01800

No	Name			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	CHLOROMETHANE	50	E2#	02SP
3	BROMOMETHANE	94	E2#	03
4	VINYL CHLORIDE	62	E2#	04CC
5	CHLORETHANE	64	E2#	05
6	METHYLENE CHLORIDE	84	E2#	06
7	ACETONE	58	E2#	07
8	CARBON DISULFIDE	76	E2#	08
9	1,1-DICHLOROETHENE	96	E2#	09
10	1,1-DICHLOROETHANE	63	E2#	10SP
11	TRANS-1,2-DICHLOROETHENE	96	E2#	11
12	CHLOROFORM	83	E2#	12CC
13	1,2-DICHLOROETHANE	62	E2#	13
14	D4-1,2-DICHLOROETHANE	65	SE2#	14
15	1,4-DIFLUOROBENZENE	114	SE2#	15
16	2-BUTANONE	72	E2#	16
17	1,1,1-TRICHLOROETHANE	97	E2#	17
18	CARBONTETRACHLORIDE	117	E2#	18
19	VINYL ACETATE	43	E2#	19
20	BROMODICHLOROMETHANE	83	E2#	20
21	1,2-DICHLOROPROPANE	63	E2#	21CC
22	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
23	TRICHLORETHENE	130	E2#	23
24	DIBROMOCHLOROMETHANE	129	E2#	24
25	1,1,2-TRICHLOROETHANE	97	E2#	25
26	BENZENE	78	E2#	26
27	CIS-1,3-DICHLOROPROPENE	75	E2#	27
28	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
29	BROMOFORM	173	E2#	29SP
30	CHLOROBENZENE-D5	117	E2#	30
31	2-HEXANONE	58	E2#	31
32	4-METHYL-2-PENTANONE	58	E2#	32
33	TETRACHLOROETHENE	164	E2#	33
34	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP
35	TOLUENE	92	E2#	35
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	STYRENE	104	E2#	38
39	O-XYLENE	106	E2#	39
40	BROMOFLUOROBENZENE	95	SE2#	40
41	TOLUENE-D8	98	SE2#	41
42	M&P XYLENE	106	E2#	42

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	527	8:47	1	1.000	A BB	16513.	50.000	UG/L	0.84
2	50	127	2:07	1	0.241	# BB	54960.	150.957	UG/L	2.54
3	94	183	3:03	1	0.347	A BB	57466.	146.562	UG/L	2.47
4	62	143	2:23	1	0.271	A BB	57637.	146.451	UG/L	2.46
5	64	198	3:18	1	0.376	A BB	40011.	147.513	UG/L	2.48
6	84	363	6:03	1	0.689	A BB	78432.	130.283	UG/L	2.19
7	58	327	5:27	1	0.620	A BB	3048.	165.505	UG/L	2.79
8	76	304	5:04	1	0.577	A BB	176761.	137.295	UG/L	2.31

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
9	96	391	6:31	1	0.742	A BB	72332.	147.893	UG/L	2.49
10	63	438	7:18	1	0.831	A BB	136458.	151.950	UG/L	2.56
11	96	391	6:31	1	0.742	A BB	72332.	147.893	UG/L	2.49
12	83	543	9:03	1	1.030	# VB	128250.	145.208	UG/L	2.44
13	62	595	9:55	1	1.129	# VB	71904.	156.080	UG/L	2.63
14	65	588	9:48	1	1.116	# BV	20333.	48.083	UG/L	0.81
15	114	639	10:39	15	1.000	# BV	89139.	50.000	UG/L	0.84
16	72	517	8:37	15	0.809	A BB	5641.	203.249	UG/L	3.42
17	97	549	9:09	15	0.859	# VB	86212.	147.749	UG/L	2.49
18	117	564	9:24	15	0.883	# VB	89744.	159.821	UG/L	2.69
19	43	458	7:38	15	0.717	# VB	136916.	157.567	UG/L	2.65
20	83	719	11:59	15	1.125	A BB	121783.	159.434	UG/L	2.68
21	63	682	11:22	15	1.067	# BV	104717.	162.465	UG/L	2.73
22	75	833	13:53	15	1.304	A BB	57817.	95.954	UG/L	1.61
23	130	659	10:59	15	1.031	A BB	96754.	157.167	UG/L	2.65
24	129	892	14:52	15	1.396	A BB	105481.	162.409	UG/L	2.73
25	97	852	14:12	15	1.333	A BB	75884.	161.785	UG/L	2.72
26	78	567	9:47	15	0.919	A BB	234389.	156.310	UG/L	2.63
27	75	767	12:47	15	1.200	A BB	182583.	226.590	UG/L	3.81
28	63	759	12:39	15	1.188	# BV	43912.	213.963	UG/L	3.60
29	173	1061	17:41	15	1.660	# BV	81999.	162.371	UG/L	2.73
30	117	955	15:55	30	1.000	# BV	77735.	50.000	UG/L	0.84
31	58	887	14:47	30	0.929	A BB	22417.	167.480	UG/L	2.82
32	58	791	13:11	30	0.828	A BB	24361.	154.580	UG/L	2.60
33	164	856	14:16	30	0.896	# BV	89091.	151.690	UG/L	2.55
34	83	1136	18:56	30	1.190	# BV	115117.	160.235	UG/L	2.70
35	92	798	13:18	30	0.836	A BB	152809.	153.439	UG/L	2.58
36	112	958	15:58	30	1.003	A BB	202038.	152.176	UG/L	2.56
37	106	976	16:16	30	1.022	# BV	95588.	151.121	UG/L	2.54
38	104	1043	17:23	30	1.092	# BV	204394.	150.379	UG/L	2.53
39	106	1039	17:19	30	1.088	# BV	117354.	152.001	UG/L	2.56
40	95	1105	18:25	30	1.157	# BV	44603.	48.897	UG/L	0.82
41	98	791	13:11	30	0.828	A BB	84427.	50.161	UG/L	0.84
42	106	991	16:31	30	1.038	# VB	120411.	150.800	UG/L	2.54

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:50	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	2:09	0.98	0.243	0.99	150.96	50.00	3.328	1.102	3.02
3	3:05	0.99	0.349	0.99	146.56	50.00	3.480	1.187	2.93
4	2:24	0.99	0.272	1.00	146.45	50.00	3.490	1.192	2.93
5	3:20	0.99	0.377	1.00	147.51	50.00	2.423	0.821	2.95
6	6:06	0.99	0.691	1.00	130.28	50.00	4.750	1.823	2.61
7	5:24	1.01	0.611	1.02	165.51	50.00	0.185	0.056	3.31
8	5:08	0.99	0.581	0.99	137.30	50.00	10.704	3.898	2.75
9	6:34	0.99	0.743	1.00	147.89	50.00	4.380	1.481	2.96
10	7:22	0.99	0.834	1.00	151.95	50.00	8.264	2.719	3.04
11	6:34	0.99	0.743	1.00	147.89	50.00	4.380	1.481	2.96
12	9:06	0.99	1.030	1.00	145.21	50.00	7.767	2.674	2.90
13	9:58	0.99	1.128	1.00	156.08	50.00	4.354	1.395	3.12
14	9:50	1.00	1.113	1.00	48.08	50.00	1.231	1.280	0.96
15	10:41	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
16	8:37	1.00	0.807	1.00	203.25	50.00	0.063	0.016	4.06
17	9:12	0.99	0.861	1.00	147.75	50.00	0.967	0.327	2.95
18	9:27	0.99	0.885	1.00	159.82	50.00	1.007	0.315	3.20
19	7:41	0.99	0.719	1.00	157.57	50.00	1.536	0.487	3.15
20	12:01	1.00	1.125	1.00	159.43	50.00	1.366	0.428	3.19

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
21	11:25	1.00	1.069	1.00	162.46	50.00	1.175	0.362	3.25
22	13:55	1.00	1.303	1.00	95.95	29.00	1.118	0.338	3.31
23	11:02	1.00	1.033	1.00	157.17	50.00	1.085	0.345	3.14
24	14:54	1.00	1.395	1.00	162.41	50.00	1.183	0.364	3.25
25	14:13	1.00	1.331	1.00	161.78	50.00	0.851	0.263	3.24
26	9:50	0.99	0.920	1.00	156.31	50.00	2.629	0.841	3.13
27	12:49	1.00	1.200	1.00	226.59	70.00	1.463	0.452	3.24
28	12:41	1.00	1.187	1.00	213.96	50.00	0.493	0.115	4.28
29	17:41	1.00	1.655	1.00	162.37	50.00	0.920	0.283	3.25
30	15:56	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
31	14:49	1.00	0.930	1.00	167.48	50.00	0.288	0.086	3.35
32	13:13	1.00	0.829	1.00	154.58	50.00	0.313	0.101	3.09
33	14:18	1.00	0.897	1.00	151.69	50.00	1.146	0.378	3.03
34	18:55	1.00	1.187	1.00	160.23	50.00	1.481	0.462	3.20
35	13:20	1.00	0.837	1.00	153.44	50.00	1.966	0.641	3.07
36	15:59	1.00	1.003	1.00	152.18	50.00	2.599	0.854	3.04
37	16:17	1.00	1.022	1.00	151.12	50.00	1.230	0.407	3.02
38	17:22	1.00	1.090	1.00	150.38	50.00	2.629	0.874	3.01
39	17:19	1.00	1.087	1.00	152.00	50.00	1.510	0.497	3.04
40	18:24	1.00	1.155	1.00	48.90	50.00	0.574	0.587	0.98
41	13:13	1.00	0.829	1.00	50.16	50.00	1.086	1.083	1.00
42	16:32	1.00	1.038	1.00	150.80	50.00	1.549	0.514	3.02

QUANTITATION REPORT FILE: STDZ538

01803

DATA: STDZ538.TI
04/14/88 1:44:00
SAMPLE: 150 PPB HSL STD 100%/5ML
SUBMITTED BY: RMAL ANALYST: DAG

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

NO	NAME			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	1,4-DIFLUOROBENZENE	114	SE2#	15
3	CHLOROBENZENE-D5	117	E2#	30
4	D4-1,2-DICHLOROETHANE	65	SE2#	14
5	TOLUENE-D8	98	SE2#	41
6	BROMOFLUOROBENZENE	95	SE2#	40
7	CHLOROMETHANE	50	E2#	02SP
8	VINYL CHLORIDE	62	E2#	04CC
9	BROMOMETHANE	94	E2#	03
10	CHLORETHANE	64	E2#	05
11	1,1-DICHLOROETHENE	96	E2#	09
12	CARBON DISULFIDE	76	E2#	08
13	ACETONE	58	E2#	07
14	METHYLENE CHLORIDE	84	E2#	06
15	TRANS-1,2-DICHLOROETHENE	96	E2#	11
16	1,1-DICHLOROETHANE	63	E2#	10SP
17	VINYL ACETATE	43	E2#	19
18	2-BUTANONE	72	E2#	16
19	CHLOROFORM	83	E2#	12CC
20	1,1,1-TRICHLOROETHANE	97	E2#	17
21	CARBONTETRACHLORIDE	117	E2#	18
22	BENZENE	78	E2#	26
23	1,2-DICHLOROETHANE	62	E2#	13
24	TRICHLORETHENE	130	E2#	23
25	1,2-DICHLOROPROPANE	63	E2#	21CC
26	BROMODICHLOROMETHANE	83	E2#	20
27	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
28	CIS-1,3-DICHLOROPROPENE	75	E2#	27
29	4-METHYL-2-PENTANONE	58	E2#	32
30	TOLUENE	92	E2#	35
31	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
32	1,1,2-TRICHLOROETHANE	97	E2#	25
33	TETRACHLOROETHENE	164	E2#	33
34	2-HEXANONE	58	E2#	31
35	DIBROMOCHLOROMETHANE	129	E2#	24
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	M&P XYLENE	106	E2#	42
39	O-XYLENE	106	E2#	39
40	STYRENE	104	E2#	38
41	BROMOFORM	173	E2#	29SP
42	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	527	8:47	1	1.000	A BB	16513.	50.000 UG/L	0.85
2	114	639	10:39	2	1.000	# BV	89139.	50.000 UG/L	0.85

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	117	955	15:55	3	1.000	# BV	77735.	50.000	UG/L	0.85
4	65	388	9:48	1	1.116	# BV	20333.	48.083	UG/L	0.82
5	98	791	13:11	3	0.828	A BB	84427.	50.161	UG/L	0.85
6	95	1105	18:25	3	1.157	# BV	44603.	48.897	UG/L	0.83
7	50	127	2:07	1	0.241	# BB	54960.	150.957	UG/L	2.56
8	62	143	2:23	1	0.271	A BB	57637.	146.451	UG/L	2.48
9	94	183	3:03	1	0.347	A BB	57466.	146.562	UG/L	2.48
10	64	198	3:18	1	0.376	A BB	40011.	147.513	UG/L	2.50
11	96	295	4:55	1	0.560	M XX	44899.	104.775	UG/L	1.78
12	76	304	5:04	1	0.577	A BB	176761.	137.295	UG/L	2.33
13	58	327	5:27	1	0.620	A BB	3048.	165.505	UG/L	2.81
14	84	363	6:03	1	0.689	A BB	78432.	130.283	UG/L	2.21
15	96	391	6:31	1	0.742	A BB	72332.	147.893	UG/L	2.51
16	63	438	7:18	1	0.831	A BB	136458.	151.950	UG/L	2.58
17	43	458	7:38	2	0.717	# VB	136916.	157.567	UG/L	2.67
18	72	517	8:37	2	0.809	A BB	5641.	203.248	UG/L	3.45
19	83	543	9:03	1	1.030	# VB	128250.	145.208	UG/L	2.46
20	97	549	9:09	2	0.859	# VB	86212.	147.749	UG/L	2.50
21	117	564	9:24	2	0.883	# VB	89744.	159.821	UG/L	2.71
22	78	587	9:47	2	0.919	A BB	234389.	156.310	UG/L	2.65
23	62	595	9:55	1	1.129	# VB	71904.	156.080	UG/L	2.65
24	130	659	10:59	2	1.031	A BB	96754.	157.167	UG/L	2.66
25	63	682	11:22	2	1.067	# BV	104717.	162.465	UG/L	2.75
26	83	719	11:59	2	1.125	A BB	121783.	159.434	UG/L	2.70
27	63	759	12:39	2	1.188	# BV	43912.	213.963	UG/L	3.63
28	75	767	12:47	2	1.200	A BB	182583.	226.590	UG/L	3.84
29	58	791	13:11	3	0.828	A BB	24361.	154.580	UG/L	2.62
30	92	798	13:18	3	0.836	A BB	152809.	153.439	UG/L	2.60
31	75	833	13:53	2	1.304	A BB	57817.	95.954	UG/L	1.63
32	97	852	14:12	2	1.333	A BB	75884.	161.785	UG/L	2.74
33	164	856	14:16	3	0.896	# BV	89091.	151.690	UG/L	2.57
34	58	887	14:47	3	0.929	A BB	22417.	167.480	UG/L	2.84
35	129	892	14:52	2	1.396	A BB	105481.	162.409	UG/L	2.75
36	112	958	15:58	3	1.003	A BB	202038.	152.176	UG/L	2.58
37	106	976	16:16	3	1.022	# BV	95588.	151.121	UG/L	2.56
38	106	991	16:31	3	1.038	# VB	120411.	150.800	UG/L	2.56
39	106	1039	17:19	3	1.088	# BV	117354.	152.001	UG/L	2.58
40	104	1043	17:23	3	1.092	# BV	204394.	150.379	UG/L	2.55
41	173	1061	17:41	2	1.660	# BV	81999.	162.371	UG/L	2.75
42	83	1136	18:56	3	1.190	# BV	115117.	160.235	UG/L	2.72

RMAL QUANTITATION SUMMARY FILE: STDZ538
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

NO	NAME			SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	BROMOCHLOROMETHANE	128IE2#	01	527	1	1.000	1.000	50.000	UG/L
2	1,4-DIFLUOROBENZENE	114SE2#	15	639	2	1.000	1.000	50.000	UG/L
3	CHLOROBENZENE-D5	117 E2#	30	955	3	1.000	1.000	50.000	UG/L
4	D4-1,2-DICHLOROETHANE	65SE2#	14	588	1	1.116	1.231	48.083	UG/L
5	TOLUENE-D8	98SE2#	41	791	3	0.828	1.086	50.161	UG/L
6	BROMOFLUOROBENZENE	95SE2#	40	1105	3	1.157	0.574	48.897	UG/L
7	CHLOROMETHANE	50 E2#	02SP	127	1	0.241	3.328	150.957	UG/L
8	VINYL CHLORIDE	62 E2#	04CC	143	1	0.271	3.490	146.451	UG/L
9	BROMOMETHANE	94 E2#	03	183	1	0.347	3.480	146.562	UG/L
10	CHLORETHANE	64 E2#	05	198	1	0.376	2.423	147.513	UG/L
11	1,1-DICHLOROETHENE	96 E2#	09	295	1	0.560	2.719	104.775	UG/L
12	CARBON DISULFIDE	76 E2#	08	304	1	0.577	10.704	137.295	UG/L
13	ACETONE	58 E2#	07	327	1	0.620	0.185	165.505	UG/L
14	METHYLENE CHLORIDE	84 E2#	06	363	1	0.689	4.750	130.283	UG/L
15	TRANS-1,2-DICHLOROETHENE	96 E2#	11	391	1	0.742	4.380	147.893	UG/L
16	1,1-DICHLOROETHANE	63 E2#	10SP	438	1	0.831	8.264	151.950	UG/L
17	VINYL ACETATE	43 E2#	19	458	2	0.717	1.536	157.567	UG/L
18	2-BUTANONE	72 E2#	16	517	2	0.809	0.063	203.248	UG/L
19	CHLOROFORM	83 E2#	12CC	543	1	1.030	7.767	145.208	UG/L
20	1,1,1-TRICHLOROETHANE	97 E2#	17	549	2	0.859	0.967	147.749	UG/L
21	CARBONTETRACHLORIDE	117 E2#	18	564	2	0.883	1.007	159.821	UG/L
22	BENZENE	78 E2#	26	587	2	0.919	2.629	156.310	UG/L
23	1,2-DICHLOROETHANE	62 E2#	13	595	1	1.129	4.354	156.080	UG/L
24	TRICHLORETHENE	130 E2#	23	659	2	1.031	1.085	157.167	UG/L
25	1,2-DICHLOROPROPANE	63 E2#	21CC	682	2	1.067	1.175	162.465	UG/L
26	BROMODICHLOROMETHANE	83 E2#	20	719	2	1.125	1.366	159.434	UG/L
27	2-CHLOROETHYL VINYL ETHER	63 E2#	28SP	759	2	1.188	0.493	213.963	UG/L
28	CIS-1,3-DICHLOROPROPENE	75 E2#	27	767	2	1.200	1.463	226.590	UG/L
29	4-METHYL-2-PENTANONE	58 E2#	32	791	3	0.828	0.313	154.580	UG/L
30	TOLUENE	92 E2#	35	798	3	0.836	1.966	153.439	UG/L
31	TRANS-1,3-DICHLOROPROPENE	75 E2#	22	833	2	1.304	1.118	95.954	UG/L
32	1,1,2-TRICHLOROETHANE	97 E2#	25	852	2	1.333	0.851	161.785	UG/L
33	TETRACHLOROETHENE	164 E2#	33	856	3	0.896	1.146	151.690	UG/L
34	2-HEXANONE	58 E2#	31	887	3	0.929	0.288	167.480	UG/L
35	DIBROMOCHLOROMETHANE	129 E2#	24	892	2	1.396	1.183	162.409	UG/L
36	CHLOROBENZENE	112 E2#	36SP	958	3	1.003	2.599	152.176	UG/L
37	ETHYLBENZENE	106 E2#	37	976	3	1.022	1.230	151.121	UG/L
38	M&P XYLENE	106 E2#	42	991	3	1.038	1.549	150.800	UG/L
39	O-XYLENE	106 E2#	39	1039	3	1.088	1.510	152.001	UG/L
40	STYRENE	104 E2#	38	1043	3	1.092	2.629	150.379	UG/L
41	BROMOFORM	173 E2#	29SP	1061	2	1.660	0.920	162.371	UG/L
42	1,1,2,2-TETRACHLOROETHANE	83 E2#	34SP	1136	3	1.190	1.481	160.235	UG/L

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE :2:STDZ539. STARTED : 4/14/88 8:28:10

4/14/88 2:26:09 SCAN 1 OF 1900
Acquisition started

Acquire	Run 2:STDZ539	ACQUIRING
04/14/88 2:26:00 + 0:04	Free sectors: 10532	Scan: 4 of 1900
Sample: 200 PPB HSL STD 100%/5ML		
Conds.: GC DESC CV		
Formula: ---	Instrument: 4500	Weight: 1.000
Submitted by: RMAL	Analyst: DAG	Acct. No:

********** 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	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	

4/14/88 2:57:51
ACQUISITION COMPLETED
SCANS 1 TO 1900 Centroid

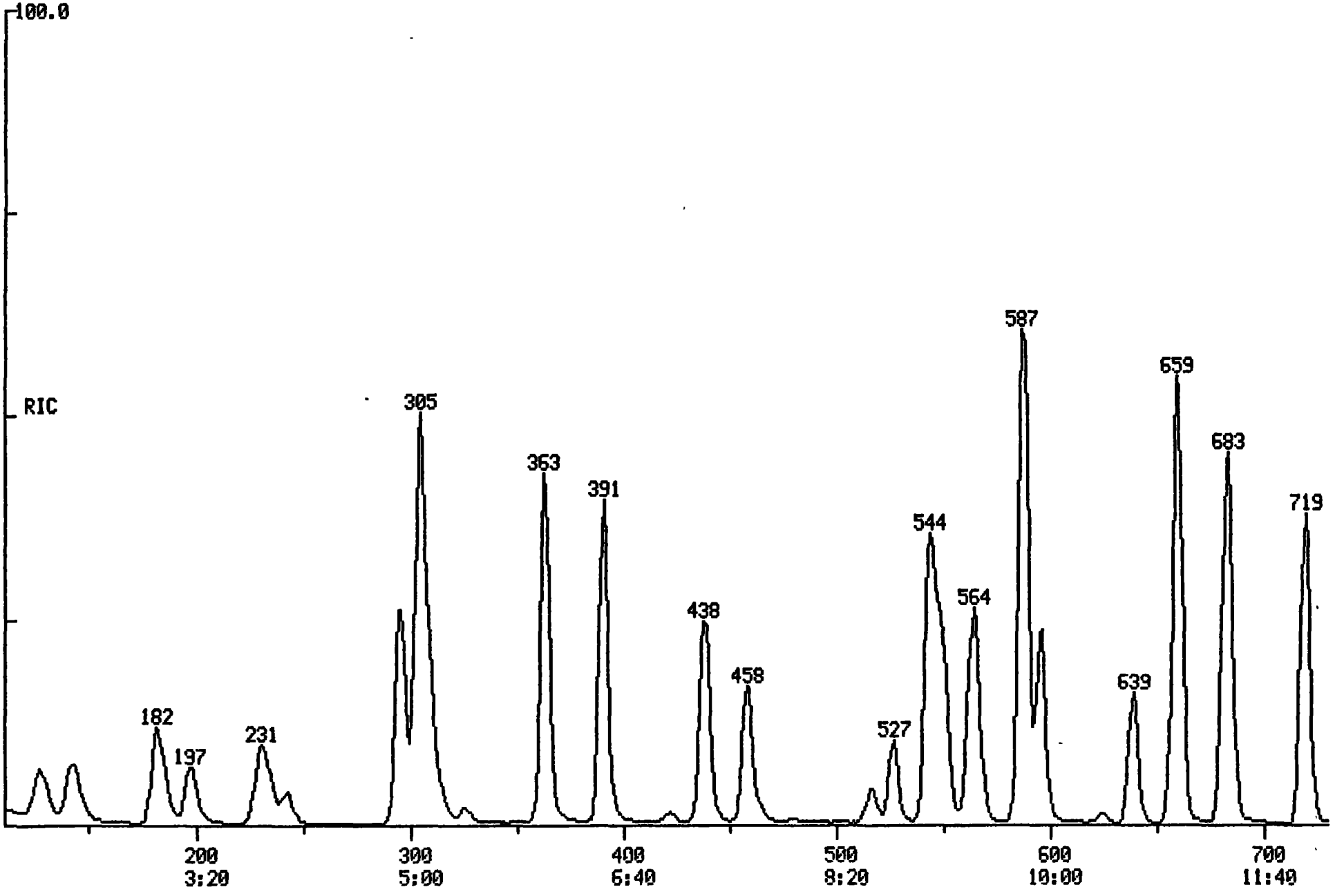
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	1900	42.9	1900.0	2.3	34723. 18.	18.

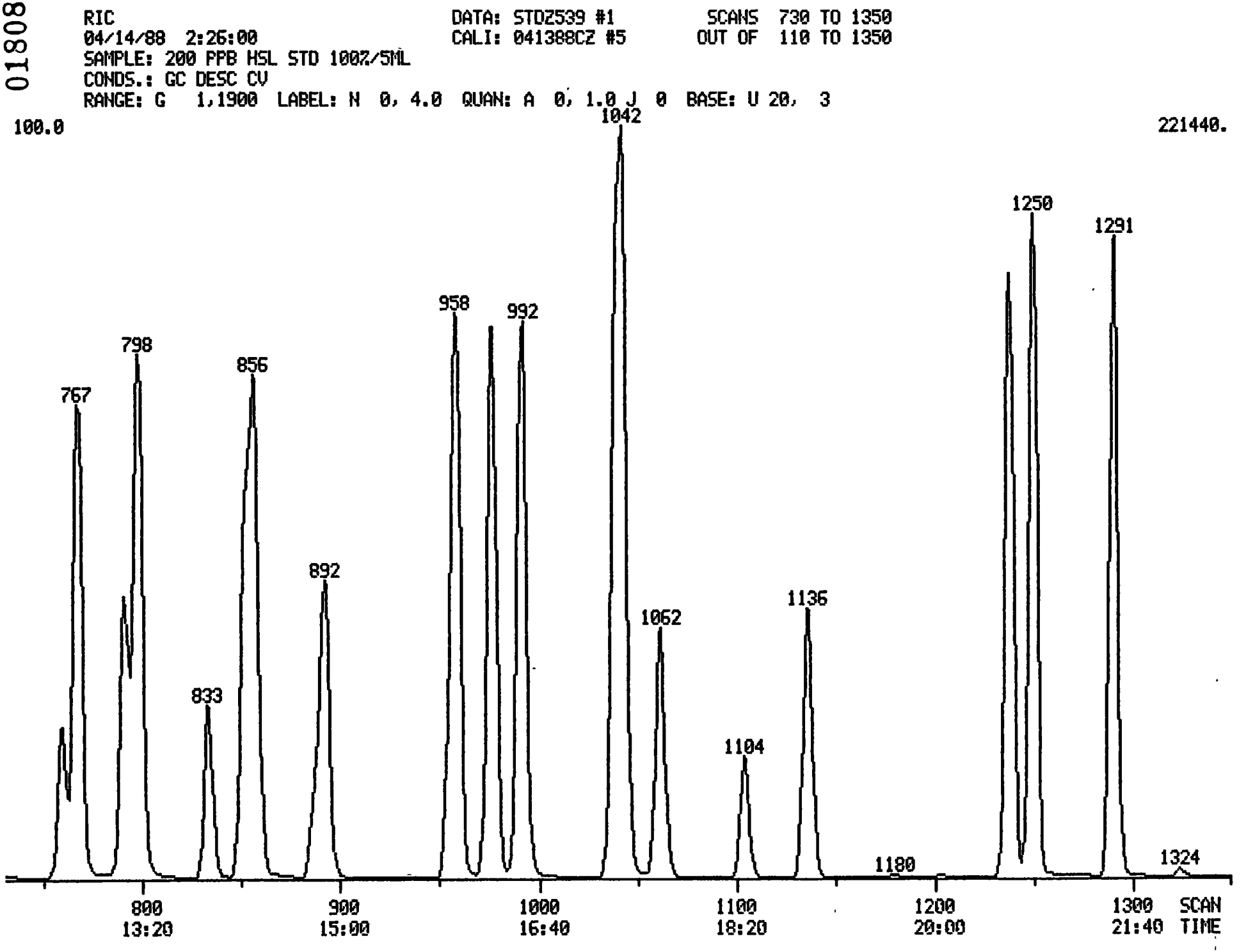
01807

RIC
04/14/88 2:26:00
SAMPLE: 200 PPB HSL STD 100%/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDZ539 #1
CALI: 041388CZ #5

SCANS 110 TO 730
OUT OF 110 TO 1350




01808
RIC
04/14/88 2:26:00
SAMPLE: 200 PPB HSL STD 100%/5ML
CONDS.: GC DESC CV
RANGE: G 1,1900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDZ539 #1
CALI: 041388CZ #5
SCANS 730 TO 1350
OUT OF 110 TO 1350
100.0
221440.
767
798
833
856
892
958
992
1042
1062
1104
1136
1180
1250
1291
1324
800
13:20
900
15:00
1000
16:40
1100
18:20
1200
20:00
1300
21:40
SCAN
TIME

SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

STDZ539
041388CZ
04/14/88
200 PPB HSL STD 100%/5ML

01809

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUR	MATCH	AREA
1	E2	BROM	128	527	530	3	990	829	98.	16309.
2	E2	CHLO	50	127	128	1	985	787	96.	71684.
3	E2	BROM	94	182	184	2	875	851	94.	75779.
4	E2	VINY	62	142	143	1	998	781	96.	76548.
5	E2	CHLO	64	197	199	2	969	776	95.	53242.
6	E2	METH	84	363	364	1	975	732	93.	101686.
7	E2	ACET	58	326	322	-4	995	638	89.	4121.
8	E2	CARB	76	305	306	1	958	486	80.	238520.
9	E2	1,1-	96	391	392	1	978	828	98.	94957.
10	E2	1,1-	63	438	439	1	986	791	96.	179433.
11	E2	TRAN	96	391	392	1	980	857	99.	94957.
12	E2	CHLO	83	543	543	0	985	813	97.	165275.
13	E2	1,2-	62	596	595	-1	934	701	89.	96787.
14	E2	D4-1	65	588	587	-1	827	133	55.	20229.
				-595		-8	632	52	31.	
15	E2	1,4-	114	639	641	2	995	701	92.	87876.
16	E2	2-BU	72	516	515	-1	997	799	97.	6719.
17	E2	1,1,	97	549	550	1	934	746	91.	111851.
18	E2	CARB	117	564	565	1	993	882	100.	118260.
19	E2	VINY	43	458	460	2	989	853	100.	181794.
20	E2	BROM	83	719	719	0	988	852	99.	161291.
21	E2	1,2-	63	683	683	0	966	637	88.	139991.
22	E2	TRAN	75	833	832	-1	985	589	86.	76975.
23	E2	TRIC	130	659	660	1	964	888	100.	127891.
24	E2	DIBR	129	892	891	-1	976	819	97.	142293.
25	E2	1,1,	97	852	850	-2	994	720	93.	102285.
26	E2	BENZ	78	587	588	1	991	771	96.	307536.
27	E2	CIS-	75	767	767	0	986	779	96.	241269.
28	E2	2-CH	63	760	759	-1	997	866	100.	59435.
29	E2	BROM	173	1062	1058	-4	981	831	98.	112772.
30	E2	CHLO	117	955	956	1	996	434	79.	76919.
31	E2	2-HE	58	888	888	0	991	736	94.	31367.
32	E2	4-ME	58	791	792	1	987	411	77.	33362.
33	E2	TETR	164	857	857	0	996	800	97.	118094.
34	E2	1,1,	83	1136	1134	-2	979	776	95.	158317.
35	E2	TOLU	92	798	799	1	971	736	93.	199847.
36	E2	CHLO	112	959	958	-1	952	685	89.	264963.
37	E2	ETHY	106	976	976	0	981	712	92.	126030.
38	E2	STYR	104	1043	1041	-2	979	712	92.	269099.
39	E2	O-XY	106	1039	1038	-1	991	624	88.	154037.
40	E2	BROM	95	1104	1103	-1	967	794	96.	44128.
41	E2	TOLU	98	791	792	1	973	443	78.	83206.
42	E2	M&P	106	992	991	-1	987	695	92.	158875.

Quantitation Report File: STDZ539

01810

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

No	Name			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	CHLOROMETHANE	50	E2#	02SP
3	BROMOMETHANE	94	E2#	03
4	VINYL CHLORIDE	62	E2#	04CC
5	CHLORETHANE	64	E2#	05
6	METHYLENE CHLORIDE	84	E2#	06
7	ACETONE	58	E2#	07
8	CARBON DISULFIDE	76	E2#	08
9	1,1-DICHLOROETHENE	96	E2#	09
10	1,1-DICHLOROETHANE	63	E2#	10SP
11	TRANS-1,2-DICHLOROETHENE	96	E2#	11
12	CHLOROFORM	83	E2#	12CC
13	1,2-DICHLOROETHANE	62	E2#	13
14	D4-1,2-DICHLOROETHANE	65	SE2#	14
15	1,4-DIFLUOROBENZENE	114	SE2#	15
16	2-BUTANONE	72	E2#	16
17	1,1,1-TRICHLOROETHANE	97	E2#	17
18	CARBONTETRACHLORIDE	117	E2#	18
19	VINYL ACETATE	43	E2#	19
20	BROMODICHLOROMETHANE	83	E2#	20
21	1,2-DICHLOROPROPANE	63	E2#	21CC
22	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
23	TRICHLORETHENE	130	E2#	23
24	DIBROMOCHLOROMETHANE	129	E2#	24
25	1,1,2-TRICHLOROETHANE	97	E2#	25
26	BENZENE	78	E2#	26
27	CIS-1,3-DICHLOROPROPENE	75	E2#	27
28	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
29	BROMOFORM	173	E2#	29SP
30	CHLOROBENZENE-D5	117	E2#	30
31	2-HEXANONE	58	E2#	31
32	4-METHYL-2-PENTANONE	58	E2#	32
33	TETRACHLOROETHENE	164	E2#	33
34	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP
35	TOLUENE	92	E2#	35
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	STYRENE	104	E2#	38
39	O-XYLENE	106	E2#	39
40	BROMOFLUOROBENZENE	95	SE2#	40
41	TOLUENE-D8	98	SE2#	41
42	M&P XYLENE	106	E2#	42

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	527	8:47	1	1.000	A BB	16309.	50.000	UG/L	0.64
2	50	127	2:07	1	0.241	# VB	71685.	199.352	UG/L	2.53
3	94	182	3:02	1	0.345	A BB	75780.	195.680	UG/L	2.49
4	62	142	2:22	1	0.269	A BB	76549.	196.930	UG/L	2.50
5	64	197	3:17	1	0.374	A BB	53243.	198.746	UG/L	2.52
6	84	363	6:03	1	0.689	A BB	101687.	171.019	UG/L	2.17
7	58	326	5:26	1	0.619	A BB	4121.	226.551	UG/L	2.88
8	76	305	5:05	1	0.579	A BB	238521.	187.578	UG/L	2.38

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
9	96	391	6:31	1	0.742	# BV	94958.	196.576	UG/L	2.50
10	63	438	7:18	1	0.831	A BB	179434.	202.297	UG/L	2.57
11	96	391	6:31	1	0.742	# BV	94958.	196.576	UG/L	2.50
12	83	343	9:03	1	1.030	# VV	165276.	189.463	UG/L	2.41
13	62	396	9:56	1	1.131	A BB	96788.	212.714	UG/L	2.70
14	65	388	9:48	1	1.116	# BV	20229.	48.434	UG/L	0.62
15	114	639	10:39	15	1.000	# BB	87877.	50.000	UG/L	0.64
16	72	316	8:36	15	0.808	A BB	6719.	245.584	UG/L	3.12
17	97	349	9:09	15	0.859	# VB	111852.	194.443	UG/L	2.47
18	117	364	9:24	15	0.883	# VB	118260.	213.629	UG/L	2.71
19	43	458	7:38	15	0.717	# VB	181795.	212.219	UG/L	2.70
20	83	719	11:59	15	1.125	# BV	161292.	214.190	UG/L	2.72
21	63	683	11:23	15	1.069	A BB	139991.	220.311	UG/L	2.80
22	75	833	13:53	15	1.304	A BB	76975.	129.585	UG/L	1.65
23	130	659	10:59	15	1.031	A BB	127891.	210.729	UG/L	2.68
24	129	892	14:52	15	1.396	# VB	142293.	222.234	UG/L	2.82
25	97	852	14:12	15	1.333	# BV	102285.	221.203	UG/L	2.81
26	78	587	9:47	15	0.919	A BB	307536.	208.036	UG/L	2.64
27	75	767	12:47	15	1.200	A BB	241270.	303.722	UG/L	3.86
28	63	760	12:40	15	1.189	# BV	59435.	293.758	UG/L	3.73
29	173	1062	17:42	15	1.662	A BB	112773.	226.515	UG/L	2.88
30	117	955	15:55	30	1.000	# BV	76920.	50.000	UG/L	0.64
31	58	888	14:48	30	0.930	A BB	31367.	236.834	UG/L	3.01
32	58	791	13:11	30	0.828	# BB	33363.	213.939	UG/L	2.72
33	164	857	14:17	30	0.897	# BV	118094.	203.202	UG/L	2.58
34	83	1136	18:56	30	1.190	A BB	158318.	222.701	UG/L	2.83
35	92	798	13:18	30	0.836	A BB	199848.	202.798	UG/L	2.58
36	112	959	15:59	30	1.004	A BB	264963.	201.686	UG/L	2.56
37	106	976	16:16	30	1.022	# BV	126030.	201.360	UG/L	2.56
38	104	1043	17:23	30	1.092	# BV	269099.	200.083	UG/L	2.54
39	106	1039	17:19	30	1.088	# BV	154038.	201.630	UG/L	2.56
40	93	1104	18:24	30	1.156	# BV	44129.	48.889	UG/L	0.62
41	98	791	13:11	30	0.828	# BV	83206.	49.960	UG/L	0.63
42	106	992	16:32	30	1.039	# VB	158875.	201.079	UG/L	2.55

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:30	0.99	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	2:09	0.98	0.243	0.99	199.35	50.00	4.395	1.102	3.99
3	3:05	0.98	0.349	0.99	195.68	50.00	4.646	1.187	3.91
4	2:24	0.99	0.272	0.99	196.93	50.00	4.694	1.192	3.94
5	3:20	0.98	0.377	0.99	198.75	50.00	3.265	0.821	3.97
6	6:06	0.99	0.691	1.00	171.02	50.00	6.235	1.823	3.42
7	5:24	1.01	0.611	1.01	226.55	50.00	0.253	0.056	4.53
8	5:08	0.99	0.581	1.00	187.58	50.00	14.625	3.898	3.75
9	6:34	0.99	0.743	1.00	196.58	50.00	5.822	1.481	3.93
10	7:22	0.99	0.834	1.00	202.30	50.00	11.002	2.719	4.05
11	6:34	0.99	0.743	1.00	196.58	50.00	5.822	1.481	3.93
12	9:06	0.99	1.030	1.00	189.46	50.00	10.134	2.674	3.79
13	9:58	1.00	1.128	1.00	212.71	50.00	5.934	1.395	4.25
14	9:50	1.00	1.113	1.00	48.43	50.00	1.240	1.280	0.97
15	10:41	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
16	8:37	1.00	0.807	1.00	245.58	50.00	0.076	0.016	4.91
17	9:12	0.99	0.861	1.00	194.44	50.00	1.273	0.327	3.89
18	9:27	0.99	0.885	1.00	213.63	50.00	1.346	0.315	4.27
19	7:41	0.99	0.719	1.00	212.22	50.00	2.069	0.487	4.24
20	12:01	1.00	1.125	1.00	214.19	50.00	1.835	0.428	4.28

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
21	11:25	1.00	1.069	1.00	220.31	50.00	1.593	0.362	4.41
22	13:55	1.00	1.303	1.00	129.58	29.00	1.510	0.338	4.47
23	11:02	1.00	1.033	1.00	210.73	50.00	1.455	0.345	4.21
24	14:54	1.00	1.395	1.00	222.23	50.00	1.619	0.364	4.44
25	14:13	1.00	1.331	1.00	221.20	50.00	1.164	0.263	4.42
26	9:50	0.99	0.920	1.00	208.04	50.00	3.500	0.841	4.16
27	12:49	1.00	1.200	1.00	303.72	70.00	1.961	0.452	4.34
28	12:41	1.00	1.187	1.00	293.76	50.00	0.676	0.115	5.88
29	17:41	1.00	1.655	1.00	226.52	50.00	1.283	0.283	4.53
30	15:56	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
31	14:49	1.00	0.930	1.00	236.83	50.00	0.408	0.086	4.74
32	13:13	1.00	0.829	1.00	213.94	50.00	0.434	0.101	4.28
33	14:18	1.00	0.897	1.00	203.20	50.00	1.535	0.378	4.06
34	18:55	1.00	1.187	1.00	222.70	50.00	2.058	0.462	4.45
35	13:20	1.00	0.837	1.00	202.80	50.00	2.598	0.641	4.06
36	15:59	1.00	1.003	1.00	201.69	50.00	3.445	0.854	4.03
37	16:17	1.00	1.022	1.00	201.36	50.00	1.638	0.407	4.03
38	17:22	1.00	1.090	1.00	200.08	50.00	3.498	0.874	4.00
39	17:19	1.00	1.087	1.00	201.63	50.00	2.003	0.497	4.03
40	18:24	1.00	1.155	1.00	48.89	50.00	0.574	0.587	0.98
41	13:13	1.00	0.829	1.00	49.96	50.00	1.082	1.083	1.00
42	16:32	1.00	1.038	1.00	201.08	50.00	2.065	0.514	4.02

QUANTITATION REPORT FILE: STDZ539

DATA: STDZ539.TI
04/14/88 2:26:00
SAMPLE: 200 PPB HSL STD 100%/5ML
SUBMITTED BY: RMAL ANALYST: DAG

01813

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

NO	NAME			
1	BROMOCHLOROMETHANE	128	IE2#	01
2	1,4-DIFLUOROBENZENE	114	SE2#	15
3	CHLOROBENZENE-D5	117	E2#	30
4	D4-1,2-DICHLOROETHANE	65	SE2#	14
5	TOLUENE-D8	98	SE2#	41
6	BROMOFLUOROBENZENE	95	SE2#	40
7	CHLOROMETHANE	50	E2#	02SP
8	VINYL CHLORIDE	62	E2#	04CC
9	BROMOMETHANE	94	E2#	03
10	CHLORETHANE	64	E2#	05
11	1,1-DICHLOROETHENE	96	E2#	09
12	CARBON DISULFIDE	76	E2#	08
13	ACETONE	58	E2#	07
14	METHYLENE CHLORIDE	84	E2#	06
15	TRANS-1,2-DICHLOROETHENE	96	E2#	11
16	1,1-DICHLOROETHANE	63	E2#	10SP
17	VINYL ACETATE	43	E2#	19
18	2-BUTANONE	72	E2#	16
19	CHLOROFORM	83	E2#	12CC
20	1,1,1-TRICHLOROETHANE	97	E2#	17
21	CARBONTETRACHLORIDE	117	E2#	18
22	BENZENE	78	E2#	26
23	1,2-DICHLOROETHANE	62	E2#	13
24	TRICHLORETHENE	130	E2#	23
25	1,2-DICHLOROPROPANE	63	E2#	21CC
26	BROMODICHLOROMETHANE	83	E2#	20
27	2-CHLOROETHYL VINYL ETHER	63	E2#	28SP
28	CIS-1,3-DICHLOROPROPENE	75	E2#	27
29	4-METHYL-2-PENTANONE	58	E2#	32
30	TOLUENE	92	E2#	35
31	TRANS-1,3-DICHLOROPROPENE	75	E2#	22
32	1,1,2-TRICHLOROETHANE	97	E2#	25
33	TETRACHLOROETHENE	164	E2#	33
34	2-HEXANONE	58	E2#	31
35	DIBROMOCHLOROMETHANE	129	E2#	24
36	CHLOROBENZENE	112	E2#	36SP
37	ETHYLBENZENE	106	E2#	37
38	M&P XYLENE	106	E2#	42
39	O-XYLENE	106	E2#	39
40	STYRENE	104	E2#	38
41	BROMOFORM	173	E2#	29SP
42	1,1,2,2-TETRACHLOROETHANE	83	E2#	34SP

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	527	8:47	1	1.000	A BB	16309.	50.000 UG/L	0.64
2	114	639	10:39	2	1.000	# BB	87877.	50.000 UG/L	0.64

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
3	117	955	15:55	3	1.000	# BV	76920.	50.000	UG/L	0.64
4	65	588	9:48	1	1.116	# BV	20229.	48.434	UG/L	0.62
5	98	791	13:11	3	0.828	# BV	83206.	49.960	UG/L	0.64
6	95	1104	18:24	3	1.156	# BV	44129.	48.889	UG/L	0.62
7	50	127	2:07	1	0.241	# VB	71685.	199.352	UG/L	2.54
8	62	142	2:22	1	0.269	A BB	76549.	196.930	UG/L	2.51
9	94	182	3:02	1	0.345	A BB	75780.	195.680	UG/L	2.49
10	64	197	3:17	1	0.374	A BB	53243.	198.746	UG/L	2.53
11	96	295	4:55	1	0.560	M XX	77995.	184.277	UG/L	2.34
12	76	305	5:05	1	0.579	A BB	238521.	187.578	UG/L	2.39
13	58	326	5:26	1	0.619	A BB	4121.	226.551	UG/L	2.88
14	84	363	6:03	1	0.689	A BB	101687.	171.019	UG/L	2.18
15	96	391	6:31	1	0.742	# BV	94958.	196.576	UG/L	2.50
16	63	438	7:18	1	0.831	A BB	179434.	202.297	UG/L	2.57
17	43	458	7:38	2	0.717	# VB	181795.	212.219	UG/L	2.70
18	72	516	8:36	2	0.808	A BB	6719.	245.584	UG/L	3.12
19	83	543	9:03	1	1.030	# VV	165276.	189.465	UG/L	2.41
20	97	549	9:09	2	0.859	# VB	111852.	194.443	UG/L	2.47
21	117	564	9:24	2	0.883	# VB	118260.	213.629	UG/L	2.72
22	78	587	9:47	2	0.919	A BB	307536.	208.036	UG/L	2.65
23	62	596	9:56	1	1.131	A BB	96788.	212.714	UG/L	2.71
24	130	659	10:59	2	1.031	A BB	127891.	210.729	UG/L	2.68
25	63	683	11:23	2	1.069	A BB	139991.	220.311	UG/L	2.80
26	83	719	11:59	2	1.125	# BV	161292.	214.190	UG/L	2.73
27	63	760	12:40	2	1.189	# BV	59435.	293.758	UG/L	3.74
28	75	767	12:47	2	1.200	A BB	241270.	303.722	UG/L	3.86
29	58	791	13:11	3	0.828	# BB	33363.	213.939	UG/L	2.72
30	92	798	13:18	3	0.836	A BB	199848.	202.798	UG/L	2.58
31	75	833	13:53	2	1.304	A BB	76975.	129.585	UG/L	1.65
32	97	852	14:12	2	1.333	# BV	102285.	221.203	UG/L	2.81
33	164	857	14:17	3	0.897	# BV	118094.	203.202	UG/L	2.59
34	58	888	14:48	3	0.930	A BB	31367.	236.834	UG/L	3.01
35	129	892	14:52	2	1.396	# VB	142293.	222.234	UG/L	2.83
36	112	959	15:59	3	1.004	A BB	264963.	201.686	UG/L	2.57
37	106	976	16:16	3	1.022	# BV	126030.	201.360	UG/L	2.56
38	106	992	16:32	3	1.039	# VB	158875.	201.079	UG/L	2.56
39	106	1039	17:19	3	1.088	# BV	154038.	201.630	UG/L	2.57
40	104	1043	17:23	3	1.092	# BV	269099.	200.083	UG/L	2.55
41	173	1062	17:42	2	1.662	A BB	112773.	226.515	UG/L	2.88
42	83	1136	18:56	3	1.190	A BB	158318.	222.701	UG/L	2.83

RMAL QUANTITATION SUMMARY FILE: STDZ539
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

NO	NAME			SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	BROMOCHLOROMETHANE	128IE2#	01	527	1	1.000	1.000	50.000	UG/L
2	1,4-DIFLUOROBENZENE	114SE2#	15	639	2	1.000	1.000	50.000	UG/L
3	CHLOROBENZENE-D5	117 E2#	30	955	3	1.000	1.000	50.000	UG/L
4	D4-1,2-DICHLOROETHANE	65SE2#	14	588	1	1.116	1.240	48.434	UG/L
5	TOLUENE-D8	98SE2#	41	791	3	0.828	1.082	49.960	UG/L
6	BROMOFLUOROBENZENE	95SE2#	40	1104	3	1.156	0.574	48.889	UG/L
7	CHLOROMETHANE	50 E2#	02SP	127	1	0.241	4.395	199.352	UG/L
8	VINYL CHLORIDE	62 E2#	04CC	142	1	0.269	4.694	196.930	UG/L
9	BROMOMETHANE	94 E2#	03	182	1	0.345	4.646	195.680	UG/L
10	CHLORETHANE	64 E2#	05	197	1	0.374	3.265	198.746	UG/L
11	1,1-DICHLOROETHENE	96 E2#	09	295	1	0.560	4.782	184.277	UG/L
12	CARBON DISULFIDE	76 E2#	08	305	1	0.57914	4.625	187.578	UG/L
13	ACETONE	58 E2#	07	326	1	0.619	0.253	226.551	UG/L
14	METHYLENE CHLORIDE	84 E2#	06	363	1	0.689	6.235	171.019	UG/L
15	TRANS-1,2-DICHLOROETHENE	96 E2#	11	391	1	0.742	5.822	196.576	UG/L
16	1,1-DICHLOROETHANE	63 E2#	10SP	438	1	0.83111	1.002	202.297	UG/L
17	VINYL ACETATE	43 E2#	19	458	2	0.717	2.069	212.219	UG/L
18	2-BUTANONE	72 E2#	16	516	2	0.808	0.076	245.584	UG/L
19	CHLOROFORM	83 E2#	12CC	543	1	1.03010	0.134	189.465	UG/L
20	1,1,1-TRICHLOROETHANE	97 E2#	17	549	2	0.859	1.273	194.443	UG/L
21	CARBONTETRACHLORIDE	117 E2#	18	564	2	0.883	1.346	213.629	UG/L
22	BENZENE	78 E2#	26	587	2	0.919	3.500	208.036	UG/L
23	1,2-DICHLOROETHANE	62 E2#	13	596	1	1.131	5.934	212.714	UG/L
24	TRICHLORETHENE	130 E2#	23	659	2	1.031	1.455	210.729	UG/L
25	1,2-DICHLOROPROPANE	63 E2#	21CC	683	2	1.069	1.593	220.311	UG/L
26	BROMODICHLOROMETHANE	83 E2#	20	719	2	1.125	1.835	214.190	UG/L
27	2-CHLOROETHYL VINYL ETHER	63 E2#	28SP	760	2	1.189	0.676	293.758	UG/L
28	CIS-1,3-DICHLOROPROPENE	75 E2#	27	767	2	1.200	1.961	303.722	UG/L
29	4-METHYL-2-PENTANONE	58 E2#	32	791	3	0.828	0.434	213.939	UG/L
30	TOLUENE	92 E2#	35	798	3	0.836	2.598	202.798	UG/L
31	TRANS-1,3-DICHLOROPROPENE	75 E2#	22	833	2	1.304	1.510	129.585	UG/L
32	1,1,2-TRICHLOROETHANE	97 E2#	25	852	2	1.333	1.164	221.203	UG/L
33	TETRACHLOROETHENE	164 E2#	33	857	3	0.897	1.535	203.202	UG/L
34	2-HEXANONE	58 E2#	31	888	3	0.930	0.408	236.834	UG/L
35	DIBROMOCHLOROMETHANE	129 E2#	24	892	2	1.396	1.619	222.234	UG/L
36	CHLOROBENZENE	112 E2#	36SP	959	3	1.004	3.445	201.686	UG/L
37	ETHYLBENZENE	106 E2#	37	976	3	1.022	1.638	201.360	UG/L
38	M&P XYLENE	106 E2#	42	992	3	1.039	2.065	201.079	UG/L
39	O-XYLENE	106 E2#	39	1039	3	1.088	2.003	201.630	UG/L
40	STYRENE	104 E2#	38	1043	3	1.092	3.498	200.083	UG/L
41	BROMOFORM	173 E2#	29SP	1062	2	1.662	1.283	226.515	UG/L
42	1,1,2,2-TETRACHLOROETHANE	83 E2#	34SP	1136	3	1.190	2.058	222.701	UG/L

4/16/87 9:26:54 SCAN 1 OF 2900 01816
Acquisition started

cquire Run 2:STDR096 ACQUIRING
4/16/87 9:26:00 + 0:03 Free sectors: 11396 Scan: 4 of 2900
ample: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
onds.: SK
ormula: Instrument: 4500 Weight: 0.000
ubmitted by: RMAL Analyst: CR Acct. No:

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

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

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

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

in Peak Width: 3 Min Frag Width %: 80 Min Area: 20
DC 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	

4/16/87 10:03:11
ACQUISITION COMPLETED
SCANS 1 TO 2900 Centroid

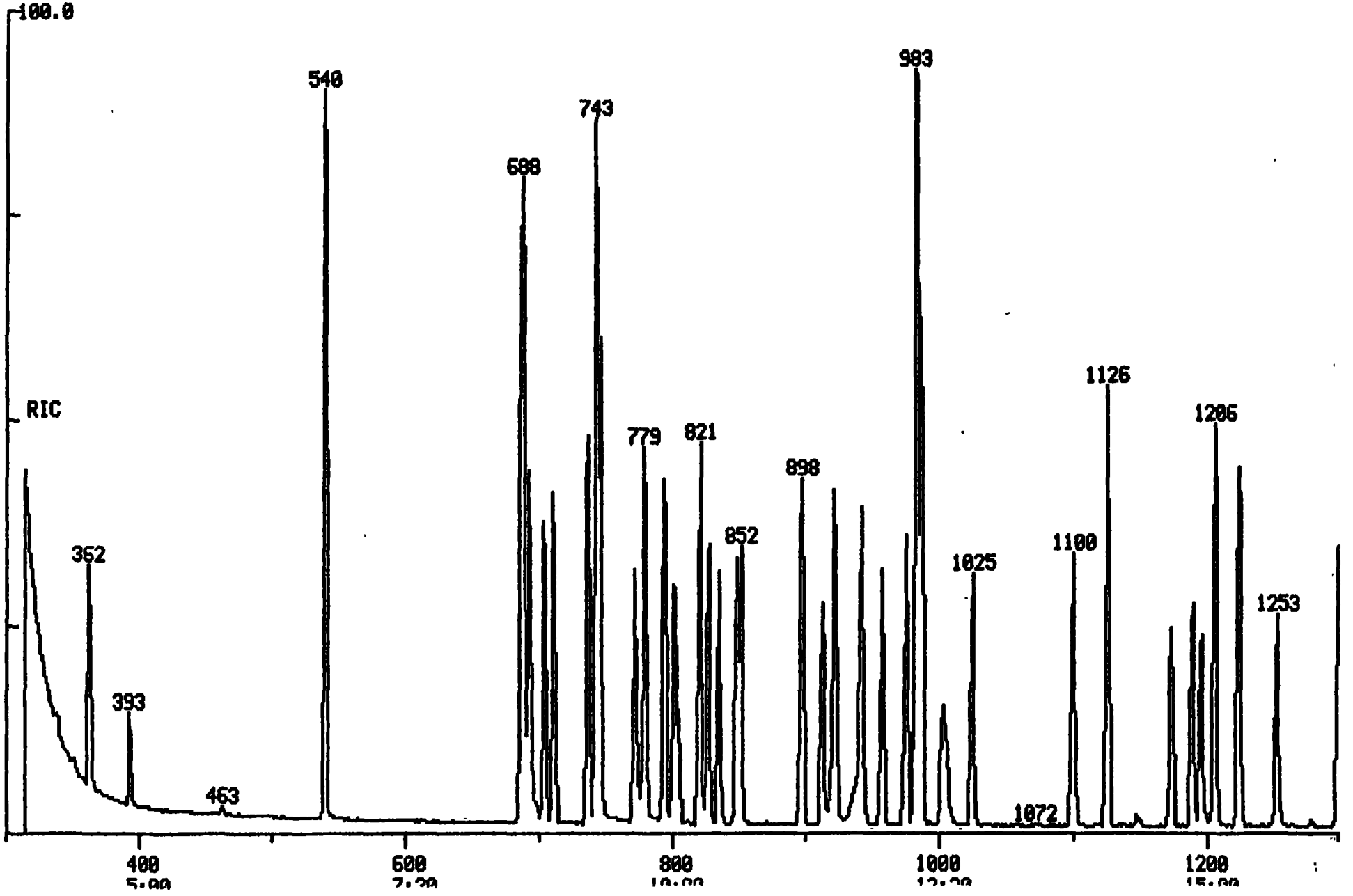
ode	Scans	Secs	Out of	%	Peaks per scan	per sec
entroid	2900	398.0	2175.0	18.3	87014. 30.	40.

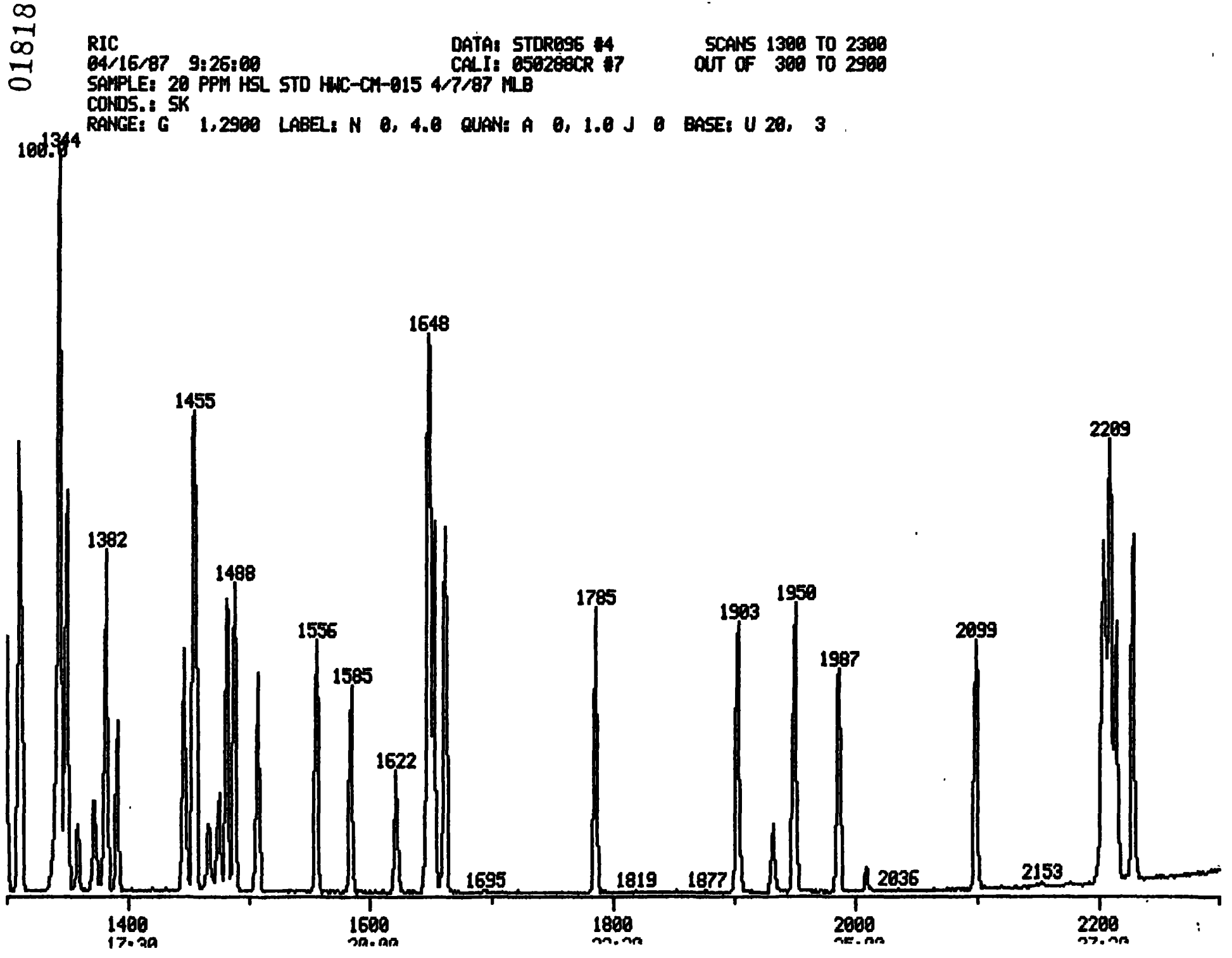
01817

RIC
04/16/87 9:26:00
SAMPLE: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDR096 #4
CALI: 050288CR #7

SCANS 300 TO 1300
OUT OF 300 TO 2900

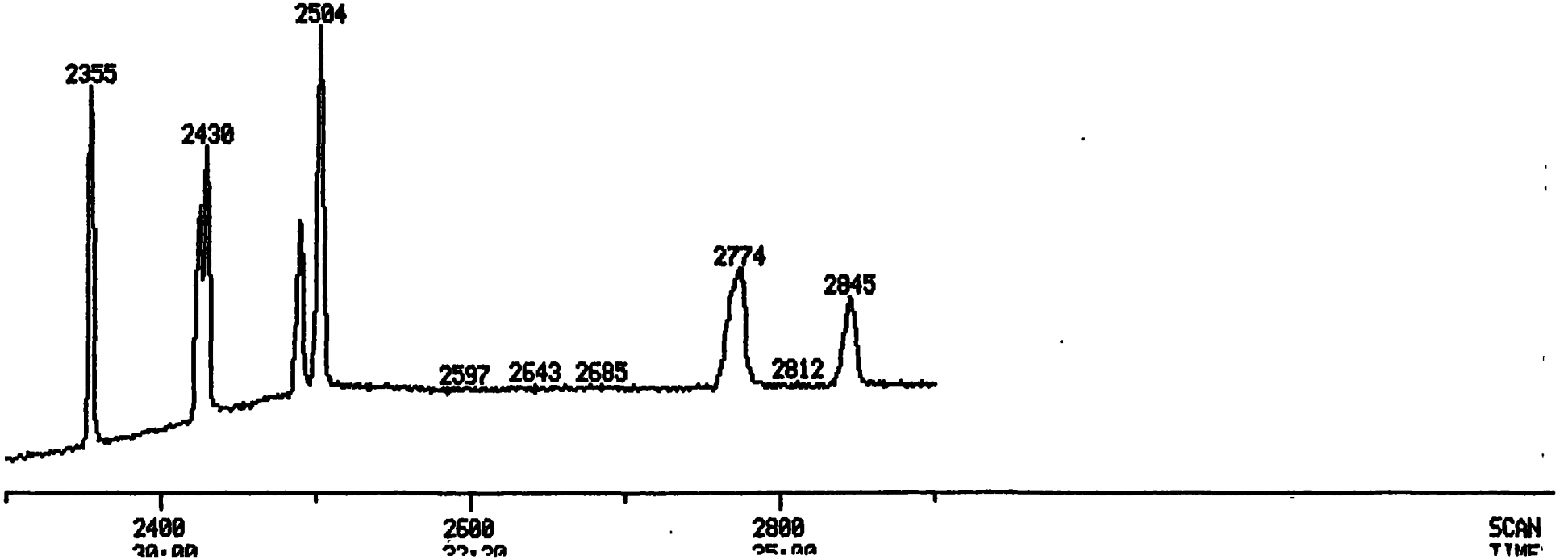



01818
RIC
04/16/87 9:26:00
DATA: STDR096 #4
CALI: 050288CR #7
SCANS 1300 TO 2300
OUT OF 300 TO 2900
SAMPLE: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
1344
1382
1455
1488
1556
1585
1622
1648
1695
1785
1819
1877
1903
1950
1987
2036
2099
2153
2209
1400
1600
1800
2000
2200

01819

RIC DATA: STDR096 #4 SCANS 2300 TO 2900
04/16/87 9:26:00 CALI: 050288CR #7 OUT OF 300 TO 2900
SAMPLE: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 59584.



ROCEDURE: TCA DIAGNOSTIC REPORT 5/04/88 12:26:56
)ATA FILE: STDR096
EFERENCE: 11TABLE
IAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

01820

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	9	9	7	101	ISO1/TCO1
3	3	1	81	18	18	1	179	ISO2/TCO2
3	3	1	81	12	12	2	70	ISO3/TCO3
3	3	1	82	18	18	4	74	ISO4/TCO4
3	3	1	82	11	11	1	97	ISO5/TCO5
3	3	1	80	8	8	2	99	ISO6/TCO6
3	3	1	25	15	15	8	101	ISO7/TCO7
1	1	1	0	4	4	1	4	ISO8/TCO8

81 COMPOUNDS PROCESSED, 81 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-741	743	743	.	1	966	.	152	743	.	1
2	S1	15	-361	357	357	.	7	1000	.	74	.	.	.
3	S1	2	-540	538	540	2	1	989	.	112	540	.	1
4	S1	3	-688	688	687	-1	1	960	.	99	687	.	1
5	S1	105	-690	690	689	-1	1	989	.	94	689	.	1
6	S1	100	-693	693	693	.	1	989	.	93	693	.	1
7	S1	110	-704	704	704	.	1	973	.	93	704	.	1
8	S1	115	-711	711	711	.	1	990	.	128	711	.	1
9	S1	125	-736	737	737	.	1	997	.	146	737	.	1
10	S2	1	-982	984	983	-1	1	995	.	136	983	.	1
11	S3	1	-1342	1344	1344	.	1	987	.	164	1344	.	1
12	S1	130	-745	745	746	1	1	995	.	146	746	.	1
13	S1	145	-772	772	772	.	1	998	.	108	772	.	1
14	S1	150	-779	779	779	.	1	992	.	146	779	.	1
15	S1	160	-794	794	794	.	1	979	.	108	794	.	1
16	S1	165	-801	801	801	.	1	968	.	45	801	.	1
17	S1	185	-822	822	821	-1	1	995	.	108	821	.	1
18	S1	190	-829	829	827	-2	1	1000	.	70	828	1	1
19	S1	200	-835	835	835	.	1	991	.	117	835	.	1
20	S2	2	-849	849	849	.	1	999	.	82	849	.	1
21	S2	10	-853	853	852	-1	1	998	.	77	852	.	1
22	S2	20	-899	899	898	-1	1	977	.	82	898	.	1
23	S2	25	-913	913	913	.	1	992	.	139	913	.	1
24	S2	30	-922	922	922	.	1	997	.	107	922	.	1
25	S2	35	-943	943	943	.	1	996	.	93	943	.	1
26	S2	45	-948	948	942	-6	1	997	.	122	942	.	1
27	S2	40	-958	959	958	-1	1	996	.	162	958	.	1
28	S2	55	-975	976	976	.	1	995	.	180	976	.	1
29	S2	60	-987	988	987	-1	1	997	.	128	987	.	1
30	S2	80	-1002	1003	1003	.	1	989	.	127	1003	.	1
31	S2	95	-1024	1025	1025	.	1	995	.	225	1025	.	1
32	S2	130	-1100	1101	1100	-1	1	994	.	107	1100	.	1
33	S2	145	-1125	1126	1126	.	1	990	.	142	1126	.	1
34	S3	20	-1172	1173	1173	.	1	999	.	237	1173	.	1
35	S3	25	-1188	1189	1189	.	2	993	.	196	1189	.	1
36	S4	1	-1647	1648	1648	.	1	988	.	188	1648	.	1
37	S3	30	-1195	1195	1195	.	2	998	.	196	1195	.	1
38	S3	3	-1206	1206	1206	.	1	997	.	172	1206	.	1
39	S3	40	-1224	1224	1224	.	1	996	.	162	1224	.	1
40	S3	45	-1253	1253	1253	.	1	995	.	65	1253	.	1
41	S3	55	-1300	1300	1300	.	1	976	.	163	1300	.	1
42	S3	65	-1311	1311	1311	.	1	995	.	152	1311	.	1
43	S3	70	-1313	1313	1312	-1	1	986	.	165	1312	.	1
44	S3	75	-1339	1339	1339	.	2	995	.	138	1339	.	1
45	S3	80	-1350	1350	1350	.	1	987	.	153	1350	.	1
46	S3	85	-1359	1359	1359	.	1	985	.	184	1359	.	1
47	S3	95	-1373	1373	1372	-1	1	995	.	109	1372	.	1
48	S3	90	-1382	1382	1382	.	1	960	.	168	1382	.	1
49	S3	105	-1392	1392	1392	.	1	995	.	165	1392	.	1
50	S3	130	-1447	1447	1446	-1	1	960	.	149	1446	.	1
51	S3	135	-1454	1454	1454	.	1	987	.	166	1454	.	1
52	S3	140	-1455	1455	1456	1	1	983	.	204	1455	-1	1
53	S3	150	-1466	1466	1466	.	1	976	.	138	1466	.	1
54	S4	10	-1476	1476	1475	-1	1	975	.	198	1475	.	1
55	S4	15	-1482	1482	1481	-1	1	982	.	169	1481	.	1
56	S4	20	-1488	1488	1488	.	1	997	.	77	1488	.	1
57	S3	2	-1508	1508	1507	-1	1	997	.	330	1507	.	1
58	S4	30	-1556	1556	1556	.	1	914	.	248	1556	.	1
59	S4	40	-1585	1585	1585	.	1	995	.	284	1585	.	1
60	S5	1	-2207	2209	2209	.	1	958	.	240	2209	.	1
61	S4	50	-1622	1623	1622	-1	1	993	.	266	1621	-1	1
62	S4	65	-1653	1654	1653	-1	2	961	.	178	1653	.	1
63	S4	70	-1662	1663	1662	-1	1	944	.	178	1662	.	1

65	S4	110	-1903	1904	1903	-1	1	980	.	202	1903	.	1
66	S6	1	-2501	2504	2504	.	1	991	.	264	2503	-1	1
67	S5	10	-1932	1932	1932	.	1	994	.	184	1932	.	1
68	S5	15	-1950	1950	1950	.	1	993	.	202	1950	.	1
69	S5	2	-1987	1987	1986	-1	1	979	.	244	1986	.	1
70	S5	40	-2099	2099	2099	.	1	990	.	149	2099	.	1
71	S5	55	-2202	2202	2203	1	1	987	.	252	2203	.	1
72	S5	50	-2204	2204	2204	.	2	999	.	228	2204	.	1
73	S5	60	-2214	2214	2214	.	1	993	.	228	2214	.	1
74	S5	65	-2227	2227	2228	1	1	990	.	149	2228	.	1
75	S6	10	-2355	2356	2355	-1	1	995	.	149	2355	.	1
76	S6	15	-2425	2426	2425	-1	2	993	.	252	2425	.	1
77	S6	25	-2430	2431	2430	-1	2	996	.	252	2430	.	1
78	S6	35	-2490	2491	2490	-1	1	991	.	252	2490	.	1
79	S6	55	-2769	2769	2769	.	1	992	.	276	2769	.	1
80	S6	65	-2769	2769	2769	.	1	989	.	276	2769	.	1
81	S6	60	-2775	2775	2775	.	1	987	.	278	2775	.	1

01821

Quantitation Report File: STDR096

Data: STDR096.TI
04/16/87 9:26:00
Sample: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula:
Submitted by: RMAL

Instrument: 4500
Analyst: CR

Weight: 0.000
Acct. No.:

01822

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

No	Name					
1	CI30 1,4-DICHLOROBENZENE-D4	152	I	S1#	01	3855-82-1
2	N-NITROSODIMETHYLAMINE	74		S1#	15	62-75-9
3	CS50 2-FLUOROPHENOL	112	S	1#	02	367-12-4
4	CS45 PHENOL-D5	99	S	1#	03	4165-62-2
5	C315 PHENOL	94		S1#	105CC	108-95-2
6	ANILINE	93		S1#	100	62-53-3
7	C325 BIS(2-CHLOROETHYL)ETHER	93		S1#	110	111-44-4
8	C330 2-CHLOROPHENOL	128		S2#	115	95-57-8
9	C335 1,3-DICHLOROBENZENE	146		S1#	125	541-73-1
10	CI40 NAPHTHALENE-D8	136	I	S2#	01	1146-65-2
11	CI50 ACENAPHTHENE-D10	164	I	S3#	01	15067-26-2
12	C340 1,4-DICHLOROBENZENE	146		S1#	130CC	106-46-7
13	C345 BENZYL ALCOHOL	108		S1#	145	100-51-6
14	C350 1,2-DICHLOROBENZENE	146		S1#	150	95-50-1
15	C355 2-METHYLPHENOL	108		S1#	160	95-48-7
16	C360 BIS(2-CHLOROISOPROPYL)E	45		S1#	165	108-60-1
17	C365 4-METHYLPHENOL	108		S1#	185	106-44-5
18	C370 N-NITROSO-DI-N-PROPYLAM	70		S1#	190SP	621-64-7
19	C375 HEXACHLOROETHANE	117		S1#	200	67-72-1
20	CS20 NITROBENZENE-D5	82	S	2#	02	4165-60-0
21	C410 NITROBENZENE	77		S2#	10	98-95-3
22	C415 ISOPHORONE	82		S2#	20	75-59-1
23	C420 2-NITROPHENOL	139		S2#	25CC	88-75-5
24	C425 2,4-DIMETHYLPHENOL	107		S2#	30	105-67-9
25	C435 BIS(2-CHLOROETHOXY)METH	93		S2#	35	111-91-1
26	C430 BENZOIC ACID	122		S2#	45	65-85-0
27	C440 2,4-DICHLOROPHENOL	162		S2#	40	120-83-2
28	C445 1,2,4-TRICHLOROBENZENE	180		S2#	55	120-82-1
29	C450 NAPHTHALENE	128		S2#	60	91-20-3
30	C455 4-CHLOROANALINE	127		S2#	80	106-47-8
31	C460 HEXACHLOROBUTADIENE	225		S2#	95CC	87-68-3
32	C465 4-CHLORO-3-METHYLPHENO	107		S2#	130CC	59-50-7
33	C470 2-METHYLNAPHTHALENE	142		S2#	145	91-57-6
34	C510 HEXACHLOROCYCLOPENTADI	237		S3#	20	77-47-4
35	C515 2,4,6-TRICHLOROPHENOL	196		S3#	25CC	88-06-2
36	CI60 PHENANTHRENE-D10	188	I	S4#	01	1517-22-2
37	C520 2,4,5-TRICHLOROPHENOL	196		S3#	30	95-95-4
38	CS25 2-FLUOROBIPHENYL	172	S	S3#	03	321-60-8
39	C525 2-CHLORONAPHTHALENE	162		S3#	40	91-58-7
40	C530 2-NITROANALINE	65		S3#	45	88-74-4
41	C535 DIMETHYLPHTHALATE	163		S3#	55	131-11-3
42	C540 ACENAPHTHYLENE	152		S3#	65	208-96-8
43	C543 2,6-DINITROTOLUENE	165		S3#	70	606-20-2
44	C545 3-NITROANILINE	138		S3#	75	99-09-2
45	C550 ACENAPHTHENE	153		S3#	80CC	83-32-9
46	C555 2,4-DINITROPHENOL	184		S3#	85SP	51-28-5
47	C560 4-NITROPHENOL	109		S3#	95SP	100-02-7

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	743	9:17	1	1.000	A BB	20748.	40.000	UG/ML	2.27
2	NOT FOUND									
3	112	540	6:45	1	0.727	A BB	36463.	38.948	UG/ML	2.21
4	99	687	8:35	1	0.925	A BB	42022.	37.971	UG/ML	2.15
5	94	689	8:37	1	0.927	A BV	24683.	18.873	UG/ML	1.07
6	93	693	8:40	1	0.933	A BV	25805.	18.211	UG/ML	1.03
7	93	704	8:48	1	0.948	A VB	19505.	20.118	UG/ML	1.14
8	128	711	8:53	1	0.957	A BB	16001.	19.133	UG/ML	1.09
9	146	737	9:13	1	0.992	A BV	17388.	19.942	UG/ML	1.13
10	136	983	12:17	10	1.000	A BV	75027.	40.000	UG/ML	2.27
11	164	1344	16:48	11	1.000	A BB	35754.	40.000	UG/ML	2.27
12	146	746	9:19	1	1.004	A VB	18162.	19.781	UG/ML	1.12
13	108	772	9:39	1	1.039	A BB	9600.	18.009	UG/ML	1.02
14	146	779	9:44	1	1.048	A BB	16482.	19.800	UG/ML	1.12
15	108	794	9:55	1	1.069	A BV	14572.	19.084	UG/ML	1.08
16	45	801	10:01	1	1.078	A BB	30069.	19.812	UG/ML	1.12
17	108	821	10:16	1	1.105	A BB	15268.	18.894	UG/ML	1.07
18	70	828	10:21	1	1.114	A BB	13765.	19.317	UG/ML	1.10
19	117	835	10:26	1	1.124	A BB	6861.	19.232	UG/ML	1.09
20	82	849	10:37	10	0.864	A BB	18719.	20.179	UG/ML	1.14
21	77	852	10:39	10	0.867	A BV	18344.	20.420	UG/ML	1.16
22	82	898	11:13	10	0.914	A BB	33199.	19.573	UG/ML	1.11
23	139	913	11:25	10	0.929	A BV	8636.	20.358	UG/ML	1.15
24	107	922	11:31	10	0.938	A BB	13678.	19.750	UG/ML	1.12
25	93	943	11:47	10	0.959	A BB	20577.	19.589	UG/ML	1.11
26	122	942	11:46	10	0.958	A BB	5754.	17.771	UG/ML	1.01
27	162	958	11:58	10	0.975	A BB	10041.	19.496	UG/ML	1.11
28	180	976	12:12	10	0.993	A BB	11726.	19.961	UG/ML	1.13
29	128	987	12:20	10	1.004	A BB	43301.	20.183	UG/ML	1.14
30	127	1003	12:32	10	1.020	A BB	11857.	14.033	UG/ML	0.80
31	229	1025	12:49	10	1.043	A BB	5754.	20.276	UG/ML	1.15
32	107	1100	13:45	10	1.119	A BB	11573.	19.198	UG/ML	1.09
33	142	1126	14:04	10	1.145	A BB	24673.	19.370	UG/ML	1.10
34	237	1173	14:40	11	0.873	A BB	5851.	19.630	UG/ML	1.11
35	196	1189	14:52	11	0.885	A BV	6057.	18.542	UG/ML	1.05
36	188	1648	20:36	36	1.000	A BV	49967.	40.000	UG/ML	2.27
37	196	1195	14:56	11	0.889	A VB	6050.	18.970	UG/ML	1.08
38	172	1206	15:04	11	0.897	A BB	25589.	19.606	UG/ML	1.11
39	162	1224	15:18	11	0.911	A BB	22496.	19.642	UG/ML	1.11
40	65	1253	15:40	11	0.932	A BB	8507.	19.565	UG/ML	1.11
41	163	1300	16:15	11	0.967	A BB	23816.	19.550	UG/ML	1.11
42	152	1311	16:23	11	0.975	A BB	35690.	19.943	UG/ML	1.13
43	165	1312	16:24	11	0.976	A BB	6156.	19.333	UG/ML	1.10
44	138	1339	16:44	11	0.996	A BV	2555.	9.347	UG/ML	0.53
45	153	1350	16:52	11	1.004	A BB	21750.	19.828	UG/ML	1.12
46	184	1359	16:59	11	1.011	A BB	2148.	18.572	UG/ML	1.05
47	109	1372	17:09	11	1.021	A BB	2144.	20.237	UG/ML	1.15
48	168	1382	17:16	11	1.028	A BB	30069.	20.025	UG/ML	1.14
49	165	1392	17:24	11	1.036	A BB	7016.	19.493	UG/ML	1.11
50	149	1446	18:04	11	1.076	A BV	22534.	19.381	UG/ML	1.10

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:31		0.487						
3	6:45	1.00	0.728	1.00	38.95	100.00	0.703	1.805	0.39
4	8:36	1.00	0.927	1.00	37.97	100.00	0.810	2.134	0.38
5	8:37	1.00	0.930	1.00	18.87	50.00	0.952	2.521	0.38
6	8:40	1.00	0.934	1.00	18.21	50.00	0.995	2.732	0.36
7	8:48	1.00	0.949	1.00	20.12	50.00	0.752	1.869	0.40
8	8:53	1.00	0.958	1.00	19.13	50.00	0.617	1.612	0.38
9	9:12	1.00	0.992	1.00	19.94	50.00	0.670	1.681	0.40
10	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
11	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
12	9:19	1.00	1.004	1.00	19.78	50.00	0.700	1.770	0.40
13	9:39	1.00	1.040	1.00	18.01	50.00	0.370	1.028	0.36
14	9:44	1.00	1.050	1.00	19.80	50.00	0.636	1.605	0.40
15	9:55	1.00	1.070	1.00	19.08	50.00	0.562	1.472	0.38
16	10:01	1.00	1.080	1.00	19.81	50.00	1.159	2.926	0.40
17	10:16	1.00	1.108	1.00	18.89	50.00	0.589	1.558	0.38
18	10:22	1.00	1.117	1.00	19.32	50.00	0.531	1.374	0.39
19	10:26	1.00	1.125	1.00	19.23	50.00	0.265	0.688	0.38
20	10:37	1.00	0.864	1.00	20.18	50.00	0.200	0.495	0.40
21	10:40	1.00	0.868	1.00	20.42	50.00	0.196	0.479	0.41
22	11:14	1.00	0.915	1.00	19.57	50.00	0.354	0.904	0.39
23	11:25	1.00	0.929	1.00	20.36	50.00	0.092	0.226	0.41
24	11:31	1.00	0.938	1.00	19.75	50.00	0.146	0.369	0.40
25	11:47	1.00	0.959	1.00	19.59	50.00	0.219	0.560	0.39
26	11:51	0.99	0.964	0.99	17.77	50.00	0.061	0.173	0.36
27	11:58	1.00	0.975	1.00	19.50	50.00	0.107	0.275	0.39
28	12:11	1.00	0.992	1.00	19.96	50.00	0.125	0.313	0.40
29	12:20	1.00	1.004	1.00	20.18	50.00	0.462	1.144	0.40
30	12:31	1.00	1.019	1.00	14.03	50.00	0.126	0.450	0.28
31	12:48	1.00	1.042	1.00	20.28	50.00	0.061	0.151	0.41
32	13:45	1.00	1.119	1.00	19.20	50.00	0.123	0.321	0.38
33	14:04	1.00	1.144	1.00	19.37	50.00	0.263	0.679	0.39
34	14:39	1.00	0.873	1.00	19.63	50.00	0.131	0.333	0.39
35	14:51	1.00	0.885	1.00	18.54	50.00	0.136	0.365	0.37
36	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
37	14:56	1.00	0.890	1.00	18.97	50.00	0.135	0.357	0.38
38	15:04	1.00	0.898	1.00	19.61	50.00	0.573	1.460	0.39
39	15:18	1.00	0.911	1.00	19.64	50.00	0.503	1.281	0.39
40	15:40	1.00	0.933	1.00	19.57	50.00	0.190	0.486	0.39
41	16:15	1.00	0.968	1.00	19.55	50.00	0.533	1.363	0.39
42	16:23	1.00	0.976	1.00	19.94	50.00	0.799	2.002	0.40
43	16:25	1.00	0.978	1.00	19.33	50.00	0.138	0.356	0.39
44	16:44	1.00	0.997	1.00	9.35	50.00	0.057	0.306	0.19
45	16:52	1.00	1.005	1.00	19.83	50.00	0.487	1.227	0.40
46	16:59	1.00	1.012	1.00	18.57	50.00	0.048	0.129	0.37
47	17:10	1.00	1.022	1.00	20.24	50.00	0.048	0.119	0.40
48	17:16	1.00	1.029	1.00	20.03	50.00	0.673	1.680	0.40
49	17:24	1.00	1.036	1.00	19.49	50.00	0.157	0.403	0.39
50	18:05	1.00	1.077	1.00	19.38	50.00	0.504	1.301	0.39

Quantitation Report File: STDR096

Data: STDR096.TI
04/16/87 9:26:00
Sample: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01825

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	C585 4-CHLOROPHENYL-PHENYLE	204	S3#	140	7005-72-3
53	C595 4-NITROANALINE	138	S3#	150	100-01-6
54	C610 4,6-DINITRO-2-METHYLPH	198	S4#	10	534-52-1
55	C615 N-NITROSODIPHENYLAMINE	169	S4#	15CC	87-30-6
56	AZOBENZENE	77	S4#	20	103-33-3
57	CS55 2,4,6-TRIBROMOPHENOL	330	S3#	02	118-79-6
58	C625 4-BROMOPHENYL-PHENYLET	248	S4#	30	101-55-3
59	C630 HEXACHLOROBENZENE	284	S4#	40	118-74-1
60	CI70 CHRYSENE-D12	240	IS5#	01	1719-03-5
61	C635 PENTACHLOROPHENOL	266	S4#	50	87-86-5
62	C640 PHENANTHRENE	178	S4#	65	85-01-8
63	C645 ANTHRACENE	178	S4#	70	120-12-7
64	C650 DI-N-BUTYLPHTHALATE	149	S4#	85	84-74-2
65	C655 FLUORANTHENE	202	S4#	110CC	206-44-0
66	CI75 PERYLENE-D12	164	IS6#	01	1520-96-3
67	BENZIDINE	184	S5#	10	92-81-5
68	C715 PYRENE	202	S5#	15	129-00-0
69	CS30 TERPHENYL-D14	244	S5#	02	1718-51-0
70	C720 BUTYLBENZYLPHTHALATE	149	S5#	40	85-68-7
71	C725 3,3'-DICHLOROBENZIDINE	252	S5#	55	91-94-1
72	C730 BENZO(A)ANTHRACENE	228	S5#	50	56-55-3
73	C740 CHRYSENE	228	S5#	60	218-01-9
74	C745 BIS(2-ETHYLHEXYL)PHTHA	149	S5#	65	117-81-7
75	C760 DI-N-OCTYL PHTHALATE	149	S6#	10CC	117-84-0
76	C765 BENZO(B)FLUORANTHENE	252	S6#	15	205-99-2
77	C770 BENZO(K)FLUORANTHENE	252	S6#	25	207-08-9
78	C775 BENZO(A)PYRENE	252	S6#	35	50-32-8
79	C780 INDENO(1,2,3-CD)PYRENE	276	S6#	55	193-39-5
80	C790 BENZO(G,H,I)PERYLENE	276	S6#	65	191-24-2
81	C785 DIBENZ(A,H)ANTHRACENE	278	S6#	60	53-70-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	166	1454	18:10	11	1.082	A BB	24154.	19.706	UG/ML	1.12
52	204	1455	18:11	11	1.083	A BB	9564.	19.792	UG/ML	1.12
53	138	1466	18:19	11	1.091	A BB	3492.	20.388	UG/ML	1.16
54	198	1475	18:26	36	0.895	A BB	3304.	19.111	UG/ML	1.08
55	169	1481	18:31	36	0.899	A VB	15431.	19.601	UG/ML	1.11
56	77	1488	18:36	36	0.903	A VB	31332.	18.544	UG/ML	1.05
57	330	1507	18:50	11	1.121	A BB	5137.	35.979	UG/ML	2.04
58	248	1556	19:27	36	0.944	A BB	5765.	19.835	UG/ML	1.13
59	284	1585	19:49	36	0.962	A BB	6567.	19.993	UG/ML	1.13
60	240	2209	27:37	60	1.000	A BB	35296.	40.000	UG/ML	2.27
61	266	1621	20:16	36	0.984	A BB	3184.	19.067	UG/ML	1.08
62	178	1653	20:40	36	1.003	A BV	30064.	19.518	UG/ML	1.11

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
63	178	1662	20:46	36	1.008	A VB	30493.	19.562	UG/ML	1.11
64	149	1785	22:19	36	1.083	A BB	34407.	18.708	UG/ML	1.06
65	202	1903	23:47	36	1.155	A BB	26215.	21.411	UG/ML	1.21
66	264	2303	31:17	66	1.000	A BB	26791.	40.000	UG/ML	2.27
67	184	1932	24:09	60	0.875	A BB	6170.	37.314	UG/ML	2.12
68	202	1950	24:22	60	0.883	A BB	25988.	15.675	UG/ML	0.89
69	244	1986	24:49	60	0.899	A BB	16210.	15.952	UG/ML	0.90
70	149	2099	26:14	60	0.950	A BB	13501.	17.831	UG/ML	1.01
71	252	2203	27:32	60	0.997	A BV	9299.	56.834	UG/ML	3.22
72	228	2204	27:33	60	0.998	A BV	21195.	19.519	UG/ML	1.11
73	228	2214	27:40	60	1.002	A VB	19579.	19.625	UG/ML	1.11
74	149	2228	27:51	60	1.009	A BV	20270.	18.655	UG/ML	1.06
75	149	2355	29:26	66	0.941	A BB	31009.	16.252	UG/ML	0.92
76	252	2425	30:19	66	0.969	A BV	16926.	17.273	UG/ML	0.98
77	252	2430	30:22	66	0.971	A VB	17421.	16.376	UG/ML	0.93
78	252	2490	31:07	66	0.995	A BB	15263.	19.208	UG/ML	1.09
79	276	2769	34:37	66	1.106	A BB	14504.	20.709	UG/ML	1.17
80	276	2769	34:37	66	1.106	A BB	14504.	20.938	UG/ML	1.19
81	278	2775	34:41	66	1.109	A BB	11143.	20.759	UG/ML	1.18

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:10	1.00	1.083	1.00	19.71	50.00	0.540	1.371	0.39
52	18:11	1.00	1.083	1.00	19.79	50.00	0.214	0.541	0.40
53	18:19	1.00	1.092	1.00	20.39	50.00	0.078	0.192	0.41
54	18:27	1.00	0.896	1.00	19.11	50.00	0.053	0.138	0.38
55	18:31	1.00	0.899	1.00	19.60	50.00	0.247	0.630	0.39
56	18:36	1.00	0.903	1.00	18.54	50.00	0.502	1.353	0.37
57	18:51	1.00	1.123	1.00	35.98	100.00	0.057	0.160	0.36
58	19:27	1.00	0.944	1.00	19.84	50.00	0.092	0.233	0.40
59	19:49	1.00	0.962	1.00	19.99	50.00	0.105	0.263	0.40
60	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	20:16	1.00	0.984	1.00	19.07	50.00	0.051	0.134	0.38
62	20:40	1.00	1.003	1.00	19.52	50.00	0.481	1.233	0.39
63	20:46	1.00	1.008	1.00	19.56	50.00	0.488	1.248	0.39
64	22:19	1.00	1.083	1.00	18.71	50.00	0.551	1.472	0.37
65	23:47	1.00	1.155	1.00	21.41	50.00	0.420	0.980	0.43
66	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
67	24:09	1.00	0.875	1.00	37.31	100.00	0.070	0.187	0.37
68	24:22	1.00	0.883	1.00	15.67	50.00	0.589	1.879	0.31
69	24:50	1.00	0.900	1.00	15.95	50.00	0.367	1.152	0.32
70	26:14	1.00	0.951	1.00	17.83	50.00	0.306	0.858	0.36
71	27:31	1.00	0.997	1.00	56.83	100.00	0.105	0.185	0.57
72	27:33	1.00	0.998	1.00	19.52	50.00	0.480	1.231	0.39
73	27:40	1.00	1.003	1.00	19.63	50.00	0.444	1.131	0.39
74	27:50	1.00	1.009	1.00	18.66	50.00	0.459	1.231	0.37
75	29:26	1.00	0.941	1.00	16.25	50.00	0.926	2.849	0.33
76	30:19	1.00	0.969	1.00	17.27	50.00	0.505	1.463	0.35
77	30:22	1.00	0.971	1.00	16.38	50.00	0.520	1.588	0.33
78	31:07	1.00	0.995	1.00	19.21	50.00	0.456	1.186	0.38
79	34:37	1.00	1.107	1.00	20.71	50.00	0.433	1.046	0.41
80	34:37	1.00	1.107	1.00	20.94	50.00	0.433	1.034	0.42
81	34:41	1.00	1.109	1.00	20.76	50.00	0.333	0.801	0.42

TCA FINISHED, 81 FOUND
FINISHED AT: 5/04/88 12:35:18

RMAL QUANTITATION SUMMARY FILE: STDR096
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	743	1	20748.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	983	2	75027.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1344	3	35754.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1648	4	49967.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2209	5	35296.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2503	6	26791.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	849	2	18719.	0.200	20.179
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1206	3	25589.	0.573	19.606
9	S5# 2	CS30 TERPHENYL-D14	244	1986	5	16210.	0.367	15.952
10	S1# 3	CS45 PHENOL-D6	99	687	1	42022.	0.810	37.971
11	S1# 2	CS50 2-FLUOROPHENOL	112	540	1	36463.	0.703	38.948
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1507	3	5137.	0.057	35.979
13	S1# 15	N-NITROSODIMETHYLAMINE	74		1	NOT FOUND		
14	S1#100	ANILINE	93	693	1	25805.	0.995	18.211
15	S1#105	C315 PHENOL	94	689	1	24683.	0.952	18.873
16	S1#110	C325 BIS(2-CHLOROETHYL)E	93	704	1	19505.	0.752	20.118
17	S1#115	C330 2-CHLOROPHENOL	128	711	1	16001.	0.617	19.133
18	S1#125	C335 1,3-DICHLOROBENZENE	146	737	1	17388.	0.670	19.942
19	S1#130	C340 1,4-DICHLOROBENZENE	146	746	1	18162.	0.700	19.781
20	S1#145	C345 BENZYL ALCOHOL	108	772	1	9600.	0.370	18.009
21	S1#150	C350 1,2-DICHLOROBENZENE	146	779	1	16482.	0.636	19.800
22	S1#160	C355 2-METHYLPHENOL	108	794	1	14572.	0.562	19.084
23	S1#165	C360 BIS(2-CHLOROISOPROP	45	801	1	30069.	1.159	19.812
24	S1#185	C365 4-METHYLPHENOL	108	821	1	15268.	0.589	18.894
25	S1#190	C370 N-NITROSO-DI-N-PROP	70	828	1	13765.	0.531	19.317
26	S1#200	C375 HEXACHLOROETHANE	117	835	1	6861.	0.265	19.232
27	S2# 10	C410 NITROBENZENE	77	852	2	18344.	0.196	20.420
28	S2# 20	C415 ISOPHORONE	82	898	2	33199.	0.354	19.573
29	S2# 25	C420 2-NITROPHENOL	139	913	2	8636.	0.092	20.358
30	S2# 30	C425 2,4-DIMETHYLPHENOL	107	922	2	13678.	0.146	19.750
31	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	940	2	20577.	0.219	19.589
32	S2# 40	C440 2,4-DICHLOROPHENOL	162	956	2	10041.	0.107	19.496
33	S2# 45	C430 BENZOIC ACID	122	942	2	5754.	0.061	17.771
34	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	976	2	11726.	0.125	19.961
35	S2# 60	C450 NAPHTHALENE	128	987	2	43301.	0.462	20.183
36	S2# 80	C455 4-CHLOROANALINE	127	1003	2	11857.	0.126	14.033
37	S2# 95	C460 HEXACHLOROBUTADIENE	225	1025	2	5754.	0.061	20.277
38	S2#130	C465 4-CHLORO-3-METHYLPH	107	1100	2	11573.	0.123	19.198
39	S2#145	C470 2-METHYLNAPHTHALENE	142	1126	2	24673.	0.263	19.370
40	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1173	3	5851.	0.131	19.630
41	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1189	3	6057.	0.136	18.542
42	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1195	3	6050.	0.135	18.970
43	S3# 40	C525 2-CHLORONAPHTHALENE	162	1224	3	22496.	0.503	19.642
44	S3# 45	C530 2-NITROANALINE	65	1253	3	8507.	0.190	19.565
45	S3# 55	C535 DIMETHYLPHTHALATE	163	1300	3	23816.	0.533	19.550
46	S3# 65	C540 ACENAPHTHYLENE	152	1311	3	35690.	0.799	19.943
47	S3# 70	C543 2,6-DINITROTOLUENE	165	1312	3	6156.	0.138	19.333
48	S3# 75	C545 3-NITROANILINE	138	1339	3	2555.	0.057	9.347
49	S3# 80	C550 ACENAPHTHENE	153	1350	3	21750.	0.487	19.828
50	S3# 85	C555 2,4-DINITROPHENOL	184	1359	3	2148.	0.048	18.572
51	S3# 90	C565 DIBENZOFURAN	168	1382	3	30069.	0.673	20.025
52	S3# 95	C560 4-NITROPHENOL	109	1372	3	2144.	0.048	20.237
53	S3#105	C570 2,4-DINITROTOLUENE	165	1392	3	7016.	0.157	19.493
54	S3#130	C580 DIETHYLPHTHALATE	149	1446	3	22534.	0.504	19.381
55	S3#135	C990 FLUORENE	166	1454	3	24154.	0.540	19.706
56	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1455	3	9564.	0.214	19.792
57	S3#150	C595 4-NITROANALINE	138	1466	3	3492.	0.078	20.388
58	S4# 10	C610 4,6-DINITRO-2-METHY	198	1475	4	3304.	0.053	19.111
59	S4# 15	C615 N-NITROSODIPHENYLAM	169	1481	4	15431.	0.247	19.601
60	S4# 20	AZOBENZENE	77	1488	4	31332.	0.502	18.544
61	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1556	4	5765.	0.092	19.835
62	S4# 40	C630 HEXACHLOROBENZENE	284	1585	4	6567.	0.105	19.993
63	S4# 50	C635 PENTACHLOROPHENOL	266	1621	4	3184.	0.051	19.067
64	S4# 65	C640 PHENANTHRENE	178	1653	4	30064.	0.481	19.519
65	S4# 70	C645 ANTHRACENE	178	1662	4	30493.	0.488	19.562
66	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1785	4	34407.	0.551	18.708
67	S4#110	C655 FLUORANTHENE	202	1903	4	26215.	0.420	21.411
68	S5# 10	BENZIDINE	184	1932	5	6170.	0.070	37.314
69	S5# 15	C715 PYRENE	202	1950	5	25988.	0.589	15.675
70	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2099	5	13501.	0.306	17.831
71	S5# 50	C730 BENZO(A)ANTHRACENE	228	2204	5	21195.	0.480	19.519

73	S5#	60	C740	CHRYSENE	228	2214	5	19579.	0.444	19.625
74	S5#	65	C745	BIS(2-ETHYLHEXYL)PH	149	2228	5	20270.	0.459	18.655
75	S6#	10	C760	DI-N-OCTYL PHTHALAT	149	2355	6	31009.	0.926	16.252
76	S6#	15	C765	BENZO(B)FLUORANTHEN	252	2425	6	16926.	0.505	17.273
77	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2430	6	17421.	0.520	16.376
78	S6#	35	C775	BENZO(A)PYRENE	252	2490	6	15263.	0.456	19.208
79	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2769	6	14504.	0.433	20.709
80	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2775	6	11143.	0.333	20.759
81	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2769	6	14504.	0.433	20.938

RMAL QUANTITATION SUMMARY FILE: STDR096
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	743	1	20748.	1.000	40.000
2	S2#	1	CI40 NAPHTHALENE-D8	136	983	2	75027.	1.000	40.000
3	S3#	1	CI50 ACENAPHTHENE-D10	164	1344	3	35754.	1.000	40.000
4	S4#	1	CI60 PHENANTHRENE-D10	188	1648	4	49967.	1.000	40.000
5	S5#	1	CI70 CHRYSENE-D12	240	2209	5	35296.	1.000	40.000
6	S6#	1	CI75 PERYLENE-D12	264	2503	6	26791.	1.000	40.000
7	S2#	2	CS20 NITROBENZENE-D5	82	849	2	18719.	0.200	20.179
8	S3#	3	CS25 2-FLUOROBIPHENYL	172	1206	3	25589.	0.573	19.606
9	S5#	2	CS30 TERPHENYL-D14	244	1986	5	16210.	0.367	15.952
10	S1#	3	CS45 PHENOL-D5	99	687	1	42022.	0.810	37.971
11	S1#	2	CS50 2-FLUOROPHENOL	112	540	1	36463.	0.703	38.948
12	S3#	2	CS55 2,4,6-TRIBROMOPHENO	330	1507	3	5137.	0.057	35.979
13	S1#	15	N-NITROSODIMETHYLAMINE	74	362	1	14477.	0.558	21.303
14	S1#	100	ANILINE	93	693	1	25805.	0.995	18.211
15	S1#	105	C315 PHENOL	94	689	1	24683.	0.952	18.873
16	S1#	110	C325 BIS(2-CHLOROETHYL)E	93	704	1	19505.	0.752	20.118
17	S1#	115	C330 2-CHLOROPHENOL	128	711	1	16001.	0.617	19.133
18	S1#	125	C335 1,3-DICHLOROBENZENE	146	737	1	17388.	0.670	19.942
19	S1#	130	C340 1,4-DICHLOROBENZENE	146	746	1	18162.	0.700	19.781
20	S1#	145	C345 BENZYL ALCOHOL	108	772	1	9600.	0.370	18.009
21	S1#	150	C350 1,2-DICHLOROBENZENE	146	779	1	16482.	0.636	19.800
22	S1#	160	C355 2-METHYLPHENOL	108	794	1	14572.	0.562	19.084
23	S1#	165	C360 BIS(2-CHLOROISOPROP	45	801	1	30069.	1.159	19.812
24	S1#	185	C365 4-METHYLPHENOL	108	821	1	15268.	0.589	18.894
25	S1#	190	C370 N-NITROSO-DI-N-PROP	70	828	1	13765.	0.531	19.317
26	S1#	200	C375 HEXACHLOROETHANE	117	835	1	6861.	0.265	19.232
27	S2#	10	C410 NITROBENZENE	77	852	2	18344.	0.196	20.420
28	S2#	20	C415 ISOPHORONE	82	898	2	33199.	0.354	19.573
29	S2#	25	C420 2-NITROPHENOL	139	913	2	8636.	0.092	20.358
30	S2#	30	C425 2,4-DIMETHYLPHENOL	107	922	2	13678.	0.146	19.750
31	S2#	35	C435 BIS(2-CHLOROETHOXY)	93	943	2	20577.	0.219	19.589
32	S2#	40	C440 2,4-DICHLOROPHENOL	162	958	2	10041.	0.107	19.496
33	S2#	45	C430 BENZOIC ACID	122	942	2	5754.	0.061	17.771
34	S2#	55	C445 1,2,4-TRICHLOROBENZ	180	976	2	11726.	0.125	19.961
35	S2#	60	C450 NAPHTHALENE	128	987	2	43301.	0.462	20.183
36	S2#	80	C455 4-CHLOROANALINE	127	1003	2	11857.	0.126	14.033
37	S2#	95	C460 HEXACHLOROBUTADIENE	225	1025	2	5754.	0.061	20.277
38	S2#	130	C465 4-CHLORO-3-METHYLPH	107	1100	2	11573.	0.123	19.198
39	S2#	145	C470 2-METHYLNAPHTHALENE	142	1126	2	24673.	0.263	19.370
40	S3#	20	C510 HEXACHLOROCYCLOPENT	237	1173	3	5851.	0.131	19.630
41	S3#	25	C515 2,4,6-TRICHLOROPHEN	196	1189	3	6057.	0.136	18.542
42	S3#	30	C520 2,4,5-TRICHLOROPHEN	196	1195	3	6050.	0.135	18.970
43	S3#	40	C525 2-CHLORONAPHTHALENE	162	1224	3	22496.	0.503	19.642
44	S3#	45	C530 2-NITROANALINE	65	1253	3	8507.	0.190	19.565
45	S3#	55	C535 DIMETHYLPHTHALATE	163	1300	3	23816.	0.533	19.550
46	S3#	65	C540 ACENAPHTHYLENE	152	1311	3	35690.	0.799	19.943
47	S3#	70	C543 2,6-DINITROTOLUENE	165	1312	3	6156.	0.138	19.333
48	S3#	75	C545 3-NITROANILINE	138	1339	3	2555.	0.057	9.347
49	S3#	75	C545 3-NITROANILINE	138	1339	3	4704.	0.105	17.211
50	S3#	85	C555 2,4-DINITROPHENOL	184	1359	3	2148.	0.048	18.572
51	S3#	90	C565 DIBENZOFURAN	168	1382	3	30069.	0.673	20.025
52	S3#	95	C560 4-NITROPHENOL	109	1372	3	2144.	0.048	20.237
53	S3#	105	C570 2,4-DINITROTOLUENE	165	1392	3	7016.	0.157	19.493
54	S3#	130	C580 DIETHYLPHTHALATE	149	1446	3	22534.	0.504	19.381
55	S3#	135	C590 FLUORENE	166	1454	3	24154.	0.540	19.706
56	S3#	140	C585 4-CHLOROPHENYL-PHEN	204	1455	3	9564.	0.214	19.792
57	S3#	150	C595 4-NITROANALINE	138	1466	3	3492.	0.078	20.388
58	S4#	10	C610 4,6-DINITRO-2-METHY	198	1475	4	3304.	0.053	19.111
59	S4#	15	C615 N-NITROSODIPHENYLAM	169	1481	4	15431.	0.247	19.601
60	S4#	20	AZOBENZENE	77	1488	4	31332.	0.502	18.544
61	S4#	30	C625 4-BROMOPHENYL-PHENY	248	1556	4	5765.	0.092	19.835
62	S4#	40	C630 HEXACHLOROBENZENE	284	1585	4	6567.	0.105	19.993
63	S4#	50	C635 PENTACHLOROPHENOL	266	1621	4	3184.	0.051	19.067
64	S4#	65	C640 PHENANTHRENE	178	1653	4	30064.	0.481	19.519
65	S4#	70	C645 ANTHRACENE	178	1662	4	30493.	0.488	19.562
66	S4#	85	C650 DI-N-BUTYLPHTHALATE	149	1785	4	34407.	0.551	18.708
67	S4#	110	C655 FLUORANTHENE	202	1903	4	26215.	0.420	21.411
68	S5#	10	BENZIDINE	184	1932	5	6170.	0.070	37.314
69	S5#	15	C715 PYRENE	202	1950	5	25988.	0.589	15.675
70	S5#	40	C720 BUTYLBENZYLPHTHALAT	149	2099	5	13501.	0.306	17.831
71	S5#	50	C730 BENZO(A)ANTHRACENE	228	2204	5	21195.	0.480	19.519
72	S5#	55	C725 3,3'-DICHLOROBENZID	252	2203	5	9299.	0.105	56.834
73	S5#	60	C740 CHRYSENE	228	2214	5	19579.	0.444	19.625

75	S6#	10	C760	DI-N-OCTYL PHTHALAT	149	2355	6	31009.	0.926	16.252
76	S6#	15	C765	BENZO(B)FLUORANTHEN	252	2425	6	16926.	0.505	17.273
77	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2430	6	17421.	0.520	16.376
78	S6#	35	C775	BENZO(A)PYRENE	252	2490	6	15263.	0.456	19.208
79	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2769	6	14504.	0.433	20.709
80	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2775	6	11143.	0.333	20.759
81	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2769	6	14504.	0.433	20.938

Quantitation Report File: STDR096

Data: STDR096.TI
04/16/87 9:26:00
Sample: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01831

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	ANILINE		93	S1#	100	62-53-3
14	C315	PHENOL	94	S1#	105CC	108-95-2
15	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#	110	111-44-4
16	C330	2-CHLOROPHENOL	128	S2#	115	95-57-8
17	C335	1,3-DICHLOROBENZENE	146	S1#	125	541-73-1
18	C340	1,4-DICHLOROBENZENE	146	S1#	130CC	106-46-7
19	C345	BENZYL ALCOHOL	108	S1#	145	100-51-6
20	C350	1,2-DICHLOROBENZENE	146	S1#	150	95-50-1
21	C355	2-METHYLPHENOL	108	S1#	160	95-48-7
22	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#	165	108-60-1
23	C365	4-METHYLPHENOL	108	S1#	185	106-44-5
24	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#	190SP	621-64-7
25	C375	HEXACHLOROETHANE	117	S1#	200	67-72-1
26	C410	NITROBENZENE	77	S2#	10	98-95-3
27	C415	ISOPHORONE	82	S2#	20	75-59-1
28	C420	2-NITROPHENOL	139	S2#	25CC	88-75-5
29	C425	2,4-DIMETHYLPHENOL	107	S2#	30	105-67-9
30	C435	BIS(2-CHLOROETHOXY)METH	93	S2#	35	111-91-1
31	C440	2,4-DICHLOROPHENOL	162	S2#	40	120-83-2
32	C430	BENZOIC ACID	122	S2#	45	65-85-0
33	C445	1,2,4-TRICHLOROBENZENE	180	S2#	55	120-82-1
34	C450	NAPHTHALENE	128	S2#	60	91-20-3
35	C455	4-CHLOROANALINE	127	S2#	80	106-47-8
36	C460	HEXACHLOROBUTADIENE	225	S2#	95CC	87-68-3
37	C465	4-CHLORO-3-METHYLPHENO	107	S2#	130CC	59-50-7
38	C470	2-METHYLNAPHTHALENE	142	S2#	145	91-57-6
39	C510	HEXACHLOROCYCLOPENTADI	237	S3#	20	77-47-4
40	C515	2,4,6-TRICHLOROPHENOL	196	S3#	25CC	88-06-2
41	C520	2,4,5-TRICHLOROPHENOL	196	S3#	30	95-95-4
42	C525	2-CHLORONAPHTHALENE	162	S3#	40	91-58-7
43	C530	2-NITROANALINE	65	S3#	45	88-74-4
44	C535	DIMETHYLPHTHALATE	163	S3#	55	131-11-3
45	C540	ACENAPHTHYLENE	152	S3#	65	208-96-8
46	C543	2,6-DINITROTOLUENE	165	S3#	70	606-20-2
47	C545	3-NITROANILINE	138	S3#	75	99-09-2

No	Name					
48	C555	2,4-DINITROPHENOL	184	S3#	858P	51-28-5
49	C565	DIBENZOFURAN	168	S3#	90	132-64-9
50	C560	4-NITROPHENOL	109	S3#	958P	100-02-7

01832

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	743	9:17	1	1.000	A BB	20748.	40.000	UG/ML	2.24
2	136	983	12:17	2	1.000	A BV	75027.	40.000	UG/ML	2.24
3	164	1344	16:48	3	1.000	A BB	35754.	40.000	UG/ML	2.24
4	188	1648	20:36	4	1.000	A BV	49967.	40.000	UG/ML	2.24
5	240	2209	27:37	5	1.000	A BB	35296.	40.000	UG/ML	2.24
6	264	2503	31:17	6	1.000	A BB	26791.	40.000	UG/ML	2.24
7	82	849	10:37	2	0.864	A BB	18719.	20.179	UG/ML	1.13
8	172	1206	15:04	3	0.897	A BB	25589.	19.606	UG/ML	1.10
9	244	1986	24:49	5	0.899	A BB	16210.	15.952	UG/ML	0.90
10	99	687	8:35	1	0.925	A BB	42022.	37.971	UG/ML	2.13
11	112	540	6:45	1	0.727	A BB	36463.	38.948	UG/ML	2.19
12	330	1507	18:50	3	1.121	A BB	5137.	35.979	UG/ML	2.02
13	93	693	8:40	1	0.933	A BV	25805.	18.211	UG/ML	1.02
14	94	689	8:37	1	0.927	A BV	24683.	18.873	UG/ML	1.06
15	93	704	8:48	1	0.948	A VB	19505.	20.118	UG/ML	1.13
16	128	711	8:53	1	0.957	A BB	16001.	19.133	UG/ML	1.07
17	146	737	9:13	1	0.992	A BV	17388.	19.942	UG/ML	1.12
18	146	746	9:19	1	1.004	A VB	18162.	19.781	UG/ML	1.11
19	108	772	9:39	1	1.039	A BB	9600.	18.009	UG/ML	1.01
20	146	779	9:44	1	1.048	A BB	16482.	19.800	UG/ML	1.11
21	108	794	9:55	1	1.069	A BV	14572.	19.084	UG/ML	1.07
22	45	801	10:01	1	1.078	A BB	30069.	19.812	UG/ML	1.11
23	108	821	10:16	1	1.105	A BB	15268.	18.894	UG/ML	1.06
24	70	828	10:21	1	1.114	A BB	13765.	19.317	UG/ML	1.08
25	117	835	10:26	1	1.124	A BB	6861.	19.232	UG/ML	1.08
26	77	852	10:39	2	0.867	A BV	18344.	20.420	UG/ML	1.15
27	82	898	11:13	2	0.914	A BB	33199.	19.573	UG/ML	1.10
28	139	913	11:25	2	0.929	A BV	8636.	20.358	UG/ML	1.14
29	107	922	11:31	2	0.938	A BB	13678.	19.750	UG/ML	1.11
30	93	943	11:47	2	0.959	A BB	20577.	19.589	UG/ML	1.10
31	162	958	11:58	2	0.975	A BB	10041.	19.496	UG/ML	1.09
32	122	942	11:46	2	0.958	A BB	5754.	17.771	UG/ML	1.00
33	180	976	12:12	2	0.993	A BB	11726.	19.961	UG/ML	1.12
34	128	987	12:20	2	1.004	A BB	43301.	20.183	UG/ML	1.13
35	127	1003	12:32	2	1.020	A BB	11857.	14.033	UG/ML	0.79
36	225	1025	12:49	2	1.043	A BB	5754.	20.276	UG/ML	1.14
37	107	1100	13:45	2	1.119	A BB	11573.	19.198	UG/ML	1.08
38	142	1126	14:04	2	1.145	A BB	24673.	19.370	UG/ML	1.09
39	237	1173	14:40	3	0.873	A BB	5851.	19.630	UG/ML	1.10
40	196	1189	14:52	3	0.885	A BV	6057.	18.542	UG/ML	1.04
41	196	1195	14:56	3	0.889	A VB	6050.	18.970	UG/ML	1.06
42	162	1224	15:18	3	0.911	A BB	22496.	19.642	UG/ML	1.10
43	65	1253	15:40	3	0.932	A BB	8507.	19.565	UG/ML	1.10
44	163	1300	16:15	3	0.967	A BB	23816.	19.550	UG/ML	1.10
45	152	1311	16:23	3	0.975	A BB	35690.	19.943	UG/ML	1.12
46	165	1312	16:24	3	0.976	A BB	6156.	19.333	UG/ML	1.09
47	138	1339	16:44	3	0.996	A BV	2555.	9.347	UG/ML	0.52
48	184	1359	16:59	3	1.011	A BB	2148.	18.572	UG/ML	1.04
49	168	1382	17:16	3	1.028	A BB	30069.	20.025	UG/ML	1.12
50	109	1372	17:09	3	1.021	A BB	2144.	20.237	UG/ML	1.14

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:37	1.00	0.864	1.00	20.18	50.00	0.200	0.495	0.40
8	15:04	1.00	0.898	1.00	19.61	50.00	0.573	1.460	0.39
9	24:50	1.00	0.900	1.00	15.95	50.00	0.367	1.152	0.32
10	8:36	1.00	0.927	1.00	37.97	100.00	0.810	2.134	0.38
11	6:45	1.00	0.728	1.00	38.95	100.00	0.703	1.805	0.39
12	18:51	1.00	1.123	1.00	35.98	100.00	0.057	0.160	0.36
13	8:40	1.00	0.934	1.00	18.21	50.00	0.995	2.732	0.36
14	8:37	1.00	0.930	1.00	18.87	50.00	0.952	2.521	0.38
15	8:48	1.00	0.949	1.00	20.12	50.00	0.752	1.869	0.40
16	8:53	1.00	0.958	1.00	19.13	50.00	0.617	1.612	0.38
17	9:12	1.00	0.992	1.00	19.94	50.00	0.670	1.681	0.40
18	9:19	1.00	1.004	1.00	19.78	50.00	0.700	1.770	0.40
19	9:39	1.00	1.040	1.00	18.01	50.00	0.370	1.028	0.36
20	9:44	1.00	1.050	1.00	19.80	50.00	0.636	1.605	0.40
21	9:55	1.00	1.070	1.00	19.08	50.00	0.562	1.472	0.38
22	10:01	1.00	1.080	1.00	19.81	50.00	1.159	2.926	0.40
23	10:16	1.00	1.108	1.00	18.89	50.00	0.589	1.558	0.38
24	10:22	1.00	1.117	1.00	19.32	50.00	0.531	1.374	0.39
25	10:26	1.00	1.125	1.00	19.23	50.00	0.265	0.688	0.38
26	10:40	1.00	0.868	1.00	20.42	50.00	0.196	0.479	0.41
27	11:14	1.00	0.915	1.00	19.57	50.00	0.354	0.904	0.39
28	11:25	1.00	0.929	1.00	20.36	50.00	0.092	0.226	0.41
29	11:31	1.00	0.938	1.00	19.75	50.00	0.146	0.369	0.40
30	11:47	1.00	0.959	1.00	19.59	50.00	0.219	0.560	0.39
31	11:58	1.00	0.975	1.00	19.50	50.00	0.107	0.275	0.39
32	11:51	0.99	0.964	0.99	17.77	50.00	0.061	0.173	0.36
33	12:11	1.00	0.992	1.00	19.96	50.00	0.125	0.313	0.40
34	12:20	1.00	1.004	1.00	20.18	50.00	0.462	1.144	0.40
35	12:31	1.00	1.019	1.00	14.03	50.00	0.126	0.450	0.28
36	12:48	1.00	1.042	1.00	20.28	50.00	0.061	0.151	0.41
37	13:45	1.00	1.119	1.00	19.20	50.00	0.123	0.321	0.38
38	14:04	1.00	1.144	1.00	19.37	50.00	0.263	0.679	0.39
39	14:39	1.00	0.873	1.00	19.63	50.00	0.131	0.333	0.39
40	14:51	1.00	0.885	1.00	18.54	50.00	0.136	0.365	0.37
41	14:56	1.00	0.890	1.00	18.97	50.00	0.135	0.357	0.38
42	15:18	1.00	0.911	1.00	19.64	50.00	0.503	1.281	0.39
43	15:40	1.00	0.933	1.00	19.57	50.00	0.190	0.486	0.39
44	16:15	1.00	0.968	1.00	19.55	50.00	0.533	1.363	0.39
45	16:23	1.00	0.976	1.00	19.94	50.00	0.799	2.002	0.40
46	16:25	1.00	0.978	1.00	19.33	50.00	0.138	0.356	0.39
47	16:44	1.00	0.997	1.00	9.35	50.00	0.057	0.306	0.19
48	16:59	1.00	1.012	1.00	18.57	50.00	0.048	0.129	0.37
49	17:16	1.00	1.029	1.00	20.03	50.00	0.673	1.680	0.40
50	17:10	1.00	1.022	1.00	20.24	50.00	0.048	0.119	0.40

Quantitation Report File: STDR096

01834

Data: STDR096.TI
04/16/87 9:26:00
Sample: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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# 15	CC	87-30-6
58	AZOBENZENE	77	S4# 20		103-33-3
59	C625 4-BROMOPHENYL-PHENYLET	248	S4# 30		101-55-3
60	C630 HEXACHLOROBENZENE	284	S4# 40		118-74-1
61	C635 PENTACHLOROPHENOL	266	S4# 50		87-86-5
62	C640 PHENANTHRENE	178	S4# 65		85-01-8
63	C645 ANTHRACENE	178	S4# 70		120-12-7
64	C650 DI-N-BUTYLPHTHALATE	149	S4# 85		84-74-2
65	C655 FLUORANTHENE	202	S4# 110	CC	206-44-0
66	BENZIDINE	184	S5# 10		92-81-5
67	C715 PYRENE	202	S5# 15		129-00-0
68	C720 BUTYLBENZYLPHTHALATE	149	S5# 40		85-68-7
69	C730 BENZO(A)ANTHRACENE	228	S5# 50		56-55-3
70	C725 3,3'-DICHLOROBENZIDINE	252	S5# 55		91-94-1
71	C740 CHRYSENE	228	S5# 60		218-01-9
72	C745 BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65		117-81-7
73	C760 DI-N-OCTYL PHTHALATE	149	S6# 10	CC	117-84-0
74	C765 BENZO(B)FLUORANTHENE	252	S6# 15		205-99-2
75	C770 BENZO(K)FLUORANTHENE	252	S6# 25		207-08-9
76	C775 BENZO(A)PYRENE	252	S6# 35		50-32-8
77	C780 INDENO(1,2,3-CD)PYRENE	276	S6# 55		193-39-5
78	C785 DIBENZ(A,H)ANTHRACENE	278	S6# 60		53-70-3
79	C790 BENZO(G,H,I)PERYLENE	276	S6# 65		191-24-2
80	C545 3-NITROANILINE	138	S3# 75		99-09-2
81	N-NITROSODIMETHYLAMINE	74	S1# 15		62-75-9

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	165	1392	17:24	3	1.036	A BB	7016.	19.493	UG/ML	1.09
52	149	1446	18:04	3	1.076	A BV	22534.	19.381	UG/ML	1.09
53	166	1454	18:10	3	1.082	A BB	24154.	19.706	UG/ML	1.11
54	204	1455	18:11	3	1.083	A BB	9564.	19.792	UG/ML	1.11
55	138	1466	18:19	3	1.091	A BB	3492.	20.388	UG/ML	1.14
56	198	1475	18:26	4	0.895	A BB	3304.	19.111	UG/ML	1.07
57	169	1481	18:31	4	0.899	A VB	15431.	19.601	UG/ML	1.10
58	77	1488	18:36	4	0.903	A VB	31332.	18.544	UG/ML	1.04
59	248	1556	19:27	4	0.944	A BB	5765.	19.835	UG/ML	1.11
60	284	1585	19:49	4	0.962	A BB	6567.	19.993	UG/ML	1.12
61	266	1621	20:16	4	0.984	A BB	3184.	19.067	UG/ML	1.07
62	178	1653	20:40	4	1.003	A BV	30064.	19.518	UG/ML	1.10

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
63	178	1662	20:46	4	1.008	A VB	30493.	19.562	UG/ML	1.10
64	149	1785	22:19	4	1.083	A BB	34407.	18.708	UG/ML	1.05
65	202	1903	23:47	4	1.155	A BB	26215.	21.411	UG/ML	1.20
66	184	1932	24:09	5	0.875	A BB	6170.	37.314	UG/ML	2.09
67	202	1950	24:22	5	0.883	A BB	25988.	15.675	UG/ML	0.88
68	149	2099	26:14	5	0.950	A BB	13501.	17.831	UG/ML	1.00
69	228	2204	27:33	5	0.998	A BV	21195.	19.519	UG/ML	1.10
70	252	2203	27:32	5	0.997	A BV	9299.	56.834	UG/ML	3.19
71	228	2214	27:40	5	1.002	A VB	19579.	19.625	UG/ML	1.10
72	149	2228	27:51	5	1.009	A BV	20270.	18.655	UG/ML	1.05
73	149	2355	29:26	6	0.941	A BB	31009.	16.252	UG/ML	0.91
74	252	2425	30:19	6	0.969	A BV	16926.	17.273	UG/ML	0.97
75	252	2430	30:22	6	0.971	A VB	17421.	16.376	UG/ML	0.92
76	252	2490	31:07	6	0.995	A BB	15263.	19.208	UG/ML	1.08
77	276	2769	34:37	6	1.106	A BB	14504.	20.709	UG/ML	1.16
78	278	2775	34:41	6	1.109	A BB	11143.	20.759	UG/ML	1.17
79	276	2769	34:37	6	1.106	A BB	14504.	20.938	UG/ML	1.18
80	138	1339	16:44	3	0.996	M XX	4704.	17.211	UG/ML	0.97
81	74	362	4:31	1	0.487	M XX	14477.	21.303	UG/ML	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:24	1.00	1.036	1.00	19.49	50.00	0.157	0.403	0.39
52	18:05	1.00	1.077	1.00	19.38	50.00	0.504	1.301	0.39
53	18:10	1.00	1.083	1.00	19.71	50.00	0.540	1.371	0.39
54	18:11	1.00	1.083	1.00	19.79	50.00	0.214	0.541	0.40
55	18:19	1.00	1.092	1.00	20.39	50.00	0.078	0.192	0.41
56	18:27	1.00	0.896	1.00	19.11	50.00	0.053	0.138	0.38
57	18:31	1.00	0.899	1.00	19.60	50.00	0.247	0.630	0.39
58	18:36	1.00	0.903	1.00	18.54	50.00	0.502	1.353	0.37
59	19:27	1.00	0.944	1.00	19.84	50.00	0.092	0.233	0.40
60	19:49	1.00	0.962	1.00	19.99	50.00	0.105	0.263	0.40
61	20:16	1.00	0.984	1.00	19.07	50.00	0.051	0.134	0.38
62	20:40	1.00	1.003	1.00	19.52	50.00	0.481	1.233	0.39
63	20:46	1.00	1.008	1.00	19.56	50.00	0.488	1.248	0.39
64	22:19	1.00	1.083	1.00	18.71	50.00	0.551	1.472	0.37
65	23:47	1.00	1.155	1.00	21.41	50.00	0.420	0.980	0.43
66	24:09	1.00	0.875	1.00	37.31	100.00	0.070	0.187	0.37
67	24:22	1.00	0.883	1.00	15.67	50.00	0.589	1.879	0.31
68	26:14	1.00	0.951	1.00	17.83	50.00	0.306	0.858	0.36
69	27:33	1.00	0.998	1.00	19.52	50.00	0.480	1.231	0.39
70	27:31	1.00	0.997	1.00	56.83	100.00	0.105	0.185	0.57
71	27:40	1.00	1.003	1.00	19.63	50.00	0.444	1.131	0.39
72	27:50	1.00	1.009	1.00	18.66	50.00	0.459	1.231	0.37
73	29:26	1.00	0.941	1.00	16.25	50.00	0.926	2.849	0.33
74	30:19	1.00	0.969	1.00	17.27	50.00	0.505	1.463	0.35
75	30:22	1.00	0.971	1.00	16.38	50.00	0.520	1.588	0.33
76	31:07	1.00	0.995	1.00	19.21	50.00	0.456	1.186	0.38
77	34:37	1.00	1.107	1.00	20.71	50.00	0.433	1.046	0.41
78	34:41	1.00	1.109	1.00	20.76	50.00	0.333	0.801	0.42
79	34:37	1.00	1.107	1.00	20.94	50.00	0.433	1.034	0.42
80	16:44	1.00	0.997	1.00	17.21	50.00	0.105	0.306	0.34
81	4:31	1.00	0.487	1.00	21.30	50.00	0.558	1.310	0.43

4/16/87 8:34:26 SCAN 1 OF 2900
Acquisition started

01836

Acquire Run 2:STDR095 ACQUIRING
04/16/87 8:34:00 + 0:11 Free sectors: 8632 Scan: 15 of 2900
Sample: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No:

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

Loaded GC Desc:SK Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:SK GC elapsed time : 0:15 min Int. oven : 250 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			

********** 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	

4/16/87 9:10:43
ACQUISITION COMPLETED
SCANS 1 TO 2900 Centroid

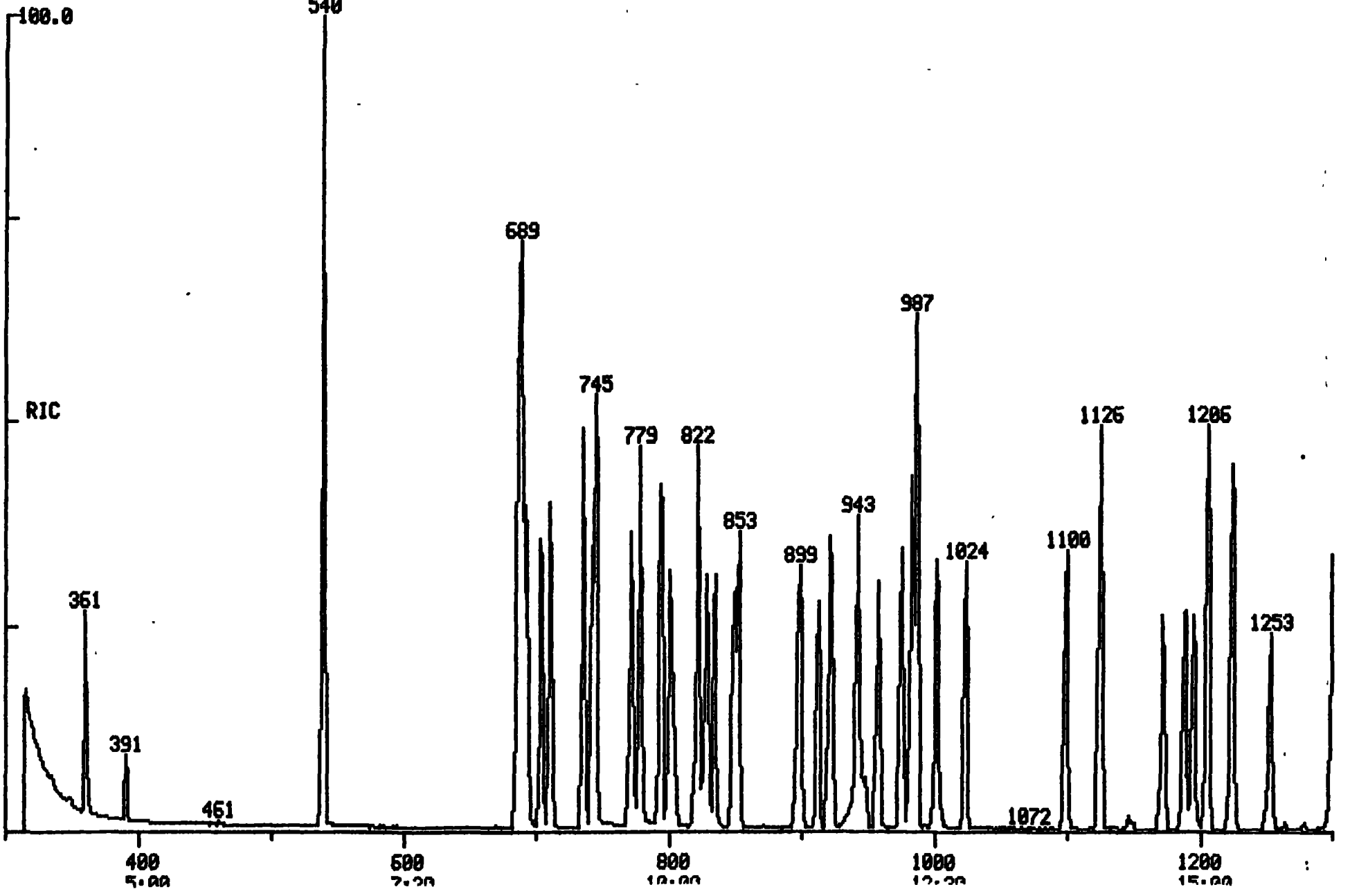
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2900	494.2	2175.0	22.7	104512. 36.	48.

01837

RIC
04/16/87 8:34:00
SAMPLE: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDR095 #4
CALI: 050288CR #7

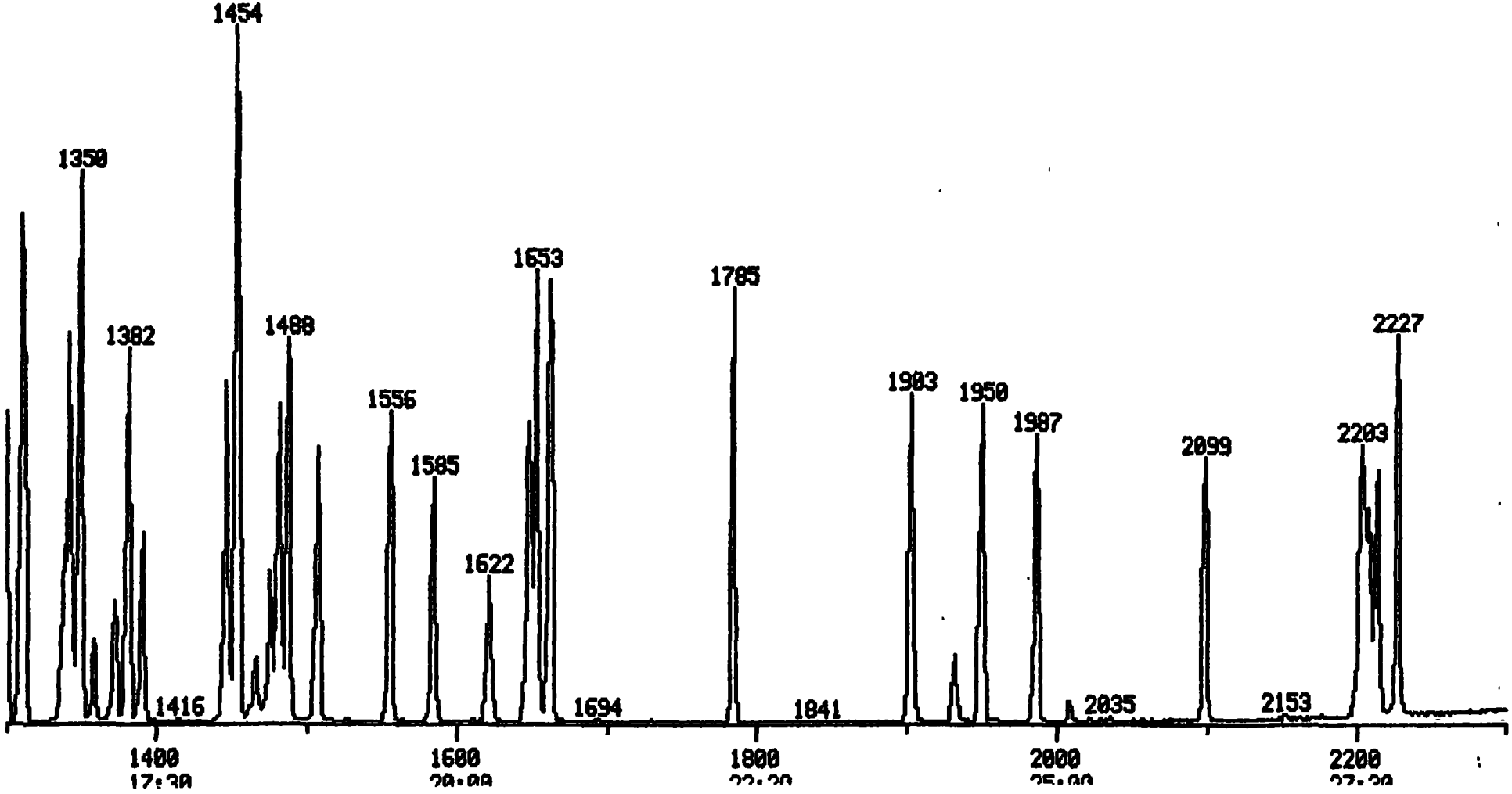
SCANS 300 TO 1300
OUT OF 300 TO 2900



01838

RIC DATA: STDR095 #4 SCANS 1300 TO 2300
04/16/87 8:34:00 CALI: 050288CR #7 OUT OF 300 TO 2900
SAMPLE: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

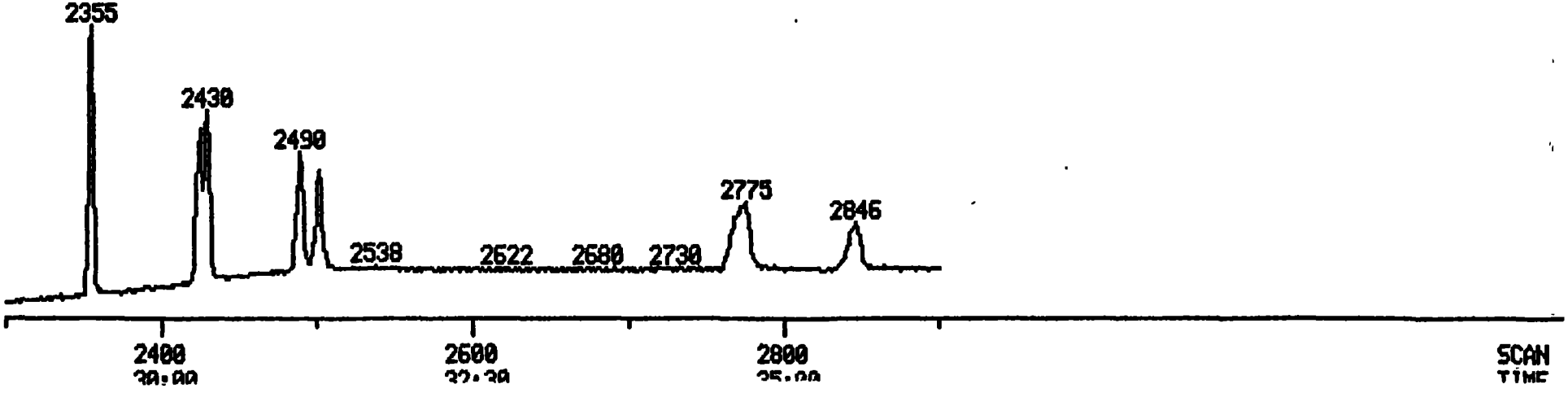
100.0



01839

RIC DATA: STDR095 #4 SCANS 2300 TO 2900
04/16/87 8:34:00 CALI: 050288CR #7 OUT OF 300 TO 2900
SAMPLE: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 133376.



PROCEDURE: TCA DIAGNOSTIC REPORT 5/04/88 11:55:45
DATA FILE: STDR095
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

01840

STANDARDS PROC	USED	POSS	RMS	PLUS UNKNOWNS PROC	USED	POSS	RMS	LIST NAMES - STANDARD/UNKNOWN
1	1	2	0	7	7	2	372	ISO1/TCO1
3	3	1	0	18	18	1	354	ISO2/TCO2
3	3	1	0	12	10	2	246	ISO3/TCO3
3	3	1	0	18	16	1	243	ISO4/TCO4
3	3	1	0	10	9	1	272	ISO5/TCO5
3	3	1	0	8	8	2	277	ISO6/TCO6
3	3	1	0	14	14	2	274	ISO7/TCO7
1	1	1	0	4	1	1	0	ISO8/TCO8

77 COMPOUNDS PROCESSED, 69 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	PRED	SEL	DELTA	PEAKS	SAT FIT	PEAKS	CHRO M/Z	TOP	DELTA	PEAKS
1	S1	1	-741	742	742	.	2	964	.	152	742	.	1
2	S1	2	-536	538	540	2	2	992	.	112	540	.	1
3	S1	3	-694	693	688	-5	1	966	.	99	688	.	1
4	S1	105	-696	695	690	-5	1	985	.	94	690	.	1
5	S1	110	-705	703	704	1	1	975	.	93	704	.	1
6	S1	115	-712	710	711	1	1	989	.	128	711	.	1
7	S1	125	-735	733	736	3	1	994	.	146	736	.	1
8	S2	1	-982	983	983	.	1	996	.	136	983	.	1
9	S3	1	-1342	1343	1343	.	1	987	.	164	1343	.	1
10	S1	130	-745	743	745	2	1	994	.	146	745	.	1
11	S1	145	-776	774	772	-2	1	1000	.	108	772	.	1
12	S1	150	-779	777	779	2	1	997	.	146	779	.	1
13	S1	160	-802	800	794	-6	1	978	.	108	794	.	1
14	S1	165	-804	802	801	-1	1	970	.	45	801	.	1
15	S1	185	-831	829	822	-7	1	996	.	108	822	.	1
16	S1	190	-833	831	829	-2	1	999	.	70	829	.	1
17	S1	200	-837	835	835	.	1	991	.	117	835	.	1
18	S2	2	-846	844	849	5	1	1000	.	82	849	.	1
19	S2	10	-850	848	853	5	1	1000	.	77	853	.	1
20	S2	20	-897	896	899	3	1	977	.	82	899	.	1
21	S2	25	-911	910	913	3	1	993	.	139	913	.	1
22	S2	30	-926	925	922	-3	1	996	.	107	922	.	1
23	S2	35	-944	943	943	.	1	997	.	93	943	.	1
24	S2	40	-961	960	958	-2	1	997	.	162	958	.	1
25	S2	45	-965	965	.	.	.	.	.	122	.	.	.
26	S2	55	-975	975	975	.	1	993	.	180	975	.	1
27	S2	60	-987	987	987	.	1	998	.	128	987	.	1
28	S2	80	-1005	1005	1002	-3	1	991	.	127	1002	.	1
29	S2	95	-1026	1026	1024	-2	1	1000	.	225	1024	.	1
30	S2	130	-1110	1110	.	.	.	.	.	107	1112	.	1
31	S2	145	-1130	1130	1125	-5	1	992	.	142	1125	.	1
32	S3	20	-1169	1169	1172	3	1	995	.	237	1172	.	1
33	S3	25	-1188	1188	1188	.	2	993	.	196	1188	.	1
34	S4	1	-1647	1648	1648	.	1	985	.	188	1648	.	1
35	S3	30	-1197	1196	1195	-1	1	993	.	196	1195	.	1
36	S3	3	-1204	1203	1206	3	1	996	.	172	1206	.	1
37	S3	40	-1222	1221	1224	3	1	995	.	162	1224	.	1
38	S3	45	-1254	1253	1253	.	1	1000	.	65	1253	.	1
39	S3	55	-1303	1302	1300	-2	1	973	.	163	1300	.	1
40	S3	65	-1310	1309	1311	2	1	998	.	152	1311	.	1
41	S3	70	-1316	1315	1313	-2	1	997	.	165	1313	.	1
42	S3	75	-1343	1342	1339	-3	1	996	.	138	1339	.	1
43	S3	80	-1350	1349	1350	1	1	988	.	153	1350	.	1
44	S3	85	-1364	1363	1359	-4	1	991	.	184	1359	.	1
45	S3	90	-1383	1382	1382	.	1	961	.	168	1382	.	1
46	S3	95	-1387	1386	.	.	.	.	.	109	.	.	.
47	S3	105	-1397	1395	1392	-3	1	998	.	165	1392	.	1
48	S3	130	-1454	1452	.	.	.	.	.	149	.	.	.
49	S3	135	-1457	1455	1454	-1	1	995	.	166	1454	.	1
50	S3	140	-1460	1459	1455	-4	1	975	.	204	1455	.	1
51	S3	150	-1477	1476	.	.	.	.	.	138	.	.	.
52	S4	10	-1478	1477	1476	-1	1	982	.	198	1476	.	1
53	S4	15	-1483	1482	1482	.	1	983	.	169	1482	.	1
54	S3	2	-1513	1512	1508	-4	1	992	.	330	1508	.	1
55	S4	30	-1555	1554	1556	2	1	920	.	248	1556	.	1
56	S4	40	-1584	1583	1585	2	1	992	.	284	1585	.	1
57	S3	1	-2207	2208	2208	.	1	959	.	240	2208	.	1
58	S4	50	-1624	1623	1622	-1	1	994	.	266	1622	.	1
59	S4	65	-1653	1652	1653	1	2	960	.	178	1653	.	1
60	S4	70	-1663	1662	1662	.	1	947	.	178	1662	.	1
61	S4	85	-1791	1790	1785	-5	1	938	.	149	1785	.	1
62	S4	110	-1907	1905	1903	-2	1	981	.	202	1903	.	1
63	S4	1	-2501	2502	2502	.	1	982	.	264	2502	.	1

64	85	15	-1947	1948	1950	2	1	995	.			.	
65	85	2	-1985	1986	1987	1	1	976	.	244	1987	.	1
66	85	40	-2099	2099	2099	.	1	991	.	149	2099	.	1
67	85	50	-2202	2201	2204	3	1	995	.	228	2204	.	1
68	85	55	-2205	2204	2203	-1	1	977	.	252	2202	-1	1
69	85	60	-2214	2213	2214	1	1	992	.	228	2214	.	1
70	85	65	-2226	2225	2227	2	1	992	.	149	2227	.	1
71	86	10	-2361	2359	2355	-4	1	997	.	149	2355	.	1
72	86	15	-2432	2430	2430	.	2	991	.	252	2430	.	1
73	86	25	-2438	2436	2430	-6	1	995	.	252	2430	.	1
74	86	35	-2492	2489	2490	1	1	992	.	252	2490	.	1
75	86	55	-2726	2727	.	.	.	.	.	276	.	.	.
76	86	60	-2730	2731	.	.	.	.	.	278	.	.	.
77	86	65	-2791	2792	.	.	.	.	.	276	.	.	.

01841

uantitation Report File: STDR095

01842

)ata: STDR095.TI
)4/16/87 8:34:00
Sample: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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	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	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	C565	DIBENZOFURAN	168 S3# 90	132-64-9
46	C560	4-NITROPHENOL	109 S3# 95SP	100-02-7
47	C570	2,4-DINITROTOLUENE	165 S3#105	121-14-2

01843

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	742	9:16	1	1.000	A BB	19109.	40.000	UG/ML	1.14
2	112	540	6:45	1	0.728	A BB	86224.	118.502	UG/ML	3.39
3	99	688	8:36	1	0.927	A BB	101927.	105.154	UG/ML	3.01
4	94	690	8:37	1	0.930	A BV	60227.	55.838	UG/ML	1.60
5	93	704	8:48	1	0.949	A BB	44647.	55.023	UG/ML	1.58
6	128	711	8:53	1	0.958	A BB	38512.	50.933	UG/ML	1.46
7	146	736	9:12	1	0.992	A BV	40152.	49.067	UG/ML	1.40
8	136	983	12:17	8	1.000	A BB	72284.	40.000	UG/ML	1.14
9	164	1343	16:47	9	1.000	A BB	34828.	40.000	UG/ML	1.14
10	146	745	9:19	1	1.004	A VB	42280.	50.633	UG/ML	1.45
11	108	772	9:39	1	1.040	A BB	24549.	53.295	UG/ML	1.53
12	146	779	9:44	1	1.050	A BB	38333.	48.275	UG/ML	1.38
13	108	794	9:55	1	1.070	A BB	35163.	51.996	UG/ML	1.49
14	45	801	10:01	1	1.080	A BB	69892.	48.429	UG/ML	1.39
15	108	822	10:16	1	1.108	A BV	37212.	51.791	UG/ML	1.48
16	70	829	10:22	1	1.117	A BB	32815.	53.234	UG/ML	1.52
17	117	835	10:26	1	1.125	A BB	16428.	50.059	UG/ML	1.43
18	82	849	10:37	8	0.864	A BB	44685.	59.262	UG/ML	1.70
19	77	853	10:40	8	0.868	A BB	43274.	52.276	UG/ML	1.50
20	82	899	11:14	8	0.915	A BB	81707.	52.012	UG/ML	1.49
21	139	913	11:25	8	0.929	A BB	20435.	48.337	UG/ML	1.38
22	107	922	11:31	8	0.938	A BV	33361.	51.578	UG/ML	1.48
23	93	943	11:47	8	0.959	A BB	50602.	53.906	UG/ML	1.54
24	162	958	11:58	8	0.975	A BB	24810.	44.388	UG/ML	1.27
25	NOT	FOUND								
26	180	975	12:11	8	0.992	A BV	28298.	47.668	UG/ML	1.36
27	128	987	12:20	8	1.004	A BB	103350.	48.445	UG/ML	1.39
28	127	1002	12:31	8	1.019	A BB	40700.	48.258	UG/ML	1.38
29	225	1024	12:48	8	1.042	A BV	13670.	49.078	UG/ML	1.40
30	107	1112	13:54	8	1.131	A VB	53.	0.087	UG/ML	0.00
31	142	1125	14:04	8	1.144	A BB	61360.	46.936	UG/ML	1.34
32	237	1172	14:39	9	0.873	A BB	14517.	53.115	UG/ML	1.52
33	196	1188	14:51	9	0.885	A BV	15910.	47.496	UG/ML	1.36
34	188	1648	20:36	34	1.000	A BV	48965.	40.000	UG/ML	1.14
35	196	1195	14:56	9	0.890	A VB	15533.	39.558	UG/ML	1.13
36	172	1206	15:04	9	0.898	A BB	63568.	51.300	UG/ML	1.47
37	162	1224	15:18	9	0.911	A BB	55781.	46.290	UG/ML	1.33
38	65	1253	15:40	9	0.933	A BV	21177.	47.998	UG/ML	1.37
39	163	1300	16:15	9	0.968	A BB	59333.	42.171	UG/ML	1.21
40	152	1311	16:23	9	0.976	A BB	87164.	47.652	UG/ML	1.36
41	165	1313	16:25	9	0.978	A BB	15509.	42.391	UG/ML	1.21
42	138	1339	16:44	9	0.997	A BV	13311.	31.227	UG/ML	0.89
43	153	1350	16:52	9	1.005	A BB	53427.	45.505	UG/ML	1.30
44	184	1359	16:59	9	1.012	A BB	5633.	30.390	UG/ML	0.87
45	168	1382	17:16	9	1.029	A BV	73134.	46.403	UG/ML	1.33
46	NOT	FOUND								
47	165	1392	17:24	9	1.036	A BB	17530.	36.021	UG/ML	1.03
48	NOT	FOUND								
49	166	1454	18:10	9	1.083	A BB	59699.	44.567	UG/ML	1.28
50	204	1455	18:11	9	1.083	A BB	23536.	42.027	UG/ML	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:22	1.06	0.722	1.01	118.50	100.00	1.805	1.523	1.19
3	8:15	1.04	0.935	0.99	105.15	100.00	2.134	2.029	1.05
4	8:16	1.04	0.938	0.99	55.84	50.00	2.521	2.258	1.12
5	8:23	1.05	0.950	1.00	55.02	50.00	1.869	1.699	1.10
6	8:28	1.05	0.959	1.00	50.93	50.00	1.612	1.583	1.02
7	8:44	1.05	0.990	1.00	49.07	50.00	1.681	1.713	0.98
8	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
9	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
10	8:52	1.05	1.004	1.00	50.63	50.00	1.770	1.748	1.01
11	9:13	1.05	1.045	1.00	53.29	50.00	1.028	0.964	1.07
12	9:16	1.05	1.050	1.00	48.27	50.00	1.605	1.662	0.97
13	9:32	1.04	1.081	0.99	52.00	50.00	1.472	1.416	1.04
14	9:34	1.05	1.084	1.00	48.43	50.00	2.926	3.021	0.97
15	9:53	1.04	1.120	0.99	51.79	50.00	1.558	1.504	1.04
16	9:55	1.05	1.123	0.99	53.23	50.00	1.374	1.290	1.06
17	9:57	1.05	1.127	1.00	50.06	50.00	0.688	0.687	1.00
18	10:09	1.05	0.860	1.00	59.26	50.00	0.495	0.417	1.19
19	10:12	1.05	0.864	1.00	52.28	50.00	0.479	0.458	1.05
20	10:46	1.04	0.912	1.00	52.01	50.00	0.904	0.869	1.04
21	10:56	1.04	0.927	1.00	48.34	50.00	0.226	0.234	0.97
22	11:07	1.04	0.942	1.00	51.58	50.00	0.369	0.358	1.03
23	11:20	1.04	0.961	1.00	53.91	50.00	0.560	0.519	1.08
24	11:32	1.04	0.978	1.00	44.39	50.00	0.275	0.309	0.89
25	11:35		0.982						
26	11:42	1.04	0.992	1.00	47.67	50.00	0.313	0.329	0.95
27	11:51	1.04	1.004	1.00	48.44	50.00	1.144	1.181	0.97
28	12:04	1.04	1.022	1.00	48.26	50.00	0.450	0.467	0.97
29	12:19	1.04	1.043	1.00	49.08	50.00	0.151	0.154	0.98
30	13:19	1.04	1.129	1.00	0.09	50.00	0.001	0.337	0.00
31	13:34	1.04	1.149	1.00	46.94	50.00	0.679	0.723	0.94
32	14:08	1.04	0.871	1.00	53.11	50.00	0.333	0.314	1.06
33	14:22	1.03	0.885	1.00	47.50	50.00	0.365	0.385	0.95
34	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
35	14:28	1.03	0.891	1.00	39.56	50.00	0.357	0.451	0.79
36	14:34	1.04	0.897	1.00	51.30	50.00	1.460	1.423	1.03
37	14:46	1.04	0.910	1.00	46.29	50.00	1.281	1.384	0.93
38	15:10	1.03	0.934	1.00	48.00	50.00	0.486	0.507	0.96
39	15:45	1.03	0.970	1.00	42.17	50.00	1.363	1.616	0.84
40	15:50	1.03	0.975	1.00	47.65	50.00	2.002	2.101	0.95
41	15:55	1.03	0.980	1.00	42.39	50.00	0.356	0.420	0.85
42	16:14	1.03	1.000	1.00	31.23	50.00	0.306	0.490	0.62
43	16:19	1.03	1.005	1.00	45.50	50.00	1.227	1.348	0.91
44	16:29	1.03	1.015	1.00	30.39	50.00	0.129	0.213	0.61
45	16:43	1.03	1.030	1.00	46.40	50.00	1.680	1.810	0.93
46	16:46		1.033						
47	16:53	1.03	1.040	1.00	36.02	50.00	0.403	0.559	0.72
48	17:34		1.082						
49	17:37	1.03	1.085	1.00	44.57	50.00	1.371	1.538	0.89
50	17:39	1.03	1.087	1.00	42.03	50.00	0.541	0.643	0.84

Quantitation Report File: STDR095

Data: STDR095.TI
04/16/87 8:34:00
Sample: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01845

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	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	240I	S5# 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	164I	S6# 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	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	NOT FOUND									
52	198	1476	18:27	34	0.896	A BB	8471.	37.326	UG/ML	1.07
53	169	1482	18:31	34	0.899	A BB	38573.	47.425	UG/ML	1.36
54	330	1508	18:51	9	1.123	A BB	13908.	105.640	UG/ML	3.02
55	248	1556	19:27	34	0.944	A BB	14241.	60.492	UG/ML	1.73
56	284	1585	19:49	34	0.962	A BB	16094.	60.660	UG/ML	1.74
57	240	2208	27:36	57	1.000	A BB	24791.	40.000	UG/ML	1.14
58	266	1622	20:16	34	0.984	A BB	8182.	42.049	UG/ML	1.20
59	178	1653	20:40	34	1.003	A BV	75470.	49.787	UG/ML	1.43
60	178	1662	20:46	34	1.008	A VB	76377.	49.004	UG/ML	1.40
61	149	1785	22:19	34	1.083	A BB	90113.	37.801	UG/ML	1.08
62	202	1903	23:47	34	1.155	A BB	59992.	38.170	UG/ML	1.09
63	264	2502	31:16	63	1.000	A BB	15081.	40.000	UG/ML	1.14
64	202	1950	24:22	57	0.883	A BB	58226.	74.726	UG/ML	2.14
65	244	1987	24:50	57	0.900	A BB	35687.	66.547	UG/ML	1.90
66	149	2099	26:14	57	0.951	A BV	26590.	50.605	UG/ML	1.45

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2204	27:33	57	0.998	A BV	38135.	50.579	UG/ML	1.45
68	252	2202	27:31	57	0.997	A BB	11492.	37.567	UG/ML	1.08
69	228	2214	27:40	57	1.003	A VB	35035.	53.314	UG/ML	1.53
70	149	2227	27:50	57	1.009	A BV	38159.	47.252	UG/ML	1.35
71	149	2355	29:26	63	0.941	A BB	53704.	53.912	UG/ML	1.54
72	252	2430	30:22	63	0.971	A VB	25452.	49.469	UG/ML	1.42
73	252	2430	30:22	63	0.971	A VB	25452.	54.295	UG/ML	1.55
74	252	2490	31:07	63	0.995	A BB	22365.	48.334	UG/ML	1.38
75	NOT FOUND									
76	NOT FOUND									
77	NOT FOUND									

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:52		1.100						
52	17:56	1.03	0.897	1.00	37.33	50.00	0.138	0.185	0.75
53	18:00	1.03	0.900	1.00	47.42	50.00	0.630	0.664	0.95
54	18:17	1.03	1.126	1.00	105.64	100.00	0.160	0.151	1.06
55	18:52	1.03	0.944	1.00	60.49	50.00	0.233	0.192	1.21
56	19:13	1.03	0.961	1.00	60.66	50.00	0.263	0.217	1.21
57	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
58	19:43	1.03	0.986	1.00	42.05	50.00	0.134	0.159	0.84
59	20:04	1.03	1.003	1.00	49.79	50.00	1.233	1.238	1.00
60	20:11	1.03	1.009	1.00	49.00	50.00	1.248	1.273	0.98
61	21:44	1.03	1.087	1.00	37.80	50.00	1.472	1.947	0.76
62	23:08	1.03	1.157	1.00	38.17	50.00	0.980	1.284	0.76
63	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	23:43	1.03	0.882	1.00	74.73	50.00	1.879	1.257	1.49
65	24:11	1.03	0.899	1.00	66.55	50.00	1.152	0.865	1.33
66	25:34	1.03	0.951	1.00	50.60	50.00	0.858	0.848	1.01
67	26:49	1.03	0.997	1.00	50.58	50.00	1.231	1.217	1.01
68	26:52	1.02	0.999	1.00	37.57	100.00	0.185	0.494	0.38
69	26:58	1.03	1.003	1.00	53.31	50.00	1.131	1.060	1.07
70	27:07	1.03	1.008	1.00	47.25	50.00	1.231	1.303	0.95
71	28:37	1.03	0.944	1.00	53.91	50.00	2.849	2.642	1.08
72	29:29	1.03	0.972	1.00	49.47	50.00	1.350	1.365	0.99
73	29:34	1.03	0.974	1.00	54.30	50.00	1.350	1.243	1.09
74	30:13	1.03	0.996	1.00	48.33	50.00	1.186	1.227	0.97
75	33:03		1.089						
76	33:06		1.091						
77	33:50		1.115						

01846

TCA FINISHED, 69 FOUND
FINISHED AT: 5/04/88 12:04:00

01847

RMAL QUANTITATION SUMMARY FILE: STDR095
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	742	1	19109.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	983	2	72284.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1343	3	34828.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1648	4	48965.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2208	5	24791.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2502	6	15081.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	849	2	44685.	0.495	59.262
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1206	3	63568.	1.460	51.300
9	S5# 2	CS30 TERPHENYL-D14	244	1987	5	35687.	1.152	66.547
10	S1# 3	CS45 PHENOL-D5	99	688	1	101927.	2.134	105.154
11	S1# 2	CS50 2-FLUOROPHENOL	112	540	1	86224.	1.805	118.502
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1508	3	13908.	0.160	105.640
13	S1#105	C315 PHENOL	94	690	1	60227.	2.521	55.838
14	S1#110	C325 BIS(2-CHLOROETHYL)E	93	704	1	44647.	1.869	55.023
15	S1#115	C330 2-CHLOROPHENOL	128	711	1	38512.	1.612	50.933
16	S1#125	C335 1,3-DICHLOROBENZENE	146	736	1	40152.	1.681	49.067
17	S1#130	C340 1,4-DICHLOROBENZENE	146	745	1	42280.	1.770	50.633
18	S1#145	C345 BENZYL ALCOHOL	108	772	1	24549.	1.028	53.295
19	S1#150	C350 1,2-DICHLOROBENZENE	146	779	1	38333.	1.605	48.275
20	S1#160	C355 2-METHYLPHENOL	108	794	1	35163.	1.472	51.996
21	S1#165	C360 BIS(2-CHLOROISOPROP	45	801	1	69892.	2.926	48.429
22	S1#185	C365 4-METHYLPHENOL	108	822	1	37212.	1.558	51.791
23	S1#190	C370 N-NITROSO-DI-N-PROP	70	829	1	32815.	1.374	53.234
24	S1#200	C375 HEXACHLOROETHANE	117	835	1	16428.	0.688	50.059
25	S2# 10	C410 NITROBENZENE	77	853	2	43274.	0.479	52.276
26	S2# 20	C415 ISOPHORONE	82	899	2	81707.	0.904	52.012
27	S2# 25	C420 2-NITROPHENOL	139	913	2	20435.	0.226	48.337
28	S2# 30	C425 2,4-DIMETHYLPHENOL	107	922	2	33361.	0.369	51.578
29	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	943	2	50602.	0.560	53.906
30	S2# 40	C440 2,4-DICHLOROPHENOL	162	958	2	24810.	0.275	44.388
31	S2# 45	C430 BENZOIC ACID	122		2	NOT FOUND		
32	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	975	2	28298.	0.313	47.668
33	S2# 60	C450 NAPHTHALENE	128	987	2	103350.	1.144	48.445
34	S2# 80	C455 4-CHLOROANALINE	127	1002	2	40700.	0.450	48.258
35	S2# 95	C460 HEXACHLOROBUTADIENE	225	1024	2	13670.	0.151	49.078
36	S2#130	C465 4-CHLORO-3-METHYLPH	107		2	NOT FOUND		
37	S2#145	C470 2-METHYLNAPHTHALENE	142	1125	2	61360.	0.679	46.936
38	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1172	3	14517.	0.333	53.115
39	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1188	3	15910.	0.365	47.496
40	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1195	3	15533.	0.357	39.558
41	S3# 40	C525 2-CHLORONAPHTHALENE	162	1224	3	55781.	1.281	46.290
42	S3# 45	C530 2-NITROANALINE	65	1253	3	21177.	0.486	47.998
43	S3# 55	C535 DIMETHYLPHTHALATE	163	1300	3	59333.	1.363	42.171
44	S3# 65	C540 ACENAPHTHYLENE	152	1311	3	87164.	2.002	47.652
45	S3# 70	C543 2,6-DINITROTOLUENE	165	1313	3	15509.	0.356	42.391
46	S3# 75	C545 3-NITROANILINE	138	1339	3	13311.	0.306	31.227
47	S3# 80	C550 ACENAPHTHENE	153	1350	3	53427.	1.227	45.505
48	S3# 85	C555 2,4-DINITROPHENOL	184	1359	3	5633.	0.129	30.390
49	S3# 90	C565 DIBENZOFURAN	168	1382	3	73134.	1.680	46.403
50	S3# 95	C560 4-NITROPHENOL	109		3	NOT FOUND		
51	S3#105	C570 2,4-DINITROTOLUENE	165	1392	3	17530.	0.403	36.021
52	S3#130	C580 DIETHYLPHTHALATE	149		3	NOT FOUND		
53	S3#135	C590 FLUORENE	166	1454	3	59699.	1.371	44.567
54	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1455	3	23536.	0.541	42.027
55	S3#150	C595 4-NITROANALINE	138		3	NOT FOUND		
56	S4# 10	C610 4,6-DINITRO-2-METHY	198	1476	4	8471.	0.138	37.326
57	S4# 15	C615 N-NITROSODIPHENYLAM	169	1482	4	38573.	0.630	47.425
58	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1556	4	14241.	0.233	60.492
59	S4# 40	C630 HEXACHLOROBENZENE	284	1585	4	16094.	0.263	60.660
60	S4# 50	C635 PENTACHLOROPHENOL	266	1622	4	8182.	0.134	42.049
61	S4# 65	C640 PHENANTHRENE	178	1653	4	75470.	1.233	49.787
62	S4# 70	C645 ANTHRACENE	178	1662	4	76377.	1.248	49.004
63	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1785	4	90113.	1.472	37.801
64	S4#110	C655 FLUORANTHENE	202	1903	4	59992.	0.980	38.170
65	S5# 15	C715 PYRENE	202	1950	5	58226.	1.879	74.726
66	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2099	5	26590.	0.858	50.605
67	S5# 50	C730 BENZO(A)ANTHRACENE	228	2204	5	38135.	1.231	50.579
68	S5# 55	C725 3,3'-DICHLOROBENZID	252	2202	5	11492.	0.185	37.567
69	S5# 60	C740 CHRYSENE	228	2214	5	35035.	1.131	53.314
0	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2227	5	38159.	1.231	47.252
	S6# 10	C760 DI-N-OCTYL PHTHALAT	149	2355	6	53704.	2.849	33.912

#		C775	BENZO(A)PYRENE	252	2490	6	22365.	1.186	48.334
S6#	55	C780	INDENO(1,2,3-CD)PYR	276		6	NOT FOUND		
S6#	60	C785	DIBENZ(A,H)ANTHRACE	278		6	NOT FOUND		
S6#	65	C790	BENZO(G,H,I)PERYLEN	276		6	NOT FOUND		

Quantitation Report File: STDR095

Data: STDR095.TI
04/16/87 8:34:00
Sample: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01849

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	C470	2-METHYLNAPHTHALENE	142	S2#	145	91-57-6
36	C510	HEXACHLOROCYCLOPENTADI	237	S3#	20	77-47-4
37	C515	2,4,6-TRICHLOROPHENOL	196	S3#	25CC	88-06-2
38	C520	2,4,5-TRICHLOROPHENOL	196	S3#	30	95-95-4
39	C525	2-CHLORONAPHTHALENE	162	S3#	40	91-58-7
40	C530	2-NITROANALINE	65	S3#	45	88-74-4
41	C535	DIMETHYLPHTHALATE	163	S3#	55	131-11-3
42	C540	ACENAPHTHYLENE	152	S3#	65	208-96-8
43	C543	2,6-DINITROTOLUENE	165	S3#	70	606-20-2
44	C545	3-NITROANILINE	138	S3#	75	99-09-2
45	C550	ACENAPHTHENE	153	S3#	80CC	83-32-9
46	C555	2,4-DINITROPHENOL	184	S3#	85SP	51-28-5
47	C565	DIBENZOFURAN	168	S3#	90	132-64-9

No	Name			
48	C570	2,4-DINITROTOLUENE	165 S3#105	121-14-2
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	742	9:16	1	1.000	A BB	19109.	40.000	UG/ML	0.94
2	136	983	12:17	2	1.000	A BB	72284.	40.000	UG/ML	0.94
3	164	1343	16:47	3	1.000	A BB	34828.	40.000	UG/ML	0.94
4	188	1648	20:36	4	1.000	A BV	48965.	40.000	UG/ML	0.94
5	240	2208	27:36	5	1.000	A BB	24791.	40.000	UG/ML	0.94
6	264	2502	31:16	6	1.000	A BB	15081.	40.000	UG/ML	0.94
7	82	849	10:37	2	0.864	A BB	44685.	50.000	UG/ML	1.18
8	172	1206	15:04	3	0.898	A BB	63568.	50.000	UG/ML	1.18
9	244	1987	24:50	5	0.900	A BB	35687.	50.000	UG/ML	1.18
10	99	688	8:36	1	0.927	A BB	101927.	100.000	UG/ML	2.36
11	112	540	6:45	1	0.728	A BB	86224.	100.000	UG/ML	2.36
12	330	1508	18:51	3	1.123	A BB	13908.	100.000	UG/ML	2.36
13	94	690	8:37	1	0.930	A BV	60227.	50.000	UG/ML	1.18
14	93	704	8:48	1	0.949	A BB	44647.	50.000	UG/ML	1.18
15	128	711	8:53	1	0.958	A BB	38512.	50.000	UG/ML	1.18
16	146	736	9:12	1	0.992	A BV	40152.	50.000	UG/ML	1.18
17	146	745	9:19	1	1.004	A VB	42280.	50.000	UG/ML	1.18
18	108	772	9:39	1	1.040	A BB	24549.	50.000	UG/ML	1.18
19	146	779	9:44	1	1.050	A BB	38333.	50.000	UG/ML	1.18
20	108	794	9:55	1	1.070	A BB	35163.	50.000	UG/ML	1.18
21	45	801	10:01	1	1.080	A BB	69892.	50.000	UG/ML	1.18
22	108	822	10:16	1	1.108	A BV	37212.	50.000	UG/ML	1.18
23	70	829	10:22	1	1.117	A BB	32815.	50.000	UG/ML	1.18
24	117	835	10:26	1	1.125	A BB	16428.	50.000	UG/ML	1.18
25	77	853	10:40	2	0.868	A BB	43274.	50.000	UG/ML	1.18
26	82	899	11:14	2	0.915	A BB	81707.	50.000	UG/ML	1.18
27	139	913	11:25	2	0.929	A BB	20435.	50.000	UG/ML	1.18
28	107	922	11:31	2	0.938	A BV	33361.	50.000	UG/ML	1.18
29	93	943	11:47	2	0.959	A BB	50602.	50.000	UG/ML	1.18
30	162	958	11:58	2	0.975	A BB	24810.	50.000	UG/ML	1.18
31	180	975	12:11	2	0.992	A BV	28298.	50.000	UG/ML	1.18
32	128	987	12:20	2	1.004	A BB	103350.	50.000	UG/ML	1.18
33	127	1002	12:31	2	1.019	A BB	40700.	50.000	UG/ML	1.18
34	225	1024	12:48	2	1.042	A BV	13670.	50.000	UG/ML	1.18
35	142	1125	14:04	2	1.144	A BB	61360.	50.000	UG/ML	1.18
36	237	1172	14:39	3	0.873	A BB	14517.	50.000	UG/ML	1.18
37	196	1188	14:51	3	0.885	A BV	15910.	50.000	UG/ML	1.18
38	196	1195	14:56	3	0.890	A VB	15533.	50.000	UG/ML	1.18
39	162	1224	15:18	3	0.911	A BB	55781.	50.000	UG/ML	1.18
40	65	1253	15:40	3	0.933	A BV	21177.	50.000	UG/ML	1.18
41	163	1300	16:15	3	0.968	A BB	59333.	50.000	UG/ML	1.18
42	152	1311	16:23	3	0.976	A BB	87164.	50.000	UG/ML	1.18
43	165	1313	16:25	3	0.978	A BB	15509.	50.000	UG/ML	1.18
44	138	1339	16:44	3	0.997	A BV	13311.	50.000	UG/ML	1.18
45	153	1350	16:52	3	1.005	A BB	53427.	50.000	UG/ML	1.18
46	184	1359	16:59	3	1.012	A BB	5633.	50.000	UG/ML	1.18
47	168	1382	17:16	3	1.029	A BV	73134.	50.000	UG/ML	1.18
48	165	1392	17:24	3	1.036	A BB	17530.	50.000	UG/ML	1.18
49	166	1454	18:10	3	1.083	A BB	59699.	50.000	UG/ML	1.18
50	204	1455	18:11	3	1.083	A BB	23536.	50.000	UG/ML	1.18

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:37	1.00	0.864	1.00	50.00	50.00	0.495	0.495	1.00
8	15:04	1.00	0.898	1.00	50.00	50.00	1.460	1.460	1.00
9	24:50	1.00	0.900	1.00	50.00	50.00	1.152	1.152	1.00
10	8:36	1.00	0.927	1.00	100.00	100.00	2.134	2.134	1.00
11	6:45	1.00	0.728	1.00	100.00	100.00	1.805	1.805	1.00
12	18:51	1.00	1.123	1.00	100.00	100.00	0.160	0.160	1.00
13	8:37	1.00	0.930	1.00	50.00	50.00	2.521	2.521	1.00
14	8:48	1.00	0.949	1.00	50.00	50.00	1.869	1.869	1.00
15	8:53	1.00	0.958	1.00	50.00	50.00	1.612	1.612	1.00
16	9:12	1.00	0.992	1.00	50.00	50.00	1.681	1.681	1.00
17	9:19	1.00	1.004	1.00	50.00	50.00	1.770	1.770	1.00
18	9:39	1.00	1.040	1.00	50.00	50.00	1.028	1.028	1.00
19	9:44	1.00	1.050	1.00	50.00	50.00	1.605	1.605	1.00
20	9:55	1.00	1.070	1.00	50.00	50.00	1.472	1.472	1.00
21	10:01	1.00	1.080	1.00	50.00	50.00	2.926	2.926	1.00
22	10:16	1.00	1.108	1.00	50.00	50.00	1.558	1.558	1.00
23	10:22	1.00	1.117	1.00	50.00	50.00	1.374	1.374	1.00
24	10:26	1.00	1.125	1.00	50.00	50.00	0.688	0.688	1.00
25	10:40	1.00	0.868	1.00	50.00	50.00	0.479	0.479	1.00
26	11:14	1.00	0.915	1.00	50.00	50.00	0.904	0.904	1.00
27	11:25	1.00	0.929	1.00	50.00	50.00	0.226	0.226	1.00
28	11:31	1.00	0.938	1.00	50.00	50.00	0.369	0.369	1.00
29	11:47	1.00	0.959	1.00	50.00	50.00	0.560	0.560	1.00
30	11:58	1.00	0.975	1.00	50.00	50.00	0.275	0.275	1.00
31	12:11	1.00	0.992	1.00	50.00	50.00	0.313	0.313	1.00
32	12:20	1.00	1.004	1.00	50.00	50.00	1.144	1.144	1.00
33	12:31	1.00	1.019	1.00	50.00	50.00	0.450	0.450	1.00
34	12:48	1.00	1.042	1.00	50.00	50.00	0.151	0.151	1.00
35	14:04	1.00	1.144	1.00	50.00	50.00	0.679	0.679	1.00
36	14:39	1.00	0.873	1.00	50.00	50.00	0.333	0.333	1.00
37	14:51	1.00	0.885	1.00	50.00	50.00	0.365	0.365	1.00
38	14:56	1.00	0.890	1.00	50.00	50.00	0.357	0.357	1.00
39	15:18	1.00	0.911	1.00	50.00	50.00	1.281	1.281	1.00
40	15:40	1.00	0.933	1.00	50.00	50.00	0.486	0.486	1.00
41	16:15	1.00	0.968	1.00	50.00	50.00	1.363	1.363	1.00
42	16:23	1.00	0.976	1.00	50.00	50.00	2.002	2.002	1.00
43	16:25	1.00	0.978	1.00	50.00	50.00	0.356	0.356	1.00
44	16:44	1.00	0.997	1.00	50.00	50.00	0.306	0.306	1.00
45	16:52	1.00	1.005	1.00	50.00	50.00	1.227	1.227	1.00
46	16:59	1.00	1.012	1.00	50.00	50.00	0.129	0.129	1.00
47	17:16	1.00	1.029	1.00	50.00	50.00	1.680	1.680	1.00
48	17:24	1.00	1.036	1.00	50.00	50.00	0.403	0.403	1.00
49	18:10	1.00	1.083	1.00	50.00	50.00	1.371	1.371	1.00
50	18:11	1.00	1.083	1.00	50.00	50.00	0.541	0.541	1.00

01852

Quantitation Report File: STDR095

Data: STDR095.TI
04/16/87 8:34:00
Sample: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

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

No	Name				
51	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
52	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
53	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
54	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
55	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
56	C640	PHENANTHRENE	178	S4# 65	85-01-8
57	C645	ANTHRACENE	178	S4# 70	120-12-7
58	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
59	C655	FLUORANTHENE	202	S4#110CC	206-44-0
60	C715	PYRENE	202	S5# 15	129-00-0
61	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
62	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
63	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
64	C740	CHRYSENE	228	S5# 60	218-01-9
65	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
66	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
67	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
68	C430	BENZOIC ACID	122	S2# 45	65-85-0
69	C465	4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
70		N-NITROSODIMETHYLAMINE	74	S1# 15	62-75-9
71	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
72	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
73		ANILINE	93	S1#100	62-53-3
74	C595	4-NITROANALINE	138	S3#150	100-01-6
75	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
76		AZOBENZENE	77	S4# 20	103-33-3
77		BENZIDINE	184	S5# 10	92-81-5
78	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
79	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
80	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2
81	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	198	1476	18:27	4	0.896	A BB	8471.	50.000	UG/ML	1.18
52	169	1482	18:31	4	0.899	A BB	38573.	50.000	UG/ML	1.18
53	248	1556	19:27	4	0.944	A BB	14241.	50.000	UG/ML	1.18
54	284	1585	19:49	4	0.962	A BB	16094.	50.000	UG/ML	1.18
55	266	1622	20:16	4	0.984	A BB	8182.	50.000	UG/ML	1.18
56	178	1653	20:40	4	1.003	A BV	75470.	50.000	UG/ML	1.18
57	178	1662	20:46	4	1.008	A VB	76377.	50.000	UG/ML	1.18
58	149	1785	22:19	4	1.083	A BB	90113.	50.000	UG/ML	1.18
59	202	1903	23:47	4	1.155	A BB	59992.	50.000	UG/ML	1.18
60	202	1950	24:22	5	0.883	A BB	58226.	50.000	UG/ML	1.18
61	149	2099	26:14	5	0.951	A BV	26590.	50.000	UG/ML	1.18
62	228	2204	27:33	5	0.998	A BV	38135.	50.000	UG/ML	1.18

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
63	252	2202	27:31	5	0.997	A BB	11492.	100.000	UG/ML	2.36
64	228	2214	27:40	5	1.003	A VB	35035.	50.000	UG/ML	1.18
65	149	2227	27:50	5	1.009	A BV	38159.	50.000	UG/ML	1.18
66	149	2355	29:26	6	0.941	A BB	53704.	50.000	UG/ML	1.18
67	252	2490	31:07	6	0.995	A BB	22365.	50.000	UG/ML	1.18
68	122	948	11:51	2	0.964	M XX	15597.	50.000	UG/ML	1.18
69	107	1100	13:45	2	1.119	M XX	29039.	50.000	UG/ML	1.18
70	74	361	4:31	1	0.487	M XX	31295.	50.000	UG/ML	1.18
71	109	1373	17:10	3	1.022	M XX	5160.	50.000	UG/ML	1.18
72	149	1447	18:05	3	1.077	M XX	56629.	50.000	UG/ML	1.18
73	93	693	8:40	1	0.934	M XX	65255.	50.000	UG/ML	1.18
74	138	1466	18:19	3	1.092	M XX	8342.	50.000	UG/ML	1.18
75	252	2425	30:19	6	0.969	M XX	27581.	50.000	UG/ML	1.18
76	77	1488	18:36	4	0.903	M XX	82788.	50.000	UG/ML	1.18
77	184	1932	24:09	5	0.875	M XX	11614.	100.000	UG/ML	2.36
78	276	2769	34:37	6	1.107	M XX	19712.	50.000	UG/ML	1.18
79	278	2775	34:41	6	1.109	M XX	15109.	50.000	UG/ML	1.18
80	276	2769	34:37	6	1.107	M XX	19497.	50.000	UG/ML	1.18
81	252	2430	30:22	6	0.971	M XX	29941.	50.000	UG/ML	1.18

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:27	1.00	0.896	1.00	50.00	50.00	0.138	0.138	1.00
52	18:31	1.00	0.899	1.00	50.00	50.00	0.630	0.630	1.00
53	19:27	1.00	0.944	1.00	50.00	50.00	0.233	0.233	1.00
54	19:49	1.00	0.962	1.00	50.00	50.00	0.263	0.263	1.00
55	20:16	1.00	0.984	1.00	50.00	50.00	0.134	0.134	1.00
56	20:40	1.00	1.003	1.00	50.00	50.00	1.233	1.233	1.00
57	20:46	1.00	1.008	1.00	50.00	50.00	1.248	1.248	1.00
58	22:19	1.00	1.083	1.00	50.00	50.00	1.472	1.472	1.00
59	23:47	1.00	1.155	1.00	50.00	50.00	0.980	0.980	1.00
60	24:22	1.00	0.883	1.00	50.00	50.00	1.879	1.879	1.00
61	26:14	1.00	0.951	1.00	50.00	50.00	0.858	0.858	1.00
62	27:33	1.00	0.998	1.00	50.00	50.00	1.231	1.231	1.00
63	27:31	1.00	0.997	1.00	100.00	100.00	0.185	0.185	1.00
64	27:40	1.00	1.003	1.00	50.00	50.00	1.131	1.131	1.00
65	27:50	1.00	1.009	1.00	50.00	50.00	1.231	1.231	1.00
66	29:26	1.00	0.941	1.00	50.00	50.00	2.849	2.849	1.00
67	31:07	1.00	0.995	1.00	50.00	50.00	1.186	1.186	1.00
68	11:51	1.00	0.964	1.00	50.00	50.00	0.173	0.173	1.00
69	13:45	1.00	1.119	1.00	50.00	50.00	0.321	0.321	1.00
70	4:31	1.00	0.487	1.00	50.00	50.00	1.310	1.310	1.00
71	17:10	1.00	1.022	1.00	50.00	50.00	0.119	0.119	1.00
72	18:05	1.00	1.077	1.00	50.00	50.00	1.301	1.301	1.00
73	8:40	1.00	0.934	1.00	50.00	50.00	2.732	2.732	1.00
74	18:19	1.00	1.092	1.00	50.00	50.00	0.192	0.192	1.00
75	30:19	1.00	0.969	1.00	50.00	50.00	1.463	1.463	1.00
76	18:36	1.00	0.903	1.00	50.00	50.00	1.353	1.353	1.00
77	24:09	1.00	0.875	1.00	100.00	100.00	0.187	0.187	1.00
78	34:37	1.00	1.107	1.00	50.00	50.00	1.046	1.046	1.00
79	34:41	1.00	1.109	1.00	50.00	50.00	0.801	0.801	1.00
80	34:37	1.00	1.107	1.00	50.00	50.00	1.034	1.034	1.00
81	30:22	1.00	0.971	1.00	50.00	50.00	1.588	1.588	1.00

RMAL QUANTITATION SUMMARY FILE: STDR095
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

01854

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1#	1	CI30 1,4-DICHLOROBENZENE	152	742	1	19109.	1.000	40.000
2	S2#	1	CI40 NAPHTHALENE-D8	136	983	2	72284.	1.000	40.000
3	S3#	1	CI50 ACENAPHTHENE-D10	164	1343	3	34828.	1.000	40.000
4	S4#	1	CI60 PHENANTHRENE-D10	188	1648	4	48965.	1.000	40.000
5	S5#	1	CI70 CHRYSENE-D12	240	2208	5	24791.	1.000	40.000
6	S6#	1	CI75 PERYLENE-D12	264	2502	6	15081.	1.000	40.000
7	S2#	2	CS20 NITROBENZENE-D5	82	849	2	44685.	0.495	50.000
8	S3#	3	CS25 2-FLUOROBIPHENYL	172	1206	3	63568.	1.460	50.000
9	S5#	2	CS30 TERPHENYL-D14	244	1987	5	35687.	1.152	50.000
10	S1#	3	CS45 PHENOL-D5	99	688	1	101927.	2.134	100.000
11	S1#	2	CS50 2-FLUOROPHENOL	112	540	1	86224.	1.805	100.000
12	S3#	2	CS55 2,4,6-TRIBROMOPHENO	330	1508	3	13908.	0.160	100.000
13	S1#105		C315 PHENOL	94	690	1	60227.	2.521	50.000
14	S1#110		C325 BIS(2-CHLOROETHYL)E	93	704	1	44647.	1.869	50.000
15	S1#115		C330 2-CHLOROPHENOL	128	711	1	38512.	1.612	50.000
16	S1#125		C335 1,3-DICHLOROBENZENE	146	736	1	40152.	1.681	50.000
17	S1#130		C340 1,4-DICHLOROBENZENE	146	745	1	42280.	1.770	50.000
18	S1#145		C345 BENZYL ALCOHOL	108	772	1	24549.	1.028	50.000
19	S1#150		C350 1,2-DICHLOROBENZENE	146	779	1	38333.	1.605	50.000
20	S1#160		C355 2-METHYLPHENOL	108	794	1	35163.	1.472	50.000
21	S1#165		C360 BIS(2-CHLOROISOPROP	45	801	1	69892.	2.926	50.000
22	S1#185		C365 4-METHYLPHENOL	108	822	1	37212.	1.558	50.000
23	S1#190		C370 N-NITROSO-DI-N-PROP	70	829	1	32815.	1.374	50.000
24	S1#200		C375 HEXACHLOROETHANE	117	835	1	16428.	0.688	50.000
25	S2#	10	C410 NITROBENZENE	77	853	2	43274.	0.479	50.000
26	S2#	20	C415 ISOPHORONE	82	899	2	81707.	0.904	50.000
27	S2#	25	C420 2-NITROPHENOL	139	913	2	20435.	0.226	50.000
28	S2#	30	C425 2,4-DIMETHYLPHENOL	107	922	2	33361.	0.369	50.000
29	S2#	35	C435 BIS(2-CHLOROETHOXY)	93	943	2	50602.	0.560	50.000
30	S2#	40	C440 2,4-DICHLOROPHENOL	162	958	2	24810.	0.275	50.000
31	S2#	45	C430 BENZOIC ACID	122	948	2	15597.	0.173	50.000
32	S2#	55	C445 1,2,4-TRICHLOROBENZ	180	975	2	28298.	0.313	50.000
33	S2#	60	C450 NAPHTHALENE	128	987	2	103350.	1.144	50.000
34	S2#	80	C455 4-CHLORDANALINE	127	1002	2	40700.	0.450	50.000
35	S2#	95	C460 HEXACHLOROBUTADIENE	225	1024	2	13670.	0.151	50.000
36	S2#130		C465 4-CHLORO-3-METHYLPH	107	1100	2	29039.	0.321	50.000
37	S2#145		C470 2-METHYLNAPHTHALENE	142	1125	2	61360.	0.679	50.000
38	S3#	20	C510 HEXACHLOROCYCLOPENT	237	1172	3	14517.	0.333	50.000
39	S3#	25	C515 2,4,6-TRICHLOROPHEN	196	1188	3	15910.	0.365	50.000
40	S3#	30	C520 2,4,5-TRICHLOROPHEN	196	1195	3	15533.	0.357	50.000
41	S3#	40	C525 2-CHLORONAPHTHALENE	162	1224	3	55781.	1.281	50.000
42	S3#	45	C530 2-NITROANALINE	65	1253	3	21177.	0.486	50.000
43	S3#	55	C535 DIMETHYLPHTHALATE	163	1300	3	59333.	1.363	50.000
44	S3#	65	C540 ACENAPHTHYLENE	152	1311	3	87164.	2.002	50.000
45	S3#	70	C543 2,6-DINITROTOLUENE	165	1313	3	15509.	0.356	50.000
46	S3#	75	C545 3-NITROANILINE	138	1339	3	13311.	0.306	50.000
47	S3#	80	C550 ACENAPHTHENE	153	1350	3	53427.	1.227	50.000
48	S3#	85	C555 2,4-DINITROPHENOL	184	1359	3	5633.	0.129	50.000
49	S3#	90	C565 DIBENZOFURAN	168	1382	3	73134.	1.680	50.000
50	S3#	95	C560 4-NITROPHENOL	109	1373	3	5160.	0.119	50.000
51	S3#105		C570 2,4-DINITROTOLUENE	165	1392	3	17530.	0.403	50.000
52	S3#130		C580 DIETHYLPHTHALATE	149	1447	3	56629.	1.301	50.000
53	S3#135		C590 FLUORENE	166	1454	3	59699.	1.371	50.000
54	S3#140		C585 4-CHLOROPHENYL-PHEN	204	1455	3	23536.	0.541	50.000
55	S3#150		C595 4-NITROANALINE	138	1466	3	8342.	0.192	50.000
56	S4#	10	C610 4,6-DINITRO-2-METHY	198	1476	4	8471.	0.138	50.000
57	S4#	15	C615 N-NITROSODIPHENYLAM	169	1482	4	38573.	0.630	50.000
58	S4#	30	C625 4-BROMOPHENYL-PHENY	248	1556	4	14241.	0.233	50.000
59	S4#	40	C630 HEXACHLOROBENZENE	284	1585	4	16094.	0.263	50.000
60	S4#	50	C635 PENTACHLOROPHENOL	266	1622	4	8182.	0.134	50.000
61	S4#	65	C640 PHENANTHRENE	178	1653	4	75470.	1.233	50.000
62	S4#	70	C645 ANTHRACENE	178	1662	4	76377.	1.248	50.000
63	S4#	85	C650 DI-N-BUTYLPHTHALATE	149	1785	4	90113.	1.472	50.000
64	S4#110		C655 FLUORANTHENE	202	1903	4	59992.	0.980	50.000
65	S5#	15	C715 PYRENE	202	1950	5	58226.	1.879	50.000
66	S5#	40	C720 BUTYLBENZYLPHTHALAT	149	2099	5	26590.	0.858	50.000
67	S5#	50	C730 BENZO(A)ANTHRACENE	228	2204	5	38135.	1.231	50.000
68	S5#	55	C725 3,3'-DICHLOROBENZID	252	2202	5	11492.	0.185	100.000
69	S5#	60	C740 CHRYSENE	228	2214	5	35035.	1.131	50.000
70	S5#	65	C745 BIS(2-ETHYLHEXYL)PH	149	2227	5	38159.	1.231	50.000
71	S6#	10	C760 DI-N-OCTYL PHTHALAT	149	2355	6	53704.	2.849	50.000
72	S6#	15	C765 BENZO(B)FLUORANTHEN	252	2425	6	27581.	1.463	50.000
73	S6#	25	C770 BENZO(K)FLUORANTHEN	252	2430	6	29941.	1.588	50.000
74	S6#	35	C775 BENZO(A)PYRENE	252	2490	6	22365.	1.186	50.000
75	S6#	55	C780 INDENO(1,2,3-CD)PYR	276	2769	6	19712.	1.046	50.000
76	S6#	60	C785 DIBENZ(A,H)ANTHRACE	278	2775	6	15109.	0.801	50.000
77	S6#	65	C790 BENZO(G,H,I)PERYLEN	276	2769	6	19497.	1.034	50.000

75	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2769	6	19712.	1.046	50.000
76	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2775	6	15109.	0.801	50.000
77	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2769	6	19497.	1.034	50.000

4/16/87 10:14:38 SCAN 1 OF 2900
Acquisition started

Acquire
04/16/87 10:14:00 + 0:04
Sample: 80 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula:
Submitted by: RMAL

Run 2:STDR097
Free sectors: 10617
Instrument: 4500
Analyst: CR

ACQUIRING
Scan: 5 of 2900
Weight: 0.000
Acct. No:

********** QC PARAMETERS **********

Loaded QC Desc:SK Current QC oven tmp: 30 DegC Injector : 250 DegC
Current QC Desc:SK QC elapsed time : 0: 3 min Int.oven : 250 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			

********** 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 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

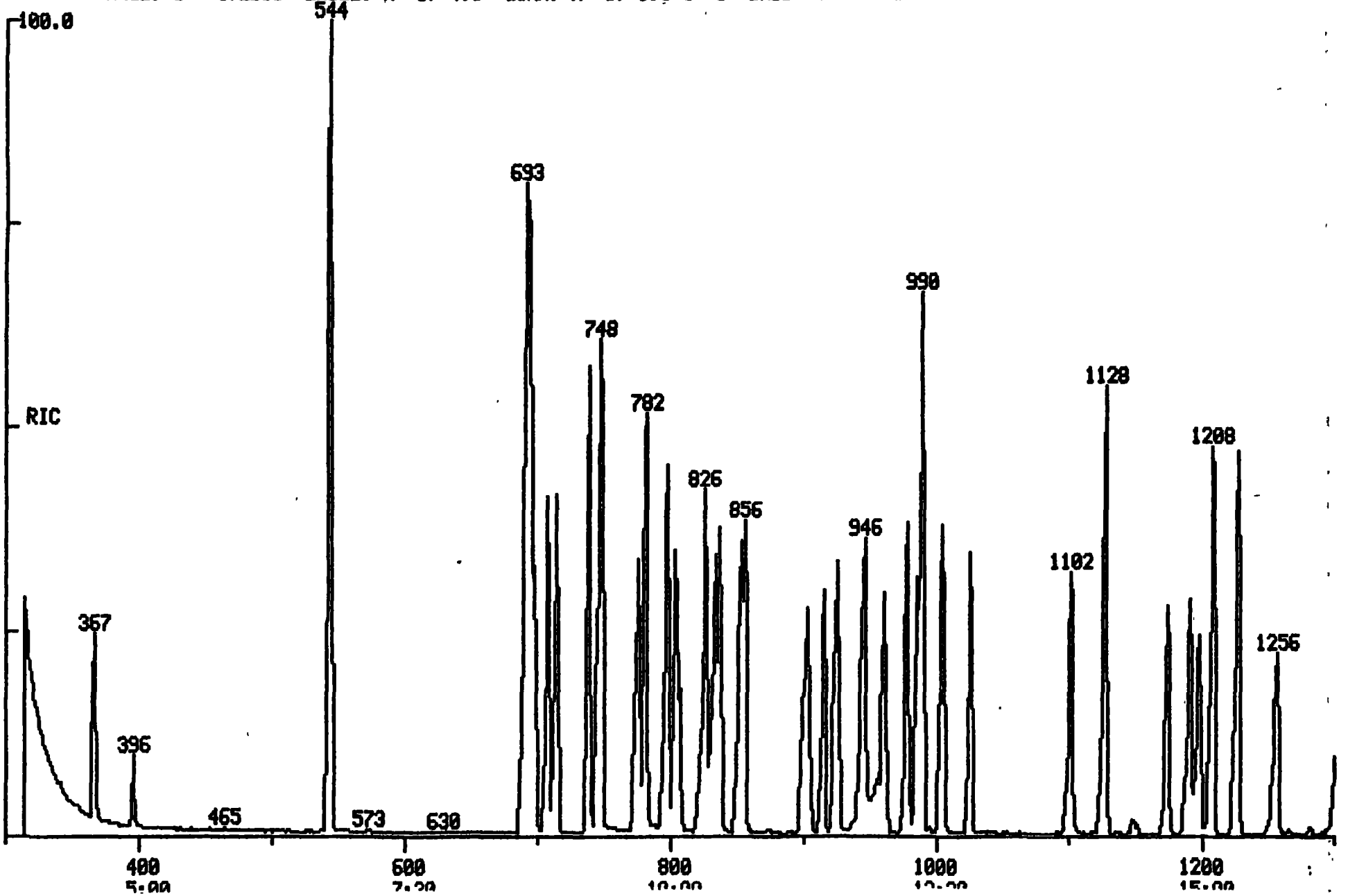
Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	Q	
Full scale mass	1024	u
Zero scale mass	1	u
Intensity/ion	2	
Peak Width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(MS)	4	

4/16/87 10:50:54
ACQUISITION COMPLETED
SCANS 1 TO 2900 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2900	424.1	2175.0	19.5	110406. 38.	51.

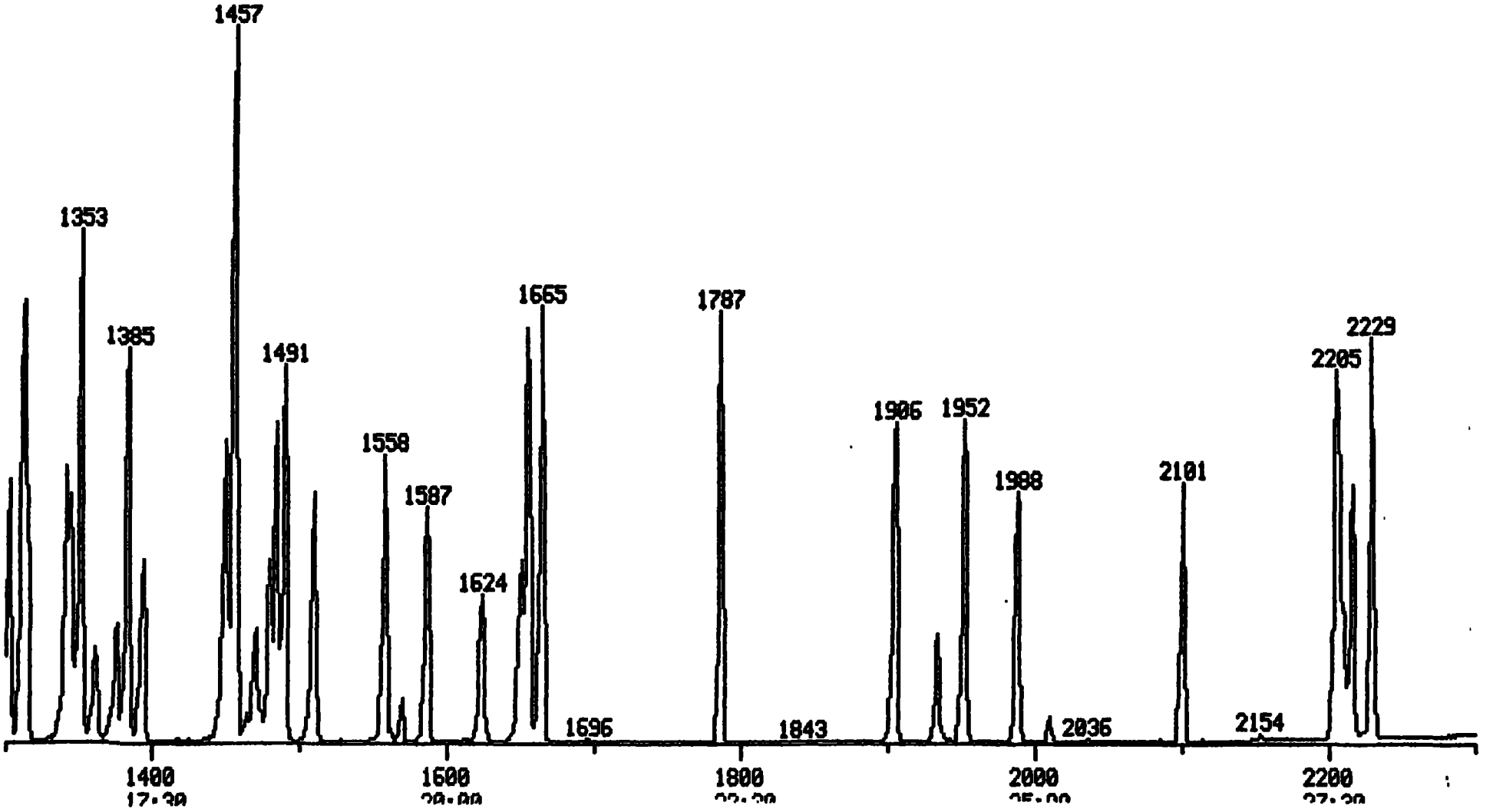
01857

RIC
04/16/87 10:14:00
DATA: STDR097 #4
CALI: 050288CR #7
SCANS 300 TO 1300
OUT OF 300 TO 2900
SAMPLE: 80 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



01858

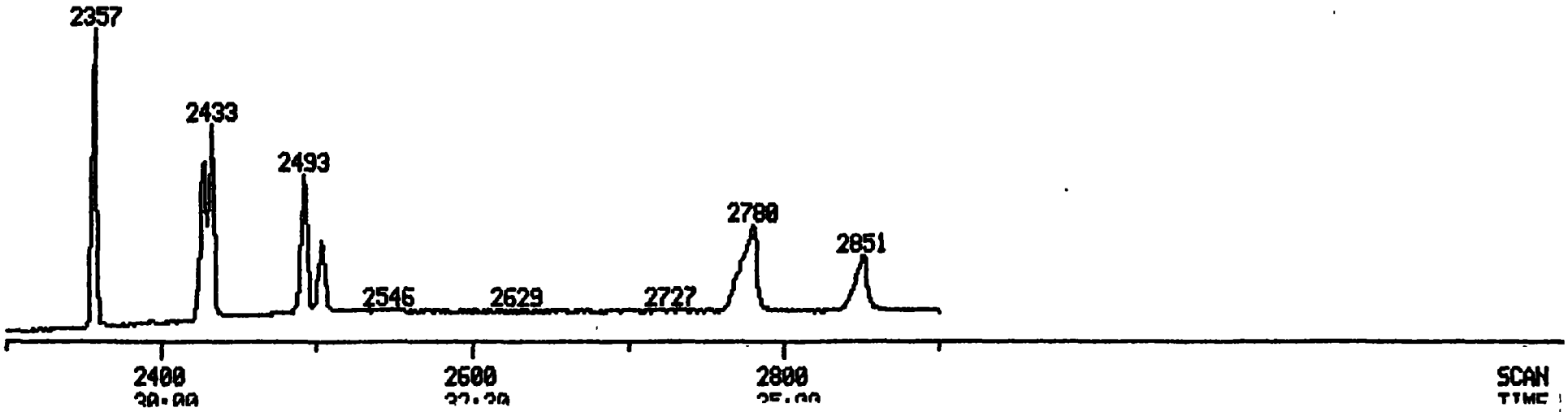
RIC DATA: STDR097 #4 SCANS 1300 TO 2300
04/16/87 10:14:00 CALI: 050288CR #7 OUT OF 300 TO 2900
SAMPLE: 80 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0



01859

RIC DATA: STDR097 #4 SCANS 2300 TO 2900
04/16/87 10:14:00 CALI: 050288CR #7 OUT OF 300 TO 2900
SAMPLE: 80 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 199936.



PROCEDURE: TCA DIAGNOSTIC REPORT 5/04/88 12:37:36
DATA FILE: STDR097
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

01860

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	9	9	8	73	ISO1/TC01
3	3	1	33	18	18	1	130	ISO2/TC02
3	3	1	33	12	12	2	62	ISO3/TC03
3	3	1	37	18	18	1	54	ISO4/TC04
3	3	1	37	11	11	4	96	ISO5/TC05
3	3	1	0	8	8	1	55	ISO6/TC06
3	3	1	0	15	15	16	61	ISO7/TC07
1	1	1	0	4	4	1	3	ISO8/TC08

81 COMPOUNDS PROCESSED, 81 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	-741	745	745	.	2	964	.	152	745	.	1
2	S1	15	-361	367	367	.	4	989	.	74	367	.	1
3	S1	2	-540	545	544	-1	1	992	.	112	544	.	1
4	S1	3	-688	692	693	1	1	967	.	99	693	.	1
5	S1	105	-690	694	695	1	1	965	.	94	695	.	1
6	S1	100	-693	697	698	1	2	988	.	93	698	.	1
7	S1	110	-704	708	708	.	1	975	.	93	708	.	1
8	S1	115	-711	715	715	.	1	989	.	128	715	.	1
9	S1	125	-736	740	739	-1	1	993	.	146	739	.	1
10	S2	1	-982	986	986	.	1	998	.	136	986	.	1
11	S3	1	-1342	1345	1345	.	1	987	.	164	1345	.	1
12	S1	130	-745	749	748	-1	1	992	.	146	748	.	1
13	S1	145	-772	776	776	.	1	999	.	108	776	.	1
14	S1	150	-779	783	782	-1	1	998	.	146	782	.	1
15	S1	160	-794	798	798	.	1	978	.	108	798	.	1
16	S1	165	-801	805	804	-1	1	968	.	45	804	.	1
17	S1	185	-822	826	826	.	1	995	.	108	826	.	1
18	S1	190	-829	833	834	1	1	999	.	70	834	.	1
19	S1	200	-835	839	837	-2	1	990	.	117	837	.	1
20	S2	2	-849	853	853	.	1	998	.	82	853	.	1
21	S2	10	-853	857	856	-1	1	1000	.	77	856	.	1
22	S2	20	-899	903	903	.	1	976	.	82	903	.	1
23	S2	25	-913	917	916	-1	1	990	.	139	916	.	1
24	S2	30	-922	926	926	.	1	996	.	107	926	.	1
25	S2	35	-943	947	946	-1	1	1000	.	93	946	.	1
26	S2	45	-948	952	956	4	1	998	.	122	956	.	1
27	S2	40	-958	961	961	.	1	994	.	162	961	.	1
28	S2	55	-975	978	978	.	1	996	.	180	978	.	1
29	S2	60	-987	990	990	.	1	997	.	128	990	.	1
30	S2	80	-1002	1005	1005	.	1	991	.	127	1005	.	1
31	S2	95	-1024	1027	1026	-1	1	997	.	225	1026	.	1
32	S2	130	-1100	1103	1102	-1	1	994	.	107	1102	.	1
33	S2	145	-1125	1128	1128	.	1	984	.	142	1128	.	1
34	S3	20	-1172	1175	1174	-1	1	995	.	237	1174	.	1
35	S3	25	-1188	1191	1191	.	2	998	.	196	1191	.	1
36	S4	1	-1647	1650	1650	.	1	985	.	188	1650	.	1
37	S3	30	-1195	1198	1198	.	1	994	.	196	1198	.	1
38	S3	3	-1206	1209	1208	-1	1	997	.	172	1208	.	1
39	S3	40	-1224	1227	1227	.	1	999	.	162	1227	.	1
40	S3	45	-1253	1256	1256	.	1	996	.	65	1256	.	1
41	S3	55	-1300	1303	1303	.	1	974	.	163	1303	.	1
42	S3	65	-1311	1314	1313	-1	1	994	.	152	1313	.	1
43	S3	70	-1313	1316	1316	.	1	997	.	165	1316	.	1
44	S3	75	-1339	1342	1342	.	1	999	.	138	1342	.	1
45	S3	80	-1350	1353	1353	.	1	985	.	153	1353	.	1
46	S3	85	-1359	1362	1362	.	1	989	.	184	1362	.	1
47	S3	95	-1373	1376	1377	1	1	994	.	109	1377	.	1
48	S3	90	-1382	1385	1385	.	1	964	.	168	1385	.	1
49	S3	105	-1392	1395	1395	.	1	996	.	165	1395	.	1
50	S3	130	-1447	1450	1450	.	1	962	.	149	1450	.	1
51	S3	135	-1454	1457	1456	-1	1	987	.	166	1456	.	1
52	S3	140	-1455	1458	1457	-1	1	960	.	204	1457	.	1
53	S3	150	-1466	1469	1471	2	2	983	.	138	1471	.	1
54	S4	10	-1476	1479	1480	1	2	972	.	198	1480	.	1
55	S4	15	-1482	1485	1485	.	1	985	.	169	1485	.	1
56	S4	20	-1488	1491	1491	.	1	998	.	77	1491	.	1
57	S3	2	-1508	1511	1510	-1	1	998	.	330	1510	.	1
58	S4	30	-1556	1559	1558	-1	1	915	.	248	1558	.	1
59	S4	40	-1585	1588	1587	-1	1	997	.	284	1587	.	1
60	S5	1	-2207	2210	2210	.	1	949	.	240	2210	.	1
61	S4	50	-1622	1625	1624	-1	1	994	.	266	1624	.	1
62	S4	65	-1653	1656	1655	-1	1	956	.	178	1655	.	1

64	S4	85	-1785	1788	1787	-1	1	938	.	149	1787	.	1
65	S4	110	-1903	1906	1906	.	1	975	.	202	1905	-1	1
66	S6	1	-2501	2504	2504	.	1	995	.	264	2504	.	1
67	S5	10	-1932	1934	1934	.	1	993	.	184	1934	.	1
68	S5	15	-1950	1952	1952	.	1	992	.	202	1952	.	1
69	S5	2	-1987	1989	1988	-1	1	977	.	244	1988	.	1
70	S5	40	-2099	2101	2101	.	1	988	.	149	2101	.	1
71	S5	55	-2202	2204	2205	1	1	981	.	252	2205	.	1
72	S5	50	-2204	2206	2206	.	2	996	.	228	2206	.	1
73	S5	60	-2214	2216	2216	.	1	994	.	228	2216	.	1
74	S5	65	-2227	2229	2229	.	1	990	.	149	2229	.	1
75	S6	10	-2355	2358	2357	-1	1	996	.	149	2357	.	1
76	S6	15	-2425	2428	2428	.	2	991	.	252	2427	-1	1
77	S6	25	-2430	2433	2433	.	2	994	.	252	2433	.	1
78	S6	35	-2490	2493	2493	.	2	996	.	252	2493	.	1
79	S6	55	-2769	2774	2774	.	1	992	.	276	2774	.	1
80	S6	65	-2769	2774	2774	.	1	987	.	276	2774	.	1
81	S6	60	-2775	2780	2780	.	1	987	.	278	2781	1	1

uantitation Report File: STDR097

)ata: STDR097.TI
)4/16/87 10:14:00
Sample: 80 PPM HSL STD HWC-CM-015 4/7/87 MLB 01862
:onds.: SK
:ormula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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	N-NITROSODIMETHYLAMINE	74	S1# 15	62-75-9
3	CS50 2-FLUOROPHENOL	112	SS1# 02	367-12-4
4	CS45 PHENOL-D5	99	SS1# 03	4165-62-2
5	C315 PHENOL	94	S1#105CC	108-95-2
6	ANILINE	93	S1#100	62-53-3
7	C325 BIS(2-CHLOROETHYL)ETHER	93	S1#110	111-44-4
8	C330 2-CHLOROPHENOL	128	S2#115	95-57-8
9	C335 1,3-DICHLOROBENZENE	146	S1#125	541-73-1
10	CI40 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
11	CI50 ACENAPHTHENE-D10	164	IS3# 01	15067-26-2
12	C340 1,4-DICHLOROBENZENE	146	S1#130CC	106-46-7
13	C345 BENZYL ALCOHOL	108	S1#145	100-51-6
14	C350 1,2-DICHLOROBENZENE	146	S1#150	95-50-1
15	C355 2-METHYLPHENOL	108	S1#160	95-48-7
16	C360 BIS(2-CHLOROISOPROPYL)E	45	S1#165	108-60-1
17	C365 4-METHYLPHENOL	108	S1#185	106-44-5
18	C370 N-NITROSO-DI-N-PROPYLAM	70	S1#190SP	621-64-7
19	C375 HEXACHLOROETHANE	117	S1#200	67-72-1
20	CS20 NITROBENZENE-D5	82	SS2# 02	4165-60-0
21	C410 NITROBENZENE	77	S2# 10	98-95-3
22	C415 ISOPHORONE	82	S2# 20	75-59-1
23	C420 2-NITROPHENOL	139	S2# 25CC	88-75-5
24	C425 2,4-DIMETHYLPHENOL	107	S2# 30	105-67-9
25	C435 BIS(2-CHLOROETHOXY)METH	93	S2# 35	111-91-1
26	C430 BENZOIC ACID	122	S2# 45	65-85-0
27	C440 2,4-DICHLOROPHENOL	162	S2# 40	120-83-2
28	C445 1,2,4-TRICHLOROBENZENE	180	S2# 55	120-82-1
29	C450 NAPHTHALENE	128	S2# 60	91-20-3
30	C455 4-CHLOROANALINE	127	S2# 80	106-47-8
31	C460 HEXACHLOROBUTADIENE	225	S2# 95CC	87-68-3
32	C465 4-CHLORO-3-METHYLPHENO	107	S2#130CC	59-50-7
33	C470 2-METHYLNAPHTHALENE	142	S2#145	91-57-6
34	C510 HEXACHLOROCYCLOPENTADI	237	S3# 20	77-47-4
35	C515 2,4,6-TRICHLOROPHENOL	196	S3# 25CC	88-06-2
36	CI60 PHENANTHRENE-D10	188	IS4# 01	1517-22-2
37	C520 2,4,5-TRICHLOROPHENOL	196	S3# 30	95-95-4
38	CS25 2-FLUOROBIPHENYL	172	SS3# 03	321-60-8
39	C525 2-CHLORONAPHTHALENE	162	S3# 40	91-58-7
40	C530 2-NITROANALINE	65	S3# 45	88-74-4
41	C535 DIMETHYLPHTHALATE	163	S3# 55	131-11-3
42	C540 ACENAPHTHYLENE	152	S3# 65	208-96-8
43	C543 2,6-DINITROTOLUENE	165	S3# 70	606-20-2
44	C545 3-NITROANILINE	138	S3# 75	99-09-2
45	C550 ACENAPHTHENE	153	S3# 80CC	83-32-9
46	C555 2,4-DINITROPHENOL	184	S3# 85SP	51-28-5
47	C560 4-NITROPHENOL	109	S3# 95SP	100-02-7

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	745	9:19	1	1.000	A BV	22808.	40.000	UG/ML	0.60
2	74	367	4:35	1	0.493	A BB	61432.	82.232	UG/ML	1.23
3	112	544	6:48	1	0.730	A BB	157495.	153.035	UG/ML	2.28
4	99	693	8:40	1	0.930	A BB	185947.	152.845	UG/ML	2.28
5	94	695	8:41	1	0.933	A BB	109187.	75.946	UG/ML	1.13
6	93	698	8:43	1	0.937	A BV	118856.	76.301	UG/ML	1.14
7	93	708	8:51	1	0.950	A VV	83670.	78.505	UG/ML	1.17
8	128	715	8:56	1	0.960	A BV	69625.	75.735	UG/ML	1.13
9	146	739	9:14	1	0.992	A BV	74721.	77.957	UG/ML	1.16
10	136	986	12:19	10	1.000	A BB	81306.	40.000	UG/ML	0.60
11	164	1345	16:49	11	1.000	A BB	37287.	40.000	UG/ML	0.60
12	146	748	9:21	1	1.004	A VB	77985.	77.267	UG/ML	1.15
13	108	776	9:42	1	1.042	A BB	44002.	75.088	UG/ML	1.12
14	146	782	9:46	1	1.050	A BB	70983.	77.570	UG/ML	1.16
15	108	798	9:58	1	1.071	A BV	63457.	75.599	UG/ML	1.13
16	45	804	10:03	1	1.079	A BB	127806.	76.603	UG/ML	1.14
17	108	826	10:19	1	1.109	A BB	66198.	74.522	UG/ML	1.11
18	70	834	10:25	1	1.119	A BB	59046.	75.377	UG/ML	1.12
19	117	837	10:28	1	1.123	A BB	30129.	76.828	UG/ML	1.15
20	82	853	10:40	10	0.865	A BB	79146.	78.732	UG/ML	1.17
21	77	856	10:42	10	0.868	A BV	78319.	80.450	UG/ML	1.20
22	82	903	11:17	10	0.916	A BV	144228.	78.465	UG/ML	1.17
23	139	916	11:27	10	0.929	A BB	36940.	80.354	UG/ML	1.20
24	107	926	11:34	10	0.939	A BB	58747.	78.277	UG/ML	1.17
25	93	946	11:49	10	0.959	A BB	90332.	79.353	UG/ML	1.18
26	122	956	11:57	10	0.970	A BB	21192.	60.397	UG/ML	0.90
27	162	961	12:01	10	0.975	A BB	43806.	78.486	UG/ML	1.17
28	180	978	12:13	10	0.992	A BB	50050.	78.619	UG/ML	1.17
29	128	990	12:22	10	1.004	A BV	184829.	79.496	UG/ML	1.18
30	127	1005	12:34	10	1.019	A BB	71899.	78.526	UG/ML	1.17
31	225	1026	12:49	10	1.041	A BV	23904.	77.730	UG/ML	1.16
32	107	1102	13:46	10	1.118	A BB	49203.	75.318	UG/ML	1.12
33	142	1128	14:06	10	1.144	A BB	107635.	77.975	UG/ML	1.16
34	237	1174	14:40	11	0.873	A BB	25683.	82.625	UG/ML	1.23
35	196	1191	14:53	11	0.886	A BV	27271.	80.051	UG/ML	1.19
36	188	1650	20:37	36	1.000	A BV	48671.	40.000	UG/ML	0.60
37	196	1198	14:58	11	0.891	A VB	24011.	72.192	UG/ML	1.08
38	172	1208	15:06	11	0.898	A BV	109068.	80.131	UG/ML	1.19
39	162	1227	15:20	11	0.912	A BV	97107.	81.303	UG/ML	1.21
40	65	1256	15:42	11	0.934	A BB	34841.	76.837	UG/ML	1.15
41	163	1303	16:17	11	0.969	A BB	98120.	77.233	UG/ML	1.15
42	152	1313	16:25	11	0.976	A BB	147535.	79.050	UG/ML	1.18
43	165	1316	16:27	11	0.978	A BB	24683.	74.328	UG/ML	1.11
44	138	1342	16:46	11	0.998	A BB	25549.	89.638	UG/ML	1.34
45	153	1353	16:55	11	1.006	A BB	90233.	78.875	UG/ML	1.18
46	184	1362	17:01	11	1.013	A BB	11352.	94.118	UG/ML	1.40
47	109	1377	17:13	11	1.024	A BV	8596.	77.801	UG/ML	1.16
48	168	1385	17:19	11	1.030	A BB	122268.	78.079	UG/ML	1.16
49	165	1395	17:26	11	1.037	A BB	28072.	74.788	UG/ML	1.11
50	149	1450	18:07	11	1.078	A BB	91535.	75.490	UG/ML	1.13

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:31	1.02	0.487	1.01	82.23	50.00	2.155	1.310	1.64
3	6:45	1.01	0.728	1.00	153.04	100.00	2.762	1.805	1.53
4	8:36	1.01	0.927	1.00	152.85	100.00	3.261	2.134	1.53
5	8:37	1.01	0.930	1.00	75.95	50.00	3.830	2.521	1.52
6	8:40	1.01	0.934	1.00	76.30	50.00	4.169	2.732	1.53
7	8:48	1.01	0.949	1.00	78.51	50.00	2.935	1.869	1.57
8	8:53	1.01	0.958	1.00	75.73	50.00	2.442	1.612	1.51
9	9:12	1.00	0.992	1.00	77.96	50.00	2.621	1.681	1.56
10	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
11	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
12	9:19	1.00	1.004	1.00	77.27	50.00	2.735	1.770	1.55
13	9:39	1.01	1.040	1.00	75.09	50.00	1.543	1.028	1.50
14	9:44	1.00	1.050	1.00	77.57	50.00	2.490	1.605	1.55
15	9:55	1.01	1.070	1.00	75.60	50.00	2.226	1.472	1.51
16	10:01	1.00	1.080	1.00	76.60	50.00	4.483	2.926	1.53
17	10:16	1.00	1.108	1.00	74.52	50.00	2.322	1.558	1.49
18	10:22	1.01	1.117	1.00	75.38	50.00	2.071	1.374	1.51
19	10:26	1.00	1.125	1.00	76.83	50.00	1.057	0.688	1.54
20	10:37	1.00	0.864	1.00	78.73	50.00	0.779	0.495	1.57
21	10:40	1.00	0.868	1.00	80.45	50.00	0.771	0.479	1.61
22	11:14	1.00	0.915	1.00	78.47	50.00	1.419	0.904	1.57
23	11:25	1.00	0.929	1.00	80.35	50.00	0.363	0.226	1.61
24	11:31	1.00	0.938	1.00	78.28	50.00	0.578	0.369	1.57
25	11:47	1.00	0.959	1.00	79.35	50.00	0.889	0.560	1.59
26	11:51	1.01	0.964	1.01	60.40	50.00	0.209	0.173	1.21
27	11:58	1.00	0.975	1.00	78.49	50.00	0.431	0.275	1.57
28	12:11	1.00	0.992	1.00	78.62	50.00	0.492	0.313	1.57
29	12:20	1.00	1.004	1.00	79.50	50.00	1.819	1.144	1.59
30	12:31	1.00	1.019	1.00	78.53	50.00	0.707	0.450	1.57
31	12:48	1.00	1.042	1.00	77.73	50.00	0.235	0.151	1.55
32	13:45	1.00	1.119	1.00	75.32	50.00	0.484	0.321	1.51
33	14:04	1.00	1.144	1.00	77.97	50.00	1.059	0.679	1.56
34	14:39	1.00	0.873	1.00	82.62	50.00	0.551	0.333	1.65
35	14:51	1.00	0.885	1.00	80.05	50.00	0.585	0.365	1.60
36	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
37	14:56	1.00	0.890	1.00	72.19	50.00	0.515	0.357	1.44
38	15:04	1.00	0.898	1.00	80.13	50.00	2.340	1.460	1.60
39	15:18	1.00	0.911	1.00	81.30	50.00	2.083	1.281	1.63
40	15:40	1.00	0.933	1.00	76.84	50.00	0.748	0.486	1.54
41	16:15	1.00	0.968	1.00	77.23	50.00	2.105	1.363	1.54
42	16:23	1.00	0.976	1.00	79.05	50.00	3.165	2.002	1.58
43	16:25	1.00	0.978	1.00	74.33	50.00	0.530	0.356	1.49
44	16:44	1.00	0.997	1.00	89.64	50.00	0.548	0.306	1.79
45	16:52	1.00	1.005	1.00	78.88	50.00	1.936	1.227	1.58
46	16:59	1.00	1.012	1.00	94.12	50.00	0.244	0.129	1.88
47	17:10	1.00	1.022	1.00	77.80	50.00	0.184	0.119	1.56
48	17:16	1.00	1.029	1.00	78.08	50.00	2.623	1.680	1.56
49	17:24	1.00	1.036	1.00	74.79	50.00	0.602	0.403	1.50
50	18:05	1.00	1.077	1.00	75.49	50.00	1.964	1.301	1.51

Quantitation Report File: STDR097

01865

Data: STDR097.TI
04/16/87 10:14:00
Sample: 80 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
53	C595	4-NITROANALINE	138	S3#150	100-01-6
54	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
55	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
56		AZOBENZENE	77	S4# 20	103-33-3
57	C855	2,4,6-TRIBROMOPHENOL	330S	S3# 02	118-79-6
58	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	CI70	CHRYSENE-D12	240I	S5# 01	1719-03-5
61	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
62	C640	PHENANTHRENE	178	S4# 65	85-01-8
63	C645	ANTHRACENE	178	S4# 70	120-12-7
64	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
65	C655	FLUORANTHENE	202	S4#110CC	206-44-0
66	CI75	PERYLENE-D12	164I	S6# 01	1520-96-3
67		BENZIDINE	184	S5# 10	92-81-5
68	C715	PYRENE	202	S5# 15	129-00-0
69	CS30	TERPHENYL-D14	244S	S5# 02	1718-51-0
70	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
71	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
72	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
73	C740	CHRYSENE	228	S5# 60	218-01-9
74	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
75	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
76	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
77	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
78	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
79	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
80	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2
81	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	166	1456	18:12	11	1.083	A BB	97090.	75.954	UG/ML	1.13
52	204	1457	18:13	11	1.083	A BB	38488.	76.372	UG/ML	1.14
53	138	1471	18:23	11	1.094	A VB	19122.	107.056	UG/ML	1.60
54	198	1480	18:30	36	0.897	A VB	12494.	74.191	UG/ML	1.11
55	169	1485	18:34	36	0.900	A BB	63127.	82.324	UG/ML	1.23
56	77	1491	18:38	36	0.904	A VB	139540.	84.785	UG/ML	1.26
57	330	1510	18:52	11	1.123	A BB	22161.	148.832	UG/ML	2.22
58	248	1558	19:28	36	0.944	A BV	23451.	82.834	UG/ML	1.23
59	284	1587	19:50	36	0.962	A BB	26338.	82.320	UG/ML	1.23
60	240	2210	27:37	60	1.000	A BB	24643.	40.000	UG/ML	0.60
61	266	1624	20:18	36	0.984	A BB	14310.	87.977	UG/ML	1.31
62	178	1655	20:41	36	1.003	A BV	118463.	78.958	UG/ML	1.18

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
63	178	1665	20:49	36	1.009	A VB	119243.	78.534	UG/ML	1.17
64	149	1787	22:20	36	1.083	A BB	139255.	77.734	UG/ML	1.16
65	202	1905	23:49	36	1.155	A BB	93215.	78.160	UG/ML	1.17
66	264	2504	31:18	66	1.000	A BB	16230.	40.000	UG/ML	0.60
67	184	1934	24:10	60	0.875	A BB	28470.	246.607	UG/ML	3.68
68	202	1952	24:24	60	0.883	A VB	90691.	78.347	UG/ML	1.17
69	244	1988	24:51	60	0.900	A BB	56613.	79.795	UG/ML	1.19
70	149	2101	26:16	60	0.951	A BV	41486.	78.479	UG/ML	1.17
71	252	2205	27:34	60	0.998	A BB	28951.	253.437	UG/ML	3.78
72	228	2206	27:34	60	0.998	A BV	61687.	81.366	UG/ML	1.21
73	228	2216	27:42	60	1.003	A VB	55463.	79.628	UG/ML	1.19
74	149	2229	27:52	60	1.009	A BB	59306.	78.176	UG/ML	1.17
75	149	2357	29:28	66	0.941	A BB	85331.	73.821	UG/ML	1.10
76	252	2427	30:20	66	0.969	A BV	49370.	83.163	UG/ML	1.24
77	252	2433	30:25	66	0.972	A VB	41057.	63.709	UG/ML	0.95
78	252	2493	31:10	66	0.996	A BB	38643.	80.277	UG/ML	1.20
79	276	2774	34:40	66	1.108	A BB	33174.	78.190	UG/ML	1.17
80	276	2774	34:40	66	1.108	A BB	33174.	79.052	UG/ML	1.18
81	278	2781	34:46	66	1.111	A BB	26866.	82.613	UG/ML	1.23

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	18:10	1.00	1.083	1.00	75.95	50.00	2.083	1.371	1.52
52	18:11	1.00	1.083	1.00	76.37	50.00	0.826	0.541	1.53
53	18:19	1.00	1.092	1.00	107.06	50.00	0.410	0.192	2.14
54	18:27	1.00	0.896	1.00	74.19	50.00	0.205	0.138	1.48
55	18:31	1.00	0.899	1.00	82.32	50.00	1.038	0.630	1.65
56	18:36	1.00	0.903	1.00	84.78	50.00	2.294	1.353	1.70
57	18:51	1.00	1.123	1.00	148.83	100.00	0.238	0.160	1.49
58	19:27	1.00	0.944	1.00	82.83	50.00	0.385	0.233	1.66
59	19:49	1.00	0.962	1.00	82.32	50.00	0.433	0.263	1.65
60	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	20:16	1.00	0.984	1.00	87.98	50.00	0.235	0.134	1.76
62	20:40	1.00	1.003	1.00	78.96	50.00	1.947	1.233	1.58
63	20:46	1.00	1.008	1.00	78.53	50.00	1.960	1.248	1.57
64	22:19	1.00	1.083	1.00	77.73	50.00	2.289	1.472	1.55
65	23:47	1.00	1.155	1.00	78.16	50.00	1.532	0.980	1.56
66	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
67	24:09	1.00	0.875	1.00	246.61	100.00	0.462	0.187	2.47
68	24:22	1.00	0.883	1.00	78.35	50.00	2.944	1.879	1.57
69	24:50	1.00	0.900	1.00	79.80	50.00	1.838	1.152	1.60
70	26:14	1.00	0.951	1.00	78.48	50.00	1.347	0.858	1.57
71	27:31	1.00	0.997	1.00	253.44	100.00	0.470	0.185	2.53
72	27:33	1.00	0.998	1.00	81.37	50.00	2.003	1.231	1.63
73	27:40	1.00	1.003	1.00	79.63	50.00	1.801	1.131	1.59
74	27:50	1.00	1.009	1.00	78.18	50.00	1.925	1.231	1.56
75	29:26	1.00	0.941	1.00	73.82	50.00	4.206	2.849	1.48
76	30:19	1.00	0.969	1.00	83.16	50.00	2.433	1.463	1.66
77	30:22	1.00	0.971	1.00	63.71	50.00	2.024	1.588	1.27
78	31:07	1.00	0.995	1.00	80.28	50.00	1.905	1.186	1.61
79	34:37	1.00	1.107	1.00	78.19	50.00	1.635	1.046	1.56
80	34:37	1.00	1.107	1.00	79.05	50.00	1.635	1.034	1.58
81	34:41	1.00	1.109	1.00	82.61	50.00	1.324	0.801	1.65

RMAL QUANTITATION SUMMARY FILE: STDR098
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	746	1	23155.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	986	2	81545.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1346	3	37037.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1650	4	48700.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2211	5	23317.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2504	6	15201.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	854	2	120643.	1.184	119.660
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1209	3	158967.	3.434	117.579
9	S5# 2	CS30 TERPHENYL-D14	244	1989	5	85032.	2.917	126.667
10	S1# 3	CS45 PHENOL-D5	99	695	1	282409.	4.879	228.656
11	S1# 2	CS50 2-FLUOROPHENOL	112	545	1	244524.	4.224	234.039
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1511	3	32999.	0.356	223.115
13	S1# 15	N-NITROSODIMETHYLAMINE	74	369	1	93458.	3.229	123.226
14	S1#100	ANILINE	93	701	1	183359.	6.335	115.945
15	S1#105	C315 PHENOL	94	697	1	164020.	5.667	112.375
16	S1#110	C325 BIS(2-CHLOROETHYL)E	93	710	1	124915.	4.316	115.448
17	S1#115	C330 2-CHLOROPHENOL	128	716	1	107566.	3.716	115.251
18	S1#125	C335 1,3-DICHLOROBENZENE	146	740	1	113797.	3.932	116.946
19	S1#130	C340 1,4-DICHLOROBENZENE	146	749	1	118874.	4.107	116.015
20	S1#145	C345 BENZYL ALCOHOL	108	778	1	68874.	2.380	115.768
21	S1#150	C350 1,2-DICHLOROBENZENE	146	782	1	108187.	3.738	116.455
22	S1#160	C355 2-METHYLPHENOL	108	799	1	96426.	3.331	113.154
23	S1#165	C360 BIS(2-CHLOROISOPROP	45	805	1	192613.	6.655	113.716
24	S1#185	C365 4-METHYLPHENOL	108	828	1	98783.	3.413	109.538
25	S1#190	C370 N-NITROSO-DI-N-PROP	70	837	1	89227.	3.083	112.198
26	S1#200	C375 HEXACHLOROETHANE	117	838	1	45793.	1.582	115.021
27	S2# 10	C410 NITROBENZENE	77	858	2	116985.	1.148	119.817
28	S2# 20	C415 ISOPHORONE	82	906	2	215489.	2.114	116.891
29	S2# 25	C420 2-NITROPHENOL	139	917	2	54472.	0.534	118.144
30	S2# 30	C425 2,4-DIMETHYLPHENOL	107	927	2	88378.	0.867	117.414
31	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	947	2	133502.	1.310	116.932
32	S2# 40	C440 2,4-DICHLOROPHENOL	162	962	2	65965.	0.647	117.842
33	S2# 45	C430 BENZOIC ACID	122	961	2	42264.	0.415	120.100
34	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	979	2	74872.	0.735	117.266
35	S2# 60	C450 NAPHTHALENE	128	991	2	273826.	2.686	117.429
36	S2# 80	C455 4-CHLOROANALINE	127	1006	2	108343.	1.063	117.984
37	S2# 95	C460 HEXACHLOROBUTADIENE	225	1027	2	35556.	0.349	115.281
38	S2#130	C465 4-CHLORO-3-METHYLPH	107	1103	2	73290.	0.719	111.860
39	S2#145	C470 2-METHYLNAPHTHALENE	142	1129	2	158958.	1.559	114.818
40	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1175	3	38244.	0.826	123.865
41	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1192	3	43217.	0.933	127.715
42	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1199	3	33850.	0.731	102.464
43	S3# 40	C525 2-CHLORONAPHTHALENE	162	1227	3	142392.	3.076	120.022
44	S3# 45	C530 2-NITROANALINE	65	1257	3	50797.	1.097	112.781
45	S3# 55	C535 DIMETHYLPHTHALATE	163	1304	3	140495.	3.035	111.334
46	S3# 65	C540 ACENAPHTHYLENE	152	1314	3	215001.	4.644	115.975
47	S3# 70	C543 2,6-DINITROTOLUENE	165	1317	3	35930.	0.776	108.927
48	S3# 75	C545 3-NITROANILINE	138	1344	3	37710.	0.815	133.198
49	S3# 80	C550 ACENAPHTHENE	153	1353	3	132025.	2.852	116.186
50	S3# 85	C555 2,4-DINITROPHENOL	184	1363	3	18621.	0.402	155.427
51	S3# 90	C565 DIBENZOFURAN	168	1386	3	178617.	3.858	114.833
52	S3# 95	C560 4-NITROPHENOL	109	1378	3	12688.	0.274	115.612
53	S3#105	C570 2,4-DINITROTOLUENE	165	1396	3	40892.	0.883	109.678
54	S3#130	C580 DIETHYLPHTHALATE	149	1451	3	132312.	2.858	109.856
55	S3#135	C590 FLUORENE	166	1458	3	141556.	3.058	111.487
56	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1459	3	55505.	1.199	110.882
57	S3#150	C595 4-NITROANALINE	138	1474	3	37255.	0.805	209.980
58	S4# 10	C610 4,6-DINITRO-2-METHY	198	1482	4	17117.	0.281	101.586
59	S4# 15	C615 N-NITROSODIPHENYLAM	169	1487	4	91651.	1.506	119.450
60	S4# 20	AZOBENZENE	77	1492	4	203721.	3.347	123.708
61	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1559	4	34468.	0.566	121.676
62	S4# 40	C630 HEXACHLOROBENZENE	284	1588	4	37761.	0.620	117.953
63	S4# 50	C635 PENTACHLOROPHENOL	266	1625	4	21093.	0.346	129.601
64	S4# 65	C640 PHENANTHRENE	178	1656	4	173200.	2.845	115.373
65	S4# 70	C645 ANTHRACENE	178	1666	4	172707.	2.837	113.678
66	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1788	4	210758.	3.462	117.578
67	S4#110	C655 FLUORANTHENE	202	1906	4	140255.	2.304	117.532
68	S5# 10	BENZIDINE	184	1934	5	55901.	0.959	511.752
69	S5# 15	C715 PYRENE	202	1953	5	133738.	4.589	122.104
70	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2101	5	62016.	2.128	123.988
71	S5# 50	C730 BENZO(A)ANTHRACENE	228	2207	5	87132.	2.989	121.463
72	S5# 55	C725 3,3'-DICHLOROBENZID	252	2206	5	48120.	0.825	445.197
73	S5# 60	C740 CHRYSENE	228	2217	5	77076.	2.644	116.951
74	S5# 65	C745 BIS(2-ETHYLHEXYL)PH	149	2230	5	92914.	3.188	129.442

75	S6#	10	C760	DI-N-OCTYL PHTHALAT	14	58	6	1	2.	.	117.	086
76	S6#	15	C765	BENZO(B)FLUORANTHEN	252	2429	6		73211.	3. 853	131.	673
77	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2434	6		69218.	3. 643	114.	678
78	S6#	35	C775	BENZO(A)PYRENE	252	2494	6		55920.	2. 943	124.	031
79	S6#	55	C780	INDENO(1, 2, 3-CD)PYR	276	2776	6		48712.	2. 564	122.	584
80	S6#	60	C785	DIBENZ(A, H)ANTHRACE	278	2784	6		40723.	2. 143	133.	699
81	S6#	65	C790	BENZO(G, H, I)PERYLEN	276	2776	6		48712.	2. 564	123.	936

TCA FINISHED, 81 FOUND
FINISHED AT: 5/04/88 12:46:17

01869

RMAL QUANTITATION SUMMARY FILE: STDR097
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	745	1	22808.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	986	2	81306.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1345	3	37287.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1650	4	48671.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2210	5	24643.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2504	6	16230.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	853	2	79146.	0.779	78.732
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1208	3	109068.	2.340	80.131
9	S5# 2	CS30 TERPHENYL-D14	244	1988	5	56613.	1.838	79.795
10	S1# 3	CS45 PHENOL-D5	99	693	1	185947.	3.261	152.845
11	S1# 2	CS50 2-FLUOROPHENOL	112	544	1	157495.	2.762	153.036
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1510	3	22161.	0.238	148.832
13	S1# 15	N-NITROSODIMETHYLAMINE	74	367	1	61432.	2.155	82.232
14	S1#100	ANILINE	93	698	1	118856.	4.169	76.301
15	S1#105	C315 PHENOL	94	695	1	109187.	3.830	75.946
16	S1#110	C325 BIS(2-CHLOROETHYL)E	93	708	1	83670.	2.935	78.505
17	S1#115	C330 2-CHLOROPHENOL	128	715	1	69625.	2.442	75.735
18	S1#125	C335 1,3-DICHLOROBENZENE	146	739	1	74721.	2.621	77.957
19	S1#130	C340 1,4-DICHLOROBENZENE	146	748	1	77985.	2.735	77.267
20	S1#145	C345 BENZYL ALCOHOL	108	776	1	44002.	1.543	75.088
21	S1#150	C350 1,2-DICHLOROBENZENE	146	782	1	70983.	2.490	77.570
22	S1#160	C355 2-METHYLPHENOL	108	798	1	63457.	2.226	75.599
23	S1#165	C360 BIS(2-CHLOROISOPROP	45	804	1	127806.	4.483	76.603
24	S1#185	C365 4-METHYLPHENOL	108	826	1	66198.	2.322	74.522
25	S1#190	C370 N-NITROSO-DI-N-PROP	70	834	1	59046.	2.071	75.377
26	S1#200	C375 HEXACHLOROETHANE	117	837	1	30129.	1.057	76.828
27	S2# 10	C410 NITROBENZENE	77	856	2	78319.	0.771	80.450
28	S2# 20	C415 ISOPHORONE	82	903	2	144228.	1.419	78.465
29	S2# 25	C420 2-NITROPHENOL	139	916	2	36940.	0.363	80.354
30	S2# 30	C425 2,4-DIMETHYLPHENOL	107	926	2	58747.	0.578	78.277
31	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	946	2	90332.	0.889	79.353
32	S2# 40	C440 2,4-DICHLOROPHENOL	162	961	2	43806.	0.431	78.486
33	S2# 45	C430 BENZOIC ACID	122	956	2	21192.	0.209	60.397
34	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	978	2	50050.	0.492	78.619
35	S2# 60	C450 NAPHTHALENE	128	990	2	184829.	1.819	79.496
36	S2# 80	C455 4-CHLOROANALINE	127	1005	2	71899.	0.707	78.526
37	S2# 95	C460 HEXACHLOROBUTADIENE	225	1026	2	23904.	0.235	77.730
38	S2#130	C465 4-CHLORO-3-METHYLPH	107	1102	2	49203.	0.484	75.318
39	S2#145	C470 2-METHYLNAPHTHALENE	142	1128	2	107635.	1.059	77.975
40	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1174	3	25683.	0.551	82.625
41	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1191	3	27271.	0.585	80.051
42	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1198	3	24011.	0.515	72.192
43	S3# 40	C525 2-CHLORONAPHTHALENE	162	1227	3	97107.	2.083	81.303
44	S3# 45	C530 2-NITROANALINE	65	1256	3	34841.	0.748	76.837
45	S3# 55	C535 DIMETHYLPHTHALATE	163	1303	3	98120.	2.105	77.233
46	S3# 65	C540 ACENAPHTHYLENE	152	1313	3	147535.	3.165	79.050
47	S3# 70	C543 2,6-DINITROTOLUENE	165	1316	3	24683.	0.530	74.328
48	S3# 75	C545 3-NITROANILINE	138	1342	3	25549.	0.548	89.638
49	S3# 80	C550 ACENAPHTHENE	153	1353	3	90233.	1.936	78.875
50	S3# 85	C555 2,4-DINITROPHENOL	184	1362	3	11352.	0.244	94.118
51	S3# 90	C565 DIBENZOFURAN	168	1385	3	122268.	2.623	78.079
52	S3# 95	C560 4-NITROPHENOL	109	1377	3	8596.	0.184	77.801
53	S3#105	C570 2,4-DINITROTOLUENE	165	1395	3	28072.	0.602	74.788
54	S3#130	C580 DIETHYLPHTHALATE	149	1450	3	91535.	1.964	75.490
55	S3#135	C590 FLUORENE	166	1456	3	97090.	2.083	75.954
56	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1457	3	38488.	0.826	76.372
57	S3#150	C595 4-NITROANALINE	138	1471	3	19122.	0.410	107.057
58	S4# 10	C610 4,6-DINITRO-2-METHY	198	1480	4	12494.	0.205	74.191
59	S4# 15	C615 N-NITROSODIPHENYLAM	169	1485	4	63127.	1.038	82.324
60	S4# 20	AZOBENZENE	77	1491	4	139540.	2.294	84.785
61	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1558	4	23451.	0.385	82.834
62	S4# 40	C630 HEXACHLOROBENZENE	284	1587	4	26338.	0.433	82.320
63	S4# 50	C635 PENTACHLOROPHENOL	266	1624	4	14310.	0.235	87.977
64	S4# 65	C640 PHENANTHRENE	178	1655	4	118463.	1.947	78.958
65	S4# 70	C645 ANTHRACENE	178	1665	4	119243.	1.960	78.534
66	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1787	4	139255.	2.289	77.734
67	S4#110	C655 FLUORANTHENE	202	1905	4	93215.	1.532	78.160
68	S5# 10	BENZIDINE	184	1934	5	28470.	0.462	246.607
69	S5# 15	C715 PYRENE	202	1952	5	90691.	2.944	78.347
70	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2101	5	41486.	1.347	78.479
71	S5# 50	C730 BENZO(A)ANTHRACENE	228	2206	5	61687.	2.003	81.366
72	S5# 55	C725 3,3'-DICHLOROBENZID	252	2205	5	28951.	0.470	253.437

73	S5#	60	C740	CHRYSEN	22	16	5				
74	S5#	65	C745	BIS(2-ETHYLHEXYL)PH	149	2229	5	59306.	1.925	78.176	
75	S6#	10	C760	DI-N-OCTYL PHTHALAT	149	2357	6	85331.	4.206	73.821	
76	S6#	15	C765	BENZO(B)FLUORANTHEN	252	2427	6	49370.	2.433	83.163	
77	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2433	6	41057.	2.024	63.709	
78	S6#	35	C775	BENZO(A)PYRENE	252	2493	6	38643.	1.905	80.277	
79	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2774	6	33174.	1.635	78.190	
80	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2781	6	26866.	1.324	82.613	
81	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2774	6	33174.	1.635	79.052	

01871

4/16/87 11:03:11 SCAN 1 OF 2900
Acquisition started

Acquire | Run 2: STDR098 | ACQUIRING
04/16/87 11:03:00 + 0:04 | Free sectors: 9645 | Scan: 5 of 2900
Sample: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: | Instrument: 4500 | Weight: 0.000
Submitted by: RMAL | Analyst: CR | Acct. No:

********** QC PARAMETERS **********

Loaded QC Desc: SK Current QC oven tmp: 30 DegC Injector : 250 DegC
Current QC Desc: SK QC elapsed time : 0: 7 min Int. oven : 250 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			

********** 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

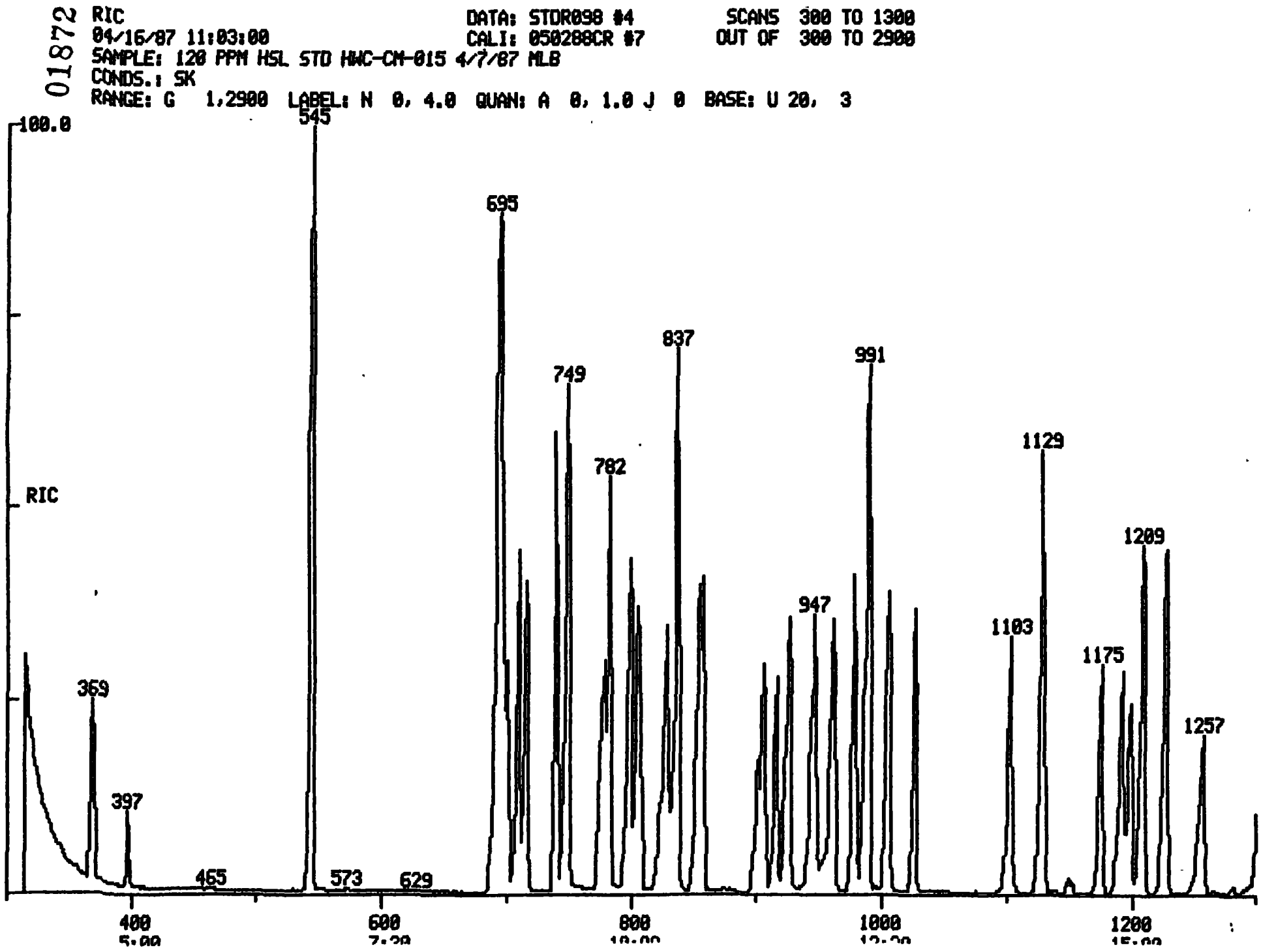
Min Peak Width: 3 | Min Frag Width %: 80 | Min Area: 20
ADC Threshold: 1 | Baseline: 0

***** 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	

4/16/87 11:39:27
ACQUISITION COMPLETED
SCANS 1 TO 2900 Centroid

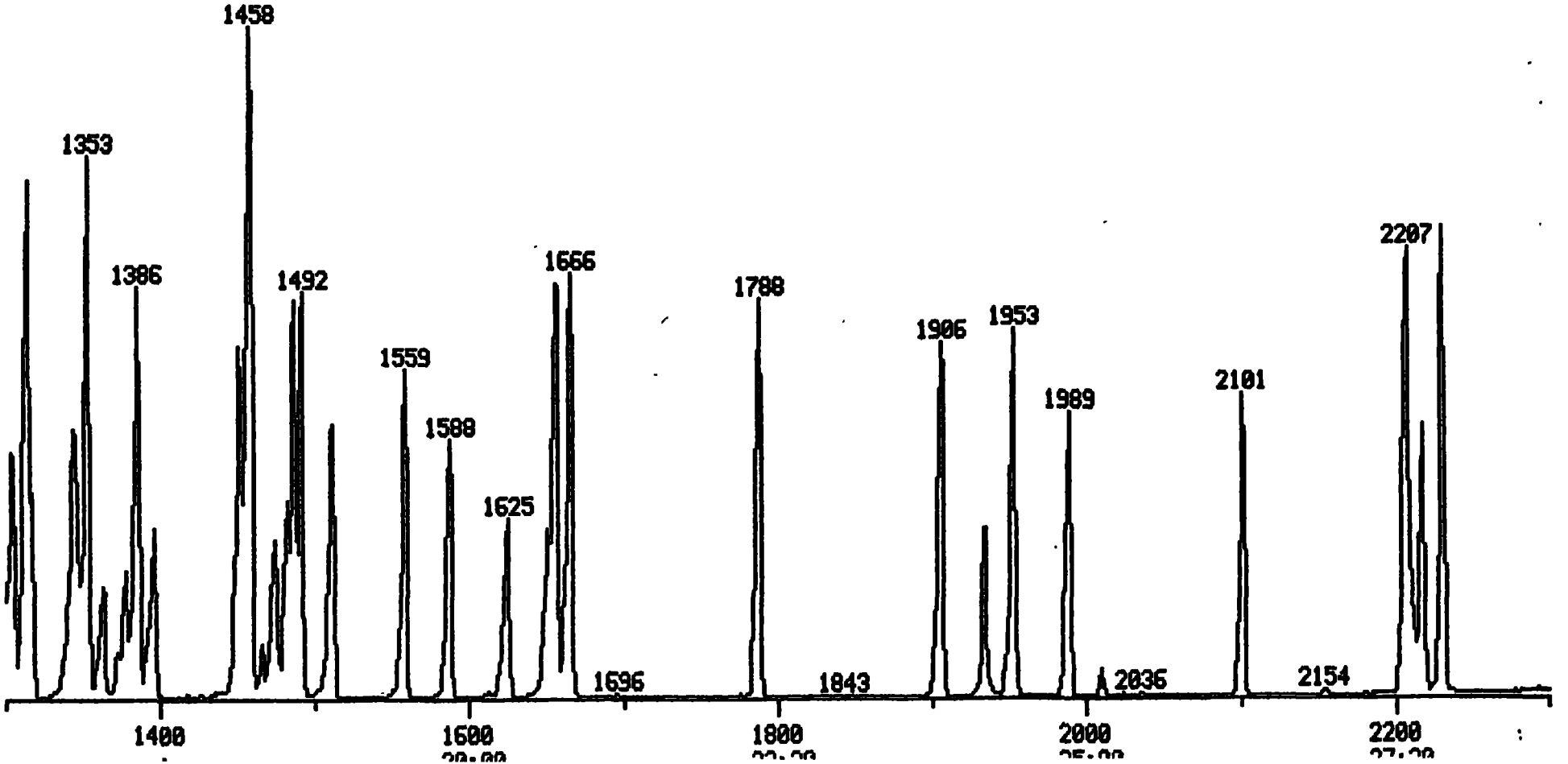
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2900	417.7	2175.0	19.2	121070.	42. 56.


01872
RIC
04/16/87 11:03:00
SAMPLE: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDR098 #4
CALI: 050288CR #7
SCANS 300 TO 1300
OUT OF 300 TO 2900
100.0
RIC
545
695
749
837
782
991
1129
947
1103
1175
1209
1257
369
397
465
573
629
400
600
800
1000
1200

01873

RIC DATA: STDR098 #4 SCANS 1300 TO 2300
04/16/87 11:03:00 CALI: 050288CR #7 OUT OF 300 TO 2900
SAMPLE: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

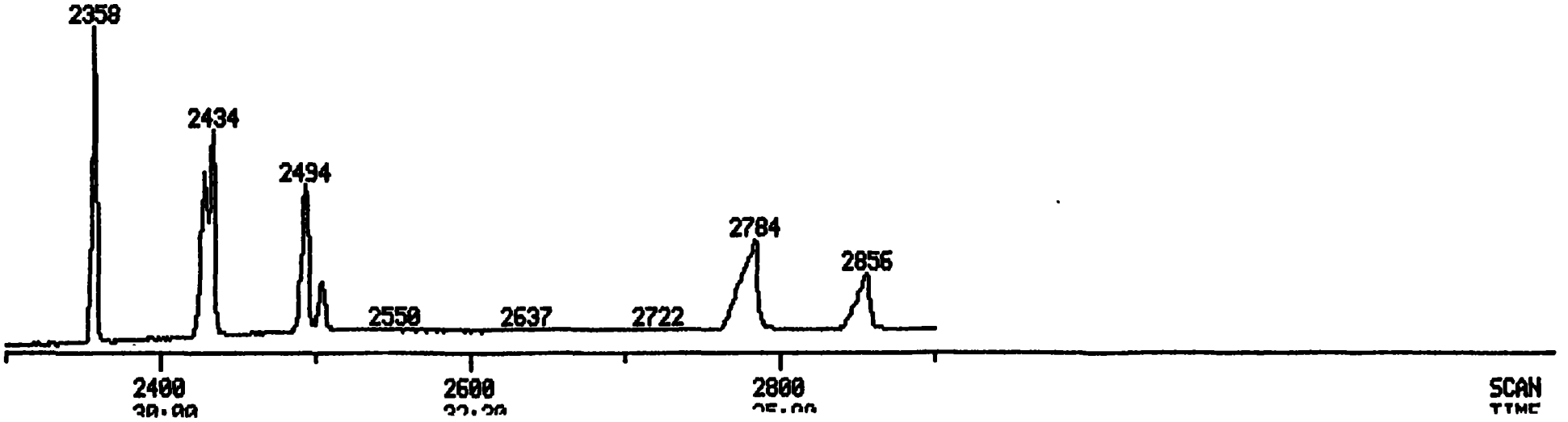
100.0



01874

RIC DATA: STDR098 #4 SCANS 2300 TO 2900
04/16/87 11:03:00 CALI: 050288CR #7 OUT OF 300 TO 2900
SAMPLE: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 259072.



PROCEDURE: TCA DIAGNOSTIC REPORT 5/04/88 12:48:38
DATA FILE: STDR098
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

01875

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	10	124	ISO1/TC01
3	3	1	49	18	18	4	200	ISO2/TC02
3	3	1	49	12	12	2	53	ISO3/TC03
3	3	1	44	18	18	2	60	ISO4/TC04
3	3	1	44	11	11	4	156	ISO5/TC05
3	3	1	80	8	8	1	56	ISO6/TC06
3	3	1	28	15	15	8	62	ISO7/TC07
1	1	1	0	4	4	1	111	ISO8/TC08

81 COMPOUNDS PROCESSED, 81 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	-741	746	746	.	1	970	.	152	746	.	1
2	S1	15	-361	369	369	.	5	991	.	74	369	.	1
3	S1	2	-540	546	545	-1	1	990	-1	112	545	.	1
4	S1	3	-688	693	695	2	1	963	.	99	695	.	1
5	S1	105	-690	695	697	2	1	973	.	94	697	.	1
6	S1	100	-693	698	697	-1	2	990	.	93	.	.	.
7	S1	110	-704	709	710	1	1	975	.	93	710	.	1
8	S1	115	-711	716	716	.	1	991	.	128	716	.	1
9	S1	125	-736	741	740	-1	1	992	.	146	740	.	1
10	S2	1	-982	986	986	.	1	995	.	136	986	.	1
11	S3	1	-1342	1346	1346	.	1	991	.	164	1346	.	1
12	S1	130	-745	750	749	-1	1	992	.	146	749	.	1
13	S1	145	-772	777	778	1	1	999	.	108	778	.	1
14	S1	150	-779	784	782	-2	1	990	.	146	782	.	1
15	S1	160	-794	798	799	1	1	977	.	108	799	.	1
16	S1	165	-801	805	805	.	1	973	.	45	805	.	1
17	S1	185	-822	826	828	2	1	995	.	108	828	.	1
18	S1	190	-829	833	837	4	1	997	.	70	837	.	1
19	S1	200	-835	839	838	-1	1	994	.	117	838	.	1
20	S2	2	-849	853	854	1	1	999	.	82	854	.	1
21	S2	10	-853	857	858	1	1	997	.	77	858	.	1
22	S2	20	-899	903	902	-1	2	977	.	82	.	.	.
23	S2	25	-913	917	917	.	1	990	.	139	917	.	1
24	S2	30	-922	926	927	1	1	994	.	107	927	.	1
25	S2	35	-943	947	947	.	1	1000	.	93	947	.	1
26	S2	45	-948	952	946	-6	2	995	.	122	946	.	1
27	S2	40	-958	962	962	.	1	996	.	162	962	.	1
28	S2	55	-975	979	979	.	1	995	.	180	979	.	1
29	S2	60	-987	991	991	.	1	997	-1	128	991	.	1
30	S2	80	-1002	1006	1006	.	1	988	.	127	1006	.	1
31	S2	95	-1024	1028	1027	-1	1	1000	.	225	1027	.	1
32	S2	130	-1100	1104	1103	-1	1	994	.	107	1103	.	1
33	S2	145	-1125	1129	1129	.	1	990	.	142	1129	.	1
34	S3	20	-1172	1176	1175	-1	1	995	.	237	1175	.	1
35	S3	25	-1188	1192	1192	.	2	997	.	196	1192	.	1
36	S4	1	-1647	1650	1650	.	1	988	.	188	1650	.	1
37	S3	30	-1195	1199	1199	.	2	998	.	196	1199	.	1
38	S3	3	-1206	1210	1209	-1	1	999	.	172	1209	.	1
39	S3	40	-1224	1228	1228	.	1	998	.	162	1227	-1	1
40	S3	45	-1253	1257	1257	.	1	998	.	65	1257	.	1
41	S3	55	-1300	1304	1304	.	1	973	.	163	1304	.	1
42	S3	65	-1311	1315	1314	-1	1	996	.	152	1314	.	1
43	S3	70	-1313	1317	1317	.	1	997	.	165	1317	.	1
44	S3	75	-1339	1343	1344	1	1	998	.	138	1344	.	1
45	S3	80	-1350	1354	1353	-1	1	987	.	153	1353	.	1
46	S3	85	-1359	1363	1363	.	1	991	.	184	1363	.	1
47	S3	95	-1373	1377	1378	1	1	989	.	109	1378	.	1
48	S3	90	-1382	1386	1386	.	1	961	.	168	1386	.	1
49	S3	105	-1392	1396	1396	.	1	993	.	165	1396	.	1
50	S3	130	-1447	1451	1451	.	1	959	.	149	1451	.	1
51	S3	135	-1454	1458	1458	.	1	996	.	166	1458	.	1
52	S3	140	-1455	1459	1459	.	1	976	.	204	1459	.	1
53	S3	150	-1466	1470	1466	-4	2	981	.	138	1466	.	1
54	S4	10	-1476	1480	1482	2	2	964	.	198	1482	.	1
55	S4	15	-1482	1486	1487	1	1	979	.	169	1487	.	1
56	S4	20	-1488	1491	1492	1	1	995	.	77	1492	.	1
57	S3	2	-1508	1511	1511	.	1	998	.	330	1511	.	1
58	S4	30	-1556	1559	1559	.	1	916	.	248	1559	.	1
59	S4	40	-1585	1588	1588	.	1	995	.	284	1588	.	1
60	S5	1	-2207	2211	2211	.	1	946	.	240	2211	.	1
61	S4	50	-1622	1625	1625	.	1	993	.	266	1625	.	1
62	S4	65	-1653	1656	1656	.	1	957	.	178	1656	.	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

64	S4	85	-1785	1788	1788	.	1	941	.	14	1788	.	1
65	S4	110	-1903	1906	1906	.	1	978	.	202	1906	.	1
66	S6	1	-2501	2505	2505	.	1	988	.	264	2504	-1	1
67	S5	10	-1932	1935	1934	-1	1	996	.	184	1934	.	1
68	S5	15	-1950	1953	1953	.	1	992	.	202	1953	.	1
69	S5	2	-1987	1990	1989	-1	1	980	.	244	1989	.	1
70	S5	40	-2099	2102	2101	-1	1	994	.	149	2101	.	1
71	S5	55	-2202	2205	2206	1	1	982	.	252	2206	.	1
72	S5	50	-2204	2207	2207	.	2	995	.	228	2207	.	1
73	S5	60	-2214	2217	2217	.	1	994	.	228	2217	.	1
74	S5	65	-2227	2230	2230	.	1	988	.	149	2230	.	1
75	S6	10	-2355	2359	2358	-1	1	996	.	149	2358	.	1
76	S6	15	-2425	2429	2429	.	2	993	.	252	2429	.	1
77	S6	25	-2430	2434	2434	.	2	994	.	252	2434	.	1
78	S6	35	-2490	2494	2494	.	1	992	.	252	2494	.	1
79	S6	55	-2769	2777	2776	-1	1	989	.	276	2776	.	1
80	S6	65	-2769	2777	2776	-1	1	988	.	276	2776	.	1
81	S6	60	-2775	2783	2784	1	1	990	.	278	2784	.	1

uantitation Report File: STDR098

)ata: STDR098.TI
)4/16/87 11:03:00
3ample: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
:onds.: SK
:ormula: Instrument: 4500 Weight: 0.000
3ubmitted by: RMAL Analyst: CR Acct. No.:

01877

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	N-NITROSODIMETHYLAMINE	74	S1#	15	62-75-9
3	CS50 2-FLUOROPHENOL	112	SS1#	02	367-12-4
4	CS45 PHENOL-D5	99	SS1#	03	4165-62-2
5	C315 PHENOL	94	S1#	105CC	108-95-2
6	ANILINE	93	S1#	100	62-53-3
7	C325 BIS(2-CHLOROETHYL)ETHER	93	S1#	110	111-44-4
8	C330 2-CHLOROPHENOL	128	S2#	115	95-57-8
9	C335 1,3-DICHLOROBENZENE	146	S1#	125	541-73-1
10	CI40 NAPHTHALENE-D8	136	IS2#	01	1146-65-2
11	CI50 ACENAPHTHENE-D10	164	IS3#	01	15067-26-2
12	C340 1,4-DICHLOROBENZENE	146	S1#	130CC	106-46-7
13	C345 BENZYL ALCOHOL	108	S1#	145	100-51-6
14	C350 1,2-DICHLOROBENZENE	146	S1#	150	95-50-1
15	C355 2-METHYLPHENOL	108	S1#	160	95-48-7
16	C360 BIS(2-CHLOROISOPROPYL)E	45	S1#	165	108-60-1
17	C365 4-METHYLPHENOL	108	S1#	185	106-44-5
18	C370 N-NITROSO-DI-N-PROPYLAM	70	S1#	190SP	621-64-7
19	C375 HEXACHLOROETHANE	117	S1#	200	67-72-1
20	CS20 NITROBENZENE-D5	82	SS2#	02	4165-60-0
21	C410 NITROBENZENE	77	S2#	10	98-95-3
22	C415 ISOPHORONE	82	S2#	20	75-59-1
23	C420 2-NITROPHENOL	139	S2#	25CC	88-75-5
24	C425 2,4-DIMETHYLPHENOL	107	S2#	30	105-67-9
25	C435 BIS(2-CHLOROETHOXY)METH	93	S2#	35	111-91-1
26	C430 BENZOIC ACID	122	S2#	45	65-85-0
27	C440 2,4-DICHLOROPHENOL	162	S2#	40	120-83-2
28	C445 1,2,4-TRICHLOROBENZENE	180	S2#	55	120-82-1
29	C450 NAPHTHALENE	128	S2#	60	91-20-3
30	C455 4-CHLOROANALINE	127	S2#	80	106-47-8
31	C460 HEXACHLOROBUTADIENE	225	S2#	95CC	87-68-3
32	C465 4-CHLORO-3-METHYLPHENO	107	S2#	130CC	59-50-7
33	C470 2-METHYLNAPHTHALENE	142	S2#	145	91-57-6
34	C510 HEXACHLOROCYCLOPENTADI	237	S3#	20	77-47-4
35	C515 2,4,6-TRICHLOROPHENOL	196	S3#	25CC	88-06-2
36	CI60 PHENANTHRENE-D10	188	IS4#	01	1517-22-2
37	C520 2,4,5-TRICHLOROPHENOL	196	S3#	30	95-95-4
38	CS25 2-FLUOROBIPHENYL	172	SS3#	03	321-60-8
39	C525 2-CHLORONAPHTHALENE	162	S3#	40	91-58-7
40	C530 2-NITROANALINE	65	S3#	45	88-74-4
41	C535 DIMETHYLPHTHALATE	163	S3#	55	131-11-3
42	C540 ACENAPHTHYLENE	152	S3#	65	208-96-8
43	C543 2,6-DINITROTOLUENE	165	S3#	70	606-20-2
44	C545 3-NITROANILINE	138	S3#	75	99-09-2
45	C550 ACENAPHTHENE	153	S3#	80CC	83-32-9
46	C555 2,4-DINITROPHENOL	184	S3#	85SP	51-28-5
47	C560 4-NITROPHENOL	109	S3#	95SP	100-02-7

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

01878

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	746	9:19	1	1.000	A BB	23155.	40.000	UG/ML	0.41
2	74	369	4:37	1	0.495	A BB	93458.	123.226	UG/ML	1.27
3	112	545	6:49	1	0.731	A BB	244524.	234.039	UG/ML	2.40
4	99	695	8:41	1	0.932	A BB	282409.	228.655	UG/ML	2.35
5	94	697	8:43	1	0.934	A BV	164020.	112.375	UG/ML	1.15
6	NOT	FOUND								
7	93	710	8:52	1	0.952	A VB	124915.	115.448	UG/ML	1.19
8	128	716	8:57	1	0.960	A BB	107566.	115.251	UG/ML	1.18
9	146	740	9:15	1	0.992	A BV	113797.	116.946	UG/ML	1.20
10	136	986	12:19	10	1.000	A VB	81545.	40.000	UG/ML	0.41
11	164	1346	16:49	11	1.000	A BB	37037.	40.000	UG/ML	0.41
12	146	749	9:22	1	1.004	A VB	118874.	116.015	UG/ML	1.19
13	108	778	9:43	1	1.043	A BB	68874.	115.768	UG/ML	1.19
14	146	782	9:46	1	1.048	A BB	108187.	116.455	UG/ML	1.20
15	108	799	9:59	1	1.071	A BB	96426.	113.154	UG/ML	1.16
16	45	805	10:04	1	1.079	A BB	192613.	113.716	UG/ML	1.17
17	108	828	10:21	1	1.110	A BB	98783.	109.538	UG/ML	1.13
18	70	837	10:28	1	1.122	A BB	89227.	112.198	UG/ML	1.15
19	117	838	10:28	1	1.123	A BV	45793.	115.021	UG/ML	1.18
20	82	854	10:40	10	0.866	A BB	120643.	119.660	UG/ML	1.23
21	77	858	10:43	10	0.870	A BB	116985.	119.817	UG/ML	1.23
22	NOT	FOUND								
23	139	917	11:28	10	0.930	A BB	54472.	118.144	UG/ML	1.21
24	107	927	11:35	10	0.940	A BB	88378.	117.414	UG/ML	1.21
25	93	947	11:50	10	0.960	A BB	133502.	116.932	UG/ML	1.20
26	122	946	11:49	10	0.959	A BV	7170.	20.374	UG/ML	0.21
27	162	962	12:01	10	0.976	A BB	65965.	117.842	UG/ML	1.21
28	180	979	12:14	10	0.993	A BB	74872.	117.266	UG/ML	1.20
29	128	991	12:23	10	1.005	A BB	273826.	117.429	UG/ML	1.21
30	127	1006	12:34	10	1.020	A BB	108343.	117.984	UG/ML	1.21
31	225	1027	12:50	10	1.042	A BB	35556.	115.281	UG/ML	1.18
32	107	1103	13:47	10	1.119	A BB	73290.	111.860	UG/ML	1.15
33	142	1129	14:07	10	1.145	A BB	158958.	114.818	UG/ML	1.18
34	237	1175	14:41	11	0.873	A BB	38244.	123.865	UG/ML	1.27
35	196	1192	14:54	11	0.886	A BV	43217.	127.715	UG/ML	1.31
36	188	1650	20:37	36	1.000	A BV	48700.	40.000	UG/ML	0.41
37	196	1199	14:59	11	0.891	A VB	33850.	102.464	UG/ML	1.05
38	172	1209	15:07	11	0.898	A BB	158967.	117.579	UG/ML	1.21
39	162	1227	15:20	11	0.912	A BB	142392.	120.022	UG/ML	1.23
40	65	1257	15:43	11	0.934	A BB	50797.	112.781	UG/ML	1.16
41	163	1304	16:18	11	0.969	A BB	140495.	111.334	UG/ML	1.14
42	152	1314	16:25	11	0.976	A BB	215001.	115.975	UG/ML	1.19
43	165	1317	16:28	11	0.978	A VB	35930.	108.927	UG/ML	1.12
44	138	1344	16:48	11	0.999	A BB	37710.	133.198	UG/ML	1.37
45	153	1353	16:55	11	1.005	A BB	132025.	116.186	UG/ML	1.19
46	184	1363	17:02	11	1.013	A BB	18621.	155.427	UG/ML	1.60
47	109	1378	17:13	11	1.024	A BV	12688.	115.612	UG/ML	1.19
48	168	1386	17:19	11	1.030	A BB	178617.	114.833	UG/ML	1.18
49	165	1396	17:27	11	1.037	A BB	40892.	109.678	UG/ML	1.13
50	149	1451	18:08	11	1.078	A VB	132312.	109.856	UG/ML	1.13

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:16	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:31	1.02	0.487	1.02	123.23	50.00	3.229	1.310	2.46
3	6:45	1.01	0.728	1.00	234.04	100.00	4.224	1.805	2.34
4	8:36	1.01	0.927	1.00	228.66	100.00	4.879	2.134	2.29
5	8:37	1.01	0.930	1.00	112.37	50.00	5.667	2.521	2.25
6	8:40		0.934						
7	8:48	1.01	0.949	1.00	115.45	50.00	4.316	1.869	2.31
8	8:53	1.01	0.958	1.00	115.25	50.00	3.716	1.612	2.31
9	9:12	1.01	0.992	1.00	116.95	50.00	3.932	1.681	2.34
10	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
11	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
12	9:19	1.01	1.004	1.00	116.01	50.00	4.107	1.770	2.32
13	9:39	1.01	1.040	1.00	115.77	50.00	2.380	1.028	2.32
14	9:44	1.00	1.050	1.00	116.46	50.00	3.738	1.605	2.33
15	9:55	1.01	1.070	1.00	113.15	50.00	3.331	1.472	2.26
16	10:01	1.00	1.080	1.00	113.72	50.00	6.655	2.926	2.27
17	10:16	1.01	1.108	1.00	109.54	50.00	3.413	1.558	2.19
18	10:22	1.01	1.117	1.00	112.20	50.00	3.083	1.374	2.24
19	10:26	1.00	1.125	1.00	115.02	50.00	1.582	0.688	2.30
20	10:37	1.01	0.864	1.00	119.66	50.00	1.184	0.495	2.39
21	10:40	1.01	0.868	1.00	119.82	50.00	1.148	0.479	2.40
22	11:14		0.915						
23	11:25	1.00	0.929	1.00	118.14	50.00	0.534	0.226	2.36
24	11:31	1.01	0.938	1.00	117.41	50.00	0.867	0.369	2.35
25	11:47	1.00	0.959	1.00	116.93	50.00	1.310	0.560	2.34
26	11:51	1.00	0.964	0.99	20.37	50.00	0.070	0.173	0.41
27	11:58	1.00	0.975	1.00	117.84	50.00	0.647	0.275	2.36
28	12:11	1.00	0.992	1.00	117.27	50.00	0.735	0.313	2.35
29	12:20	1.00	1.004	1.00	117.43	50.00	2.686	1.144	2.35
30	12:31	1.00	1.019	1.00	117.98	50.00	1.063	0.450	2.36
31	12:48	1.00	1.042	1.00	115.28	50.00	0.349	0.151	2.31
32	13:45	1.00	1.119	1.00	111.86	50.00	0.719	0.321	2.24
33	14:04	1.00	1.144	1.00	114.82	50.00	1.359	0.679	2.30
34	14:39	1.00	0.873	1.00	123.87	50.00	0.826	0.333	2.48
35	14:51	1.00	0.885	1.00	127.72	50.00	0.933	0.365	2.55
36	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
37	14:56	1.00	0.890	1.00	102.46	50.00	0.731	0.357	2.05
38	15:04	1.00	0.898	1.00	117.58	50.00	3.434	1.460	2.35
39	15:18	1.00	0.911	1.00	120.02	50.00	3.076	1.281	2.40
40	15:40	1.00	0.933	1.00	112.78	50.00	1.097	0.486	2.26
41	16:15	1.00	0.968	1.00	111.33	50.00	3.035	1.363	2.23
42	16:23	1.00	0.976	1.00	115.98	50.00	4.644	2.002	2.32
43	16:25	1.00	0.978	1.00	108.93	50.00	0.776	0.356	2.18
44	16:44	1.00	0.997	1.00	133.20	50.00	0.815	0.306	2.66
45	16:52	1.00	1.005	1.00	116.19	50.00	2.852	1.227	2.32
46	16:59	1.00	1.012	1.00	155.43	50.00	0.402	0.129	3.11
47	17:10	1.00	1.022	1.00	115.61	50.00	0.274	0.119	2.31
48	17:16	1.00	1.029	1.00	114.83	50.00	3.858	1.680	2.30
49	17:24	1.00	1.036	1.00	109.68	50.00	0.883	0.403	2.19
50	18:05	1.00	1.077	1.00	109.86	50.00	2.858	1.301	2.20

01879

Quantitation Report File: STDR098

01880

Data: STDR098.TI
04/16/87 11:03:00
Sample: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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	C585 4-CHLOROPHENYL-PHENYLE	204 S3#140		7005-72-3
53	C595 4-NITROANALINE	138 S3#150		100-01-6
54	C610 4,6-DINITRO-2-METHYLPH	198 S4# 10		534-52-1
55	C615 N-NITROSODIPHENYLAMINE	169 S4# 15CC		87-30-6
56	AZOBENZENE	77 S4# 20		103-33-3
57	CS55 2,4,6-TRIBROMOPHENOL	330S3# 02		118-79-6
58	C625 4-BROMOPHENYL-PHENYLET	248 S4# 30		101-55-3
59	C630 HEXACHLOROBENZENE	284 S4# 40		118-74-1
60	CI70 CHRYSENE-D12	240IS5# 01		1719-03-5
61	C635 PENTACHLOROPHENOL	266 S4# 50		87-86-5
62	C640 PHENANTHRENE	178 S4# 65		85-01-8
63	C645 ANTHRACENE	178 S4# 70		120-12-7
64	C650 DI-N-BUTYLPHTHALATE	149 S4# 85		84-74-2
65	C655 FLUORANTHENE	202 S4#110CC		206-44-0
66	CI75 PERYLENE-D12	164IS6# 01		1520-96-3
67	BENZIDINE	184 S5# 10		92-81-5
68	C715 PYRENE	202 S5# 15		129-00-0
69	CS30 TERPHENYL-D14	244BS5# 02		1718-51-0
70	C720 BUTYLBENZYLPHTHALATE	149 S5# 40		85-68-7
71	C725 3,3'-DICHLOROBENZIDINE	252 S5# 55		91-94-1
72	C730 BENZO(A)ANTHRACENE	228 S5# 50		56-55-3
73	C740 CHRYSENE	228 S5# 60		218-01-9
74	C745 BIS(2-ETHYLHEXYL)PHTHA	149 S5# 65		117-81-7
75	C760 DI-N-OCTYL PHTHALATE	149 S6# 10CC		117-84-0
76	C765 BENZO(B)FLUORANTHENE	252 S6# 15		205-99-2
77	C770 BENZO(K)FLUORANTHENE	252 S6# 25		207-08-9
78	C775 BENZO(A)PYRENE	252 S6# 35		50-32-8
79	C780 INDENO(1,2,3-CD)PYRENE	276 S6# 55		193-39-5
80	C790 BENZO(G,H,I)PERYLENE	276 S6# 65		191-24-2
81	C785 DIBENZ(A,H)ANTHRACENE	278 S6# 60		53-70-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	166	1458	18:13	11	1.083	A BB	141556.	111.487	UG/ML	1.15
52	204	1459	18:14	11	1.084	A BB	55505.	110.882	UG/ML	1.14
53	138	1466	18:19	11	1.089	A VV	8031.	45.266	UG/ML	0.47
54	198	1482	18:31	36	0.898	A VB	17117.	101.586	UG/ML	1.04
55	169	1487	18:35	36	0.901	A BB	91651.	119.450	UG/ML	1.23
56	77	1492	18:39	36	0.904	A BB	203721.	123.708	UG/ML	1.27
57	330	1511	18:53	11	1.123	A BB	32999.	223.115	UG/ML	2.29
58	248	1559	19:29	36	0.945	A BB	34468.	121.676	UG/ML	1.25
59	284	1588	19:51	36	0.962	A BB	37761.	117.953	UG/ML	1.21
60	240	2211	27:38	60	1.000	A BB	23317.	40.000	UG/ML	0.41
61	266	1625	20:19	36	0.985	A BB	21093.	129.601	UG/ML	1.33
62	178	1656	20:42	36	1.004	A BV	173200.	115.373	UG/ML	1.19

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
63	178	1666	20:49	36	1.010	A VB	172707.	113.678	UG/ML	1.17
64	149	1788	22:21	36	1.084	A VB	210758.	117.578	UG/ML	1.21
65	202	1906	23:49	36	1.155	A BB	140255.	117.532	UG/ML	1.21
66	264	2504	31:18	66	1.000	A BB	15201.	40.000	UG/ML	0.41
67	184	1934	24:10	60	0.875	A BB	55901.	511.752	UG/ML	5.26
68	202	1953	24:25	60	0.883	A BB	133738.	122.104	UG/ML	1.25
69	244	1989	24:52	60	0.900	A BB	85032.	126.667	UG/ML	1.30
70	149	2101	26:16	60	0.950	A VB	62016.	123.988	UG/ML	1.27
71	252	2206	27:34	60	0.998	A BB	48120.	445.197	UG/ML	4.57
72	228	2207	27:35	60	0.998	A BV	87132.	121.463	UG/ML	1.25
73	228	2217	27:43	60	1.003	A VB	77076.	116.951	UG/ML	1.20
74	149	2230	27:52	60	1.009	A BB	92914.	129.442	UG/ML	1.33
75	149	2358	29:28	66	0.942	A BB	126762.	117.086	UG/ML	1.20
76	252	2429	30:22	66	0.970	A BV	73211.	131.673	UG/ML	1.35
77	252	2434	30:25	66	0.972	A VB	58535.	96.979	UG/ML	1.00
78	252	2494	31:10	66	0.996	A BB	55920.	124.031	UG/ML	1.27
79	276	2776	34:42	66	1.109	A BB	48712.	122.584	UG/ML	1.26
80	276	2776	34:42	66	1.109	A BB	48712.	123.936	UG/ML	1.27
81	278	2784	34:48	66	1.112	A BB	40723.	133.699	UG/ML	1.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:10	1.00	1.083	1.00	111.49	50.00	3.058	1.371	2.23
52	18:11	1.00	1.083	1.00	110.88	50.00	1.199	0.541	2.22
53	18:19	1.00	1.092	1.00	45.27	50.00	0.173	0.192	0.91
54	18:27	1.00	0.896	1.00	101.59	50.00	0.281	0.138	2.03
55	18:31	1.00	0.899	1.00	119.45	50.00	1.506	0.630	2.39
56	18:36	1.00	0.903	1.00	123.71	50.00	3.347	1.353	2.47
57	18:51	1.00	1.123	1.00	223.11	100.00	0.356	0.160	2.23
58	19:27	1.00	0.944	1.00	121.68	50.00	0.566	0.233	2.43
59	19:49	1.00	0.962	1.00	117.95	50.00	0.620	0.263	2.36
60	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	20:16	1.00	0.984	1.00	129.60	50.00	0.346	0.134	2.59
62	20:40	1.00	1.003	1.00	115.37	50.00	2.845	1.233	2.31
63	20:46	1.00	1.008	1.00	113.68	50.00	2.837	1.248	2.27
64	22:19	1.00	1.083	1.00	117.98	50.00	3.462	1.472	2.35
65	23:47	1.00	1.155	1.00	117.53	50.00	2.304	0.980	2.35
66	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
67	24:09	1.00	0.875	1.00	511.75	100.00	0.959	0.187	5.12
68	24:22	1.00	0.883	1.00	122.10	50.00	4.589	1.879	2.44
69	24:50	1.00	0.900	1.00	126.67	50.00	2.917	1.152	2.53
70	26:14	1.00	0.951	1.00	123.99	50.00	2.128	0.858	2.48
71	27:31	1.00	0.997	1.00	445.20	100.00	0.825	0.185	4.45
72	27:33	1.00	0.998	1.00	121.46	50.00	2.989	1.231	2.43
73	27:40	1.00	1.003	1.00	116.95	50.00	2.644	1.131	2.34
74	27:50	1.00	1.009	1.00	129.44	50.00	3.188	1.231	2.59
75	29:26	1.00	0.941	1.00	117.09	50.00	6.671	2.849	2.34
76	30:19	1.00	0.969	1.00	131.67	50.00	3.853	1.463	2.63
77	30:22	1.00	0.971	1.00	96.98	50.00	3.081	1.588	1.94
78	31:07	1.00	0.995	1.00	124.03	50.00	2.943	1.186	2.48
79	34:37	1.00	1.107	1.00	122.58	50.00	2.564	1.046	2.45
80	34:37	1.00	1.107	1.00	123.94	50.00	2.564	1.034	2.48
81	34:41	1.00	1.109	1.00	133.70	50.00	2.143	0.801	2.67

Quantitation Report File:

Data: STDR096.TI
04/16/87 9:26:00
Sample: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

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

01882
ST

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	3-NITROANILINE	138	S3# 75	99-09-2

CS50 / 1 acceptable

TCA FINISHED, 81 FOUND
FINISHED AT: 5/04/88 12:57:31

120

01883

RMAL QUANTITATION SUMMARY FILE: STDR098
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	746	1	23155.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	986	2	81545.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1346	3	37037.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1650	4	48700.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2211	5	23317.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2504	6	15201.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	854	2	120643.	1.184	119.660
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1209	3	158967.	3.434	117.579
9	S5# 2	CS30 TERPHENYL-D14	244	1989	5	85032.	2.917	126.667
10	S1# 3	CS45 PHENOL-D5	99	695	1	282409.	4.879	228.656
11	S1# 2	CS50 2-FLUOROPHENOL	112	545	1	244524.	4.224	234.039
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1511	3	32999.	0.356	223.115
13	S1# 15	N-NITROSODIMETHYLAMINE	74	369	1	93458.	3.229	123.226
14	S1#100	ANILINE	93		1	NOT FOUND		
15	S1#105	C315 PHENOL	94	697	1	164020.	5.667	112.375
16	S1#110	C325 BIS(2-CHLOROETHYL)E	93	710	1	124915.	4.316	115.448
17	S1#115	C330 2-CHLOROPHENOL	128	716	1	107566.	3.716	115.251
18	S1#125	C335 1,3-DICHLOROBENZENE	146	740	1	113797.	3.932	116.946
19	S1#130	C340 1,4-DICHLOROBENZENE	146	749	1	118874.	4.107	116.015
20	S1#145	C345 BENZYL ALCOHOL	108	778	1	68874.	2.380	115.768
21	S1#150	C350 1,2-DICHLOROBENZENE	146	782	1	108187.	3.738	116.455
22	S1#160	C355 2-METHYLPHENOL	108	799	1	96426.	3.331	113.154
23	S1#165	C360 BIS(2-CHLOROISOPROP	45	805	1	192613.	6.655	113.716
24	S1#185	C365 4-METHYLPHENOL	108	828	1	98783.	3.413	109.538
25	S1#190	C370 N-NITROSO-DI-N-PROP	70	837	1	89227.	3.083	112.198
26	S1#200	C375 HEXACHLOROETHANE	117	838	1	45793.	1.582	115.021
27	S2# 10	C410 NITROBENZENE	77	858	2	116985.	1.148	119.817
28	S2# 20	C415 ISOPHORONE	82		2	NOT FOUND		
29	S2# 25	C420 2-NITROPHENOL	139	917	2	54472.	0.534	118.144
30	S2# 30	C425 2,4-DIMETHYLPHENOL	107	927	2	88378.	0.867	117.414
31	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	947	2	133502.	1.310	116.932
32	S2# 40	C440 2,4-DICHLOROPHENOL	162	962	2	65965.	0.647	117.842
33	S2# 45	C430 BENZOIC ACID	122	946	2	7170.	0.070	20.374
34	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	979	2	74872.	0.735	117.266
35	S2# 60	C450 NAPHTHALENE	128	991	2	273826.	2.686	117.429
36	S2# 80	C455 4-CHLOROANALINE	127	1006	2	108343.	1.063	117.984
37	S2# 95	C460 HEXACHLOROBUTADIENE	225	1027	2	35556.	0.349	115.281
38	S2#130	C465 4-CHLORO-3-METHYLPH	107	1103	2	73290.	0.719	111.860
39	S2#145	C470 2-METHYLNAPHTHALENE	142	1129	2	158958.	1.559	114.818
40	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1175	3	38244.	0.826	123.865
41	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1192	3	43217.	0.933	127.715
42	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1199	3	33850.	0.731	102.464
43	S3# 40	C525 2-CHLORONAPHTHALENE	162	1227	3	142392.	3.076	120.022
44	S3# 45	C530 2-NITROANALINE	65	1257	3	50797.	1.097	112.781
45	S3# 55	C535 DIMETHYLPHTHALATE	163	1304	3	140495.	3.035	111.334
46	S3# 65	C540 ACENAPHTHYLENE	152	1314	3	215001.	4.644	115.975
47	S3# 70	C543 2,6-DINITROTOLUENE	165	1317	3	35930.	0.776	108.927
48	S3# 75	C545 3-NITROANILINE	138	1344	3	37710.	0.815	133.198
49	S3# 80	C550 ACENAPHTHENE	153	1353	3	132025.	2.852	116.186
50	S3# 85	C555 2,4-DINITROPHENOL	184	1363	3	18621.	0.402	155.427
51	S3# 90	C565 DIBENZOFURAN	168	1386	3	178617.	3.858	114.833
52	S3# 95	C560 4-NITROPHENOL	109	1378	3	12688.	0.274	115.612
53	S3#105	C570 2,4-DINITROTOLUENE	165	1396	3	40892.	0.883	109.678
54	S3#130	C580 DIETHYLPHTHALATE	149	1451	3	132312.	2.858	109.856
55	S3#135	C590 FLUORENE	166	1458	3	141556.	3.058	111.487
56	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1459	3	55505.	1.199	110.882
57	S3#150	C595 4-NITROANALINE	138	1466	3	8031.	0.173	45.266
58	S4# 10	C610 4,6-DINITRO-2-METHY	198	1482	4	17117.	0.281	101.586
59	S4# 15	C615 N-NITROSODIPHENYLAM	169	1487	4	91651.	1.506	119.450
60	S4# 20	AZOBENZENE	77	1492	4	203721.	3.347	123.708
61	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1559	4	34468.	0.566	121.676
62	S4# 40	C630 HEXACHLOROBENZENE	284	1588	4	37761.	0.620	117.953
63	S4# 50	C635 PENTACHLOROPHENOL	266	1625	4	21093.	0.346	129.601
64	S4# 65	C640 PHENANTHRENE	178	1656	4	173200.	2.845	115.373
65	S4# 70	C645 ANTHRACENE	178	1666	4	172707.	2.837	113.678
66	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1788	4	210758.	3.462	117.578
67	S4#110	C655 FLUORANTHENE	202	1906	4	140255.	2.304	117.532
68	S5# 10	BENZIDINE	184	1934	5	55901.	0.959	511.752
69	S5# 15	C715 PYRENE	202	1953	5	133738.	4.589	122.104
70	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2101	5	62016.	2.128	123.988
71	S5# 50	C730 BENZO(A)ANTHRACENE	228	2207	5	87132.	2.989	121.463
72	S5# 55	C725 3,3'-DICHLOROBENZID	252	2204	5	48120.	0.825	445.197

74	S5#	65	C745	BIS(2-ETHYLHEXYL)PH	149	2230	5	92914.	3. 188	129. 442
75	S6#	10	C760	DI-N-OCTYL PHTHALAT	149	2358	6	126762.	6. 671	117. 086
76	S6#	15	C765	BENZO(B)FLUORANTHEN	252	2429	6	73211.	3. 853	131. 673
77	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2434	6	58535.	3. 081	96. 979
78	S6#	35	C775	BENZO(A)PYRENE	252	2494	6	55920.	2. 943	124. 031
79	S6#	55	C780	INDENO(1, 2, 3-CD)PYR	276	2776	6	48712.	2. 564	122. 584
80	S6#	60	C785	DIBENZ(A, H)ANTHRACE	278	2784	6	40723.	2. 143	133. 699
81	S6#	65	C790	BENZO(G, H, I)PERYLEN	276	2776	6	48712.	2. 564	123. 936

01884
ST

Quantitation Report File: STDR098

Data: STDR098.TI
04/16/87 11:03:00
Sample: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01885

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		N-NITROSODIMETHYLAMINE	74	S1#	15	62-75-9
14	C315	PHENOL	94	S1#	105CC	108-95-2
15	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#	110	111-44-4
16	C330	2-CHLOROPHENOL	128	S2#	115	95-57-8
17	C335	1,3-DICHLOROBENZENE	146	S1#	125	541-73-1
18	C340	1,4-DICHLOROBENZENE	146	S1#	130CC	106-46-7
19	C345	BENZYL ALCOHOL	108	S1#	145	100-51-6
20	C350	1,2-DICHLOROBENZENE	146	S1#	150	95-50-1
21	C355	2-METHYLPHENOL	108	S1#	160	95-48-7
22	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#	165	108-60-1
23	C365	4-METHYLPHENOL	108	S1#	185	106-44-5
24	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#	190SP	621-64-7
25	C375	HEXACHLOROETHANE	117	S1#	200	67-72-1
26	C410	NITROBENZENE	77	S2#	10	98-95-3
27	C415	ISOPHORONE	82	S2#	20	75-59-1
28	C420	2-NITROPHENOL	139	S2#	25CC	88-75-5
29	C425	2,4-DIMETHYLPHENOL	107	S2#	30	105-67-9
30	C435	BIS(2-CHLOROETHOXY)METH	93	S2#	35	111-91-1
31	C440	2,4-DICHLOROPHENOL	162	S2#	40	120-83-2
32	C430	BENZOIC ACID	122	S2#	45	65-85-0
33	C445	1,2,4-TRICHLOROBENZENE	180	S2#	55	120-82-1
34	C450	NAPHTHALENE	128	S2#	60	91-20-3
35	C455	4-CHLOROANALINE	127	S2#	80	106-47-8
36	C460	HEXACHLOROBUTADIENE	225	S2#	95CC	87-68-3
37	C465	4-CHLORO-3-METHYLPHENO	107	S2#	130CC	59-50-7
38	C470	2-METHYLNAPHTHALENE	142	S2#	145	91-57-6
39	C510	HEXACHLOROCYCLOPENTADI	237	S3#	20	77-47-4
40	C515	2,4,6-TRICHLOROPHENOL	196	S3#	25CC	88-06-2
41	C520	2,4,5-TRICHLOROPHENOL	196	S3#	30	95-95-4
42	C525	2-CHLORONAPHTHALENE	162	S3#	40	91-58-7
43	C530	2-NITROANALINE	65	S3#	45	88-74-4
44	C535	DIMETHYLPHTHALATE	163	S3#	55	131-11-3
45	C540	ACENAPHTHYLENE	152	S3#	65	208-96-8
46	C543	2,6-DINITROTOLUENE	165	S3#	70	606-20-2
47	C545	3-NITROANILINE	138	S3#	75	99-09-2

01886

No	Name					
48	C550	ACENAPHTHENE	153	S3# 80CC	83-32-9	
49	C555	2,4-DINITROPHENOL	184	S3# 85SP	51-28-5	
50	C565	DIBENZOFURAN	168	S3# 90	132-64-9	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	746	9:19	1	1.000	A BB	23155.	40.000	UG/ML	0.39
2	136	986	12:19	2	1.000	A VB	81545.	40.000	UG/ML	0.39
3	164	1346	16:49	3	1.000	A BB	37037.	40.000	UG/ML	0.39
4	188	1650	20:37	4	1.000	A BV	48700.	40.000	UG/ML	0.39
5	240	2211	27:38	5	1.000	A BB	23317.	40.000	UG/ML	0.39
6	264	2504	31:18	6	1.000	A BB	15201.	40.000	UG/ML	0.39
7	82	854	10:40	2	0.866	A BB	120643.	119.660	UG/ML	1.17
8	172	1209	15:07	3	0.898	A BB	158967.	117.579	UG/ML	1.15
9	244	1989	24:52	5	0.900	A BB	85032.	126.667	UG/ML	1.24
10	99	695	8:41	1	0.932	A BB	282409.	228.655	UG/ML	2.23
11	112	545	6:49	1	0.731	A BB	244524.	234.039	UG/ML	2.28
12	330	1511	18:53	3	1.123	A BB	32999.	223.115	UG/ML	2.18
13	74	369	4:37	1	0.495	A BB	93458.	123.226	UG/ML	1.20
14	94	697	8:43	1	0.934	A BV	164020.	112.375	UG/ML	1.10
15	93	710	8:52	1	0.952	A VB	124915.	115.448	UG/ML	1.13
16	128	716	8:57	1	0.960	A BB	107566.	115.251	UG/ML	1.12
17	146	740	9:15	1	0.992	A BV	113797.	116.946	UG/ML	1.14
18	146	749	9:22	1	1.004	A VB	118874.	116.015	UG/ML	1.13
19	108	778	9:43	1	1.043	A BB	68874.	115.768	UG/ML	1.13
20	146	782	9:46	1	1.048	A BB	108187.	116.455	UG/ML	1.14
21	108	799	9:59	1	1.071	A BB	96426.	113.154	UG/ML	1.10
22	45	805	10:04	1	1.079	A BB	192613.	113.716	UG/ML	1.11
23	108	828	10:21	1	1.110	A BB	98783.	109.538	UG/ML	1.07
24	70	837	10:28	1	1.122	A BB	89227.	112.198	UG/ML	1.09
25	117	838	10:28	1	1.123	A BV	45793.	115.021	UG/ML	1.12
26	77	858	10:43	2	0.870	A BB	116985.	119.817	UG/ML	1.17
27	82	906	11:19	2	0.919	M XX	215489.	116.891	UG/ML	1.14
28	139	917	11:28	2	0.930	A BB	54472.	118.144	UG/ML	1.15
29	107	927	11:35	2	0.940	A BB	88378.	117.414	UG/ML	1.15
30	93	947	11:50	2	0.960	A BB	133502.	116.932	UG/ML	1.14
31	162	962	12:01	2	0.976	A BB	65965.	117.842	UG/ML	1.15
32	122	961	12:01	2	0.975	M XX	42264.	120.100	UG/ML	1.17
33	180	979	12:14	2	0.993	A BB	74872.	117.266	UG/ML	1.14
34	128	991	12:23	2	1.005	A BB	273826.	117.429	UG/ML	1.15
35	127	1006	12:34	2	1.020	A BB	108343.	117.984	UG/ML	1.15
36	225	1027	12:50	2	1.042	A BB	35556.	115.281	UG/ML	1.12
37	107	1103	13:47	2	1.119	A BB	73290.	111.860	UG/ML	1.09
38	142	1129	14:07	2	1.145	A BB	158958.	114.818	UG/ML	1.12
39	237	1175	14:41	3	0.873	A BB	38244.	123.865	UG/ML	1.21
40	196	1192	14:54	3	0.886	A BV	43217.	127.715	UG/ML	1.25
41	196	1199	14:59	3	0.891	A VB	33850.	102.464	UG/ML	1.00
42	162	1227	15:20	3	0.912	A BB	142392.	120.022	UG/ML	1.17
43	65	1257	15:43	3	0.934	A BB	50797.	112.781	UG/ML	1.10
44	163	1304	16:18	3	0.969	A BB	140495.	111.334	UG/ML	1.09
45	152	1314	16:25	3	0.976	A BB	215001.	115.975	UG/ML	1.13
46	165	1317	16:28	3	0.978	A VB	35930.	108.927	UG/ML	1.06
47	138	1344	16:48	3	0.999	A BB	37710.	133.198	UG/ML	1.30
48	153	1353	16:55	3	1.005	A BB	132025.	116.186	UG/ML	1.13
49	184	1363	17:02	3	1.013	A BB	18621.	155.427	UG/ML	1.52
50	168	1386	17:19	3	1.030	A BB	178617.	114.833	UG/ML	1.12

01887

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:16	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:37	1.01	0.864	1.00	119.66	50.00	1.184	0.495	2.39
8	15:04	1.00	0.898	1.00	117.58	50.00	3.434	1.460	2.35
9	24:50	1.00	0.900	1.00	126.67	50.00	2.917	1.152	2.53
10	8:36	1.01	0.927	1.00	228.66	100.00	4.879	2.134	2.29
11	6:45	1.01	0.728	1.00	234.04	100.00	4.224	1.805	2.34
12	18:51	1.00	1.123	1.00	223.11	100.00	0.356	0.160	2.23
13	4:31	1.02	0.487	1.02	123.23	50.00	3.229	1.310	2.46
14	8:37	1.01	0.930	1.00	112.37	50.00	5.667	2.521	2.25
15	8:48	1.01	0.949	1.00	115.45	50.00	4.316	1.869	2.31
16	8:53	1.01	0.958	1.00	115.25	50.00	3.716	1.612	2.31
17	9:12	1.01	0.992	1.00	116.95	50.00	3.932	1.681	2.34
18	9:19	1.01	1.004	1.00	116.01	50.00	4.107	1.770	2.32
19	9:39	1.01	1.040	1.00	115.77	50.00	2.380	1.028	2.32
20	9:44	1.00	1.050	1.00	116.46	50.00	3.738	1.605	2.33
21	9:55	1.01	1.070	1.00	113.15	50.00	3.331	1.472	2.26
22	10:01	1.00	1.080	1.00	113.72	50.00	6.655	2.926	2.27
23	10:16	1.01	1.108	1.00	109.54	50.00	3.413	1.558	2.19
24	10:22	1.01	1.117	1.00	112.20	50.00	3.083	1.374	2.24
25	10:26	1.00	1.125	1.00	115.02	50.00	1.582	0.688	2.30
26	10:40	1.01	0.868	1.00	119.82	50.00	1.148	0.479	2.40
27	11:14	1.01	0.915	1.00	116.89	50.00	2.114	0.904	2.34
28	11:25	1.00	0.929	1.00	118.14	50.00	0.534	0.226	2.36
29	11:31	1.01	0.938	1.00	117.41	50.00	0.867	0.369	2.35
30	11:47	1.00	0.959	1.00	116.93	50.00	1.310	0.560	2.34
31	11:58	1.00	0.975	1.00	117.84	50.00	0.647	0.275	2.36
32	11:51	1.01	0.964	1.01	120.10	50.00	0.415	0.173	2.40
33	12:11	1.00	0.992	1.00	117.27	50.00	0.735	0.313	2.35
34	12:20	1.00	1.004	1.00	117.43	50.00	2.686	1.144	2.35
35	12:31	1.00	1.019	1.00	117.98	50.00	1.063	0.450	2.36
36	12:48	1.00	1.042	1.00	115.28	50.00	0.349	0.151	2.31
37	13:45	1.00	1.119	1.00	111.86	50.00	0.719	0.321	2.24
38	14:04	1.00	1.144	1.00	114.82	50.00	1.559	0.679	2.30
39	14:39	1.00	0.873	1.00	123.87	50.00	0.826	0.333	2.48
40	14:51	1.00	0.885	1.00	127.72	50.00	0.933	0.365	2.55
41	14:56	1.00	0.890	1.00	102.46	50.00	0.731	0.357	2.05
42	15:18	1.00	0.911	1.00	120.02	50.00	3.076	1.281	2.40
43	15:40	1.00	0.933	1.00	112.78	50.00	1.097	0.486	2.26
44	16:15	1.00	0.968	1.00	111.33	50.00	3.035	1.363	2.23
45	16:23	1.00	0.976	1.00	115.98	50.00	4.644	2.002	2.32
46	16:25	1.00	0.978	1.00	108.93	50.00	0.776	0.356	2.18
47	16:44	1.00	0.997	1.00	133.20	50.00	0.815	0.306	2.66
48	16:52	1.00	1.005	1.00	116.19	50.00	2.852	1.227	2.32
49	16:59	1.00	1.012	1.00	155.43	50.00	0.402	0.129	3.11
50	17:16	1.00	1.029	1.00	114.83	50.00	3.858	1.680	2.30

Quantitation Report File: STDR098

01888

Data: STDR098.TI
04/16/87 11:03:00
Sample: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

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

No	Name				
51	C560	4-NITROPHENOL	109	S3# 95SP	100-02-7
52	C570	2,4-DINITROTOLUENE	165	S3#105	121-14-2
53	C580	DIETHYLPHTHALATE	149	S3#130	84-66-2
54	C590	FLUORENE	166	S3#135	86-73-7
55	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
56	C595	4-NITROANALINE	138	S3#150	100-01-6
57	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
58	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
59	AZOBENZENE		77	S4# 20	103-33-3
60	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
61	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
62	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
63	C640	PHENANTHRENE	178	S4# 65	85-01-8
64	C645	ANTHRACENE	178	S4# 70	120-12-7
65	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
66	C655	FLUORANTHENE	202	S4#110CC	206-44-0
67	BENZIDINE		184	S5# 10	92-81-5
68	C715	PYRENE	202	S5# 15	129-00-0
69	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
70	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
71	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
72	C740	CHRYSENE	228	S5# 60	218-01-9
73	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
74	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
75	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
76	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
77	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
78	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
79	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3
80	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2
81	ANILINE		93	S1#100	62-53-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	109	1378	17:13	3	1.024	A BV	12688.	115.612	UG/ML	1.13
52	165	1396	17:27	3	1.037	A BB	40892.	109.678	UG/ML	1.07
53	149	1451	18:08	3	1.078	A VB	132312.	109.856	UG/ML	1.07
54	166	1458	18:13	3	1.083	A BB	141556.	111.487	UG/ML	1.09
55	204	1459	18:14	3	1.084	A BB	55505.	110.882	UG/ML	1.08
56	138	1474	18:25	3	1.095	M XX	37255.	209.980	UG/ML	2.05
57	198	1482	18:31	4	0.898	A VB	17117.	101.586	UG/ML	0.99
58	169	1487	18:35	4	0.901	A BB	91651.	119.450	UG/ML	1.17
59	77	1492	18:39	4	0.904	A BB	203721.	123.708	UG/ML	1.21
60	248	1559	19:29	4	0.945	A BB	34468.	121.676	UG/ML	1.19
61	284	1588	19:51	4	0.962	A BB	37761.	117.953	UG/ML	1.15
62	266	1625	20:19	4	0.985	A BB	21093.	129.601	UG/ML	1.26

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Dev
63	178	1656	20:42	4	1.004	A BV	173200.	115.373	UG/ML	1.13
64	178	1666	20:49	4	1.010	A VB	172707.	113.678	UG/ML	1.11
65	149	1788	22:21	4	1.084	A VB	210758.	117.578	UG/ML	1.15
66	202	1906	23:49	4	1.155	A BB	140255.	117.532	UG/ML	1.15
67	184	1934	24:10	5	0.875	A BB	55901.	511.752	UG/ML	4.99
68	202	1953	24:25	5	0.883	A BB	133738.	122.104	UG/ML	1.19
69	149	2101	26:16	5	0.950	A VB	62016.	123.988	UG/ML	1.21
70	228	2207	27:35	5	0.998	A BV	87132.	121.463	UG/ML	1.19
71	252	2206	27:34	5	0.998	A BB	48120.	445.197	UG/ML	4.34
72	228	2217	27:43	5	1.003	A VB	77076.	116.951	UG/ML	1.14
73	149	2230	27:52	5	1.009	A BB	92914.	129.442	UG/ML	1.26
74	149	2358	29:28	6	0.942	A BB	126762.	117.086	UG/ML	1.14
75	252	2429	30:22	6	0.970	A BV	73211.	131.673	UG/ML	1.28
76	252	2434	30:25	6	0.972	M XX	69218.	114.678	UG/ML	1.12
77	252	2494	31:10	6	0.996	A BB	55920.	124.031	UG/ML	1.21
78	276	2776	34:42	6	1.109	A BB	48712.	122.584	UG/ML	1.20
79	278	2784	34:48	6	1.112	A BB	40723.	133.699	UG/ML	1.30
80	276	2776	34:42	6	1.109	A BB	48712.	123.936	UG/ML	1.21
81	93	701	8:46	1	0.940	M XX	183359.	115.945	UG/ML	1.13

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	17:10	1.00	1.022	1.00	115.61	50.00	0.274	0.119	2.31
52	17:24	1.00	1.036	1.00	109.68	50.00	0.883	0.403	2.19
53	18:05	1.00	1.077	1.00	109.86	50.00	2.858	1.301	2.20
54	18:10	1.00	1.083	1.00	111.49	50.00	3.058	1.371	2.23
55	18:11	1.00	1.083	1.00	110.88	50.00	1.199	0.541	2.22
56	18:19	1.01	1.092	1.00	209.98	50.00	0.805	0.192	4.20
57	18:27	1.00	0.896	1.00	101.59	50.00	0.281	0.138	2.03
58	18:31	1.00	0.899	1.00	119.45	50.00	1.506	0.630	2.39
59	18:36	1.00	0.903	1.00	123.71	50.00	3.347	1.353	2.47
60	19:27	1.00	0.944	1.00	121.68	50.00	0.566	0.233	2.43
61	19:49	1.00	0.962	1.00	117.95	50.00	0.620	0.263	2.36
62	20:16	1.00	0.984	1.00	129.60	50.00	0.346	0.134	2.59
63	20:40	1.00	1.003	1.00	115.37	50.00	2.845	1.233	2.31
64	20:46	1.00	1.008	1.00	113.68	50.00	2.837	1.248	2.27
65	22:19	1.00	1.083	1.00	117.58	50.00	3.462	1.472	2.35
66	23:47	1.00	1.155	1.00	117.53	50.00	2.304	0.980	2.35
67	24:09	1.00	0.875	1.00	511.75	100.00	0.959	0.187	5.12
68	24:22	1.00	0.883	1.00	122.10	50.00	4.589	1.879	2.44
69	26:14	1.00	0.951	1.00	123.99	50.00	2.128	0.858	2.48
70	27:33	1.00	0.998	1.00	121.46	50.00	2.989	1.231	2.43
71	27:31	1.00	0.997	1.00	445.20	100.00	0.825	0.185	4.45
72	27:40	1.00	1.003	1.00	116.95	50.00	2.644	1.131	2.34
73	27:50	1.00	1.009	1.00	129.44	50.00	3.188	1.231	2.59
74	29:26	1.00	0.941	1.00	117.09	50.00	6.671	2.849	2.34
75	30:19	1.00	0.969	1.00	131.67	50.00	3.853	1.463	2.63
76	30:22	1.00	0.971	1.00	114.68	50.00	3.643	1.588	2.29
77	31:07	1.00	0.995	1.00	124.03	50.00	2.943	1.186	2.48
78	34:37	1.00	1.107	1.00	122.58	50.00	2.564	1.046	2.45
79	34:41	1.00	1.109	1.00	133.70	50.00	2.143	0.801	2.67
80	34:37	1.00	1.107	1.00	123.94	50.00	2.564	1.034	2.48
81	8:40	1.01	0.934	1.01	115.94	50.00	6.335	2.732	2.32

RMAL QUANTITATION SUMMARY FILE: STDR099
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

01890

NO	LIBRARY ENTRY		NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/ML AMOUNT
1	S1#	1	CI30 1,4-DICHLOROBENZENE	152	746	1	22317.	1.000	40.000
2	S2#	1	CI40 NAPHTHALENE-D8	136	987	2	79032.	1.000	40.000
3	S3#	1	CI50 ACENAPHTHENE-D10	164	1346	3	34681.	1.000	40.000
4	S4#	1	CI60 PHENANTHRENE-D10	188	1651	4	42010.	1.000	40.000
5	S5#	1	CI70 CHRYSENE-D12	240	2212	5	31548.	1.000	40.000
6	S6#	1	CI75 PERYLENE-D12	264	2507	6	26330.	1.000	40.000
7	S2#	2	CS20 NITROBENZENE-D5	82	856	2	156688.	1.586	160.353
8	S3#	3	CS25 2-FLUOROBIPHENYL	172	1210	3	204776.	4.724	161.751
9	S5#	2	CS30 TERPHENYL-D14	244	1990	5	117782.	2.987	129.677
10	S1#	3	CS45 PHENOL-D5	99	697	1	364793.	6.538	306.449
11	S1#	2	CS50 2-FLUOROPHENOL	112	546	1	317761.	5.695	315.556
12	S3#	2	CS55 2,4,6-TRIBROMOPHENO	330	1512	3	40338.	0.465	291.264
13	S1#	15	N-NITROSODIMETHYLAMINE	74	370	1	122446.	4.389	167.510
14	S1#	100	ANILINE	93	702	1	235867.	8.455	154.748
15	S1#	105	C315 PHENOL	94	699	1	217416.	7.794	154.551
16	S1#	110	C325 BIS(2-CHLOROETHYL)E	93	712	1	159083.	5.703	152.547
17	S1#	115	C330 2-CHLOROPHENOL	128	718	1	141015.	5.055	156.762
18	S1#	125	C335 1,3-DICHLOROBENZENE	146	741	1	146337.	5.246	156.034
19	S1#	130	C340 1,4-DICHLOROBENZENE	146	750	1	153039.	5.486	154.966
20	S1#	145	C345 BENZYL ALCOHOL	108	781	1	88995.	3.190	155.206
21	S1#	150	C350 1,2-DICHLOROBENZENE	146	783	1	142856.	5.121	159.548
22	S1#	160	C355 2-METHYLPHENOL	108	801	1	124187.	4.452	151.203
23	S1#	165	C360 BIS(2-CHLOROISOPROP	45	806	1	255213.	9.149	156.332
24	S1#	185	C365 4-METHYLPHENOL	108	830	1	129262.	4.634	148.717
25	S1#	190	C370 N-NITROSO-DI-N-PROP	70	839	1	115945.	4.156	151.268
26	S1#	200	C375 HEXACHLOROETHANE	117	838	1	59940.	2.149	156.208
27	S2#	10	C410 NITROBENZENE	77	860	2	154747.	1.566	163.533
28	S2#	20	C415 ISOPHORONE	82	909	2	283188.	2.867	158.498
29	S2#	25	C420 2-NITROPHENOL	139	918	2	74928.	0.758	167.678
30	S2#	30	C425 2,4-DIMETHYLPHENOL	107	929	2	115800.	1.172	158.737
31	S2#	35	C435 BIS(2-CHLOROETHOXY)	93	948	2	175710.	1.779	158.795
32	S2#	40	C440 2,4-DICHLOROPHENOL	162	964	2	85495.	0.865	157.587
33	S2#	45	C430 BENZOIC ACID	122	966	2	50848.	0.515	149.087
34	S2#	55	C445 1,2,4-TRICHLOROBENZ	180	980	2	97310.	0.985	157.254
35	S2#	60	C450 NAPHTHALENE	128	992	2	336153.	3.403	148.741
36	S2#	80	C455 4-CHLOROANALINE	127	1007	2	143561.	1.453	161.306
37	S2#	95	C460 HEXACHLOROBUTADIENE	225	1027	2	46301.	0.469	154.892
38	S2#	130	C465 4-CHLORO-3-METHYLPH	107	1104	2	96119.	0.973	151.368
39	S2#	145	C470 2-METHYLNAPHTHALENE	142	1130	2	206257.	2.088	153.720
40	S3#	20	C510 HEXACHLOROCYCLOPENT	237	1175	3	49639.	1.145	171.693
41	S3#	25	C515 2,4,6-TRICHLOROPHEN	196	1193	3	59735.	1.378	188.524
42	S3#	30	C520 2,4,5-TRICHLOROPHEN	196	1199	3	40665.	0.938	131.453
43	S3#	40	C525 2-CHLORONAPHTHALENE	162	1228	3	182266.	4.204	164.070
44	S3#	45	C530 2-NITROANALINE	65	1258	3	63552.	1.466	150.686
45	S3#	55	C535 DIMETHYLPHTHALATE	163	1306	3	176348.	4.068	149.239
46	S3#	65	C540 ACENAPHTHYLENE	152	1315	3	274325.	6.328	158.029
47	S3#	70	C543 2,6-DINITROTOLUENE	165	1318	3	44190.	1.019	143.070
48	S3#	75	C545 3-NITROANILINE	138	1345	3	45959.	1.060	173.363
49	S3#	80	C550 ACENAPHTHENE	153	1354	3	168186.	3.880	158.064
50	S3#	85	C555 2,4-DINITROPHENOL	184	1365	3	21699.	0.501	193.420
51	S3#	90	C565 DIBENZOFURAN	168	1387	3	226144.	5.217	155.265
52	S3#	95	C560 4-NITROPHENOL	109	1379	3	14739.	0.340	143.425
53	S3#	105	C570 2,4-DINITROTOLUENE	165	1398	3	50060.	1.155	143.391
54	S3#	130	C580 DIETHYLPHTHALATE	149	1453	3	160411.	3.700	142.234
55	S3#	135	C590 FLUORENE	166	1458	3	176651.	4.075	148.579
56	S3#	140	C585 4-CHLOROPHENYL-PHEN	204	1459	3	68964.	1.591	147.130
57	S3#	150	C595 4-NITROANALINE	138	1475	3	39951.	0.922	240.472
58	S4#	10	C610 4,6-DINITRO-2-METHY	198	1483	4	29957.	0.570	206.096
59	S4#	15	C615 N-NITROSODIPHENYLAM	169	1488	4	113420.	2.160	171.362
60	S4#	20	AZOBENZENE	77	1493	4	249791.	4.757	175.839
61	S4#	30	C625 4-BROMOPHENYL-PHENY	248	1559	4	42847.	0.816	175.342
62	S4#	40	C630 HEXACHLOROBENZENE	284	1589	4	46420.	0.884	168.091
63	S4#	50	C635 PENTACHLOROPHENOL	266	1626	4	25054.	0.477	178.454
64	S4#	65	C640 PHENANTHRENE	178	1657	4	216777.	4.128	167.396
65	S4#	70	C645 ANTHRACENE	178	1666	4	201054.	3.829	153.410
66	S4#	85	C650 DI-N-BUTYLPHTHALATE	149	1788	4	249280.	4.747	161.216
67	S4#	110	C655 FLUORANTHENE	202	1907	4	179110.	3.411	173.993
68	S5#	10	BENZIDINE	184	1936	5	113299.	1.437	766.600
69	S5#	15	C715 PYRENE	202	1954	5	178147.	4.517	120.214
70	S5#	40	C720 BUTYLBENZYLPHTHALAT	149	2102	5	99691.	2.528	147.309
71	S5#	50	C730 BENZO(A)ANTHRACENE	228	2209	5	155098.	3.933	159.800
72	S5#	55	C725 3,3'-DICHLOROBENZID	252	2209	5	102810.	1.304	703.017
73	S5#	60	C740 CHRYSENE	228	2220	5	136580.	3.463	153.170
74	S5#	65	C745 BIS(2-ETHYLHEXYL)PH	149	2231	5	152559.	3.869	157.085

76	S6#	15	C765	BENZO(B)FLUORANTHEN	252	2433	6	176949.	5.376	183.735
77	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2438	6	153218.	4.655	146.554
78	S6#	35	C775	BENZO(A)PYRENE	252	2498	6	134153.	4.076	171.786
79	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2789	6	113365.	3.444	164.704
80	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2799	6	105332.	3.200	199.655
81	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2789	6	113365.	3.444	166.520

01891

4/16/87 11:51:28 SCAN 1 OF 2900
Acquisition started

Acquire Run 2: STDR099 ACQUIRING 01892
04/16/87 11:51:00 + 0:04 Free sectors: 10003 Scan: 5 of 2900
Sample: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No:

********** QC PARAMETERS **********
Loaded QC Desc: SK Current QC oven tmp: 30 DegC Injector : 250 DegC
Current QC Desc: SK QC elapsed time : 0: 3 min Int. oven : 250 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			

********** 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	

4/16/87 12:27:44
ACQUISITION COMPLETED
SCANS 1 TO 2900 Centroid

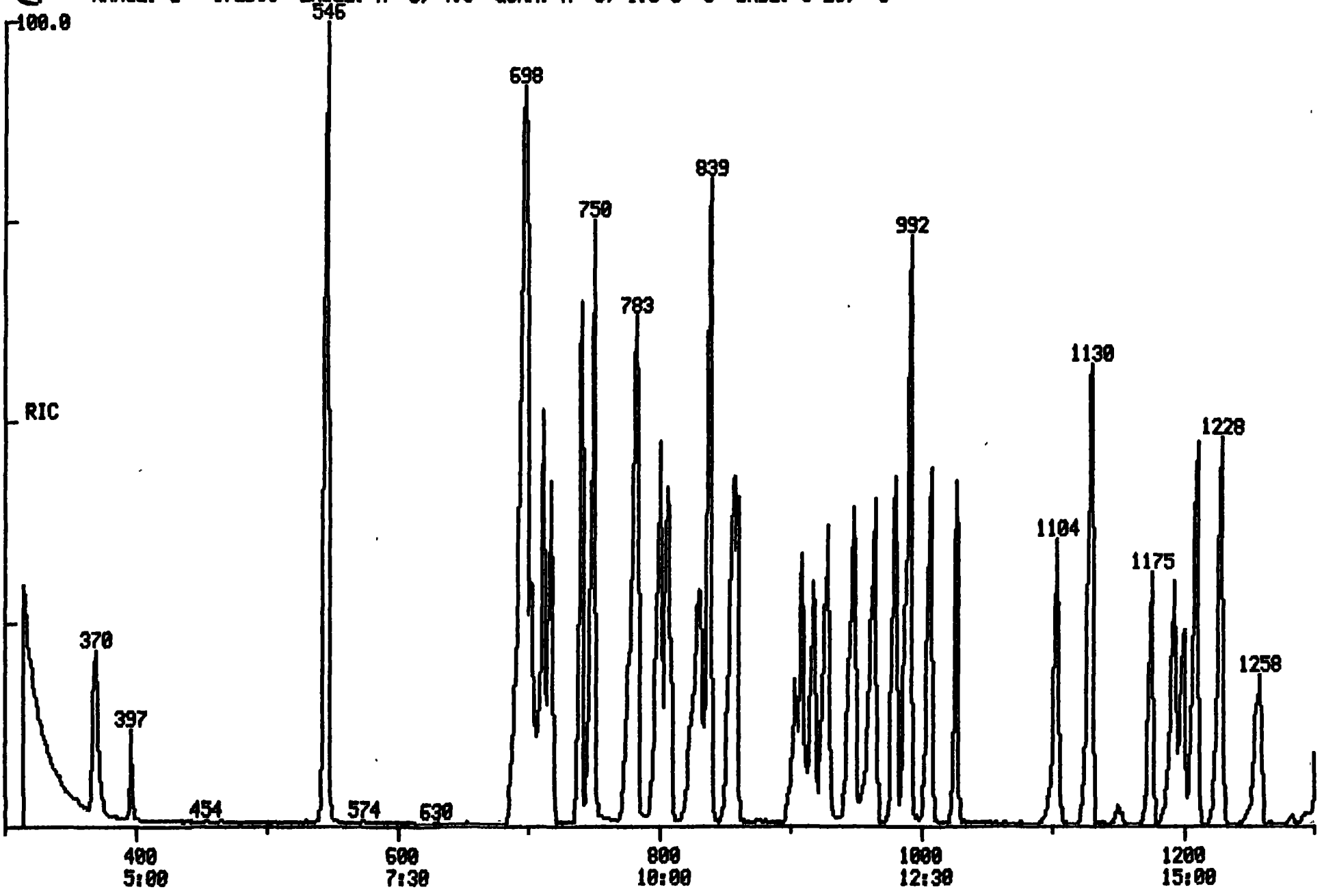
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2900	426.4	2175.0	19.6	134236.	46. 62.

C1933

RIC
04/16/87 11:51:00
SAMPLE: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDR099 #4
CALI: 050288CR #7

SCANS 300 TO 1300
OUT OF 300 TO 2900



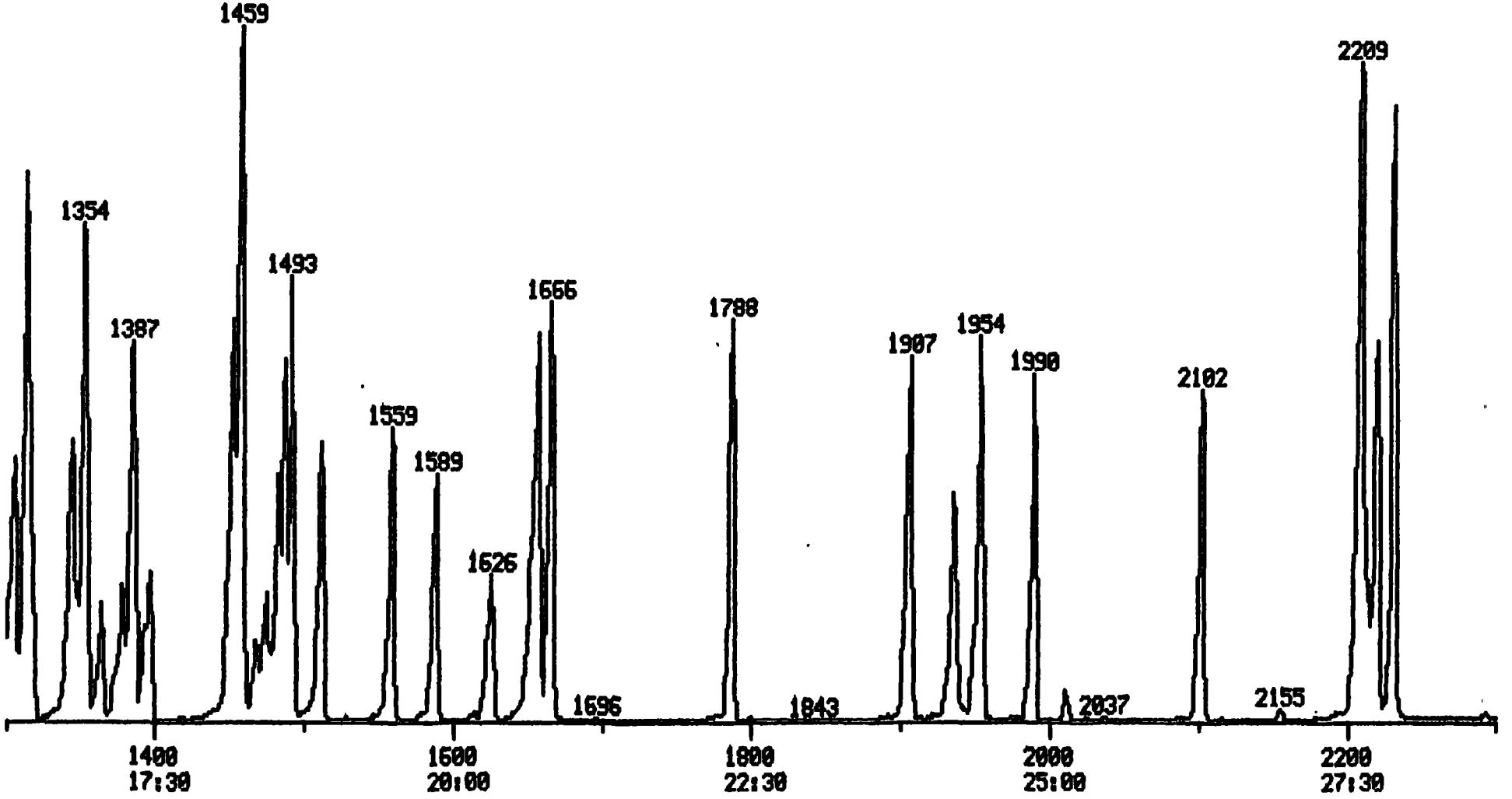
0184 ST 0189

RIC
04/16/87 11:51:00
SAMPLE: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDR099 #4
CALI: 050288CR #7

SCANS 1300 TO 2300
OUT OF 300 TO 2900

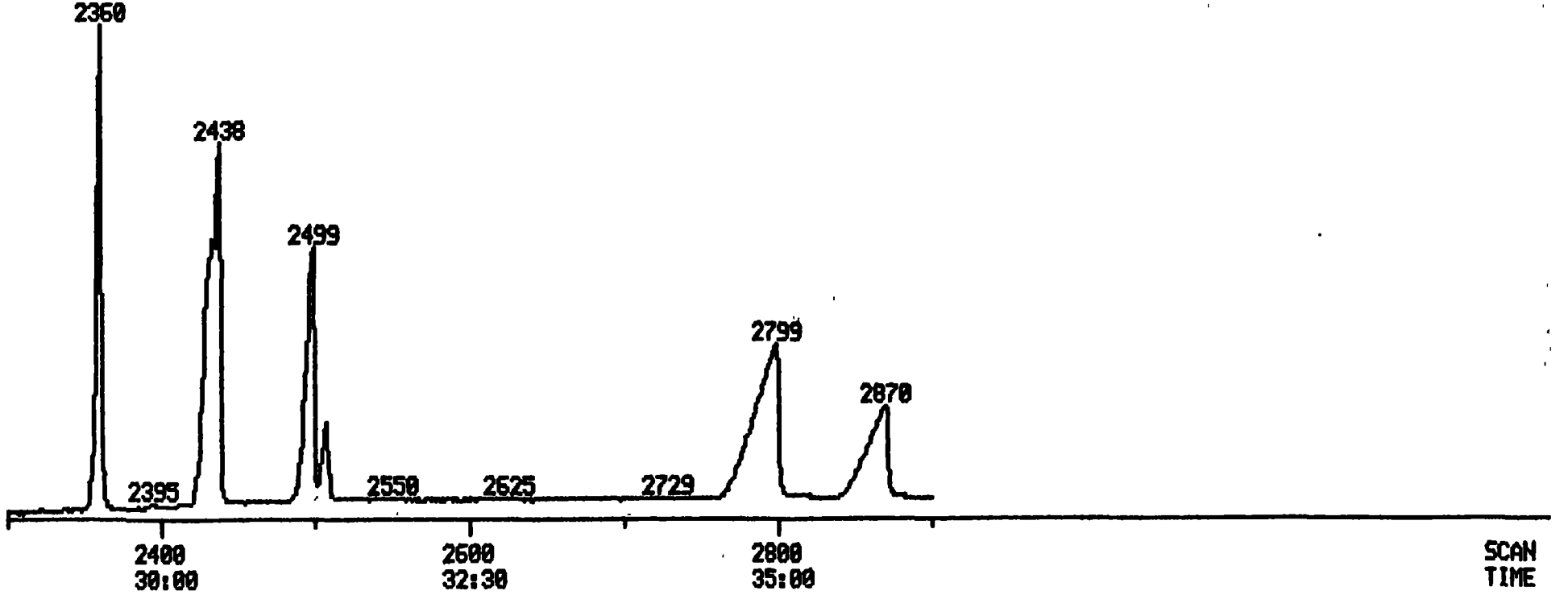
100.0



Q 1895
ST ~~01895~~

RIC DATA: STDR099 #4 SCANS 2300 TO 2900
04/16/87 11:51:00 CALI: 050288CR #7 OUT OF 300 TO 2900
SAMPLE: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
CONDS.: SK
RANGE: G 1.2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 286720.



PROCEDURE: TCA DIAGNOSTIC REPORT 5/04/88 12:59:56
DATA FILE: STDR099
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: ISO1

01896

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	150	ISO1/TC01
3	3	1	16	18	18	4	224	ISO2/TC02
3	3	1	16	12	12	4	84	ISO3/TC03
3	3	2	37	18	18	2	89	ISO4/TC04
3	3	1	37	11	11	8	124	ISO5/TC05
3	3	1	57	8	8	1	71	ISO6/TC06
3	3	1	55	15	15	4	134	ISO7/TC07
1	1	1	0	4	4	1	153	ISO8/TC08

81 COMPOUNDS PROCESSED, 81 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	-741	747	747	.	1	972	.	152	746	-1	1
2	S1	15	-361	370	370	.	4	990	.	74	370	.	1
3	S1	2	-540	548	546	-2	1	988	-1	112	546	.	1
4	S1	3	-688	695	697	2	1	966	.	99	697	.	1
5	S1	105	-690	697	699	2	1	976	.	94	699	.	1
6	S1	100	-693	700	700	.	1	965	.	93	702	2	1
7	S1	110	-704	711	712	1	1	976	.	93	712	.	1
8	S1	115	-711	718	718	.	1	991	.	128	718	.	1
9	S1	125	-736	743	741	-2	1	995	.	146	741	.	1
10	S2	1	-982	987	987	.	1	996	.	136	987	.	1
11	S3	1	-1342	1346	1346	.	1	973	.	164	1346	.	1
12	S1	130	-745	751	750	-1	1	995	.	146	750	.	1
13	S1	145	-772	778	781	3	1	989	.	108	781	.	1
14	S1	150	-779	785	783	-2	1	991	.	146	783	.	1
15	S1	160	-794	800	801	1	1	980	.	108	801	.	1
16	S1	165	-801	807	806	-1	1	970	.	45	806	.	1
17	S1	185	-822	828	830	2	1	995	.	108	830	.	1
18	S1	190	-829	835	839	4	1	996	.	70	839	.	1
19	S1	200	-835	841	838	-3	1	988	.	117	838	.	1
20	S2	2	-849	855	856	1	1	997	.	82	856	.	1
21	S2	10	-853	859	860	1	1	999	.	77	860	.	1
22	S2	20	-899	905	904	-1	2	978	.	82	.	.	.
23	S2	25	-913	918	918	.	1	984	.	139	918	.	1
24	S2	30	-922	927	929	2	1	995	.	107	929	.	1
25	S2	35	-943	948	948	.	1	999	.	93	948	.	1
26	S2	45	-948	953	948	-5	2	993	.	122	948	.	1
27	S2	40	-958	963	964	1	1	996	.	162	964	.	1
28	S2	55	-975	980	980	.	1	997	.	180	980	.	1
29	S2	60	-987	992	992	.	1	993	-1	128	992	.	1
30	S2	80	-1002	1007	1007	.	1	992	.	127	1007	.	1
31	S2	95	-1024	1029	1027	-2	2	1000	.	225	1027	.	1
32	S2	130	-1100	1104	1104	.	1	991	.	107	1104	.	1
33	S2	145	-1125	1129	1130	1	1	990	.	142	1130	.	1
34	S3	20	-1172	1176	1175	-1	1	992	.	237	1175	.	1
35	S3	25	-1188	1192	1193	1	2	996	.	196	1193	.	1
36	S4	1	-1647	1651	1651	.	2	991	.	188	1651	.	1
37	S3	30	-1195	1200	1199	-1	2	1000	.	196	1199	.	1
38	S3	3	-1206	1211	1210	-1	1	998	.	172	1210	.	1
39	S3	40	-1224	1229	1228	-1	1	997	.	162	1228	.	1
40	S3	45	-1253	1258	1258	.	1	996	.	65	1258	.	1
41	S3	55	-1300	1305	1306	1	1	978	.	163	1306	.	1
42	S3	65	-1311	1316	1315	-1	1	1000	.	152	1315	.	1
43	S3	70	-1313	1318	1318	.	1	995	.	165	1318	.	1
44	S3	75	-1339	1344	1345	1	1	998	.	138	1345	.	1
45	S3	80	-1350	1355	1354	-1	1	984	.	153	1354	.	1
46	S3	85	-1359	1364	1365	1	1	988	.	184	1365	.	1
47	S3	95	-1373	1378	1379	1	1	988	.	109	1379	.	1
48	S3	90	-1382	1387	1387	.	1	962	.	168	1387	.	1
49	S3	105	-1392	1397	1398	1	1	997	.	165	1398	.	1
50	S3	130	-1447	1452	1453	1	1	961	.	149	1453	.	1
51	S3	135	-1454	1459	1459	.	1	995	.	166	1458	-1	1
52	S3	140	-1455	1459	1459	.	1	960	.	204	1459	.	1
53	S3	150	-1466	1470	1468	-2	2	984	.	138	1468	.	1
54	S4	10	-1476	1480	1478	-2	2	969	.	198	.	.	.
55	S4	15	-1482	1486	1488	2	2	991	.	169	1488	.	1
56	S4	20	-1488	1492	1493	1	1	998	.	77	1493	.	1
57	S3	2	-1508	1512	1512	.	1	996	.	330	1512	.	1
58	S4	30	-1556	1560	1559	-1	1	911	.	248	1559	.	1
59	S4	40	-1585	1589	1589	.	1	993	.	284	1589	.	1
60	S5	1	-2207	2213	2213	.	1	948	.	240	2212	-1	1
61	S4	50	-1622	1626	1626	.	1	991	.	266	1626	.	1
62	S4	65	-1653	1657	1657	.	1	960	.	178	1657	.	1
63	S4	70	-1662	1666	1666	.	1	948	.	178	1666	.	1

64	S4	85	-1785	1789	1788	-1	1	941	.			.	
65	S4	110	-1903	1907	1907	.	1	977	.	202	1907	.	1
66	S6	1	-2501	2507	2507	.	1	994	.	264	2507	.	1
67	S5	10	-1932	1936	1936	.	1	994	.	184	1936	.	1
68	S5	15	-1950	1954	1954	.	1	993	.	202	1954	.	1
69	S5	2	-1987	1991	1990	-1	1	974	.	244	1990	.	1
70	S5	40	-2099	2104	2102	-2	1	992	.	149	2102	.	1
71	S5	35	-2202	2208	2209	1	1	980	.	252	2209	.	1
72	S5	30	-2204	2210	2209	-1	1	994	.	228	2209	.	1
73	S5	60	-2214	2220	2220	.	1	991	.	228	2220	.	1
74	S5	65	-2227	2233	2231	-2	1	989	.	149	2231	.	1
75	S6	10	-2355	2361	2360	-1	1	995	.	149	2360	.	1
76	S6	15	-2425	2432	2433	1	2	993	.	252	.	.	.
77	S6	25	-2430	2437	2438	1	2	996	.	252	2438	.	1
78	S6	35	-2490	2497	2499	2	1	994	.	252	2498	-1	1
79	S6	55	-2769	2791	2790	-1	1	993	.	276	2789	-1	1
80	S6	65	-2769	2791	2790	-1	1	989	.	276	2789	-1	1
81	S6	60	-2775	2797	2799	2	1	993	.	278	2799	.	1

Quantitation Report File: STDR099

01898

Data: STDR099.TI
04/16/87 11:51:00
Sample: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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		N-NITROSODIMETHYLAMINE	74	S1#	15	62-75-9
3	CS50	2-FLUOROPHENOL	112	SS1#	02	367-12-4
4	CS45	PHENOL-D5	99	SS1#	03	4165-62-2
5	C315	PHENOL	94	S1#	105CC	108-95-2
6		ANILINE	93	S1#	100	62-53-3
7	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#	110	111-44-4
8	C330	2-CHLOROPHENOL	128	S2#	115	95-57-8
9	C335	1,3-DICHLOROBENZENE	146	S1#	125	541-73-1
10	CI40	NAPHTHALENE-D8	136	IS2#	01	1146-65-2
11	CI50	ACENAPHTHENE-D10	164	IS3#	01	15067-26-2
12	C340	1,4-DICHLOROBENZENE	146	S1#	130CC	106-46-7
13	C345	BENZYL ALCOHOL	108	S1#	145	100-51-6
14	C350	1,2-DICHLOROBENZENE	146	S1#	150	95-50-1
15	C355	2-METHYLPHENOL	108	S1#	160	95-48-7
16	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#	165	108-60-1
17	C365	4-METHYLPHENOL	108	S1#	185	106-44-5
18	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#	190SP	621-64-7
19	C375	HEXACHLOROETHANE	117	S1#	200	67-72-1
20	CS20	NITROBENZENE-D5	82	SS2#	02	4165-60-0
21	C410	NITROBENZENE	77	S2#	10	98-95-3
22	C415	ISOPHORONE	82	S2#	20	75-59-1
23	C420	2-NITROPHENOL	139	S2#	25CC	88-75-5
24	C425	2,4-DIMETHYLPHENOL	107	S2#	30	105-67-9
25	C435	BIS(2-CHLOROETHOXY)METH	93	S2#	35	111-91-1
26	C430	BENZOIC ACID	122	S2#	45	65-85-0
27	C440	2,4-DICHLOROPHENOL	162	S2#	40	120-83-2
28	C445	1,2,4-TRICHLOROBENZENE	180	S2#	55	120-82-1
29	C450	NAPHTHALENE	128	S2#	60	91-20-3
30	C455	4-CHLOROANALINE	127	S2#	80	106-47-8
31	C460	HEXACHLOROBUTADIENE	225	S2#	95CC	87-68-3
32	C465	4-CHLORO-3-METHYLPHENO	107	S2#	130CC	59-50-7
33	C470	2-METHYLNAPHTHALENE	142	S2#	145	91-57-6
34	C510	HEXACHLOROCYCLOPENTADI	237	S3#	20	77-47-4
35	C515	2,4,6-TRICHLOROPHENOL	196	S3#	25CC	88-06-2
36	CI60	PHENANTHRENE-D10	188	IS4#	01	1517-22-2
37	C520	2,4,5-TRICHLOROPHENOL	196	S3#	30	95-95-4
38	CS25	2-FLUOROBIPHENYL	172	SS3#	03	321-60-8
39	C525	2-CHLORONAPHTHALENE	162	S3#	40	91-58-7
40	C530	2-NITROANALINE	65	S3#	45	88-74-4
41	C535	DIMETHYLPHTHALATE	163	S3#	55	131-11-3
42	C540	ACENAPHTHYLENE	152	S3#	65	208-96-8
43	C543	2,6-DINITROTOLUENE	165	S3#	70	606-20-2
44	C545	3-NITROANILINE	138	S3#	75	99-09-2
45	C550	ACENAPHTHENE	153	S3#	80CC	83-32-9
46	C555	2,4-DINITROPHENOL	184	S3#	85SP	51-28-5
47	C560	4-NITROPHENOL	109	S3#	95SP	100-02-7

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

01899

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	746	9:19	1	1.000	A BB	22317.	40.000	UG/ML	0.30
2	74	370	4:37	1	0.496	A BB	122446.	167.510	UG/ML	1.27
3	112	546	6:49	1	0.732	A BB	317761.	315.556	UG/ML	2.40
4	99	697	8:43	1	0.934	A BB	364793.	306.449	UG/ML	2.33
5	94	699	8:44	1	0.937	A BV	217416.	154.551	UG/ML	1.18
6	93	702	8:46	1	0.941	A BV	235867.	154.748	UG/ML	1.18
7	93	712	8:54	1	0.954	A VB	159083.	152.547	UG/ML	1.16
8	128	718	8:58	1	0.962	A BB	141015.	156.762	UG/ML	1.19
9	146	741	9:16	1	0.993	A BV	146337.	156.034	UG/ML	1.19
10	136	987	12:20	10	1.000	A BB	79032.	40.000	UG/ML	0.30
11	164	1346	16:49	11	1.000	A BB	34681.	40.000	UG/ML	0.30
12	146	750	9:22	1	1.005	A VB	153039.	154.966	UG/ML	1.18
13	108	781	9:46	1	1.047	A BB	88995.	155.206	UG/ML	1.18
14	146	783	9:47	1	1.050	A BB	142856.	159.548	UG/ML	1.21
15	108	801	10:01	1	1.074	A BB	124187.	151.203	UG/ML	1.15
16	45	806	10:04	1	1.080	A BB	255213.	156.332	UG/ML	1.19
17	108	830	10:22	1	1.113	A BB	129262.	148.717	UG/ML	1.13
18	70	839	10:29	1	1.125	A BB	115945.	151.268	UG/ML	1.15
19	117	838	10:28	1	1.123	A BB	59940.	156.208	UG/ML	1.19
20	82	856	10:42	10	0.867	A BB	156688.	160.353	UG/ML	1.22
21	77	860	10:45	10	0.871	A BB	154747.	163.533	UG/ML	1.24
22	NOT	FOUND								
23	139	918	11:28	10	0.930	A BB	74928.	167.678	UG/ML	1.28
24	107	929	11:37	10	0.941	A BB	115800.	158.737	UG/ML	1.21
25	93	948	11:51	10	0.960	A BB	173710.	158.795	UG/ML	1.21
26	122	948	11:51	10	0.960	A BV	8981.	26.332	UG/ML	0.20
27	162	964	12:03	10	0.977	A BB	85495.	157.587	UG/ML	1.20
28	180	980	12:15	10	0.993	A BB	97310.	157.254	UG/ML	1.20
29	128	992	12:24	10	1.005	A BV	336153.	148.741	UG/ML	1.13
30	127	1007	12:35	10	1.020	A BB	143561.	161.306	UG/ML	1.23
31	225	1027	12:50	10	1.041	A BB	46301.	154.892	UG/ML	1.18
32	107	1104	13:48	10	1.119	A BB	96119.	151.368	UG/ML	1.15
33	142	1130	14:07	10	1.145	A BB	206257.	153.720	UG/ML	1.17
34	237	1175	14:41	11	0.873	A BB	49639.	171.693	UG/ML	1.31
35	196	1193	14:55	11	0.886	A BV	59735.	188.524	UG/ML	1.43
36	188	1651	20:38	36	1.000	A BB	42010.	40.000	UG/ML	0.30
37	196	1199	14:59	11	0.891	A VB	40665.	131.453	UG/ML	1.00
38	172	1210	15:07	11	0.899	A BB	204776.	161.751	UG/ML	1.23
39	162	1228	15:21	11	0.912	A BB	182266.	164.070	UG/ML	1.25
40	65	1258	15:43	11	0.935	A BB	63552.	150.686	UG/ML	1.15
41	163	1306	16:19	11	0.970	A BB	176348.	149.239	UG/ML	1.13
42	152	1315	16:26	11	0.977	A BB	274325.	158.029	UG/ML	1.20
43	165	1318	16:28	11	0.979	A VB	44190.	143.069	UG/ML	1.09
44	138	1345	16:49	11	0.999	A BB	45959.	173.362	UG/ML	1.32
45	153	1354	16:55	11	1.006	A BB	168186.	158.064	UG/ML	1.20
46	184	1365	17:04	11	1.014	A BB	21699.	193.420	UG/ML	1.47
47	109	1379	17:14	11	1.025	A VV	14739.	143.425	UG/ML	1.09
48	168	1387	17:20	11	1.030	A BB	226144.	155.265	UG/ML	1.18
49	165	1398	17:28	11	1.039	A BB	50060.	143.390	UG/ML	1.09
50	149	1453	18:10	11	1.079	A VB	160411.	142.234	UG/ML	1.08

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:16	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:31	1.02	0.487	1.02	167.51	50.00	4.389	1.310	3.35
3	6:45	1.01	0.728	1.01	315.56	100.00	5.695	1.805	3.16
4	8:36	1.01	0.927	1.01	306.45	100.00	6.538	2.134	3.06
5	8:37	1.01	0.930	1.01	154.55	50.00	7.794	2.521	3.09
6	8:40	1.01	0.934	1.01	154.75	50.00	8.455	2.732	3.09
7	8:48	1.01	0.949	1.01	152.55	50.00	5.703	1.869	3.05
8	8:53	1.01	0.958	1.00	156.76	50.00	5.055	1.612	3.14
9	9:12	1.01	0.992	1.00	156.03	50.00	5.246	1.681	3.12
10	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
11	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
12	9:19	1.01	1.004	1.00	154.97	50.00	5.486	1.770	3.10
13	9:39	1.01	1.040	1.01	155.21	50.00	3.190	1.028	3.10
14	9:44	1.01	1.050	1.00	159.55	50.00	5.121	1.605	3.19
15	9:55	1.01	1.070	1.00	151.20	50.00	4.452	1.472	3.02
16	10:01	1.01	1.080	1.00	156.33	50.00	9.149	2.926	3.13
17	10:16	1.01	1.108	1.00	148.72	50.00	4.634	1.558	2.97
18	10:22	1.01	1.117	1.01	151.27	50.00	4.156	1.374	3.03
19	10:26	1.00	1.125	1.00	156.21	50.00	2.149	0.688	3.12
20	10:37	1.01	0.864	1.00	160.35	50.00	1.586	0.495	3.21
21	10:40	1.01	0.868	1.00	163.53	50.00	1.566	0.479	3.27
22	11:14		0.915						
23	11:25	1.01	0.929	1.00	167.68	50.00	0.758	0.226	3.35
24	11:31	1.01	0.938	1.00	158.74	50.00	1.172	0.369	3.17
25	11:47	1.01	0.959	1.00	158.79	50.00	1.779	0.560	3.18
26	11:51	1.00	0.964	1.00	26.33	50.00	0.091	0.173	0.53
27	11:58	1.01	0.975	1.00	157.59	50.00	0.865	0.275	3.15
28	12:11	1.01	0.992	1.00	157.25	50.00	0.985	0.313	3.15
29	12:20	1.01	1.004	1.00	148.74	50.00	3.403	1.144	2.97
30	12:31	1.00	1.019	1.00	161.31	50.00	1.453	0.450	3.23
31	12:48	1.00	1.042	1.00	154.89	50.00	0.469	0.151	3.10
32	13:45	1.00	1.119	1.00	151.37	50.00	0.973	0.321	3.03
33	14:04	1.00	1.144	1.00	153.72	50.00	2.088	0.679	3.07
34	14:39	1.00	0.873	1.00	171.69	50.00	1.145	0.333	3.43
35	14:51	1.00	0.885	1.00	188.52	50.00	1.378	0.365	3.77
36	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
37	14:56	1.00	0.890	1.00	131.45	50.00	0.938	0.357	2.63
38	15:04	1.00	0.898	1.00	161.75	50.00	4.724	1.460	3.24
39	15:18	1.00	0.911	1.00	164.07	50.00	4.204	1.281	3.28
40	15:40	1.00	0.933	1.00	150.69	50.00	1.466	0.486	3.01
41	16:15	1.00	0.968	1.00	149.24	50.00	4.068	1.363	2.98
42	16:23	1.00	0.976	1.00	158.03	50.00	6.328	2.002	3.16
43	16:25	1.00	0.978	1.00	143.07	50.00	1.019	0.356	2.86
44	16:44	1.00	0.997	1.00	173.36	50.00	1.060	0.306	3.47
45	16:52	1.00	1.005	1.00	158.06	50.00	3.880	1.227	3.16
46	16:59	1.00	1.012	1.00	193.42	50.00	0.501	0.129	3.87
47	17:10	1.00	1.022	1.00	143.43	50.00	0.340	0.119	2.87
48	17:16	1.00	1.029	1.00	155.26	50.00	5.217	1.680	3.11
49	17:24	1.00	1.036	1.00	143.39	50.00	1.155	0.403	2.87
50	18:05	1.00	1.077	1.00	142.23	50.00	3.700	1.301	2.84

Quantitation Report File: STDR099

C1901

Data: STDR099.TI
04/16/87 11:51:00
Sample: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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	C585	4-CHLOROPHENYL-PHENYLE	204	S3#140	7005-72-3
53	C595	4-NITROANALINE	138	S3#150	100-01-6
54	C610	4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
55	C615	N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
56	AZOBENZENE		77	S4# 20	103-33-3
57	C955	2,4,6-TRIBROMOPHENOL	330	S3# 02	118-79-6
58	C625	4-BROMOPHENYL-PHENYLET	248	S4# 30	101-55-3
59	C630	HEXACHLOROBENZENE	284	S4# 40	118-74-1
60	CI70	CHRYSENE-D12	240	IS5# 01	1719-03-5
61	C635	PENTACHLOROPHENOL	266	S4# 50	87-86-5
62	C640	PHENANTHRENE	178	S4# 65	85-01-8
63	C645	ANTHRACENE	178	S4# 70	120-12-7
64	C650	DI-N-BUTYLPHTHALATE	149	S4# 85	84-74-2
65	C655	FLUORANTHENE	202	S4#110CC	206-44-0
66	CI75	PERYLENE-D12	164	IS6# 01	1520-96-3
67	BENZIDINE		184	S5# 10	92-81-5
68	C715	PYRENE	202	S5# 15	129-00-0
69	C830	TERPHENYL-D14	244	S5# 02	1718-51-0
70	C720	BUTYLBENZYLPHTHALATE	149	S5# 40	85-68-7
71	C725	3,3'-DICHLOROBENZIDINE	252	S5# 55	91-94-1
72	C730	BENZO(A)ANTHRACENE	228	S5# 50	56-55-3
73	C740	CHRYSENE	228	S5# 60	218-01-9
74	C745	BIS(2-ETHYLHEXYL)PHTHA	149	S5# 65	117-81-7
75	C760	DI-N-OCTYL PHTHALATE	149	S6# 10CC	117-84-0
76	C765	BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
77	C770	BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
78	C775	BENZO(A)PYRENE	252	S6# 35	50-32-8
79	C780	INDENO(1,2,3-CD)PYRENE	276	S6# 55	193-39-5
80	C790	BENZO(G,H,I)PERYLENE	276	S6# 65	191-24-2
81	C785	DIBENZ(A,H)ANTHRACENE	278	S6# 60	53-70-3

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	166	1458	18:13	11	1.083	A BB	176651.	148.579	UG/ML	1.13
52	204	1459	18:14	11	1.084	A BB	68964.	147.130	UG/ML	1.12
53	138	1468	18:21	11	1.091	A VV	16482.	99.206	UG/ML	0.75
54	NOT FOUND									
55	169	1488	18:36	36	0.901	A BB	113420.	171.362	UG/ML	1.30
56	77	1493	18:40	36	0.904	A BB	249791.	175.839	UG/ML	1.34
57	330	1512	18:54	11	1.123	A BB	40338.	291.264	UG/ML	2.21
58	248	1559	19:29	36	0.944	A BB	42847.	175.342	UG/ML	1.33
59	284	1589	19:52	36	0.962	A BB	46420.	168.091	UG/ML	1.28
60	240	2212	27:39	60	1.000	A BB	31548.	40.000	UG/ML	0.30
61	266	1626	20:19	36	0.985	A BB	25054.	178.454	UG/ML	1.36
62	178	1657	20:43	36	1.004	A BV	216777.	167.396	UG/ML	1.27

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
63	178	1666	20:49	36	1.009	A VB	201054.	153.410	UG/ML	1.17
64	149	1788	22:21	36	1.083	A BB	249280.	161.216	UG/ML	1.23
65	202	1907	23:50	36	1.155	A VB	179110.	173.993	UG/ML	1.32
66	264	2507	31:20	66	1.000	A BB	26330.	40.000	UG/ML	0.30
67	184	1936	24:12	60	0.875	A BB	113299.	766.600	UG/ML	5.83
68	202	1954	24:25	60	0.883	A VB	178147.	120.214	UG/ML	0.91
69	244	1990	24:52	60	0.900	A BB	117782.	129.677	UG/ML	0.99
70	149	2102	26:16	60	0.950	A VB	99691.	147.309	UG/ML	1.12
71	252	2209	27:37	60	0.999	A BB	102810.	703.016	UG/ML	5.35
72	228	2209	27:37	60	0.999	A BV	155098.	159.799	UG/ML	1.22
73	228	2220	27:45	60	1.004	A VB	136580.	153.169	UG/ML	1.16
74	149	2231	27:53	60	1.009	A BB	152559.	157.085	UG/ML	1.19
75	149	2360	29:30	66	0.941	A BB	251775.	134.263	UG/ML	1.02
76	NOT	FOUND								
77	252	2438	30:28	66	0.972	A BB	292457.	279.737	UG/ML	2.13
78	252	2498	31:13	66	0.996	A BB	134153.	171.786	UG/ML	1.31
79	276	2789	34:52	66	1.112	A BB	113365.	164.704	UG/ML	1.25
80	276	2789	34:52	66	1.112	A BB	113365.	166.520	UG/ML	1.27
81	278	2799	34:59	66	1.116	A BB	105332.	199.655	UG/ML	1.52

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	18:10	1.00	1.083	1.00	148.38	50.00	4.075	1.371	2.97
52	18:11	1.00	1.083	1.00	147.13	50.00	1.591	0.541	2.94
53	18:19	1.00	1.092	1.00	99.21	50.00	0.380	0.192	1.98
54	18:27		0.896						
55	18:31	1.00	0.899	1.00	171.36	50.00	2.160	0.630	3.43
56	18:36	1.00	0.903	1.00	175.84	50.00	4.757	1.353	3.52
57	18:51	1.00	1.123	1.00	291.26	100.00	0.465	0.160	2.91
58	19:27	1.00	0.944	1.00	175.34	50.00	0.816	0.233	3.51
59	19:49	1.00	0.962	1.00	168.09	50.00	0.884	0.263	3.36
60	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	20:16	1.00	0.984	1.00	178.45	50.00	0.477	0.134	3.57
62	20:40	1.00	1.003	1.00	167.40	50.00	4.128	1.233	3.35
63	20:46	1.00	1.008	1.00	153.41	50.00	3.829	1.248	3.07
64	22:19	1.00	1.083	1.00	161.22	50.00	4.747	1.472	3.22
65	23:47	1.00	1.155	1.00	173.99	50.00	3.411	0.980	3.48
66	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
67	24:09	1.00	0.875	1.00	766.60	100.00	1.437	0.187	7.67
68	24:22	1.00	0.883	1.00	120.21	50.00	4.517	1.879	2.40
69	24:50	1.00	0.900	1.00	129.68	50.00	2.987	1.152	2.59
70	26:14	1.00	0.951	1.00	147.31	50.00	2.528	0.858	2.95
71	27:31	1.00	0.997	1.00	703.02	100.00	1.304	0.185	7.03
72	27:33	1.00	0.998	1.00	159.80	50.00	3.933	1.231	3.20
73	27:40	1.00	1.003	1.00	153.17	50.00	3.463	1.131	3.06
74	27:50	1.00	1.009	1.00	157.08	50.00	3.869	1.231	3.14
75	29:26	1.00	0.941	1.00	134.26	50.00	7.650	2.849	2.69
76	30:19		0.969						
77	30:22	1.00	0.971	1.00	279.74	50.00	8.886	1.588	5.59
78	31:07	1.00	0.995	1.00	171.79	50.00	4.076	1.186	3.44
79	34:37	1.01	1.107	1.01	164.70	50.00	3.444	1.046	3.29
80	34:37	1.01	1.107	1.01	166.52	50.00	3.444	1.034	3.33
81	34:41	1.01	1.109	1.01	199.65	50.00	3.200	0.801	3.99

TCA FINISHED, 81 FOUND
FINISHED AT: 5/04/88 13:09:01

01903

RMAL QUANTITATION SUMMARY FILE: STDR099
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	746	1	22317.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	987	2	79032.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1346	3	34681.	1.000	40.000
4	S4# 1	CI60 PHENANTHRENE-D10	188	1651	4	42010.	1.000	40.000
5	S5# 1	CI70 CHRYSENE-D12	240	2212	5	31548.	1.000	40.000
6	S6# 1	CI75 PERYLENE-D12	264	2507	6	26330.	1.000	40.000
7	S2# 2	CS20 NITROBENZENE-D5	82	856	2	156688.	1.586	160.353
8	S3# 3	CS25 2-FLUOROBIPHENYL	172	1210	3	204776.	4.724	161.751
9	S5# 2	CS30 TERPHENYL-D14	244	1990	5	117782.	2.987	129.677
10	S1# 3	CS45 PHENOL-D5	99	697	1	364793.	6.338	306.449
11	S1# 2	CS50 2-FLUOROPHENOL	112	546	1	317761.	5.695	315.556
12	S3# 2	CS55 2,4,6-TRIBROMOPHENO	330	1512	3	40338.	0.465	291.264
13	S1# 15	N-NITROSODIMETHYLAMINE	74	370	1	122446.	4.389	167.510
14	S1#100	ANILINE	93	702	1	235867.	8.455	154.748
15	S1#105	C315 PHENOL	94	699	1	217416.	7.794	154.551
16	S1#110	C325 BIS(2-CHLOROETHYL)E	93	712	1	159083.	5.703	152.547
17	S1#115	C330 2-CHLOROPHENOL	128	718	1	141015.	5.055	156.762
18	S1#125	C335 1,3-DICHLOROBENZENE	146	741	1	146337.	5.246	156.034
19	S1#130	C340 1,4-DICHLOROBENZENE	146	750	1	153039.	5.486	154.966
20	S1#145	C345 BENZYL ALCOHOL	108	781	1	88995.	3.190	155.206
21	S1#150	C350 1,2-DICHLOROBENZENE	146	783	1	142856.	5.121	159.548
22	S1#160	C355 2-METHYLPHENOL	108	801	1	124187.	4.452	151.203
23	S1#165	C360 BIS(2-CHLOROISOPROP	45	806	1	255213.	9.149	156.332
24	S1#185	C365 4-METHYLPHENOL	108	830	1	129262.	4.634	148.717
25	S1#190	C370 N-NITROSO-DI-N-PROP	70	839	1	115945.	4.156	151.268
26	S1#200	C375 HEXACHLOROETHANE	117	838	1	59940.	2.149	156.208
27	S2# 10	C410 NITROBENZENE	77	860	2	154747.	1.566	163.533
28	S2# 20	C415 ISOPHORONE	82		2	NOT FOUND		
29	S2# 25	C420 2-NITROPHENOL	139	918	2	74928.	0.758	167.678
30	S2# 30	C425 2,4-DIMETHYLPHENOL	107	929	2	115800.	1.172	158.737
31	S2# 35	C435 BIS(2-CHLOROETHOXY)	93	948	2	175710.	1.779	158.795
32	S2# 40	C440 2,4-DICHLOROPHENOL	162	964	2	85495.	0.865	157.587
33	S2# 45	C430 BENZOIC ACID	122	948	2	8981.	0.091	26.332
34	S2# 55	C445 1,2,4-TRICHLOROBENZ	180	980	2	97310.	0.985	157.254
35	S2# 60	C450 NAPHTHALENE	128	992	2	336153.	3.403	148.741
36	S2# 80	C455 4-CHLOROANALINE	127	1007	2	143561.	1.453	161.306
37	S2# 95	C460 HEXACHLOROBUTADIENE	225	1027	2	46301.	0.469	154.892
38	S2#130	C465 4-CHLORO-3-METHYLPH	107	1104	2	96119.	0.973	151.368
39	S2#145	C470 2-METHYLNAPHTHALENE	142	1130	2	206257.	2.088	153.720
40	S3# 20	C510 HEXACHLOROCYCLOPENT	237	1175	3	49639.	1.145	171.693
41	S3# 25	C515 2,4,6-TRICHLOROPHEN	196	1193	3	59735.	1.378	188.524
42	S3# 30	C520 2,4,5-TRICHLOROPHEN	196	1199	3	40665.	0.938	131.453
43	S3# 40	C525 2-CHLORONAPHTHALENE	162	1228	3	182266.	4.204	164.070
44	S3# 45	C530 2-NITROANALINE	65	1258	3	63552.	1.466	150.686
45	S3# 55	C535 DIMETHYLPHTHALATE	163	1306	3	176348.	4.068	149.239
46	S3# 65	C540 ACENAPHTHYLENE	152	1315	3	274325.	6.328	158.029
47	S3# 70	C543 2,6-DINITROTOLUENE	165	1318	3	44190.	1.019	143.070
48	S3# 75	C545 3-NITROANILINE	138	1345	3	45959.	1.060	173.363
49	S3# 80	C550 ACENAPHTHENE	153	1354	3	168186.	3.880	158.064
50	S3# 85	C555 2,4-DINITROPHENOL	184	1365	3	21699.	0.501	193.420
51	S3# 90	C565 DIBENZOFURAN	168	1387	3	226144.	5.217	155.265
52	S3# 95	C560 4-NITROPHENOL	109	1379	3	14739.	0.340	143.425
53	S3#105	C570 2,4-DINITROTOLUENE	165	1398	3	50060.	1.155	143.391
54	S3#130	C580 DIETHYLPHTHALATE	149	1453	3	160411.	3.700	142.234
55	S3#135	C590 FLUORENE	166	1458	3	176651.	4.075	148.579
56	S3#140	C585 4-CHLOROPHENYL-PHEN	204	1459	3	68964.	1.591	147.130
57	S3#150	C595 4-NITROANALINE	138	1468	3	16482.	0.380	99.207
58	S4# 10	C610 4,6-DINITRO-2-METHY	198		4	NOT FOUND		
59	S4# 15	C615 N-NITROSODIPHENYLAM	169	1488	4	113420.	2.160	171.362
60	S4# 20	AZOBENZENE	77	1493	4	249791.	4.757	175.839
61	S4# 30	C625 4-BROMOPHENYL-PHENY	248	1559	4	42847.	0.816	175.342
62	S4# 40	C630 HEXACHLOROBENZENE	284	1589	4	46420.	0.884	168.091
63	S4# 50	C635 PENTACHLOROPHENOL	266	1626	4	25054.	0.477	178.454
64	S4# 65	C640 PHENANTHRENE	178	1657	4	216777.	4.128	167.396
65	S4# 70	C645 ANTHRACENE	178	1666	4	201054.	3.829	153.410
66	S4# 85	C650 DI-N-BUTYLPHTHALATE	149	1788	4	249280.	4.747	161.216
67	S4#110	C655 FLUORANTHENE	202	1907	4	179110.	3.411	173.993
68	S5# 10	BENZIDINE	184	1936	5	113299.	1.437	766.600
69	S5# 15	C715 PYRENE	202	1954	5	178147.	4.517	120.214
70	S5# 40	C720 BUTYLBENZYLPHTHALAT	149	2102	5	99691.	2.528	147.309
71	S5# 50	C730 BENZO(A)ANTHRACENE	228	2209	5	155098.	3.933	159.800

74	S5#	65	C745	BIS(2-ETHYLHEXYL)PH	149	2231	5	152559.	3.869	157.085	
75	S6#	10	C760	DI-N-OCTYL PHTHALAT	149	2360	6	251775.	7.650	134.263	
76	S6#	15	C765	BENZO(B)FLUORANTHEN	252		6	NOT FOUND			
77	S6#	25	C770	BENZO(K)FLUORANTHEN	252	2438	6	292457.	8.886	279.737	
78	S6#	35	C775	BENZO(A)PYRENE	252	2498	6	134153.	4.076	171.786	
79	S6#	55	C780	INDENO(1,2,3-CD)PYR	276	2789	6	113365.	3.444	164.704	
80	S6#	60	C785	DIBENZ(A,H)ANTHRACE	278	2799	6	105332.	3.200	199.655	
81	S6#	65	C790	BENZO(G,H,I)PERYLEN	276	2789	6	113365.	3.444	166.520	

1904

Quantitation Report File: STDR099

01905

Data: STDR099.TI
04/16/87 11:51:00
Sample: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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	C615 N-NITROSODIPHENYLAMINE	169	S4# 15CC	87-30-6
56	AZOBENZENE	77	S4# 20	103-33-3
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	BENZIDINE	184	S5# 10	92-81-5
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	C775 BENZO(A)PYRENE	252	S6# 35	50-32-8
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	C415 ISOPHORONE	82	S2# 20	78-59-1
77	C430 BENZOIC ACID	122	S2# 45	65-85-0
78	C610 4,6-DINITRO-2-METHYLPH	198	S4# 10	534-52-1
79	C765 BENZO(B)FLUORANTHENE	252	S6# 15	205-99-2
80	C770 BENZO(K)FLUORANTHENE	252	S6# 25	207-08-9
81	C595 4-NITROANALINE	138	S3#150	100-01-6

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	165	1398	17:28	3	1.039	A BB	50060.	143.390	UG/ML	1.04
52	149	1453	18:10	3	1.079	A VB	160411.	142.234	UG/ML	1.03
53	166	1458	18:13	3	1.083	A BB	176651.	148.579	UG/ML	1.07
54	204	1459	18:14	3	1.084	A BB	68964.	147.130	UG/ML	1.06
55	169	1488	18:36	4	0.901	A BB	113420.	171.362	UG/ML	1.24
56	77	1493	18:40	4	0.904	A BB	249791.	175.839	UG/ML	1.27
57	248	1539	19:29	4	0.944	A BB	42847.	175.342	UG/ML	1.27
58	284	1589	19:52	4	0.962	A BB	46420.	168.091	UG/ML	1.22
59	266	1626	20:19	4	0.985	A BB	25054.	178.454	UG/ML	1.29
60	178	1657	20:43	4	1.004	A BV	216777.	167.396	UG/ML	1.21
61	178	1666	20:49	4	1.009	A VB	201054.	153.410	UG/ML	1.11
62	149	1788	22:21	4	1.083	A BB	249280.	161.216	UG/ML	1.17

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
63	202	1907	23:50	4	1.155	A VB	179110.	173.993	UG/ML	1.26
64	184	1936	24:12	5	0.875	A BB	113299.	766.600	UG/ML	5.54
65	202	1954	24:25	5	0.883	A VB	178147.	120.214	UG/ML	0.87
66	149	2102	26:16	5	0.950	A VB	99691.	147.309	UG/ML	1.07
67	228	2209	27:37	5	0.999	A BV	155098.	159.799	UG/ML	1.16
68	252	2209	27:37	5	0.999	A BB	102810.	703.016	UG/ML	5.08
69	228	2220	27:45	5	1.004	A VB	136580.	153.169	UG/ML	1.11
70	149	2231	27:53	5	1.009	A BB	152559.	157.085	UG/ML	1.14
71	149	2360	29:30	6	0.941	A BB	251775.	134.263	UG/ML	0.97
72	252	2498	31:13	6	0.996	A BB	134153.	171.786	UG/ML	1.24
73	276	2789	34:52	6	1.112	A BB	113365.	164.704	UG/ML	1.19
74	278	2799	34:59	6	1.116	A BB	105332.	199.655	UG/ML	1.44
75	276	2789	34:52	6	1.112	A BB	113365.	166.520	UG/ML	1.20
76	82	909	11:22	2	0.921	M XX	283188.	158.498	UG/ML	1.15
77	122	966	12:04	2	0.979	M XX	50848.	149.087	UG/ML	1.08
78	198	1483	18:32	4	0.898	M XX	29957.	206.096	UG/ML	1.49
79	252	2433	30:25	6	0.970	M XX	176949.	183.735	UG/ML	1.33
80	252	2438	30:28	6	0.972	M XX	153218.	146.554	UG/ML	1.06
81	138	1475	18:26	3	1.096	M XX	39951.	240.472	UG/ML	1.74

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	17:24	1.00	1.036	1.00	143.39	50.00	1.155	0.403	2.87
52	18:05	1.00	1.077	1.00	142.23	50.00	3.700	1.301	2.84
53	18:10	1.00	1.083	1.00	148.58	50.00	4.075	1.371	2.97
54	18:11	1.00	1.083	1.00	147.13	50.00	1.591	0.541	2.94
55	18:31	1.00	0.899	1.00	171.36	50.00	2.160	0.630	3.43
56	18:36	1.00	0.903	1.00	175.84	50.00	4.757	1.353	3.52
57	19:27	1.00	0.944	1.00	175.34	50.00	0.816	0.233	3.51
58	19:49	1.00	0.962	1.00	168.09	50.00	0.884	0.263	3.36
59	20:16	1.00	0.984	1.00	178.45	50.00	0.477	0.134	3.57
60	20:40	1.00	1.003	1.00	167.40	50.00	4.128	1.233	3.35
61	20:46	1.00	1.008	1.00	153.41	50.00	3.829	1.248	3.07
62	22:19	1.00	1.083	1.00	161.22	50.00	4.747	1.472	3.22
63	23:47	1.00	1.155	1.00	173.99	50.00	3.411	0.980	3.48
64	24:09	1.00	0.875	1.00	766.60	100.00	1.437	0.187	7.67
65	24:22	1.00	0.883	1.00	120.21	50.00	4.517	1.879	2.40
66	26:14	1.00	0.951	1.00	147.31	50.00	2.528	0.858	2.95
67	27:33	1.00	0.998	1.00	159.80	50.00	3.933	1.231	3.20
68	27:31	1.00	0.997	1.00	703.02	100.00	1.304	0.185	7.03
69	27:40	1.00	1.003	1.00	153.17	50.00	3.463	1.131	3.06
70	27:50	1.00	1.009	1.00	157.08	50.00	3.869	1.231	3.14
71	29:26	1.00	0.941	1.00	134.26	50.00	7.650	2.849	2.69
72	31:07	1.00	0.995	1.00	171.79	50.00	4.076	1.186	3.44
73	34:37	1.01	1.107	1.01	164.70	50.00	3.444	1.046	3.29
74	34:41	1.01	1.109	1.01	199.65	50.00	3.200	0.801	3.99
75	34:37	1.01	1.107	1.01	166.52	50.00	3.444	1.034	3.33
76	11:14	1.01	0.915	1.01	158.50	50.00	2.867	0.904	3.17
77	11:51	1.02	0.964	1.01	149.09	50.00	0.515	0.173	2.98
78	18:27	1.00	0.896	1.00	206.10	50.00	0.570	0.138	4.12
79	30:19	1.00	0.969	1.00	183.74	50.00	5.376	1.463	3.67
80	30:22	1.00	0.971	1.00	146.55	50.00	4.655	1.588	2.93
81	18:19	1.01	1.092	1.00	240.47	50.00	0.922	0.192	4.81

01906

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:16	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:37	1.01	0.864	1.00	160.35	50.00	1.586	0.495	3.21
8	15:04	1.00	0.898	1.00	161.75	50.00	4.724	1.460	3.24
9	24:50	1.00	0.900	1.00	129.68	50.00	2.987	1.152	2.59
10	8:36	1.01	0.927	1.01	306.45	100.00	6.538	2.134	3.06
11	6:45	1.01	0.728	1.01	315.56	100.00	5.695	1.805	3.16
12	18:51	1.00	1.123	1.00	291.26	100.00	0.465	0.160	2.91
13	4:31	1.02	0.487	1.02	167.51	50.00	4.389	1.310	3.35
14	8:40	1.01	0.934	1.01	154.75	50.00	8.455	2.732	3.09
15	8:37	1.01	0.930	1.01	154.55	50.00	7.794	2.521	3.09
16	8:48	1.01	0.949	1.01	152.55	50.00	5.703	1.869	3.05
17	8:53	1.01	0.958	1.00	156.76	50.00	5.055	1.612	3.14
18	9:12	1.01	0.992	1.00	156.03	50.00	5.246	1.681	3.12
19	9:19	1.01	1.004	1.00	154.97	50.00	5.486	1.770	3.10
20	9:39	1.01	1.040	1.01	155.21	50.00	3.190	1.028	3.10
21	9:44	1.01	1.050	1.00	159.55	50.00	5.121	1.605	3.19
22	9:55	1.01	1.070	1.00	151.20	50.00	4.452	1.472	3.02
23	10:01	1.01	1.080	1.00	156.33	50.00	9.149	2.926	3.13
24	10:16	1.01	1.108	1.00	148.72	50.00	4.634	1.558	2.97
25	10:22	1.01	1.117	1.01	151.27	50.00	4.156	1.374	3.03
26	10:26	1.00	1.125	1.00	156.21	50.00	2.149	0.688	3.12
27	10:40	1.01	0.868	1.00	163.53	50.00	1.566	0.479	3.27
28	11:25	1.01	0.929	1.00	167.68	50.00	0.758	0.226	3.35
29	11:31	1.01	0.938	1.00	158.74	50.00	1.172	0.369	3.17
30	11:47	1.01	0.959	1.00	158.79	50.00	1.779	0.560	3.18
31	11:58	1.01	0.975	1.00	157.59	50.00	0.865	0.275	3.15
32	12:11	1.01	0.992	1.00	157.25	50.00	0.985	0.313	3.15
33	12:20	1.01	1.004	1.00	148.74	50.00	3.403	1.144	2.97
34	12:31	1.00	1.019	1.00	161.31	50.00	1.453	0.450	3.23
35	12:48	1.00	1.042	1.00	154.89	50.00	0.469	0.151	3.10
36	13:45	1.00	1.119	1.00	151.37	50.00	0.973	0.321	3.03
37	14:04	1.00	1.144	1.00	153.72	50.00	2.088	0.679	3.07
38	14:39	1.00	0.873	1.00	171.69	50.00	1.145	0.333	3.43
39	14:51	1.00	0.885	1.00	188.52	50.00	1.378	0.365	3.77
40	14:56	1.00	0.890	1.00	131.45	50.00	0.938	0.357	2.63
41	15:18	1.00	0.911	1.00	164.07	50.00	4.204	1.281	3.28
42	15:40	1.00	0.933	1.00	150.69	50.00	1.466	0.486	3.01
43	16:15	1.00	0.968	1.00	149.24	50.00	4.068	1.363	2.98
44	16:23	1.00	0.976	1.00	158.03	50.00	6.328	2.002	3.16
45	16:25	1.00	0.978	1.00	143.07	50.00	1.019	0.356	2.86
46	16:44	1.00	0.997	1.00	173.36	50.00	1.060	0.306	3.47
47	16:52	1.00	1.005	1.00	158.06	50.00	3.880	1.227	3.16
48	16:59	1.00	1.012	1.00	193.42	50.00	0.501	0.129	3.87
49	17:16	1.00	1.029	1.00	155.26	50.00	5.217	1.680	3.11
50	17:10	1.00	1.022	1.00	143.43	50.00	0.340	0.119	2.87

01907

01908

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	746	9:19	1	1.000	A BB	22317.	40.000	UG/ML	0.29
2	136	987	12:20	2	1.000	A BB	79032.	40.000	UG/ML	0.29
3	164	1346	16:49	3	1.000	A BB	34681.	40.000	UG/ML	0.29
4	188	1651	20:38	4	1.000	A BB	42010.	40.000	UG/ML	0.29
5	240	2212	27:39	5	1.000	A BB	31548.	40.000	UG/ML	0.29
6	264	2507	31:20	6	1.000	A BB	26330.	40.000	UG/ML	0.29
7	82	856	10:42	2	0.867	A BB	156688.	160.353	UG/ML	1.16
8	172	1210	15:07	3	0.899	A BB	204776.	161.751	UG/ML	1.17
9	244	1990	24:52	5	0.900	A BB	117782.	129.677	UG/ML	0.94
10	99	697	8:43	1	0.934	A BB	364793.	306.449	UG/ML	2.22
11	112	546	6:49	1	0.732	A BB	317761.	315.556	UG/ML	2.28
12	330	1512	18:54	3	1.123	A BB	40338.	291.264	UG/ML	2.11
13	74	370	4:37	1	0.496	A BB	122446.	167.510	UG/ML	1.21
14	93	702	8:46	1	0.941	A BV	235867.	154.748	UG/ML	1.12
15	94	699	8:44	1	0.937	A BV	217416.	154.551	UG/ML	1.12
16	93	712	8:54	1	0.954	A VB	159083.	152.547	UG/ML	1.10
17	128	718	8:58	1	0.962	A BB	141015.	156.762	UG/ML	1.13
18	146	741	9:16	1	0.993	A BV	146337.	156.034	UG/ML	1.13
19	146	750	9:22	1	1.005	A VB	153039.	154.966	UG/ML	1.12
20	108	781	9:46	1	1.047	A BB	88995.	155.206	UG/ML	1.12
21	146	783	9:47	1	1.050	A BB	142856.	159.548	UG/ML	1.15
22	108	801	10:01	1	1.074	A BB	124187.	151.203	UG/ML	1.09
23	45	806	10:04	1	1.080	A BB	255213.	156.332	UG/ML	1.13
24	108	830	10:22	1	1.113	A BB	129262.	148.717	UG/ML	1.08
25	70	839	10:29	1	1.125	A BB	115945.	151.268	UG/ML	1.09
26	117	838	10:28	1	1.123	A BB	59940.	156.208	UG/ML	1.13
27	77	860	10:45	2	0.871	A BB	154747.	163.533	UG/ML	1.18
28	139	918	11:28	2	0.930	A BB	74928.	167.678	UG/ML	1.21
29	107	929	11:37	2	0.941	A BB	115800.	158.737	UG/ML	1.15
30	93	948	11:51	2	0.960	A BB	175710.	158.795	UG/ML	1.15
31	162	964	12:03	2	0.977	A BB	85495.	157.587	UG/ML	1.14
32	180	980	12:15	2	0.993	A BB	97310.	157.254	UG/ML	1.14
33	128	992	12:24	2	1.005	A BV	336153.	148.741	UG/ML	1.08
34	127	1007	12:35	2	1.020	A BB	143561.	161.306	UG/ML	1.17
35	225	1027	12:50	2	1.041	A BB	46301.	154.892	UG/ML	1.12
36	107	1104	13:48	2	1.119	A BB	96119.	151.368	UG/ML	1.09
37	142	1130	14:07	2	1.145	A BB	206257.	153.720	UG/ML	1.11
38	237	1175	14:41	3	0.873	A BB	49639.	171.693	UG/ML	1.24
39	196	1193	14:55	3	0.886	A BV	59735.	188.524	UG/ML	1.36
40	196	1199	14:59	3	0.891	A VB	40665.	131.453	UG/ML	0.95
41	162	1228	15:21	3	0.912	A BB	182266.	164.070	UG/ML	1.19
42	65	1258	15:43	3	0.935	A BB	63552.	150.686	UG/ML	1.09
43	163	1306	16:19	3	0.970	A BB	176348.	149.239	UG/ML	1.08
44	152	1315	16:26	3	0.977	A BB	274325.	158.029	UG/ML	1.14
45	165	1318	16:28	3	0.979	A VB	44190.	143.069	UG/ML	1.03
46	138	1345	16:49	3	0.999	A BB	45959.	173.362	UG/ML	1.25
47	153	1354	16:55	3	1.006	A BB	168186.	158.064	UG/ML	1.14
48	184	1365	17:04	3	1.014	A BB	21699.	193.420	UG/ML	1.40
49	168	1387	17:20	3	1.030	A BB	226144.	155.265	UG/ML	1.12
50	109	1379	17:14	3	1.025	A VV	14739.	143.425	UG/ML	1.04

Quantitation Report File: STDR099

01909

Data: STDR099.TI
04/16/87 11:51:00
Sample: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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		N-NITROSODIMETHYLAMINE	74	S1#	15	62-75-9
14		ANILINE	93	S1#	100	62-53-3
15	C315	PHENOL	94	S1#	105CC	108-95-2
16	C325	BIS(2-CHLOROETHYL)ETHER	93	S1#	110	111-44-4
17	C330	2-CHLOROPHENOL	128	S2#	115	95-57-8
18	C335	1,3-DICHLOROBENZENE	146	S1#	125	541-73-1
19	C340	1,4-DICHLOROBENZENE	146	S1#	130CC	106-46-7
20	C345	BENZYL ALCOHOL	108	S1#	145	100-51-6
21	C350	1,2-DICHLOROBENZENE	146	S1#	150	95-50-1
22	C355	2-METHYLPHENOL	108	S1#	160	95-48-7
23	C360	BIS(2-CHLOROISOPROPYL)E	45	S1#	165	108-60-1
24	C365	4-METHYLPHENOL	108	S1#	185	106-44-5
25	C370	N-NITROSO-DI-N-PROPYLAM	70	S1#	190SP	621-64-7
26	C375	HEXACHLOROETHANE	117	S1#	200	67-72-1
27	C410	NITROBENZENE	77	S2#	10	98-95-3
28	C420	2-NITROPHENOL	139	S2#	25CC	88-75-5
29	C425	2,4-DIMETHYLPHENOL	107	S2#	30	105-67-9
30	C435	BIS(2-CHLOROETHOXY)METH	93	S2#	35	111-91-1
31	C440	2,4-DICHLOROPHENOL	162	S2#	40	120-83-2
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

Rocky Mountain Analytical Laboratory

01910

GC CONDITONS

Proj	Col	Phase	Inj Temp	Init Temp	Init Time	Ramp Rate	Final Temp	Final Time	Flow cc/Min	Press psig
—	DB-5	—	250	30	1	10/8	325	10	4415	14

DETECTOR

Type	Atten	Range	Temp	Mass	Scan Time	Analyst
MS		40-500	100	40-	.75	.

Internal Standard 1987

COMMENTS: NEW COLUMN 4/14/87

Sample #	Date	% Sol/Vol	File Name	Tape #	Disk #	IS #1	IS #2	IS #3	IS #4	IS #5	IS #6	Init	Comments
Cali	4/15		Ø41587CR	82	2:	—	—	—	—	—	—	JOE	
DFTPP	4/15		DFRØ87		2:							JC	
DFTPP	4/15		DFR088		2:	—	—	—	—	—	—	CR	
STD HSL	4/15		STDR089		2:	Hit						CR	4/7/87 #1 - Dn at 41 out EM 1275
STD HSL	4/15		STDR090		2:							CR	EM 1250
STD HSL	4/15		STD091		2:							CR	EM 1225
Cali	4/15		041587CR		2:	—	—	—	—	—	—	CR	New Ext., Lens, Round Ext.
DFTPP	4/15		DFR092		2:	—	—	—	—	—	—	CR	Hit!
STD HSL	4/15		STDR093 ✓		2	40—						CR	#1 4/7/87
Cali	4/16		ST041687CR		2	—	—	—	—	—	—	CR	
DFTPP	4/16		DFR094		2	—	—	—	—	—	—	CR	
STD HSL	4/16	50	STDR095		2	19247	72417	34835	49333	24799	16092	CR	4/7/87 HWB 5-PT
STD HSL		20	STDR096		2	20820	74980	35761	49914	35241	27066	CR	
STD HSL		80	STDR097		2	20850	82381	37487	48743	24654	16241	CR	
STD HSL		120	STDR098		2	23249	82288	37046	47817	23780	15327	CR	
STD HSL	↓	160	STDR099	↓	2	22378	77947	35092	41957	32549	21666	CR	

QUANTITATION REPORT FILE: STDR095

01911

DATA: STDR095.TI
04/16/87 8:34:00
SAMPLE: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
SUBMITTED BY: RMAL ANALYST: CR

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

NO	NAME				
1	CI30	D4-1,4-DICHLOROBENZENE	152	1E1#	1
2	C140	D8-NAPHTHALENE	136	IE1#	18
3	CI50	D10-ACENAPHTHENE	164	IE1#	33
4	CI60	D10-PHENANTHRENE	188	IE1#	54
5	CI70	D12-CHRYSENE	240	IE1#	65
6	CI75	D12-PERYLENE	264	IE1#	74
7	CS20	D5-NITROBENZENE	82	SE1#	32
8	CS50	2-FLUOROBIPHENYL	172	SE1#	52
9	CS30	D14-TERPHENYL	244	SE1#	73
10	CS45	D5-PHENOL	99	SE1#	17
11	CS50	2-FLUOROPHENOL	112	SE1#	16
12	CS55	2,4,6-TRIBROMOPHENOL	330	SE1#	53
13	C310	N-NITROSODIMETHYLAMINE	74	E1#	02
14	C315	PHENOL	94	E1#	03CC
15	C320	ANILINE	93	E1#	04
16	C325	BIS(2-CHLOROETHYL)ETHER	93	E1#	05
17	C330	2-CHLOROPHENOL	128	E1#	06
18	C335	1,3-DICHLOROBENZENE	146	E1#	07
19	C340	1,4-DICHLOROBENZENE	146	E1#	08
20	C345	BENZYL ALCOHOL	108	E1#	09
21	C350	1,2-DICHLOROBENZENE	146	E1#	10
22	C355	2-METHYLPHENOL	108	E1#	11
23	C360	BIS(2-CHLOISOPRO)ETHER	45	E1#	12
24	C365	4-METHYLPHENOL	108	E1#	13
25	C370	N-NITR-DI-N-PROPYLAMINE	70	E1#	14
26	C375	HEXACHLOROETHANE	117	E1#	15
27	C410	NITROBENZENE	77	E1#	19
28	C415	ISOPHRONE	82	E1#	20
29	C420	2-NITROPHENOL	139	E1#	21CC
30	C425	2,4-DIMETHYLPHENOL	107	E1#	22
31	C435	BIS(2-CHLOROETHOXY)METH	93	E1#	23
32	C430	BENZOIC ACID	122	E1#	24
33	C440	2,4-DICHLOROPHENOL	162	E1#	25CC
34	C445	1,2,4-TRICHLOROBENZENE	180	E1#	26
35	C450	NAPHTHALENE	128	E1#	27
36	C455	4-CHLOROANILINE	127	E1#	28
37	C460	HEXACHLOROBUTADIENE	225	E1#	29CC
38	C465	4-CHLORO-3-METHYLPHENOL	107	E1#	30CC
39	C470	2-METHYLNAPHTHALENE	142	E1#	31
40	C510	HEXACHLORCYCLPENTDIENE	237	E1#	34SP
41	C515	2,4,6-TRICHLOROPHENOL	196	E1#	35CC
42	C520	2,4,5-TRICHLOROPHENOL	196	E1#	36
43	C525	2-CHLORONAPHTHALENE	162	E1#	37
44	C530	2-NITROANILINE	65	E1#	38
45	C535	DIMETHYL PHTHALATE	163	E1#	39
46	C540	ACENAPHTHYLENE	152	E1#	40

NO	NAME				
47	C575	2,6-DINITROTOLUENE	165	E1#	41
48	C545	3-NITROANILINE	138	E1#	42
49	C550	ACENAPHTHENE	153	E1#	43
50	C555	2,4-DINITROPHENOL	184	E1#	44
51	C560	4-NITROPHENOL	109	E1#	45
52	C565	DIBENZOFURAN	168	E1#	46
53	C570	2,4-DINITROTOLUENE	165	E1#	47
54	C580	DIETHYLPHTHALATE	149	E1#	48
55	C590	FLUORENE	166	E1#	49
56	C585	4-CHLOPHEN-PHENYLETHER	204	E1#	50
57	C595	4-NITROANILINE	138	E1#	51
58	C610	4,6-DINIT-2-METHPHENOL	198	E1#	55
59	C615	N-NITROSODIPHENYLAMINE	169	E1#	56CC
60	C800	AZOBENZENE	77	E1#	57
61	C625	4-BROMPHEN-PHENYLETHER	248	E1#	58
62	C630	HEXACHLOROBENZENE	284	E1#	59
63	C635	PENTACHLOROPHENOL	266	E1#	60
64	C640	PHENANTHRENE	178	E1#	61
65	C645	ANTHRACENE	178	E1#	62
66	C650	DI-N-BUTYLPHTHALATE	149	E1#	63
67	C655	FLUORANTHENE	202	E1#	64
68	C710	BENZIDINE	184	E1#	66
69	C715	PYRENE	202	E1#	67
70	C720	BUTYLBENZYLPHTHALATE	149	E1#	68
71	C725	3,3'-DICHLOROBENZIDINE	252	E1#	69
72	C730	BENZO(A)ANTHRACENE	228	E1#	70
73	C740	CHRYSENE	228	E1#	71
74	C735	BIS(2-ETHHEX)PHTHALATE	149	E1#	72
75	C760	DI-N-OCTYL PHTHALATE	149	E1#	75
76	C765	BENZO(B)FLUORANTHENE	252	E1#	76
77	C770	BENZO(K)FLUORANTHENE	252	E1#	77
78	C775	BENZO(A)PYRENE	252	E1#	78
79	C780	INDENO(1,2,3-CD)PYRENE	276	E1#	79
80	C785	DIBENZ(A,H)ANTHRACENE	278	E1#	80
81	C790	BENZO(GHI)PERYLENE	276	E1#	81

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	742	9:16	1	1.000	# BV	19247.	40.000	UG/ML	0.88
2	136	983	12:17	2	1.000	# BV	72417.	40.000	UG/ML	0.88
3	164	1343	16:47	3	1.000	A BB	34835.	40.000	UG/ML	0.88
4	188	1648	20:36	4	1.000	# BV	49333.	40.000	UG/ML	0.88
5	240	2208	27:36	5	1.000	# BV	24799.	40.000	UG/ML	0.88
6	264	2502	31:16	6	1.000	A BB	15092.	40.000	UG/ML	0.88
7	82	849	10:37	2	0.864	# BV	44924.	58.995	UG/ML	1.30
8	172	1206	15:04	3	0.898	A BB	63576.	48.600	UG/ML	1.07
9	244	1987	24:50	5	0.900	# BV	35779.	58.951	UG/ML	1.30
10	99	688	8:36	1	0.927	# BV	102332.	113.009	UG/ML	2.48
11	112	540	6:45	1	0.728	# BV	86497.	111.803	UG/ML	2.46
12	330	1508	18:51	3	1.123	# BV	13834.	152.425	UG/ML	3.35
13	74	361	4:31	1	0.487	# VV	31559.	69.310	UG/ML	1.52
14	94	690	8:37	1	0.930	# BV	60235.	56.844	UG/ML	1.25
15	93	693	8:40	1	0.934	# BV	65344.	55.569	UG/ML	1.22
16	93	704	8:48	1	0.949	# VV	45491.	67.353	UG/ML	1.48
17	128	711	8:53	1	0.958	# BV	38383.	52.690	UG/ML	1.16
18	146	736	9:12	1	0.992	# BV	40369.	50.372	UG/ML	1.11
19	146	745	9:19	1	1.004	# VV	43375.	50.896	UG/ML	1.12

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	108	772	9:39	1	1.040	# BV	24106.	61.330	UG/ML	1.35
21	146	779	9:44	1	1.050	# VV	39996.	51.872	UG/ML	1.14
22	108	794	9:55	1	1.070	# VV	36180.	49.503	UG/ML	1.09
23	45	801	10:01	1	1.080	# VV	70164.	99.480	UG/ML	2.19
24	108	822	10:16	1	1.108	# BB	37288.	51.418	UG/ML	1.13
25	70	829	10:22	1	1.117	# BV	32963.	69.966	UG/ML	1.54
26	117	835	10:26	1	1.125	A BB	16434.	55.810	UG/ML	1.23
27	77	853	10:40	2	0.868	# BV	43315.	57.650	UG/ML	1.27
28	82	899	11:14	2	0.915	# BV	82193.	60.476	UG/ML	1.33
29	139	913	11:25	2	0.929	# BV	20355.	52.279	UG/ML	1.15
30	107	922	11:31	2	0.938	# BV	33412.	54.122	UG/ML	1.19
31	93	943	11:47	2	0.959	# BB	50563.	69.290	UG/ML	1.52
32	122	948	11:51	2	0.964	# VV	15688.	65.241	UG/ML	1.43
33	162	958	11:58	2	0.975	A BB	24816.	45.737	UG/ML	1.00
34	180	975	12:11	2	0.992	# BV	28256.	46.466	UG/ML	1.02
35	128	987	12:20	2	1.004	# BV	103909.	50.922	UG/ML	1.12
36	127	1002	12:31	2	1.019	# BB	41303.	51.858	UG/ML	1.14
37	225	1024	12:48	2	1.042	# BV	13678.	49.795	UG/ML	1.09
38	107	1100	13:45	2	1.119	# BV	29096.	58.900	UG/ML	1.29
39	142	1125	14:04	2	1.144	# BV	61747.	51.417	UG/ML	1.13
40	237	1172	14:39	3	0.873	A BB	14522.	59.989	UG/ML	1.32
41	196	1188	14:51	3	0.885	# BV	15915.	53.811	UG/ML	1.18
42	196	1195	14:56	3	0.890	# VB	15932.	45.839	UG/ML	1.01
43	162	1224	15:18	3	0.911	A BB	55789.	48.488	UG/ML	1.07
44	65	1253	15:40	3	0.933	# BV	21185.	65.962	UG/ML	1.45
45	163	1300	16:15	3	0.968	A BB	59448.	63.469	UG/ML	1.39
46	152	1311	16:23	3	0.976	# BB	87172.	54.309	UG/ML	1.19
47	165	1313	16:25	3	0.978	A BB	15516.	55.852	UG/ML	1.23
48	138	1339	16:44	3	0.997	# BV	15061.	51.476	UG/ML	1.13
49	153	1350	16:52	3	1.005	A BB	53607.	55.753	UG/ML	1.23
50	184	1359	16:59	3	1.012	A BB	5639.	50.778	UG/ML	1.12
51	109	1373	17:10	3	1.022	# BV	4907.	49.036	UG/ML	1.08
52	168	1382	17:16	3	1.029	# BV	73143.	51.891	UG/ML	1.14
53	165	1392	17:24	3	1.036	A BB	17538.	52.156	UG/ML	1.15
54	149	1447	18:05	3	1.077	# BV	56666.	64.057	UG/ML	1.41
55	166	1454	18:10	3	1.083	A BB	59707.	54.217	UG/ML	1.19
56	204	1455	18:11	3	1.083	A BB	23543.	53.829	UG/ML	1.18
57	138	1466	18:19	3	1.092	M XX	8892.	36.732	UG/ML	0.81
58	198	1476	18:27	4	0.896	A BB	8479.	45.691	UG/ML	1.00
59	169	1482	18:31	4	0.899	A BB	38854.	51.900	UG/ML	1.14
60	77	1488	18:36	4	0.903	# VV	77755.	52.307	UG/ML	1.15
61	248	1556	19:27	4	0.944	A BB	14248.	63.957	UG/ML	1.41
62	284	1585	19:49	4	0.962	A BB	16100.	63.792	UG/ML	1.40
63	266	1622	20:16	4	0.984	A BB	8191.	59.684	UG/ML	1.31
64	178	1653	20:40	4	1.003	# BV	76418.	51.535	UG/ML	1.13
65	178	1662	20:46	4	1.008	# VB	78552.	50.828	UG/ML	1.12
66	149	1785	22:19	4	1.083	# BV	90578.	59.250	UG/ML	1.30
67	202	1903	23:47	4	1.155	# BV	60444.	48.143	UG/ML	1.06
68	184	1932	24:09	5	0.875	# BV	11695.	50.421	UG/ML	1.11
69	202	1950	24:22	5	0.883	# VV	58141.	48.874	UG/ML	1.07
70	149	2099	26:14	5	0.951	# BV	26520.	55.667	UG/ML	1.22
71	252	2202	27:31	5	0.997	# BV	12284.	52.983	UG/ML	1.16
72	228	2204	27:33	5	0.998	# BV	38441.	48.181	UG/ML	1.06
73	228	2214	27:40	5	1.003	# VV	36494.	47.258	UG/ML	1.04
74	149	2227	27:50	5	1.009	# VV	38019.	56.150	UG/ML	1.23
75	149	2355	29:26	6	0.941	# VV	54529.	56.294	UG/ML	1.24

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
76	252	2425	30:19	6	0.969	M XX	27581.	51.549	UG/ML	1.13
77	252	2430	30:22	6	0.971	M XX	30275.	49.410	UG/ML	1.09
78	252	2490	31:07	6	0.995	# BV	22980.	47.565	UG/ML	1.05
79	276	2769	34:37	6	1.107	# BV	19375.	43.737	UG/ML	0.96
80	278	2775	34:41	6	1.109	M XX	14944.	41.649	UG/ML	0.92
81	276	2846	35:34	6	1.137	M XX	16160.	46.164	UG/ML	1.01

RMAL QUANTITATION SUMMARY FILE: STDR095
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

NO	NAME				SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	C130	D4-1,4-DICHLOROBENZENE	152	1E1# 1	742	1	1.000	1.000	40.000	UG/ML
2	C140	D8-NAPHTHALENE	136	1E1# 18	983	2	1.000	1.000	40.000	UG/ML
3	C150	D10-ACENAPHTHENE	164	1E1# 33	1343	3	1.000	1.000	40.000	UG/ML
4	C160	D10-PHENANTHRENE	188	1E1# 54	1648	4	1.000	1.000	40.000	UG/ML
5	C170	D12-CHRYSENE	240	1E1# 65	2208	5	1.000	1.000	40.000	UG/ML
6	C175	D12-PERYLENE	264	1E1# 74	2502	6	1.000	1.000	40.000	UG/ML
7	C920	D5-NITROBENZENE	82	2E1# 32	849	2	0.864	0.496	38.995	UG/ML
8	C950	2-FLUOROBIPHENYL	172	2E1# 52	1206	3	0.898	1.460	48.600	UG/ML
9	C930	D14-TERPHENYL	244	6E1# 73	1987	5	0.900	1.154	58.951	UG/ML
10	C945	D5-PHENOL	99	8E1# 17	688	1	0.927	2.127	113.009	UG/ML
11	C950	2-FLUOROPHENOL	112	8E1# 16	540	1	0.728	1.798	111.803	UG/ML
12	C955	2,4,6-TRIBROMOPHENOL	330	8E1# 53	1508	3	1.123	0.159	152.425	UG/ML
13	C310	N-NITROSODIMETHYLAMINE	74	E1# 02	361	1	0.487	1.312	69.310	UG/ML
14	C315	PHENOL	94	E1# 03CC	690	1	0.930	2.504	56.844	UG/ML
15	C320	ANILINE	93	E1# 04	693	1	0.934	2.716	55.569	UG/ML
16	C325	BIS(2-CHLOROETHYL)ETHER	93	E1# 05	704	1	0.949	1.891	67.353	UG/ML
17	C330	2-CHLOROPHENOL	128	E1# 06	711	1	0.958	1.595	52.690	UG/ML
18	C335	1,3-DICHLOROBENZENE	146	E1# 07	736	1	0.992	1.678	50.372	UG/ML
19	C340	1,4-DICHLOROBENZENE	146	E1# 08	745	1	1.004	1.803	50.896	UG/ML
20	C345	BENZYL ALCOHOL	108	E1# 09	772	1	1.040	1.002	61.330	UG/ML
21	C350	1,2-DICHLOROBENZENE	146	E1# 10	779	1	1.050	1.662	51.872	UG/ML
22	C355	2-METHYLPHENOL	108	E1# 11	794	1	1.070	1.504	49.503	UG/ML
23	C360	BIS(2-CHLOISOPRO)ETHER	45	E1# 12	801	1	1.080	2.916	99.480	UG/ML
24	C365	4-METHYLPHENOL	108	E1# 13	822	1	1.108	1.550	51.418	UG/ML
25	C370	N-NITR-DI-N-PROPYLAMINE	70	E1# 14	829	1	1.117	1.370	69.966	UG/ML
26	C375	HEXACHLOROETHANE	117	E1# 15	835	1	1.125	0.683	55.810	UG/ML
27	C410	NITROBENZENE	77	E1# 19	853	2	0.868	0.479	57.650	UG/ML
28	C415	ISOPHRONE	82	E1# 20	899	2	0.915	0.908	60.476	UG/ML
29	C420	2-NITROPHENOL	139	E1# 21CC	913	2	0.929	0.225	52.279	UG/ML
30	C425	2,4-DIMETHYLPHENOL	107	E1# 22	922	2	0.938	0.369	54.122	UG/ML
31	C435	BIS(2-CHLOROETHOXY)METH	93	E1# 23	943	2	0.959	0.559	69.290	UG/ML
32	C430	BENZOIC ACID	122	E1# 24	948	2	0.964	0.173	65.241	UG/ML
33	C440	2,4-DICHLOROPHENOL	162	E1# 25CC	958	2	0.975	0.274	45.737	UG/ML
34	C445	1,2,4-TRICHLOROBENZENE	180	E1# 26	975	2	0.992	0.312	46.466	UG/ML
35	C450	NAPHTHALENE	128	E1# 27	987	2	1.004	1.148	50.922	UG/ML
36	C455	4-CHLOROANILINE	127	E1# 28	1002	2	1.019	0.456	51.858	UG/ML
37	C460	HEXACHLOROBUTADIENE	225	E1# 29CC	1024	2	1.042	0.151	49.795	UG/ML
38	C465	4-CHLORO-3-METHYLPHENOL	107	E1# 30CC	1100	2	1.119	0.321	58.900	UG/ML
39	C470	2-METHYLNAPHTHALENE	142	E1# 31	1125	2	1.144	0.682	51.417	UG/ML
40	C510	HEXACHLORCYCLPENTDIENE	237	E1# 34BP	1172	3	0.873	0.334	59.989	UG/ML
41	C515	2,4,6-TRICHLOROPHENOL	196	E1# 35CC	1188	3	0.885	0.365	53.811	UG/ML
42	C520	2,4,5-TRICHLOROPHENOL	196	E1# 36	1195	3	0.890	0.366	45.839	UG/ML
43	C525	2-CHLORONAPHTHALENE	162	E1# 37	1224	3	0.911	1.281	48.488	UG/ML
44	C530	2-NITROANILINE	65	E1# 38	1253	3	0.933	0.487	65.962	UG/ML
45	C535	DIMETHYL PHTHALATE	163	E1# 39	1300	3	0.968	1.365	63.469	UG/ML
46	C540	ACENAPHTHYLENE	152	E1# 40	1311	3	0.976	2.002	54.309	UG/ML
47	C575	2,6-DINITROTOLUENE	165	E1# 41	1313	3	0.978	0.356	55.852	UG/ML
48	C545	3-NITROANILINE	138	E1# 42	1339	3	0.997	0.346	51.476	UG/ML
49	C550	ACENAPHTHENE	153	E1# 43	1350	3	1.005	1.231	55.753	UG/ML
50	C555	2,4-DINITROPHENOL	184	E1# 44	1359	3	1.012	0.130	50.778	UG/ML
51	C560	4-NITROPHENOL	109	E1# 45	1373	3	1.022	0.113	49.036	UG/ML
52	C565	DIBENZOFURAN	168	E1# 46	1382	3	1.029	1.680	51.891	UG/ML
53	C570	2,4-DINITROTOLUENE	165	E1# 47	1392	3	1.036	0.403	52.156	UG/ML
54	C580	DIETHYLPHTHALATE	149	E1# 48	1447	3	1.077	1.301	64.057	UG/ML
55	C590	FLUORENE	166	E1# 49	1454	3	1.083	1.371	54.217	UG/ML
56	C585	4-CHLOPHEN-PHENYLETHER	204	E1# 50	1455	3	1.083	0.541	53.829	UG/ML
57	C595	4-NITROANILINE	138	E1# 51	1466	3	1.092	0.204	36.732	UG/ML
58	C610	4,6-DINIT-2-METHPHENOL	198	E1# 55	1476	4	0.896	0.138	45.691	UG/ML
59	C615	N-NITROSODIPHENYLAMINE	169	E1# 56CC	1482	4	0.899	0.630	51.900	UG/ML
60	C800	AZOBENZENE	77	E1# 57	1488	4	0.903	1.261	52.307	UG/ML
61	C625	4-BROMPHEN-PHENYLETHER	248	E1# 58	1556	4	0.944	0.231	63.957	UG/ML
62	C630	HEXACHLOROBENZENE	284	E1# 59	1585	4	0.962	0.261	63.792	UG/ML
63	C635	PENTACHLOROPHENOL	266	E1# 60	1622	4	0.984	0.133	59.684	UG/ML
64	C640	PHENANTHRENE	178	E1# 61	1653	4	1.003	1.239	51.535	UG/ML
65	C645	ANTHRACENE	178	E1# 62	1662	4	1.008	1.274	50.828	UG/ML
66	C650	DI-N-BUTYLPHTHALATE	149	E1# 63	1785	4	1.083	1.469	59.250	UG/ML
67	C655	FLUORANTHENE	202	E1# 64	1903	4	1.155	0.980	48.143	UG/ML
68	C710	BENZIDINE	184	E1# 66	1932	5	0.875	0.189	50.421	UG/ML
69	C715	PYRENE	202	E1# 67	1950	5	0.883	1.876	48.874	UG/ML
70	C720	BUTYLBENZYLPHTHALATE	149	E1# 68	2099	5	0.951	0.856	55.667	UG/ML
71	C725	3,3'-DICHLOROBENZIDINE	252	E1# 69	2202	5	0.997	0.198	52.983	UG/ML
72	C730	BENZO(A)ANTHRACENE	228	E1# 70	2204	5	0.998	1.240	48.181	UG/ML
73	C740	CHRYSENE	228	E1# 71	2214	5	1.003	1.177	47.258	UG/ML
74	C735	BIS(2-ETHHEX)PHTHALATE	149	E1# 72	2227	5	1.009	1.226	56.150	UG/ML
75	C760	DI-N-OCTYL PHTHALATE	149	E1# 75	2355	6	0.941	2.890	56.294	UG/ML
76	C765	BENZO(B)FLUORANTHENE	252	E1# 76	2425	6	0.969	1.462	51.549	UG/ML
77	C770	BENZO(K)FLUORANTHENE	252	E1# 77	2430	6	0.971	1.605	49.410	UG/ML
78	C775	BENZO(A)PYRENE	252	E1# 78	2490	6	0.995	1.218	47.565	UG/ML
79	C780	INDENO(1,2,3-CD)PYRENE	276	E1# 79	2769	6	1.107	1.027	43.737	UG/ML
80	C785	DIBENZ(A,H)ANTHRACENE	278	E1# 80	2775	6	1.109	0.792	41.649	UG/ML

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	

01917

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	743	9:17	1	1.000	A BB	20748.	40.000	UG/ML	2.28
2	136	983	12:17	2	1.000	A BV	75027.	40.000	UG/ML	2.28
3	164	1344	16:48	3	1.000	A BB	35754.	40.000	UG/ML	2.28
4	188	1648	20:36	4	1.000	A BV	49967.	40.000	UG/ML	2.28
5	240	2209	27:37	5	1.000	A BB	35296.	40.000	UG/ML	2.28
6	264	2503	31:17	6	1.000	A BB	26791.	40.000	UG/ML	2.28
7	82	849	10:37	2	0.864	A BB	18719.	20.000	UG/ML	1.14
8	172	1206	15:04	3	0.897	A BB	25589.	20.000	UG/ML	1.14
9	244	1986	24:49	5	0.899	A BB	16210.	20.000	UG/ML	1.14
10	99	687	8:35	1	0.925	A BB	42022.	40.000	UG/ML	2.28
11	112	540	6:45	1	0.727	A BB	36463.	40.000	UG/ML	2.28
12	330	1507	18:50	3	1.121	A BB	5137.	40.000	UG/ML	2.28
13	94	689	8:37	1	0.927	A BV	24683.	20.000	UG/ML	1.14
14	93	704	8:48	1	0.948	A VB	19505.	20.000	UG/ML	1.14
15	128	711	8:53	1	0.957	A BB	16001.	20.000	UG/ML	1.14
16	146	737	9:13	1	0.992	A BV	17388.	20.000	UG/ML	1.14
17	146	746	9:19	1	1.004	A VB	18162.	20.000	UG/ML	1.14
18	108	772	9:39	1	1.039	A BB	9600.	20.000	UG/ML	1.14
19	146	779	9:44	1	1.048	A BB	16482.	20.000	UG/ML	1.14
20	108	794	9:55	1	1.069	A BV	14572.	20.000	UG/ML	1.14
21	45	801	10:01	1	1.078	A BB	30069.	20.000	UG/ML	1.14
22	108	821	10:16	1	1.105	A BB	15268.	20.000	UG/ML	1.14
23	70	828	10:21	1	1.114	A BB	13765.	20.000	UG/ML	1.14
24	117	835	10:26	1	1.124	A BB	6861.	20.000	UG/ML	1.14
25	77	852	10:39	2	0.867	A BV	18344.	20.000	UG/ML	1.14
26	82	898	11:13	2	0.914	A BB	33199.	20.000	UG/ML	1.14
27	139	913	11:25	2	0.929	A BV	8636.	20.000	UG/ML	1.14
28	107	922	11:31	2	0.938	A BB	13678.	20.000	UG/ML	1.14
29	93	943	11:47	2	0.959	A BB	20577.	20.000	UG/ML	1.14
30	162	958	11:58	2	0.975	A BB	10041.	20.000	UG/ML	1.14
31	122	942	11:46	2	0.958	A BB	5754.	20.000	UG/ML	1.14
32	180	976	12:12	2	0.993	A BB	11726.	20.000	UG/ML	1.14
33	128	987	12:20	2	1.004	A BB	43301.	20.000	UG/ML	1.14
34	127	1003	12:32	2	1.020	A BB	11857.	20.000	UG/ML	1.14
35	225	1025	12:49	2	1.043	A BB	5754.	20.000	UG/ML	1.14
36	107	1100	13:45	2	1.119	A BB	11573.	20.000	UG/ML	1.14
37	142	1126	14:04	2	1.145	A BB	24673.	20.000	UG/ML	1.14
38	237	1173	14:40	3	0.873	A BB	5851.	20.000	UG/ML	1.14
39	196	1189	14:52	3	0.885	A BV	6057.	20.000	UG/ML	1.14
40	196	1195	14:56	3	0.889	A VB	6050.	20.000	UG/ML	1.14
41	162	1224	15:18	3	0.911	A BB	22496.	20.000	UG/ML	1.14
42	65	1253	15:40	3	0.932	A BB	8507.	20.000	UG/ML	1.14
43	163	1300	16:15	3	0.967	A BB	23816.	20.000	UG/ML	1.14
44	152	1311	16:23	3	0.975	A BB	35690.	20.000	UG/ML	1.14
45	165	1312	16:24	3	0.976	A BB	6156.	20.000	UG/ML	1.14
46	138	1339	16:44	3	0.996	M XX	4704.	36.826	UG/ML	2.10
47	138	1339	16:44	3	0.996	A BV	2555.	20.000	UG/ML	1.14
48	184	1359	16:59	3	1.011	A BB	2148.	20.000	UG/ML	1.14
49	168	1382	17:16	3	1.028	A BB	30069.	20.000	UG/ML	1.14
50	109	1372	17:09	3	1.021	A BB	2144.	20.000	UG/ML	1.14

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:48	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:37	1.00	0.864	1.00	20.00	20.00	0.499	0.499	1.00
8	15:04	1.00	0.897	1.00	20.00	20.00	1.431	1.431	1.00
9	24:49	1.00	0.899	1.00	20.00	20.00	0.919	0.919	1.00
10	8:35	1.00	0.925	1.00	40.00	40.00	2.025	2.025	1.00
11	6:45	1.00	0.727	1.00	40.00	40.00	1.757	1.757	1.00
12	18:50	1.00	1.121	1.00	40.00	40.00	0.144	0.144	1.00
13	8:37	1.00	0.927	1.00	20.00	20.00	2.379	2.379	1.00
14	8:48	1.00	0.948	1.00	20.00	20.00	1.880	1.880	1.00
15	8:53	1.00	0.957	1.00	20.00	20.00	1.542	1.542	1.00
16	9:13	1.00	0.992	1.00	20.00	20.00	1.676	1.676	1.00
17	9:19	1.00	1.004	1.00	20.00	20.00	1.751	1.751	1.00
18	9:39	1.00	1.039	1.00	20.00	20.00	0.925	0.925	1.00
19	9:44	1.00	1.048	1.00	20.00	20.00	1.589	1.589	1.00
20	9:55	1.00	1.069	1.00	20.00	20.00	1.405	1.405	1.00
21	10:01	1.00	1.078	1.00	20.00	20.00	2.898	2.898	1.00
22	10:16	1.00	1.105	1.00	20.00	20.00	1.472	1.472	1.00
23	10:21	1.00	1.114	1.00	20.00	20.00	1.327	1.327	1.00
24	10:26	1.00	1.124	1.00	20.00	20.00	0.661	0.661	1.00
25	10:39	1.00	0.867	1.00	20.00	20.00	0.489	0.489	1.00
26	11:13	1.00	0.914	1.00	20.00	20.00	0.885	0.885	1.00
27	11:25	1.00	0.929	1.00	20.00	20.00	0.230	0.230	1.00
28	11:31	1.00	0.938	1.00	20.00	20.00	0.365	0.365	1.00
29	11:47	1.00	0.959	1.00	20.00	20.00	0.549	0.549	1.00
30	11:58	1.00	0.975	1.00	20.00	20.00	0.268	0.268	1.00
31	11:46	1.00	0.958	1.00	20.00	20.00	0.153	0.153	1.00
32	12:12	1.00	0.993	1.00	20.00	20.00	0.313	0.313	1.00
33	12:20	1.00	1.004	1.00	20.00	20.00	1.154	1.154	1.00
34	12:32	1.00	1.020	1.00	20.00	20.00	0.316	0.316	1.00
35	12:49	1.00	1.043	1.00	20.00	20.00	0.153	0.153	1.00
36	13:45	1.00	1.119	1.00	20.00	20.00	0.309	0.309	1.00
37	14:04	1.00	1.145	1.00	20.00	20.00	0.658	0.658	1.00
38	14:40	1.00	0.873	1.00	20.00	20.00	0.327	0.327	1.00
39	14:52	1.00	0.885	1.00	20.00	20.00	0.339	0.339	1.00
40	14:56	1.00	0.889	1.00	20.00	20.00	0.338	0.338	1.00
41	15:18	1.00	0.911	1.00	20.00	20.00	1.258	1.258	1.00
42	15:40	1.00	0.932	1.00	20.00	20.00	0.476	0.476	1.00
43	16:15	1.00	0.967	1.00	20.00	20.00	1.332	1.332	1.00
44	16:23	1.00	0.975	1.00	20.00	20.00	1.996	1.996	1.00
45	16:24	1.00	0.976	1.00	20.00	20.00	0.344	0.344	1.00
46	16:44	1.00	0.996	1.00	36.83	20.00	0.263	0.143	1.84
47	16:44	1.00	0.996	1.00	20.00	20.00	0.143	0.143	1.00
48	16:59	1.00	1.011	1.00	20.00	20.00	0.120	0.120	1.00
49	17:16	1.00	1.028	1.00	20.00	20.00	1.682	1.682	1.00
50	17:09	1.00	1.021	1.00	20.00	20.00	0.120	0.120	1.00

01918

Dan a on epor e:

Data: STDR096.TI
04/16/87 9:26:00
Sample: 20 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01919

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	1392	17:24	3	1.036	A BB	7016.	20.000 UG/ML	1.14
52	149	1446	18:04	3	1.076	A BV	22534.	20.000 UG/ML	1.14
53	166	1454	18:10	3	1.082	A BB	24154.	20.000 UG/ML	1.14
54	204	1455	18:11	3	1.083	A BB	9564.	20.000 UG/ML	1.14
55	138	1466	18:19	3	1.091	A BB	3492.	20.000 UG/ML	1.14
56	198	1475	18:26	4	0.895	A BB	3304.	20.000 UG/ML	1.14
57	169	1481	18:31	4	0.899	A VB	15431.	20.000 UG/ML	1.14
58	248	1556	19:27	4	0.944	A BB	5765.	20.000 UG/ML	1.14
59	284	1585	19:49	4	0.962	A BB	6567.	20.000 UG/ML	1.14
60	266	1621	20:16	4	0.984	A BB	3184.	20.000 UG/ML	1.14
61	178	1653	20:40	4	1.003	A BV	30064.	20.000 UG/ML	1.14
62	178	1662	20:46	4	1.008	A VB	30493.	20.000 UG/ML	1.14
63	149	1785	22:19	4	1.083	A BB	34407.	20.000 UG/ML	1.14
64	202	1903	23:47	4	1.155	A BB	26215.	20.000 UG/ML	1.14
65	202	1950	24:22	5	0.883	A BB	25988.	20.000 UG/ML	1.14
66	149	2099	26:14	5	0.950	A BB	13501.	20.000 UG/ML	1.14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2204	27:33	5	0.998	A BV	21195.	20.000	UG/ML	1.14
68	252	2203	27:32	5	0.997	A BV	9299.	40.000	UG/ML	2.28
69	228	2214	27:40	5	1.002	A VB	19579.	20.000	UG/ML	1.14
70	149	2228	27:51	5	1.009	A BV	20270.	20.000	UG/ML	1.14
71	149	2355	29:26	6	0.941	A BB	31009.	20.000	UG/ML	1.14
72	252	2425	30:19	6	0.969	A BV	16926.	20.000	UG/ML	1.14
73	252	2430	30:22	6	0.971	A VB	17421.	20.000	UG/ML	1.14
74	252	2490	31:07	6	0.995	A BB	15263.	20.000	UG/ML	1.14
75	276	2769	34:37	6	1.106	A BB	14504.	20.000	UG/ML	1.14
76	278	2775	34:41	6	1.109	A BB	11143.	20.000	UG/ML	1.14
77	276	2769	34:37	6	1.106	A BB	14504.	20.000	UG/ML	1.14

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:24	1.00	1.036	1.00	20.00	20.00	0.392	0.392	1.00
52	18:04	1.00	1.076	1.00	20.00	20.00	1.260	1.260	1.00
53	18:10	1.00	1.082	1.00	20.00	20.00	1.351	1.351	1.00
54	18:11	1.00	1.083	1.00	20.00	20.00	0.535	0.535	1.00
55	18:19	1.00	1.091	1.00	20.00	20.00	0.195	0.195	1.00
56	18:26	1.00	0.895	1.00	20.00	20.00	0.132	0.132	1.00
57	18:31	1.00	0.899	1.00	20.00	20.00	0.618	0.618	1.00
58	19:27	1.00	0.944	1.00	20.00	20.00	0.231	0.231	1.00
59	19:49	1.00	0.962	1.00	20.00	20.00	0.263	0.263	1.00
60	20:16	1.00	0.984	1.00	20.00	20.00	0.127	0.127	1.00
61	20:40	1.00	1.003	1.00	20.00	20.00	1.203	1.203	1.00
62	20:46	1.00	1.008	1.00	20.00	20.00	1.221	1.221	1.00
63	22:19	1.00	1.083	1.00	20.00	20.00	1.377	1.377	1.00
64	23:47	1.00	1.155	1.00	20.00	20.00	1.049	1.049	1.00
65	24:22	1.00	0.883	1.00	20.00	20.00	1.473	1.473	1.00
66	26:14	1.00	0.950	1.00	20.00	20.00	0.765	0.765	1.00
67	27:33	1.00	0.998	1.00	20.00	20.00	1.201	1.201	1.00
68	27:32	1.00	0.997	1.00	40.00	40.00	0.263	0.263	1.00
69	27:40	1.00	1.002	1.00	20.00	20.00	1.109	1.109	1.00
70	27:51	1.00	1.009	1.00	20.00	20.00	1.149	1.149	1.00
71	29:26	1.00	0.941	1.00	20.00	20.00	2.315	2.315	1.00
72	30:19	1.00	0.969	1.00	20.00	20.00	1.264	1.264	1.00
73	30:22	1.00	0.971	1.00	20.00	20.00	1.300	1.300	1.00
74	31:07	1.00	0.995	1.00	20.00	20.00	1.139	1.139	1.00
75	34:37	1.00	1.106	1.00	20.00	20.00	1.083	1.083	1.00
76	34:41	1.00	1.109	1.00	20.00	20.00	0.832	0.832	1.00
77	34:37	1.00	1.106	1.00	20.00	20.00	1.083	1.083	1.00

Data: STDR095.TI
04/16/87 8:34:00
Sample: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01921

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	01922

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	742	9:16	1	1.000	A BB	19109.	40.000	UG/ML	1.00
2	136	983	12:17	2	1.000	A BB	72284.	40.000	UG/ML	1.00
3	164	1343	16:47	3	1.000	A BB	34828.	40.000	UG/ML	1.00
4	188	1648	20:36	4	1.000	A BV	48965.	40.000	UG/ML	1.00
5	240	2208	27:36	5	1.000	A BB	24791.	40.000	UG/ML	1.00
6	264	2502	31:16	6	1.000	A BB	15081.	40.000	UG/ML	1.00
7	82	849	10:37	2	0.864	A BB	44685.	50.000	UG/ML	1.25
8	172	1206	15:04	3	0.898	A BB	63568.	50.000	UG/ML	1.25
9	244	1987	24:50	5	0.900	A BB	35687.	50.000	UG/ML	1.25
10	99	688	8:36	1	0.927	A BB	101927.	100.000	UG/ML	2.51
11	112	540	6:45	1	0.728	A BB	86224.	100.000	UG/ML	2.51
12	330	1508	18:51	3	1.123	A BB	13908.	100.000	UG/ML	2.51
13	94	690	8:37	1	0.930	A BV	60227.	50.000	UG/ML	1.25
14	93	704	8:48	1	0.949	A BB	44647.	50.000	UG/ML	1.25
15	128	711	8:53	1	0.958	A BB	38512.	50.000	UG/ML	1.25
16	146	736	9:12	1	0.992	A BV	40152.	50.000	UG/ML	1.25
17	146	745	9:19	1	1.004	A VB	42280.	50.000	UG/ML	1.25
18	108	772	9:39	1	1.040	A BB	24549.	50.000	UG/ML	1.25
19	146	779	9:44	1	1.050	A BB	38333.	50.000	UG/ML	1.25
20	108	794	9:55	1	1.070	A BB	35163.	50.000	UG/ML	1.25
21	45	801	10:01	1	1.080	A BB	69892.	50.000	UG/ML	1.25
22	108	822	10:16	1	1.108	A BV	37212.	50.000	UG/ML	1.25
23	70	829	10:22	1	1.117	A BB	32815.	50.000	UG/ML	1.25
24	117	835	10:26	1	1.125	A BB	16428.	50.000	UG/ML	1.25
25	77	853	10:40	2	0.868	A BB	43274.	50.000	UG/ML	1.25
26	82	899	11:14	2	0.915	A BB	81707.	50.000	UG/ML	1.25
27	139	913	11:25	2	0.929	A BB	20435.	50.000	UG/ML	1.25
28	107	922	11:31	2	0.938	A BV	33361.	50.000	UG/ML	1.25
29	93	943	11:47	2	0.959	A BB	50602.	50.000	UG/ML	1.25
30	162	958	11:58	2	0.975	A BB	24810.	50.000	UG/ML	1.25
31	122	948	11:51	2	0.964	M XX	15597.	50.000	UG/ML	1.25
32	180	975	12:11	2	0.992	A BV	28298.	50.000	UG/ML	1.25
33	128	987	12:20	2	1.004	A BB	103350.	50.000	UG/ML	1.25
34	127	1002	12:31	2	1.019	A BB	40700.	50.000	UG/ML	1.25
35	225	1024	12:48	2	1.042	A BV	13670.	50.000	UG/ML	1.25
36	107	1100	13:45	2	1.119	M XX	29039.	50.000	UG/ML	1.25
37	142	1125	14:04	2	1.144	A BB	61360.	50.000	UG/ML	1.25
38	237	1172	14:39	3	0.873	A BB	14517.	50.000	UG/ML	1.25
39	196	1188	14:51	3	0.885	A BV	15910.	50.000	UG/ML	1.25
40	196	1195	14:56	3	0.890	A VB	15533.	50.000	UG/ML	1.25
41	162	1224	15:18	3	0.911	A BB	55781.	50.000	UG/ML	1.25
42	65	1253	15:40	3	0.933	A BV	21177.	50.000	UG/ML	1.25
43	163	1300	16:15	3	0.968	A BB	59333.	50.000	UG/ML	1.25
44	152	1311	16:23	3	0.976	A BB	87164.	50.000	UG/ML	1.25
45	165	1313	16:25	3	0.978	A BB	15509.	50.000	UG/ML	1.25
46	138	1339	16:44	3	0.997	A BV	13311.	50.000	UG/ML	1.25
47	153	1350	16:52	3	1.005	A BB	53427.	50.000	UG/ML	1.25
48	184	1359	16:59	3	1.012	A BB	5633.	50.000	UG/ML	1.25
49	168	1382	17:16	3	1.029	A BV	73134.	50.000	UG/ML	1.25
50	109	1373	17:10	3	1.022	M XX	5160.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:37	1.00	0.864	1.00	50.00	50.00	0.495	0.495	1.00
8	15:04	1.00	0.898	1.00	50.00	50.00	1.460	1.460	1.00
9	24:50	1.00	0.900	1.00	50.00	50.00	1.152	1.152	1.00
10	8:36	1.00	0.927	1.00	100.00	100.00	2.134	2.134	1.00
11	6:45	1.00	0.728	1.00	100.00	100.00	1.805	1.805	1.00
12	18:51	1.00	1.123	1.00	100.00	100.00	0.160	0.160	1.00
13	8:37	1.00	0.930	1.00	50.00	50.00	2.521	2.521	1.00
14	8:48	1.00	0.949	1.00	50.00	50.00	1.869	1.869	1.00
15	8:53	1.00	0.958	1.00	50.00	50.00	1.612	1.612	1.00
16	9:12	1.00	0.992	1.00	50.00	50.00	1.681	1.681	1.00
17	9:19	1.00	1.004	1.00	50.00	50.00	1.770	1.770	1.00
18	9:39	1.00	1.040	1.00	50.00	50.00	1.028	1.028	1.00
19	9:44	1.00	1.050	1.00	50.00	50.00	1.605	1.605	1.00
20	9:55	1.00	1.070	1.00	50.00	50.00	1.472	1.472	1.00
21	10:01	1.00	1.080	1.00	50.00	50.00	2.926	2.926	1.00
22	10:16	1.00	1.108	1.00	50.00	50.00	1.558	1.558	1.00
23	10:22	1.00	1.117	1.00	50.00	50.00	1.374	1.374	1.00
24	10:26	1.00	1.125	1.00	50.00	50.00	0.688	0.688	1.00
25	10:40	1.00	0.868	1.00	50.00	50.00	0.479	0.479	1.00
26	11:14	1.00	0.915	1.00	50.00	50.00	0.904	0.904	1.00
27	11:25	1.00	0.929	1.00	50.00	50.00	0.226	0.226	1.00
28	11:31	1.00	0.938	1.00	50.00	50.00	0.369	0.369	1.00
29	11:47	1.00	0.959	1.00	50.00	50.00	0.560	0.560	1.00
30	11:58	1.00	0.975	1.00	50.00	50.00	0.275	0.275	1.00
31	11:51	1.00	0.964	1.00	50.00	50.00	0.173	0.173	1.00
32	12:11	1.00	0.992	1.00	50.00	50.00	0.313	0.313	1.00
33	12:20	1.00	1.004	1.00	50.00	50.00	1.144	1.144	1.00
34	12:31	1.00	1.019	1.00	50.00	50.00	0.450	0.450	1.00
35	12:48	1.00	1.042	1.00	50.00	50.00	0.151	0.151	1.00
36	13:45	1.00	1.119	1.00	50.00	50.00	0.321	0.321	1.00
37	14:04	1.00	1.144	1.00	50.00	50.00	0.679	0.679	1.00
38	14:39	1.00	0.873	1.00	50.00	50.00	0.333	0.333	1.00
39	14:51	1.00	0.885	1.00	50.00	50.00	0.365	0.365	1.00
40	14:56	1.00	0.890	1.00	50.00	50.00	0.357	0.357	1.00
41	15:18	1.00	0.911	1.00	50.00	50.00	1.281	1.281	1.00
42	15:40	1.00	0.933	1.00	50.00	50.00	0.486	0.486	1.00
43	16:15	1.00	0.968	1.00	50.00	50.00	1.363	1.363	1.00
44	16:23	1.00	0.976	1.00	50.00	50.00	2.002	2.002	1.00
45	16:25	1.00	0.978	1.00	50.00	50.00	0.356	0.356	1.00
46	16:44	1.00	0.997	1.00	50.00	50.00	0.306	0.306	1.00
47	16:52	1.00	1.005	1.00	50.00	50.00	1.227	1.227	1.00
48	16:59	1.00	1.012	1.00	50.00	50.00	0.129	0.129	1.00
49	17:16	1.00	1.029	1.00	50.00	50.00	1.680	1.680	1.00
50	17:10	1.00	1.022	1.00	50.00	50.00	0.119	0.119	1.00

Quantitation Report 1 e:

Data: STDR095.TI
04/16/87 8:34:00
Sample: 50 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01924

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	1392	17:24	3	1.036	A BB	17530.	50.000 UG/ML	1.25
52	149	1447	18:05	3	1.077	M XX	56629.	50.000 UG/ML	1.25
53	166	1454	18:10	3	1.083	A BB	59699.	50.000 UG/ML	1.25
54	204	1455	18:11	3	1.083	A BB	23536.	50.000 UG/ML	1.25
55	138	1466	18:19	3	1.092	M XX	8342.	50.000 UG/ML	1.25
56	198	1476	18:27	4	0.896	A BB	8471.	50.000 UG/ML	1.25
57	169	1482	18:31	4	0.899	A BB	38573.	50.000 UG/ML	1.25
58	248	1556	19:27	4	0.944	A BB	14241.	50.000 UG/ML	1.25
59	284	1585	19:49	4	0.962	A BB	16094.	50.000 UG/ML	1.25
60	266	1622	20:16	4	0.984	A BB	8182.	50.000 UG/ML	1.25
61	178	1653	20:40	4	1.003	A BV	75470.	50.000 UG/ML	1.25
62	178	1662	20:46	4	1.008	A VB	76377.	50.000 UG/ML	1.25
63	149	1785	22:19	4	1.083	A BB	90113.	50.000 UG/ML	1.25
64	202	1903	23:47	4	1.155	A BB	59992.	50.000 UG/ML	1.25
65	202	1950	24:22	5	0.883	A BB	58226.	50.000 UG/ML	1.25
66	149	2099	26:14	5	0.951	A BV	26590.	50.000 UG/ML	1.25

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2204	27:33	5	0.998	A BV	38135.	50.000	UG/ML	1.25
68	252	2202	27:31	5	0.997	A BB	11492.	100.000	UG/ML	2.51
69	228	2214	27:40	5	1.003	A VB	35035.	50.000	UG/ML	1.25
70	149	2227	27:50	5	1.009	A BV	38159.	50.000	UG/ML	1.25
71	149	2355	29:26	6	0.941	A BB	53704.	50.000	UG/ML	1.25
72	252	2425	30:19	6	0.969	M XX	27581.	50.000	UG/ML	1.25
73	252	2430	30:22	6	0.971	M XX	29941.	50.000	UG/ML	1.25
74	252	2490	31:07	6	0.995	A BB	22365.	50.000	UG/ML	1.25
75	276	2769	34:37	6	1.107	M XX	19712.	50.000	UG/ML	1.25
76	278	2775	34:41	6	1.109	M XX	15109.	50.000	UG/ML	1.25
77	276	2769	34:37	6	1.107	M XX	19497.	50.000	UG/ML	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:24	1.00	1.036	1.00	50.00	50.00	0.403	0.403	1.00
52	18:05	1.00	1.077	1.00	50.00	50.00	1.301	1.301	1.00
53	18:10	1.00	1.083	1.00	50.00	50.00	1.371	1.371	1.00
54	18:11	1.00	1.083	1.00	50.00	50.00	0.541	0.541	1.00
55	18:19	1.00	1.092	1.00	50.00	50.00	0.192	0.192	1.00
56	18:27	1.00	0.896	1.00	50.00	50.00	0.138	0.138	1.00
57	18:31	1.00	0.899	1.00	50.00	50.00	0.630	0.630	1.00
58	19:27	1.00	0.944	1.00	50.00	50.00	0.233	0.233	1.00
59	19:49	1.00	0.962	1.00	50.00	50.00	0.263	0.263	1.00
60	20:16	1.00	0.984	1.00	50.00	50.00	0.134	0.134	1.00
61	20:40	1.00	1.003	1.00	50.00	50.00	1.233	1.233	1.00
62	20:46	1.00	1.008	1.00	50.00	50.00	1.248	1.248	1.00
63	22:19	1.00	1.083	1.00	50.00	50.00	1.472	1.472	1.00
64	23:47	1.00	1.155	1.00	50.00	50.00	0.980	0.980	1.00
65	24:22	1.00	0.883	1.00	50.00	50.00	1.879	1.879	1.00
66	26:14	1.00	0.951	1.00	50.00	50.00	0.858	0.858	1.00
67	27:33	1.00	0.998	1.00	50.00	50.00	1.231	1.231	1.00
68	27:31	1.00	0.997	1.00	100.00	100.00	0.185	0.185	1.00
69	27:40	1.00	1.003	1.00	50.00	50.00	1.131	1.131	1.00
70	27:50	1.00	1.009	1.00	50.00	50.00	1.231	1.231	1.00
71	29:26	1.00	0.941	1.00	50.00	50.00	2.849	2.849	1.00
72	30:19	1.00	0.969	1.00	50.00	50.00	1.463	1.463	1.00
73	30:22	1.00	0.971	1.00	50.00	50.00	1.588	1.588	1.00
74	31:07	1.00	0.995	1.00	50.00	50.00	1.186	1.186	1.00
75	34:37	1.00	1.107	1.00	50.00	50.00	1.046	1.046	1.00
76	34:41	1.00	1.109	1.00	50.00	50.00	0.801	0.801	1.00
77	34:37	1.00	1.107	1.00	50.00	50.00	1.034	1.034	1.00

01925

Quantitation Report 1 e:

Data: STDR097.TI
04/16/87 10:14:00
Sample: 80 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01926

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	745	9:19	1	1.000	A BV	22808.	40.000	UG/ML	0.64
2	136	986	12:19	2	1.000	A BB	81306.	40.000	UG/ML	0.64
3	164	1345	16:49	3	1.000	A BB	37287.	40.000	UG/ML	0.64
4	188	1650	20:37	4	1.000	A BV	48671.	40.000	UG/ML	0.64
5	240	2210	27:37	5	1.000	A BB	24643.	40.000	UG/ML	0.64
6	264	2504	31:18	6	1.000	A BB	16230.	40.000	UG/ML	0.64
7	82	853	10:40	2	0.865	A BB	79146.	80.000	UG/ML	1.28
8	172	1208	15:06	3	0.898	A BV	109068.	80.000	UG/ML	1.28
9	244	1988	24:51	5	0.900	A BB	56613.	80.000	UG/ML	1.28
10	99	693	8:40	1	0.930	A BB	185947.	160.000	UG/ML	2.56
11	112	544	6:48	1	0.730	A BB	157495.	160.000	UG/ML	2.56
12	330	1510	18:52	3	1.123	A BB	22161.	160.000	UG/ML	2.56
13	94	695	8:41	1	0.933	A BB	109187.	80.000	UG/ML	1.28
14	93	708	8:51	1	0.950	A VV	83670.	80.000	UG/ML	1.28
15	128	715	8:56	1	0.960	A BV	69625.	80.000	UG/ML	1.28
16	146	739	9:14	1	0.992	A BV	74721.	80.000	UG/ML	1.28
17	146	748	9:21	1	1.004	A VB	77985.	80.000	UG/ML	1.28
18	108	776	9:42	1	1.042	A BB	44002.	80.000	UG/ML	1.28
19	146	782	9:46	1	1.050	A BB	70983.	80.000	UG/ML	1.28
20	108	798	9:58	1	1.071	A BV	63457.	80.000	UG/ML	1.28
21	45	804	10:03	1	1.079	A BB	127806.	80.000	UG/ML	1.28
22	108	826	10:19	1	1.109	A BB	66198.	80.000	UG/ML	1.28
23	70	834	10:25	1	1.119	A BB	59046.	80.000	UG/ML	1.28
24	117	837	10:28	1	1.123	A BB	30129.	80.000	UG/ML	1.28
25	77	856	10:42	2	0.868	A BV	78319.	80.000	UG/ML	1.28
26	82	903	11:17	2	0.916	A BV	144228.	80.000	UG/ML	1.28
27	139	916	11:27	2	0.929	A BB	36940.	80.000	UG/ML	1.28
28	107	926	11:34	2	0.939	A BB	58747.	80.000	UG/ML	1.28
29	93	946	11:49	2	0.959	A BB	90332.	80.000	UG/ML	1.28
30	162	961	12:01	2	0.975	A BB	43806.	80.000	UG/ML	1.28
31	122	956	11:57	2	0.970	A BB	21192.	80.000	UG/ML	1.28
32	180	978	12:13	2	0.992	A BB	50050.	80.000	UG/ML	1.28
33	128	990	12:22	2	1.004	A BV	184829.	80.000	UG/ML	1.28
34	127	1005	12:34	2	1.019	A BB	71899.	80.000	UG/ML	1.28
35	225	1026	12:49	2	1.041	A BV	23904.	80.000	UG/ML	1.28
36	107	1102	13:46	2	1.118	A BB	49203.	80.000	UG/ML	1.28
37	142	1128	14:06	2	1.144	A BB	107635.	80.000	UG/ML	1.28
38	237	1174	14:40	3	0.873	A BB	25683.	80.000	UG/ML	1.28
39	196	1191	14:53	3	0.886	A BV	27271.	80.000	UG/ML	1.28
40	196	1198	14:58	3	0.891	A VB	24011.	80.000	UG/ML	1.28
41	162	1227	15:20	3	0.912	A BV	97107.	80.000	UG/ML	1.28
42	65	1256	15:42	3	0.934	A BB	34841.	80.000	UG/ML	1.28
43	163	1303	16:17	3	0.969	A BB	98120.	80.000	UG/ML	1.28
44	152	1313	16:25	3	0.976	A BB	147535.	80.000	UG/ML	1.28
45	165	1316	16:27	3	0.978	A BB	24683.	80.000	UG/ML	1.28
46	138	1342	16:46	3	0.998	A BB	25549.	80.000	UG/ML	1.28
47	153	1353	16:55	3	1.006	A BB	90233.	80.000	UG/ML	1.28
48	184	1362	17:01	3	1.013	A BB	11352.	80.000	UG/ML	1.28
49	168	1385	17:19	3	1.030	A BB	122268.	80.000	UG/ML	1.28
50	109	1377	17:13	3	1.024	A BV	8596.	80.000	UG/ML	1.28

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:40	1.00	0.865	1.00	80.00	80.00	0.487	0.487	1.00
8	15:06	1.00	0.898	1.00	80.00	80.00	1.463	1.463	1.00
9	24:51	1.00	0.900	1.00	80.00	80.00	1.149	1.149	1.00
10	8:40	1.00	0.930	1.00	160.00	160.00	2.038	2.038	1.00
11	6:48	1.00	0.730	1.00	160.00	160.00	1.726	1.726	1.00
12	18:52	1.00	1.123	1.00	160.00	160.00	0.149	0.149	1.00
13	8:41	1.00	0.933	1.00	80.00	80.00	2.394	2.394	1.00
14	8:51	1.00	0.950	1.00	80.00	80.00	1.834	1.834	1.00
15	8:56	1.00	0.960	1.00	80.00	80.00	1.526	1.526	1.00
16	9:14	1.00	0.992	1.00	80.00	80.00	1.638	1.638	1.00
17	9:21	1.00	1.004	1.00	80.00	80.00	1.710	1.710	1.00
18	9:42	1.00	1.042	1.00	80.00	80.00	0.965	0.965	1.00
19	9:46	1.00	1.050	1.00	80.00	80.00	1.556	1.556	1.00
20	9:58	1.00	1.071	1.00	80.00	80.00	1.391	1.391	1.00
21	10:03	1.00	1.079	1.00	80.00	80.00	2.802	2.802	1.00
22	10:19	1.00	1.109	1.00	80.00	80.00	1.451	1.451	1.00
23	10:25	1.00	1.119	1.00	80.00	80.00	1.294	1.294	1.00
24	10:28	1.00	1.123	1.00	80.00	80.00	0.660	0.660	1.00
25	10:42	1.00	0.868	1.00	80.00	80.00	0.482	0.482	1.00
26	11:17	1.00	0.916	1.00	80.00	80.00	0.887	0.887	1.00
27	11:27	1.00	0.929	1.00	80.00	80.00	0.227	0.227	1.00
28	11:34	1.00	0.939	1.00	80.00	80.00	0.361	0.361	1.00
29	11:49	1.00	0.959	1.00	80.00	80.00	0.556	0.556	1.00
30	12:01	1.00	0.975	1.00	80.00	80.00	0.269	0.269	1.00
31	11:57	1.00	0.970	1.00	80.00	80.00	0.130	0.130	1.00
32	12:13	1.00	0.992	1.00	80.00	80.00	0.308	0.308	1.00
33	12:22	1.00	1.004	1.00	80.00	80.00	1.137	1.137	1.00
34	12:34	1.00	1.019	1.00	80.00	80.00	0.442	0.442	1.00
35	12:49	1.00	1.041	1.00	80.00	80.00	0.147	0.147	1.00
36	13:46	1.00	1.118	1.00	80.00	80.00	0.303	0.303	1.00
37	14:06	1.00	1.144	1.00	80.00	80.00	0.662	0.662	1.00
38	14:40	1.00	0.873	1.00	80.00	80.00	0.344	0.344	1.00
39	14:53	1.00	0.886	1.00	80.00	80.00	0.366	0.366	1.00
40	14:58	1.00	0.891	1.00	80.00	80.00	0.322	0.322	1.00
41	15:20	1.00	0.912	1.00	80.00	80.00	1.302	1.302	1.00
42	15:42	1.00	0.934	1.00	80.00	80.00	0.467	0.467	1.00
43	16:17	1.00	0.969	1.00	80.00	80.00	1.316	1.316	1.00
44	16:25	1.00	0.976	1.00	80.00	80.00	1.978	1.978	1.00
45	16:27	1.00	0.978	1.00	80.00	80.00	0.331	0.331	1.00
46	16:46	1.00	0.998	1.00	80.00	80.00	0.343	0.343	1.00
47	16:55	1.00	1.006	1.00	80.00	80.00	1.210	1.210	1.00
48	17:01	1.00	1.013	1.00	80.00	80.00	0.152	0.152	1.00
49	17:19	1.00	1.030	1.00	80.00	80.00	1.640	1.640	1.00
50	17:13	1.00	1.024	1.00	80.00	80.00	0.115	0.115	1.00

Data: STDR097.TI
04/16/87 10:14:00
Sample: 80 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula:
Submitted by: RMAL

Instrument: 4500
Analyst: CR

Weight: 0.000
Acct. No.:

01929

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	1395	17:26	3	1.037	A BB	28072.	80.000	UG/ML	1.28
52	149	1450	18:07	3	1.078	A BB	91535.	80.000	UG/ML	1.28
53	166	1456	18:12	3	1.083	A BB	97090.	80.000	UG/ML	1.28
54	204	1457	18:13	3	1.083	A BB	38488.	80.000	UG/ML	1.28
55	138	1471	18:23	3	1.094	A VB	19122.	80.000	UG/ML	1.28
56	198	1480	18:30	4	0.897	A VB	12494.	80.000	UG/ML	1.28
57	169	1485	18:34	4	0.900	A BB	63127.	80.000	UG/ML	1.28
58	248	1558	19:28	4	0.944	A BV	23451.	80.000	UG/ML	1.28
59	284	1587	19:50	4	0.962	A BB	26338.	80.000	UG/ML	1.28
60	266	1624	20:18	4	0.984	A BB	14310.	80.000	UG/ML	1.28
61	178	1655	20:41	4	1.003	A BV	118463.	80.000	UG/ML	1.28
62	178	1665	20:49	4	1.009	A VB	119243.	80.000	UG/ML	1.28
63	149	1787	22:20	4	1.083	A BB	139255.	80.000	UG/ML	1.28
64	202	1905	23:49	4	1.155	A BB	93215.	80.000	UG/ML	1.28
65	202	1952	24:24	5	0.883	A VB	90691.	80.000	UG/ML	1.28
66	149	2101	26:16	5	0.951	A BV	41486.	80.000	UG/ML	1.28

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2206	27:34	5	0.998	A BV	61687.	80.000	UG/ML	1.28
68	252	2209	27:34	5	0.998	A BB	28951.	160.000	UG/ML	2.56
69	228	2216	27:42	5	1.003	A VB	55463.	80.000	UG/ML	1.28
70	149	2229	27:52	5	1.009	A BB	59306.	80.000	UG/ML	1.28
71	149	2357	29:28	6	0.941	A BB	85331.	80.000	UG/ML	1.28
72	252	2427	30:20	6	0.969	A BV	49370.	80.000	UG/ML	1.28
73	252	2433	30:25	6	0.972	A VB	41057.	80.000	UG/ML	1.28
74	252	2493	31:10	6	0.996	A BB	38643.	80.000	UG/ML	1.28
75	276	2774	34:40	6	1.108	A BB	33174.	80.000	UG/ML	1.28
76	278	2781	34:46	6	1.111	A BB	26866.	80.000	UG/ML	1.28
77	276	2774	34:40	6	1.108	A BB	33174.	80.000	UG/ML	1.28

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	17:26	1.00	1.037	1.00	80.00	80.00	0.376	0.376	1.00
52	18:07	1.00	1.078	1.00	80.00	80.00	1.227	1.227	1.00
53	18:12	1.00	1.083	1.00	80.00	80.00	1.302	1.302	1.00
54	18:13	1.00	1.083	1.00	80.00	80.00	0.316	0.316	1.00
55	18:23	1.00	1.094	1.00	80.00	80.00	0.256	0.256	1.00
56	18:30	1.00	0.897	1.00	80.00	80.00	0.128	0.128	1.00
57	18:34	1.00	0.900	1.00	80.00	80.00	0.649	0.649	1.00
58	19:28	1.00	0.944	1.00	80.00	80.00	0.241	0.241	1.00
59	19:50	1.00	0.962	1.00	80.00	80.00	0.271	0.271	1.00
60	20:18	1.00	0.984	1.00	80.00	80.00	0.147	0.147	1.00
61	20:41	1.00	1.003	1.00	80.00	80.00	1.217	1.217	1.00
62	20:49	1.00	1.009	1.00	80.00	80.00	1.225	1.225	1.00
63	22:20	1.00	1.083	1.00	80.00	80.00	1.431	1.431	1.00
64	23:49	1.00	1.155	1.00	80.00	80.00	0.958	0.958	1.00
65	24:24	1.00	0.883	1.00	80.00	80.00	1.840	1.840	1.00
66	26:16	1.00	0.951	1.00	80.00	80.00	0.842	0.842	1.00
67	27:34	1.00	0.998	1.00	80.00	80.00	1.252	1.252	1.00
68	27:34	1.00	0.998	1.00	160.00	160.00	0.294	0.294	1.00
69	27:42	1.00	1.003	1.00	80.00	80.00	1.125	1.125	1.00
70	27:52	1.00	1.009	1.00	80.00	80.00	1.203	1.203	1.00
71	29:28	1.00	0.941	1.00	80.00	80.00	2.629	2.629	1.00
72	30:20	1.00	0.969	1.00	80.00	80.00	1.521	1.521	1.00
73	30:25	1.00	0.972	1.00	80.00	80.00	1.265	1.265	1.00
74	31:10	1.00	0.996	1.00	80.00	80.00	1.190	1.190	1.00
75	34:40	1.00	1.108	1.00	80.00	80.00	1.022	1.022	1.00
76	34:46	1.00	1.111	1.00	80.00	80.00	0.828	0.828	1.00
77	34:40	1.00	1.108	1.00	80.00	80.00	1.022	1.022	1.00

Data: STDR098.TI
04/16/87 11:03:00
Sample: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula:
Submitted by: RMAL

Instrument: 4500
Analyst: CR

Weight: 0.000
Acct. No.:

01931

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	01932

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	746	9:19	1	1.000	A BB	23155.	40.000	UG/ML	0.43
2	136	986	12:19	2	1.000	A VB	81545.	40.000	UG/ML	0.43
3	164	1346	16:49	3	1.000	A BB	37037.	40.000	UG/ML	0.43
4	188	1650	20:37	4	1.000	A BV	48700.	40.000	UG/ML	0.43
5	240	2211	27:38	5	1.000	A BB	23317.	40.000	UG/ML	0.43
6	264	2504	31:18	6	1.000	A BB	15201.	40.000	UG/ML	0.43
7	82	954	10:40	2	0.866	A BB	120643.	120.000	UG/ML	1.30
8	172	1209	15:07	3	0.898	A BB	158967.	120.000	UG/ML	1.30
9	244	1989	24:52	5	0.900	A BB	85032.	120.000	UG/ML	1.30
10	99	695	8:41	1	0.932	A BB	282409.	240.000	UG/ML	2.60
11	112	545	6:49	1	0.731	A BB	244524.	240.000	UG/ML	2.60
12	330	1511	18:53	3	1.123	A BB	32999.	240.000	UG/ML	2.60
13	94	697	8:43	1	0.934	A BV	164020.	120.000	UG/ML	1.30
14	93	710	8:52	1	0.952	A VB	124915.	120.000	UG/ML	1.30
15	128	716	8:57	1	0.960	A BB	107566.	120.000	UG/ML	1.30
16	146	740	9:15	1	0.992	A BV	113797.	120.000	UG/ML	1.30
17	146	749	9:22	1	1.004	A VB	118874.	120.000	UG/ML	1.30
18	108	778	9:43	1	1.043	A BB	68874.	120.000	UG/ML	1.30
19	146	782	9:46	1	1.048	A BB	108187.	120.000	UG/ML	1.30
20	108	799	9:59	1	1.071	A BB	96426.	120.000	UG/ML	1.30
21	45	805	10:04	1	1.079	A BB	192613.	120.000	UG/ML	1.30
22	108	828	10:21	1	1.110	A BB	98783.	120.000	UG/ML	1.30
23	70	837	10:28	1	1.122	A BB	89227.	120.000	UG/ML	1.30
24	117	838	10:28	1	1.123	A BV	45793.	120.000	UG/ML	1.30
25	77	858	10:43	2	0.870	A BB	116985.	120.000	UG/ML	1.30
26	82	906	11:19	2	0.919	M XX	215489.	120.000	UG/ML	1.30
27	139	917	11:28	2	0.930	A BB	54472.	120.000	UG/ML	1.30
28	107	927	11:35	2	0.940	A BB	88378.	120.000	UG/ML	1.30
29	93	947	11:50	2	0.960	A BB	133502.	120.000	UG/ML	1.30
30	162	962	12:01	2	0.976	A BB	65965.	120.000	UG/ML	1.30
31	122	961	12:01	2	0.975	M XX	42264.	120.000	UG/ML	1.30
32	180	979	12:14	2	0.993	A BB	74872.	120.000	UG/ML	1.30
33	128	991	12:23	2	1.005	A BB	273826.	120.000	UG/ML	1.30
34	127	1006	12:34	2	1.020	A BB	108343.	120.000	UG/ML	1.30
35	225	1027	12:50	2	1.042	A BB	35556.	120.000	UG/ML	1.30
36	107	1103	13:47	2	1.119	A BB	73290.	120.000	UG/ML	1.30
37	142	1129	14:07	2	1.145	A BB	158958.	120.000	UG/ML	1.30
38	237	1175	14:41	3	0.873	A BB	38244.	120.000	UG/ML	1.30
39	196	1192	14:54	3	0.886	A BV	43217.	120.000	UG/ML	1.30
40	196	1199	14:59	3	0.891	A VB	33850.	120.000	UG/ML	1.30
41	162	1227	15:20	3	0.912	A BB	142392.	120.000	UG/ML	1.30
42	65	1257	15:43	3	0.934	A BB	50797.	120.000	UG/ML	1.30
43	163	1304	16:18	3	0.969	A BB	140495.	120.000	UG/ML	1.30
44	152	1314	16:25	3	0.976	A BB	215001.	120.000	UG/ML	1.30
45	165	1317	16:28	3	0.978	A VB	35930.	120.000	UG/ML	1.30
46	138	1344	16:48	3	0.999	A BB	37710.	120.000	UG/ML	1.30
47	153	1353	16:55	3	1.005	A BB	132025.	120.000	UG/ML	1.30
48	184	1363	17:02	3	1.013	A BB	18621.	120.000	UG/ML	1.30
49	168	1386	17:19	3	1.030	A BB	178617.	120.000	UG/ML	1.30
50	109	1378	17:13	3	1.024	A BV	12688.	120.000	UG/ML	1.30

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:40	1.00	0.866	1.00	120.00	120.00	0.493	0.493	1.00
8	15:07	1.00	0.898	1.00	120.00	120.00	1.431	1.431	1.00
9	24:52	1.00	0.900	1.00	120.00	120.00	1.216	1.216	1.00
10	8:41	1.00	0.932	1.00	240.00	240.00	2.033	2.033	1.00
11	6:49	1.00	0.731	1.00	240.00	240.00	1.760	1.760	1.00
12	18:53	1.00	1.123	1.00	240.00	240.00	0.148	0.148	1.00
13	8:43	1.00	0.934	1.00	120.00	120.00	2.361	2.361	1.00
14	8:52	1.00	0.952	1.00	120.00	120.00	1.798	1.798	1.00
15	8:57	1.00	0.960	1.00	120.00	120.00	1.548	1.548	1.00
16	9:15	1.00	0.992	1.00	120.00	120.00	1.638	1.638	1.00
17	9:22	1.00	1.004	1.00	120.00	120.00	1.711	1.711	1.00
18	9:43	1.00	1.043	1.00	120.00	120.00	0.991	0.991	1.00
19	9:46	1.00	1.048	1.00	120.00	120.00	1.557	1.557	1.00
20	9:59	1.00	1.071	1.00	120.00	120.00	1.388	1.388	1.00
21	10:04	1.00	1.079	1.00	120.00	120.00	2.773	2.773	1.00
22	10:21	1.00	1.110	1.00	120.00	120.00	1.422	1.422	1.00
23	10:28	1.00	1.122	1.00	120.00	120.00	1.284	1.284	1.00
24	10:28	1.00	1.123	1.00	120.00	120.00	0.659	0.659	1.00
25	10:43	1.00	0.870	1.00	120.00	120.00	0.478	0.478	1.00
26	11:19	1.00	0.919	1.00	120.00	120.00	0.881	0.881	1.00
27	11:28	1.00	0.930	1.00	120.00	120.00	0.223	0.223	1.00
28	11:35	1.00	0.940	1.00	120.00	120.00	0.361	0.361	1.00
29	11:50	1.00	0.960	1.00	120.00	120.00	0.546	0.546	1.00
30	12:01	1.00	0.976	1.00	120.00	120.00	0.270	0.270	1.00
31	12:01	1.00	0.975	1.00	120.00	120.00	0.173	0.173	1.00
32	12:14	1.00	0.993	1.00	120.00	120.00	0.306	0.306	1.00
33	12:23	1.00	1.005	1.00	120.00	120.00	1.119	1.119	1.00
34	12:34	1.00	1.020	1.00	120.00	120.00	0.443	0.443	1.00
35	12:50	1.00	1.042	1.00	120.00	120.00	0.145	0.145	1.00
36	13:47	1.00	1.119	1.00	120.00	120.00	0.300	0.300	1.00
37	14:07	1.00	1.145	1.00	120.00	120.00	0.650	0.650	1.00
38	14:41	1.00	0.873	1.00	120.00	120.00	0.344	0.344	1.00
39	14:54	1.00	0.886	1.00	120.00	120.00	0.389	0.389	1.00
40	14:59	1.00	0.891	1.00	120.00	120.00	0.305	0.305	1.00
41	15:20	1.00	0.912	1.00	120.00	120.00	1.282	1.282	1.00
42	15:43	1.00	0.934	1.00	120.00	120.00	0.457	0.457	1.00
43	16:18	1.00	0.969	1.00	120.00	120.00	1.264	1.264	1.00
44	16:25	1.00	0.976	1.00	120.00	120.00	1.935	1.935	1.00
45	16:28	1.00	0.978	1.00	120.00	120.00	0.323	0.323	1.00
46	16:48	1.00	0.999	1.00	120.00	120.00	0.339	0.339	1.00
47	16:55	1.00	1.005	1.00	120.00	120.00	1.188	1.188	1.00
48	17:02	1.00	1.013	1.00	120.00	120.00	0.168	0.168	1.00
49	17:19	1.00	1.030	1.00	120.00	120.00	1.608	1.608	1.00
50	17:13	1.00	1.024	1.00	120.00	120.00	0.114	0.114	1.00

01933

Quantitation Report le: S 0

Data: STDR098.TI
04/16/87 11:03:00
Sample: 120 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01934

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	1396	17:27	3	1.037	A BB	40892.	120.000 UG/ML	1.30
52	149	1451	18:08	3	1.078	A VB	132312.	120.000 UG/ML	1.30
53	166	1458	18:13	3	1.083	A BB	141556.	120.000 UG/ML	1.30
54	204	1459	18:14	3	1.084	A BB	55505.	120.000 UG/ML	1.30
55	138	1474	18:25	3	1.095	M XX	37255.	120.000 UG/ML	1.30
56	198	1482	18:31	4	0.898	A VB	17117.	120.000 UG/ML	1.30
57	169	1487	18:35	4	0.901	A BB	91651.	120.000 UG/ML	1.30
58	248	1559	19:29	4	0.945	A BB	34468.	120.000 UG/ML	1.30
59	284	1588	19:51	4	0.962	A BB	37761.	120.000 UG/ML	1.30
60	266	1625	20:19	4	0.985	A BB	21093.	120.000 UG/ML	1.30
61	178	1656	20:42	4	1.004	A BV	173200.	120.000 UG/ML	1.30
62	178	1666	20:49	4	1.010	A VB	172707.	120.000 UG/ML	1.30
63	149	1788	22:21	4	1.084	A VB	210758.	120.000 UG/ML	1.30
64	202	1906	23:49	4	1.155	A BB	140255.	120.000 UG/ML	1.30
65	202	1953	24:25	5	0.883	A BB	133738.	120.000 UG/ML	1.30
66	149	2101	26:16	5	0.950	A VB	62016.	120.000 UG/ML	1.30

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2207	27:35	5	0.998	A BV	87132.	120.000	UG/ML	1.30
68	252	2206	27:34	5	0.998	A BB	48120.	240.000	UG/ML	2.60
69	228	2217	27:43	5	1.003	A VB	77076.	120.000	UG/ML	1.30
70	149	2230	27:52	5	1.009	A BB	92914.	120.000	UG/ML	1.30
71	149	2358	29:28	6	0.942	A BB	126762.	120.000	UG/ML	1.30
72	252	2429	30:22	6	0.970	A BV	73211.	120.000	UG/ML	1.30
73	252	2434	30:25	6	0.972	M XX	69218.	120.000	UG/ML	1.30
74	252	2494	31:10	6	0.996	A BB	55920.	120.000	UG/ML	1.30
75	276	2776	34:42	6	1.109	A BB	48712.	120.000	UG/ML	1.30
76	278	2784	34:48	6	1.112	A BB	40723.	120.000	UG/ML	1.30
77	276	2776	34:42	6	1.109	A BB	48712.	120.000	UG/ML	1.30

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:27	1.00	1.037	1.00	120.00	120.00	0.368	0.368	1.00
52	18:08	1.00	1.078	1.00	120.00	120.00	1.191	1.191	1.00
53	18:13	1.00	1.083	1.00	120.00	120.00	1.274	1.274	1.00
54	18:14	1.00	1.084	1.00	120.00	120.00	0.500	0.500	1.00
55	18:25	1.00	1.095	1.00	120.00	120.00	0.335	0.335	1.00
56	18:31	1.00	0.898	1.00	120.00	120.00	0.117	0.117	1.00
57	18:35	1.00	0.901	1.00	120.00	120.00	0.627	0.627	1.00
58	19:29	1.00	0.945	1.00	120.00	120.00	0.236	0.236	1.00
59	19:51	1.00	0.962	1.00	120.00	120.00	0.258	0.258	1.00
60	20:19	1.00	0.985	1.00	120.00	120.00	0.144	0.144	1.00
61	20:42	1.00	1.004	1.00	120.00	120.00	1.185	1.185	1.00
62	20:49	1.00	1.010	1.00	120.00	120.00	1.182	1.182	1.00
63	22:21	1.00	1.084	1.00	120.00	120.00	1.443	1.443	1.00
64	23:49	1.00	1.155	1.00	120.00	120.00	0.960	0.960	1.00
65	24:25	1.00	0.883	1.00	120.00	120.00	1.912	1.912	1.00
66	26:16	1.00	0.950	1.00	120.00	120.00	0.887	0.887	1.00
67	27:35	1.00	0.998	1.00	120.00	120.00	1.246	1.246	1.00
68	27:34	1.00	0.998	1.00	240.00	240.00	0.344	0.344	1.00
69	27:43	1.00	1.003	1.00	120.00	120.00	1.102	1.102	1.00
70	27:52	1.00	1.009	1.00	120.00	120.00	1.328	1.328	1.00
71	29:28	1.00	0.942	1.00	120.00	120.00	2.780	2.780	1.00
72	30:22	1.00	0.970	1.00	120.00	120.00	1.605	1.605	1.00
73	30:25	1.00	0.972	1.00	120.00	120.00	1.518	1.518	1.00
74	31:10	1.00	0.996	1.00	120.00	120.00	1.226	1.226	1.00
75	34:42	1.00	1.109	1.00	120.00	120.00	1.068	1.068	1.00
76	34:48	1.00	1.112	1.00	120.00	120.00	0.893	0.893	1.00
77	34:42	1.00	1.109	1.00	120.00	120.00	1.068	1.068	1.00

Data: STDR099.TI
04/16/87 11:51:00
Sample: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR 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	

01937

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	746	9:19	1	1.000	A BB	22317.	40.000	UG/ML	0.33
2	136	987	12:20	2	1.000	A BB	79032.	40.000	UG/ML	0.33
3	164	1346	16:49	3	1.000	A BB	34681.	40.000	UG/ML	0.33
4	188	1651	20:38	4	1.000	A BB	42010.	40.000	UG/ML	0.33
5	240	2212	27:39	5	1.000	A BB	31548.	40.000	UG/ML	0.33
6	264	2507	31:20	6	1.000	A BB	26330.	40.000	UG/ML	0.33
7	82	856	10:42	2	0.867	A BB	156688.	160.000	UG/ML	1.31
8	172	1210	15:07	3	0.899	A BB	204776.	160.000	UG/ML	1.31
9	244	1990	24:52	5	0.900	A BB	117782.	160.000	UG/ML	1.31
10	99	697	8:43	1	0.934	A BB	364793.	320.000	UG/ML	2.61
11	112	546	6:49	1	0.732	A BB	317761.	320.000	UG/ML	2.61
12	330	1512	18:54	3	1.123	A BB	40338.	320.000	UG/ML	2.61
13	94	699	8:44	1	0.937	A BV	217416.	160.000	UG/ML	1.31
14	93	712	8:54	1	0.954	A VB	159083.	160.000	UG/ML	1.31
15	128	718	8:58	1	0.962	A BB	141015.	160.000	UG/ML	1.31
16	146	741	9:16	1	0.993	A BV	146337.	160.000	UG/ML	1.31
17	146	750	9:22	1	1.005	A VB	153039.	160.000	UG/ML	1.31
18	108	781	9:46	1	1.047	A BB	88995.	160.000	UG/ML	1.31
19	146	783	9:47	1	1.050	A BB	142856.	160.000	UG/ML	1.31
20	108	801	10:01	1	1.074	A BB	124187.	160.000	UG/ML	1.31
21	45	806	10:04	1	1.080	A BB	255213.	160.000	UG/ML	1.31
22	108	830	10:22	1	1.113	A BB	129262.	160.000	UG/ML	1.31
23	70	839	10:29	1	1.125	A BB	115945.	160.000	UG/ML	1.31
24	117	838	10:28	1	1.123	A BB	59940.	160.000	UG/ML	1.31
25	77	860	10:45	2	0.871	A BB	154747.	160.000	UG/ML	1.31
26	82	909	11:22	2	0.921	M XX	283188.	160.000	UG/ML	1.31
27	139	918	11:28	2	0.930	A BB	74928.	160.000	UG/ML	1.31
28	107	929	11:37	2	0.941	A BB	115800.	160.000	UG/ML	1.31
29	93	948	11:51	2	0.960	A BB	173710.	160.000	UG/ML	1.31
30	162	964	12:03	2	0.977	A BB	85495.	160.000	UG/ML	1.31
31	122	966	12:04	2	0.979	M XX	50848.	160.000	UG/ML	1.31
32	180	980	12:15	2	0.993	A BB	97310.	160.000	UG/ML	1.31
33	128	992	12:24	2	1.005	A BV	336153.	160.000	UG/ML	1.31
34	127	1007	12:35	2	1.020	A BB	143561.	160.000	UG/ML	1.31
35	225	1027	12:50	2	1.041	A BB	46301.	160.000	UG/ML	1.31
36	107	1104	13:48	2	1.119	A BB	96119.	160.000	UG/ML	1.31
37	142	1130	14:07	2	1.145	A BB	206257.	160.000	UG/ML	1.31
38	237	1175	14:41	3	0.873	A BB	49639.	160.000	UG/ML	1.31
39	196	1193	14:55	3	0.886	A BV	59735.	160.000	UG/ML	1.31
40	196	1199	14:59	3	0.891	A VB	40665.	160.000	UG/ML	1.31
41	162	1228	15:21	3	0.912	A BB	182266.	160.000	UG/ML	1.31
42	65	1258	15:43	3	0.935	A BB	63552.	160.000	UG/ML	1.31
43	163	1306	16:19	3	0.970	A BB	176348.	160.000	UG/ML	1.31
44	152	1315	16:26	3	0.977	A BB	274325.	160.000	UG/ML	1.31
45	165	1318	16:28	3	0.979	A VB	44190.	160.000	UG/ML	1.31
46	138	1345	16:49	3	0.999	A BB	45959.	160.000	UG/ML	1.31
47	153	1354	16:55	3	1.006	A BB	168186.	160.000	UG/ML	1.31
48	184	1365	17:04	3	1.014	A BB	21699.	160.000	UG/ML	1.31
49	168	1387	17:20	3	1.030	A BB	226144.	160.000	UG/ML	1.31
50	109	1379	17:14	3	1.025	A VV	14739.	160.000	UG/ML	1.31

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	10:42	1.00	0.867	1.00	160.00	160.00	0.496	0.496	1.00
8	15:07	1.00	0.899	1.00	160.00	160.00	1.476	1.476	1.00
9	24:32	1.00	0.900	1.00	160.00	160.00	0.933	0.933	1.00
10	8:43	1.00	0.934	1.00	320.00	320.00	2.043	2.043	1.00
11	6:49	1.00	0.732	1.00	320.00	320.00	1.780	1.780	1.00
12	18:54	1.00	1.123	1.00	320.00	320.00	0.145	0.145	1.00
13	8:44	1.00	0.937	1.00	160.00	160.00	2.436	2.436	1.00
14	8:54	1.00	0.954	1.00	160.00	160.00	1.782	1.782	1.00
15	8:58	1.00	0.962	1.00	160.00	160.00	1.580	1.580	1.00
16	9:16	1.00	0.993	1.00	160.00	160.00	1.639	1.639	1.00
17	9:22	1.00	1.005	1.00	160.00	160.00	1.714	1.714	1.00
18	9:46	1.00	1.047	1.00	160.00	160.00	0.997	0.997	1.00
19	9:47	1.00	1.050	1.00	160.00	160.00	1.600	1.600	1.00
20	10:01	1.00	1.074	1.00	160.00	160.00	1.391	1.391	1.00
21	10:04	1.00	1.080	1.00	160.00	160.00	2.859	2.859	1.00
22	10:22	1.00	1.113	1.00	160.00	160.00	1.448	1.448	1.00
23	10:29	1.00	1.125	1.00	160.00	160.00	1.299	1.299	1.00
24	10:28	1.00	1.123	1.00	160.00	160.00	0.671	0.671	1.00
25	10:45	1.00	0.871	1.00	160.00	160.00	0.490	0.490	1.00
26	11:22	1.00	0.921	1.00	160.00	160.00	0.896	0.896	1.00
27	11:28	1.00	0.930	1.00	160.00	160.00	0.237	0.237	1.00
28	11:37	1.00	0.941	1.00	160.00	160.00	0.366	0.366	1.00
29	11:51	1.00	0.960	1.00	160.00	160.00	0.556	0.556	1.00
30	12:03	1.00	0.977	1.00	160.00	160.00	0.270	0.270	1.00
31	12:04	1.00	0.979	1.00	160.00	160.00	0.161	0.161	1.00
32	12:15	1.00	0.993	1.00	160.00	160.00	0.308	0.308	1.00
33	12:24	1.00	1.005	1.00	160.00	160.00	1.063	1.063	1.00
34	12:35	1.00	1.020	1.00	160.00	160.00	0.454	0.454	1.00
35	12:50	1.00	1.041	1.00	160.00	160.00	0.146	0.146	1.00
36	13:48	1.00	1.119	1.00	160.00	160.00	0.304	0.304	1.00
37	14:07	1.00	1.145	1.00	160.00	160.00	0.652	0.652	1.00
38	14:41	1.00	0.873	1.00	160.00	160.00	0.358	0.358	1.00
39	14:55	1.00	0.886	1.00	160.00	160.00	0.431	0.431	1.00
40	14:59	1.00	0.891	1.00	160.00	160.00	0.293	0.293	1.00
41	15:21	1.00	0.912	1.00	160.00	160.00	1.314	1.314	1.00
42	15:43	1.00	0.935	1.00	160.00	160.00	0.458	0.458	1.00
43	16:19	1.00	0.970	1.00	160.00	160.00	1.271	1.271	1.00
44	16:26	1.00	0.977	1.00	160.00	160.00	1.977	1.977	1.00
45	16:28	1.00	0.979	1.00	160.00	160.00	0.319	0.319	1.00
46	16:49	1.00	0.999	1.00	160.00	160.00	0.331	0.331	1.00
47	16:55	1.00	1.006	1.00	160.00	160.00	1.212	1.212	1.00
48	17:04	1.00	1.014	1.00	160.00	160.00	0.156	0.156	1.00
49	17:20	1.00	1.030	1.00	160.00	160.00	1.630	1.630	1.00
50	17:14	1.00	1.025	1.00	160.00	160.00	0.106	0.106	1.00

01938

Quantitation Report File:

Data: STDR099.TI
04/16/87 11:51:00
Sample: 160 PPM HSL STD HWC-CM-015 4/7/87 MLB
Conds.: SK
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: CR Acct. No.:

01939

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	1398	17:28	3	1.039	A BB	50060.	160.000	UG/ML	1.31
52	149	1453	18:10	3	1.079	A VB	160411.	160.000	UG/ML	1.31
53	166	1458	18:13	3	1.083	A BB	176651.	160.000	UG/ML	1.31
54	204	1459	18:14	3	1.084	A BB	68964.	160.000	UG/ML	1.31
55	138	1475	18:26	3	1.096	M XX	39951.	160.000	UG/ML	1.31
56	198	1483	18:32	4	0.898	M XX	29957.	160.000	UG/ML	1.31
57	169	1488	18:36	4	0.901	A BB	113420.	160.000	UG/ML	1.31
58	248	1559	19:29	4	0.944	A BB	42847.	160.000	UG/ML	1.31
59	284	1589	19:52	4	0.962	A BB	46420.	160.000	UG/ML	1.31
60	266	1626	20:19	4	0.985	A BB	25054.	160.000	UG/ML	1.31
61	178	1657	20:43	4	1.004	A BV	216777.	160.000	UG/ML	1.31
62	178	1666	20:49	4	1.009	A VB	201054.	160.000	UG/ML	1.31
63	149	1788	22:21	4	1.083	A BB	249280.	160.000	UG/ML	1.31
64	202	1907	23:50	4	1.155	A VB	179110.	160.000	UG/ML	1.31
65	202	1954	24:25	5	0.883	A VB	178147.	160.000	UG/ML	1.31
66	149	2102	26:16	5	0.950	A VB	99691.	160.000	UG/ML	1.31

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	2209	27:37	5	0.999	A BV	155098.	160.000	UG/ML	1.31
68	252	2209	27:37	5	0.999	A BB	102810.	320.000	UG/ML	2.61
69	228	2220	27:45	5	1.004	A VB	136580.	160.000	UG/ML	1.31
70	149	2231	27:53	5	1.009	A BB	152559.	160.000	UG/ML	1.31
71	149	2360	29:30	6	0.941	A BB	251775.	160.000	UG/ML	1.31
72	252	2433	30:25	6	0.970	M XX	176949.	160.000	UG/ML	1.31
73	252	2438	30:28	6	0.972	M XX	153218.	160.000	UG/ML	1.31
74	252	2498	31:13	6	0.996	A BB	134153.	160.000	UG/ML	1.31
75	276	2789	34:52	6	1.112	A BB	113365.	160.000	UG/ML	1.31
76	278	2799	34:59	6	1.116	A BB	105332.	160.000	UG/ML	1.31
77	276	2789	34:52	6	1.112	A BB	113365.	160.000	UG/ML	1.31

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	17:28	1.00	1.039	1.00	160.00	160.00	0.361	0.361	1.00
52	18:10	1.00	1.079	1.00	160.00	160.00	1.156	1.156	1.00
53	18:13	1.00	1.083	1.00	160.00	160.00	1.273	1.273	1.00
54	18:14	1.00	1.084	1.00	160.00	160.00	0.497	0.497	1.00
55	18:26	1.00	1.096	1.00	160.00	160.00	0.288	0.288	1.00
56	18:32	1.00	0.898	1.00	160.00	160.00	0.178	0.178	1.00
57	18:36	1.00	0.901	1.00	160.00	160.00	0.675	0.675	1.00
58	19:29	1.00	0.944	1.00	160.00	160.00	0.255	0.255	1.00
59	19:52	1.00	0.962	1.00	160.00	160.00	0.276	0.276	1.00
60	20:19	1.00	0.985	1.00	160.00	160.00	0.149	0.149	1.00
61	20:43	1.00	1.004	1.00	160.00	160.00	1.290	1.290	1.00
62	20:49	1.00	1.009	1.00	160.00	160.00	1.196	1.196	1.00
63	22:21	1.00	1.083	1.00	160.00	160.00	1.483	1.483	1.00
64	23:50	1.00	1.155	1.00	160.00	160.00	1.066	1.066	1.00
65	24:25	1.00	0.883	1.00	160.00	160.00	1.412	1.412	1.00
66	26:16	1.00	0.950	1.00	160.00	160.00	0.790	0.790	1.00
67	27:37	1.00	0.999	1.00	160.00	160.00	1.229	1.229	1.00
68	27:37	1.00	0.999	1.00	320.00	320.00	0.407	0.407	1.00
69	27:45	1.00	1.004	1.00	160.00	160.00	1.082	1.082	1.00
70	27:53	1.00	1.009	1.00	160.00	160.00	1.209	1.209	1.00
71	29:30	1.00	0.941	1.00	160.00	160.00	2.391	2.391	1.00
72	30:25	1.00	0.970	1.00	160.00	160.00	1.680	1.680	1.00
73	30:28	1.00	0.972	1.00	160.00	160.00	1.455	1.455	1.00
74	31:13	1.00	0.996	1.00	160.00	160.00	1.274	1.274	1.00
75	34:52	1.00	1.112	1.00	160.00	160.00	1.076	1.076	1.00
76	34:59	1.00	1.116	1.00	160.00	160.00	1.000	1.000	1.00
77	34:52	1.00	1.112	1.00	160.00	160.00	1.076	1.076	1.00

01940

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE :0:STDUU927. STARTED : 3/23/88 7:20:27

3/15/88 12:12:02 SCAN 1 OF 3000 01941
Acquisition started

STDUU927

Acquire Run 0:~~STDU927~~ ACQUIRING
03/15/88 12:11:00 + 0:03 Free sectors: 7502 Scan: 4 of 3000
Sample: 20 UG/ML HSL STD
Conds.: AUTO INJ./GC DESC ST
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No: 50 UG/ML

********** 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.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	

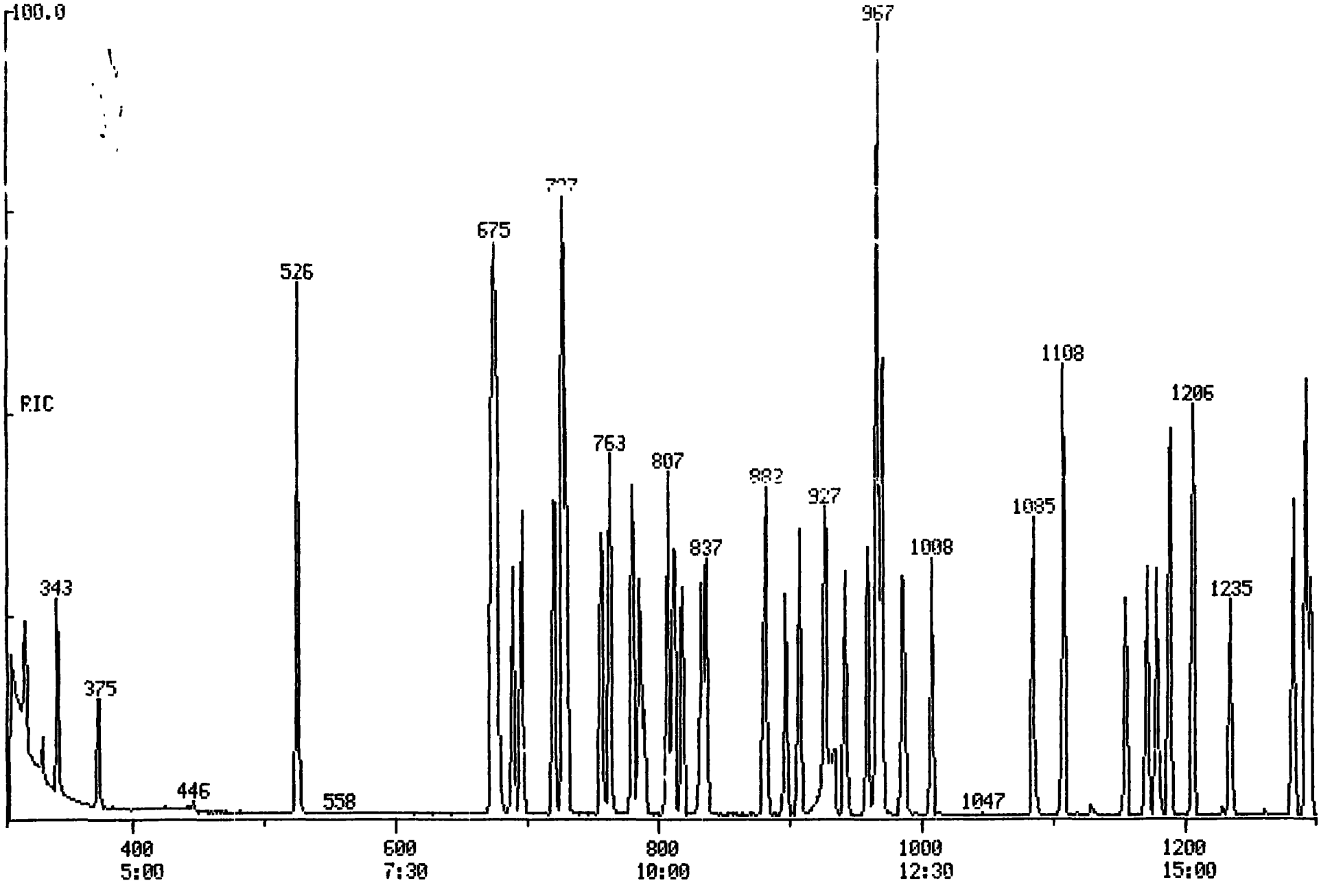
3/15/88 12:49:35
ACQUISITION COMPLETED
SCANS 1 TO 3000 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3000	232.1	2250.0	10.3	2954.	10. 13.

01942

RIC
03/15/88 12:11:00
SAMPLE: 20 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU027 #1 SCANS 200 TO 1200
CALI: 031588CU #5 OUT OF 200 TO 3000

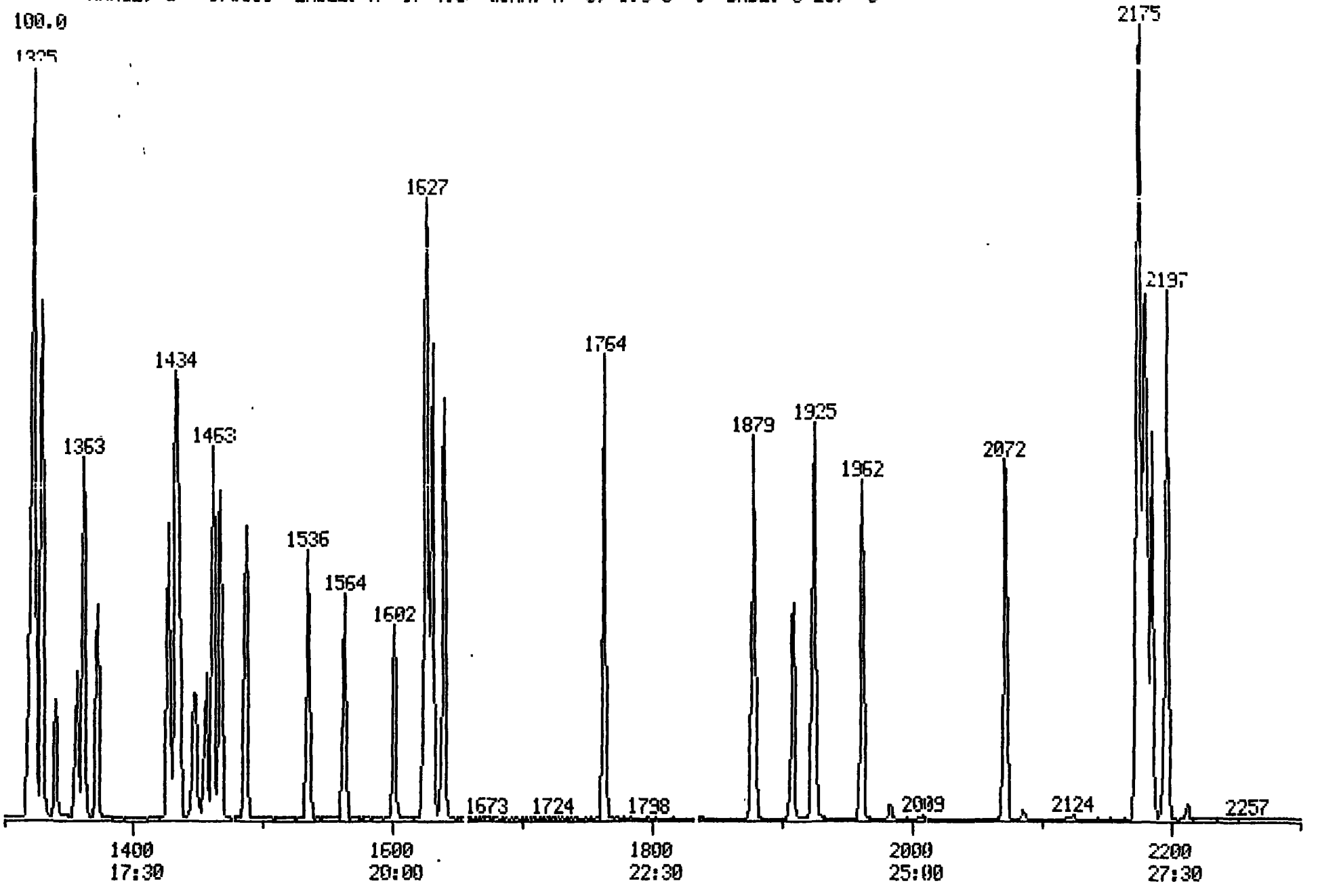


01943

PIC
03/15/88 12:11:00
SAMPLE: 20 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU027 #1
CALI: 031588CU #5

SCANS 1200 TO 2200
OUT OF 300 TO 3000



01944

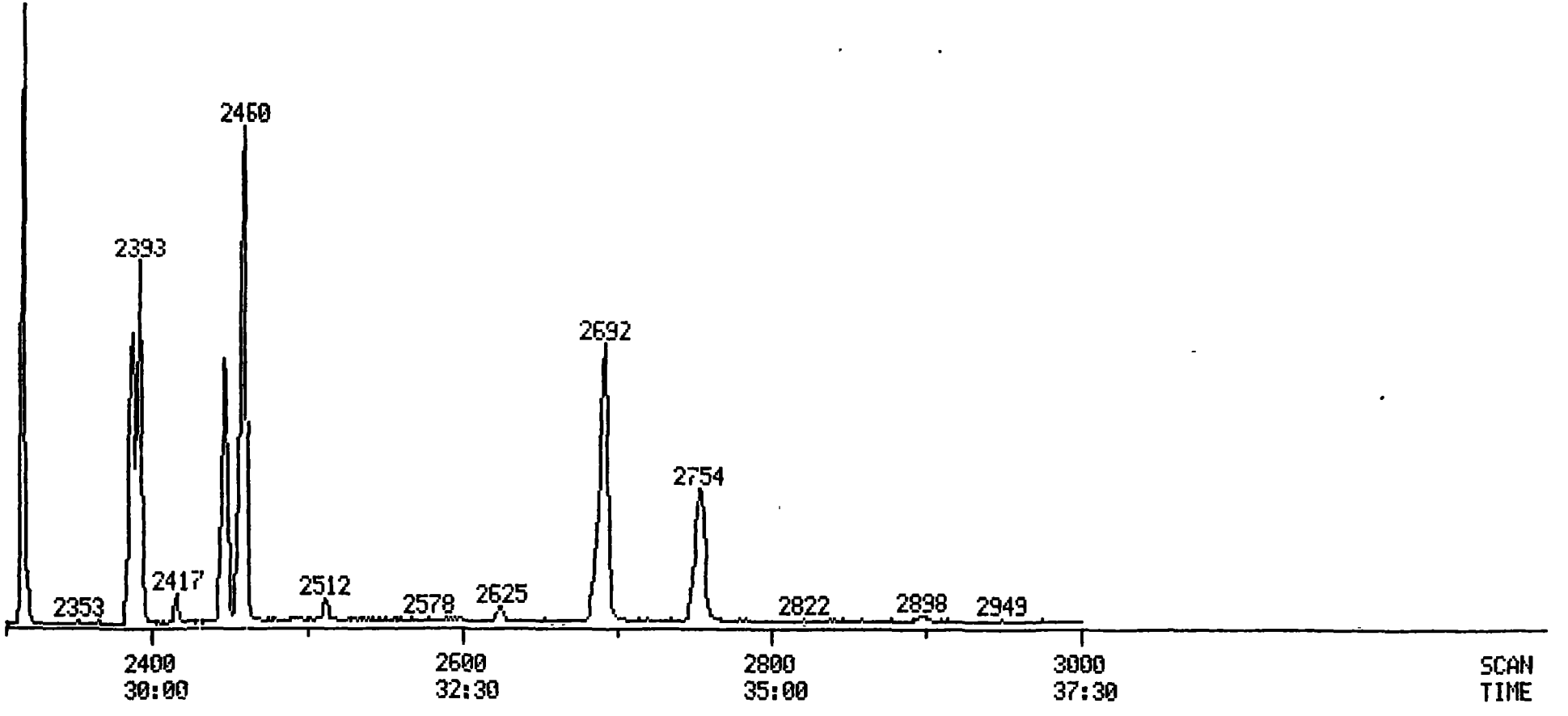
PIC
03/15/88 12:11:00
SAMPLE: 20 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU927 #1
CAL I: 031588CU #5

SCANS 2300 TO 3000
OUT OF 300 TO 3000

100.0

51648.



SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

STDUU927
031588CU
03/15/88
20 UG/ML HSL STD

01945

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUR	MATCH	AREA
1	B1	D4-1	152	727	740	13	968	760	43.	15702.
2	B1	N-NI	74	343	353	10	996	783	58.	9875.
3	B1	PHEN	94	676	677	1	965	369	74.	17201.
4	B1	ANIL	93	678	679	1	985	708	92.	19812.
5	B1	BIS(	93	689	689	0	974	814	97.	14349.
6	B1	2-CH	128	696	697	1	992	629	89.	12154.
7	B1	1,3-	146	720	720	0	987	745	94.	12706.
8	B1	1,4-	146	730	730	0	988	738	94.	13391.
9	B1	BENZ	108	756	755	-1	999	717	93.	7980.
10	B1	1,2-	146	763	762	-1	993	72[illegible]	94.	12562.
11	B1	2-ME	108	780	778	-2	984	76[illegible]	95.	10757.
12	B1	BIS(	45	786	783	-3	961	565	84.	22972.
13	B1	4-ME	108	807	804	-3	927	644	86.	11328.
14	B1	N-NI	70	812	810	-2	995	345	74.	9883.
15	B1	HEXA	117	819	816	-3	991	864	100.	5089.
16	B1	2-FL	112	525	530	5	994	602	88.	22225.
17	B1	D5-P	99	674	675	1	949	44[illegible]	77.	29950.
18	B1	D8-N	136	976	981	5	667	67	44.	133.
				-984		-3	680	30	43.	
				-967		14	997	638	38.	
19	B1	NITR	77	837	847	10	996	810	59.	13064.
20	B1	ISOP	82	882	892	10	977	580	51.	25655.
				-897		-5	334	18	25.	
21	B1	2-NI	139	897	907	10	989	608	52.	6803.
22	B1	2,4-	107	908	917	9	997	661	60.	10167.
				-914		3	537	108	40.	
23	B1	BIS(	93	927	936	9	999	762	64.	15396.
24	B1	BENZ	122	935	943	8	1000	691	69.	7757.
25	B1	2,4-	162	942	952	10	995	668	54.	8700.
26	B1	1,2,	180	959	968	9	996	64[illegible]	60.	9189.
27	B1	NAPH	128	970	980	10	931	725	54.	35492.
				-986		-6	496	244	44.	
28	B1	4-CH	127	986	996	10	981	585	51.	13422.
29	B1	HEXA	225	1008	1016	8	993	701	69.	4598.
30	B1	4-CH	107	1085	1093	8	995	640	67.	9499.
31	B1	2-ME	142	1108	1118	10	992	72[illegible]	56.	21008.
				-1129		-11	947	578	46.	
32	B1	D5-N	82	833	844	11	995	66[illegible]	49.	12696.
33	B1	D10-	164	1325	1340	15	989	65[illegible]	36.	30672.
34	B1	HEXA	237	1155	1157	2	993	635	89.	4705.
35	B1	2,4,	196	1171	1173	2	994	685	91.	5703.
				-1179		-6	970	650	88.	
36	B1	2,4,	196	1179	1181	2	987	605	87.	6375.
37	B1	2-CH	162	1206	1209	3	967	638	88.	19395.
38	B1	2-NI	65	1235	1237	2	998	674	91.	7222.
39	B1	DIME	163	1282	1282	0	977	713	92.	22186.
40	B1	ACEN	152	1292	1294	2	952	740	92.	30713.
41	B1	2,6-	165	1295	1295	0	997	598	87.	5719.
42	B1	3-NI	138	1321	1321	0	906	551	80.	6253.
43	B1	ACEN	153	1331	1332	1	990	68[illegible]	91.	19649.
44	B1	2,4-	184	1341	1342	1	988	57[illegible]	86.	3136.
45	B1	4-NI	109	1357	1358	1	992	58[illegible]	86.	2602.
46	B1	DIBE	168	1363	1363	0	970	66[illegible]	89.	25772.
47	B1	2,4-	165	1374	1373	-1	995	65[illegible]	90.	7517.
48	B1	DIET	149	1428	1426	-2	956	77[illegible]	94.	23650.

50	B1	4-CH	204	1436	1435	-1	990	543	84.	9401.
51	B1	4-NI	138	1448	1447	-1	982	682	91.	6467.
52	B1	2-FL	172	1189	1190	1	998	616	88.	20783.
53	B1	2,4,	330	1488	1486	-2	987	593	86.	4993.
54	B1	D10-	188	1636	1644	8	593	233	37.	523.
				-1627		17	991	645	32.	
55	B1	4,6-	198	1457	1467	10	976	592	52.	4541.
56	B1	N-NI	169	1463	1472	9	906	600	55.	15466.
57	B1	AZOB	77	1469	1478	9	949	754	62.	25652.
58	B1	4-BR	248	1536	1545	9	990	700	61.	5157.
59	B1	HEXA	284	1564	1574	10	994	672	55.	5616.
60	B1	PENT	266	1602	1611	9	985	594	58.	3891.
61	B1	PHEN	178	1641	1642	1	945	725	91.	30651.
62	B1	ANTH	178	1641	1651	10	945	725	55.	59555.
63	B1	DI-N	149	1764	1771	7	937	651	74.	40929.
64	B1	FLUO	202	1879	1889	10	986	720	56.	29581.
65	B1	D12-	240	2180	2204	24	955	661	22.	41436.
66	B1	BENZ	184	1908	1908	0	996	528	84.	16363.
67	B1	PYRE	202	1925	1926	1	966	744	93.	29958.
68	B1	BUTY	149	2072	2071	-1	994	642	89.	17739.
69	B1	3,3'	252	2174	2175	1	984	358	75.	18084.
70	B1	BENZ	228	2175	2177	2	981	325	73.	27058.
				-2185		-8	986	697	69.	
71	B1	CHRY	228	2185	2187	2	995	740	94.	25104.
72	B1	BIS(	149	2196	2198	2	985	623	88.	24888.
73	B1	D14-	244	1962	1961	-1	972	536	83.	18261.
74	B1	D12-	264	---	2515	NO PEAKS FOUND				
75	B1	DI-N	149	2353	2357	4	833	103	54.	171.
76	B1	BENZ	252	2446	2431	-15	986	772	38.	19467.
77	B1	BENZ	252	2447	2435	-12	992	773	48.	19772.
78	B1	BENZ	252	---	2501	NO PEAKS FOUND				
79	B1	INDE	276	---	2796	NO PEAKS FOUND				
80	B1	DIBE	278	---	2803	NO PEAKS FOUND				
81	B1	BENO	276	---	2877	NO PEAKS FOUND				

01946

Quantitation Report File: STDUU727

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

01947

No	Name			
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1
2	N-NITROSODIMETHYLAMINE	74	B1#	02
3	PHENOL	94	B1#	03CC
4	ANILINE	93	B1#	04
5	BIS(2-CHLOROETHYL)ETHER	93	B1#	05
6	2-CHLOROPHENOL	128	B1#	06
7	1,3-DICHLOROBENZENE	146	B1#	07
8	1,4-DICHLOROBENZENE	146	B1#	08CC
9	BENZYL ALCOHOL	108	B1#	09
10	1,2-DICHLOROBENZENE	146	B1#	10
11	2-METHYLPHENOL	108	B1#	11
12	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12
13	4-METHYLPHENOL	108	B1#	13
14	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14SP
15	HEXACHLOROETHANE	117	B1#	15
16	2-FLUOROPHENOL	112	SB1#	16
17	D5-PHENOL	99	SB1#	17
18	D8-NAPHTHALENE	136	IB1#	18
19	NITROBENZENE	77	B1#	19
20	ISOPHORONE	82	B1#	20
21	2-NITROPHENOL	139	B1#	21CC
22	2,4-DIMETHYLPHENOL	107	B1#	22
23	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22
24	BENZOIC ACID	122	B1#	24
25	2,4-DICHLOROPHENOL	162	B1#	25CC
26	1,2,4-TRICHLOROBENZENE	180	B1#	26
27	NAPHTHALENE	128	B1#	27
28	4-CHLOROANILINE	127	B1#	28
29	HEXACHLOROBUTADIENE	223	B1#	29CC
30	4-CHLORO-3-METHYLPHENOL	107	B1#	30CC
31	2-METHYLNAPHTHALENE	142	B1#	31
32	D5-NITROBENZENE	82	SB1#	32
33	D10-ACENAPHTHENE	164	IB1#	33
34	HEXACHLOROCYCLOPENTADIENE	237	B1#	34SP
35	2,4,6-TRICHLOROPHENOL	196	B1#	35CC
36	2,4,5-TRICHLOROPHENOL	196	B1#	36
37	2-CHLORONAPHTHALENE	162	B1#	37
38	2-NITROANILINE	65	B1#	38
39	DIMETHYL PHTHALATE	163	B1#	39
40	ACENAPHTHALENE	152	B1#	40
41	2,6-DINITROTOLUENE	165	B1#	41
42	3-NITROANILINE	138	B1#	42
43	ACENAPHTHENE	153	B1#	43CC
44	2,4-DINITROPHENOL	184	B1#	44SP
45	4-NITROPHENOL	109	B1#	45SP
46	DIBENZOFURAN	168	B1#	46
47	2,4-DINITROTOLUENE	165	B1#	47
48	DIETHYLPHTHALATE	149	B1#	48
49	FLUORENE	166	B1#	49
50	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	727	9:05	1	1.000	A BB	15702.	40.000	UG/ML	0.03
2	74	343	4:17	1	0.472	# VB	9876.	20.221	UG/ML	0.01
3	94	676	8:27	1	0.930	A BB	17202.	19.682	UG/ML	0.01
4	93	678	8:28	1	0.933	# BV	19812.	19.800	UG/ML	0.01
5	93	689	8:37	1	0.948	# VB	14349.	19.473	UG/ML	0.01
6	128	696	8:42	1	0.957	A BB	12154.	20.578	UG/ML	0.01
7	146	720	9:00	1	0.990	A BB	12706.	20.166	UG/ML	0.01
8	146	730	9:07	1	1.004	A BB	13392.	20.113	UG/ML	0.01
9	108	756	9:27	1	1.040	A BB	7981.	24.048	UG/ML	0.02
10	146	763	9:32	1	1.050	A BB	12563.	20.181	UG/ML	0.01
11	108	780	9:45	1	1.073	# BV	10758.	15.927	UG/ML	0.01
12	45	786	9:49	1	1.081	A BB	22973.	15.895	UG/ML	0.01
13	108	807	10:05	1	1.110	A BB	11328.	17.805	UG/ML	0.01
14	70	812	10:09	1	1.117	A BB	9883.	16.831	UG/ML	0.01
15	117	819	10:14	1	1.127	A BB	5090.	20.208	UG/ML	0.01
16	112	525	6:34	1	0.722	A BB	22226.	40.070	UG/ML	0.03
17	99	674	8:25	1	0.927	A BB	29950.	38.751	UG/ML	0.03
18	136	976	12:12	18	1.000	# VB	132.	40.000	UG/ML	0.03
19	77	837	10:28	18	0.858	A BB	13064.	8502.550	UG/ML	5.49
20	82	882	11:01	18	0.904	A BB	25655.	8763.130	UG/ML	5.66
21	139	897	11:13	18	0.919	A BB	6804.	9492.220	UG/ML	6.13
22	107	908	11:21	18	0.930	# BB	10168.	8519.890	UG/ML	5.51
23	93	927	11:35	18	0.950	A BB	15396.	8886.890	UG/ML	5.74
24	122	935	11:41	18	0.958	A BB	7757.	14346.100	UG/ML	9.27
25	162	942	11:46	18	0.965	A BB	8701.	9270.150	UG/ML	5.99
26	180	959	11:59	18	0.983	A BB	9190.	9179.670	UG/ML	5.93
27	128	970	12:07	18	0.994	A BB	35493.	9440.950	UG/ML	6.10
28	127	986	12:19	18	1.010	A BB	13422.	8730.270	UG/ML	5.64
29	225	1008	12:36	18	1.033	A BB	4599.	10378.600	UG/ML	6.71
30	107	1085	13:34	18	1.112	A BB	9500.	9090.600	UG/ML	5.87
31	142	1108	13:51	18	1.135	A BB	21008.	8956.370	UG/ML	5.79
32	82	833	10:25	18	0.853	A BB	12696.	8696.040	UG/ML	5.62
33	164	1325	16:34	33	1.000	A BB	30672.	40.000	UG/ML	0.03
34	237	1155	14:26	33	0.872	A BB	4706.	24.826	UG/ML	0.02
35	196	1171	14:38	33	0.884	A BB	5704.	24.851	UG/ML	0.02
36	196	1179	14:44	33	0.890	A BB	6376.	23.346	UG/ML	0.02
37	162	1206	15:04	33	0.910	A BB	19395.	21.095	UG/ML	0.01
38	65	1235	15:26	33	0.932	A BB	7222.	22.361	UG/ML	0.01
39	163	1282	16:01	33	0.968	A BB	22186.	24.575	UG/ML	0.02
40	152	1292	16:09	33	0.975	A BB	30714.	21.180	UG/ML	0.01
41	165	1295	16:11	33	0.977	A BB	5720.	25.435	UG/ML	0.02
42	138	1321	16:31	33	0.997	A BB	6254.	28.020	UG/ML	0.02
43	153	1331	16:38	33	1.005	A BB	19649.	21.662	UG/ML	0.01
44	184	1341	16:46	33	1.012	A BB	3136.	33.466	UG/ML	0.02
45	109	1357	16:58	33	1.024	# BV	2602.	33.000	UG/ML	0.02
46	168	1363	17:02	33	1.029	A BB	25772.	21.100	UG/ML	0.01
47	165	1374	17:10	33	1.037	A BB	7517.	29.132	UG/ML	0.02
48	149	1428	17:51	33	1.078	A BB	23651.	28.126	UG/ML	0.02
49	166	1434	17:55	33	1.082	A BB	22024.	23.967	UG/ML	0.02
50	204	1436	17:57	33	1.084	A BB	9401.	23.593	UG/ML	0.02

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:15	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:34	0.94	0.485	0.97	20.22	50.00	0.503	1.244	0.40
3	8:45	0.97	0.931	1.00	19.68	50.00	0.876	2.226	0.39
4	8:46	0.97	0.934	1.00	19.80	50.00	1.009	2.549	0.40

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No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
5	8:55	0.97	0.948	1.00	19.47	50.00	0.731	1.877	0.39
6	9:01	0.97	0.959	1.00	20.58	50.00	0.619	1.505	0.41
7	9:19	0.97	0.991	1.00	20.17	50.00	0.647	1.605	0.40
8	9:26	0.97	1.004	1.00	20.11	50.00	0.682	1.696	0.40
9	9:46	0.97	1.039	1.00	24.05	50.00	0.407	0.845	0.48
10	9:51	0.97	1.048	1.00	20.18	50.00	0.640	1.586	0.40
11	10:04	0.97	1.070	1.00	15.93	50.00	0.548	1.721	0.32
12	10:07	0.97	1.077	1.00	15.89	50.00	1.170	3.682	0.32
13	10:24	0.97	1.106	1.00	17.81	50.00	0.577	1.621	0.36
14	10:28	0.97	1.114	1.00	16.83	50.00	0.504	1.496	0.34
15	10:33	0.97	1.122	1.00	20.21	50.00	0.259	0.642	0.40
16	6:51	0.96	0.729	0.99	40.07	100.00	0.566	1.413	0.40
17	8:43	0.97	0.928	1.00	38.75	100.00	0.763	1.969	0.39
18	12:16	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
19	10:46	0.97	0.868	0.99	8502.56	50.00	78.289	0.460	170.05
20	11:21	0.97	0.914	0.99	8763.13	50.00	153.741	0.877	175.26
21	11:32	0.97	0.930	0.99	9492.22	50.00	40.773	0.215	189.84
22	11:40	0.97	0.940	0.99	8519.89	50.00	60.932	0.358	170.40
23	11:54	0.97	0.959	0.99	8886.89	50.00	92.264	0.519	177.74
24	11:59	0.97	0.966	0.99	14346.10	50.00	46.487	0.162	286.92
25	12:07	0.97	0.976	0.99	9270.15	50.00	52.141	0.281	185.40
26	12:19	0.97	0.992	0.99	9179.67	50.00	55.071	0.300	183.59
27	12:28	0.97	1.004	0.99	9440.95	50.00	212.692	1.126	188.82
28	12:40	0.97	1.020	0.99	8730.27	50.00	80.434	0.461	174.61
29	12:55	0.97	1.041	0.99	10378.60	50.00	27.560	0.133	207.57
30	13:54	0.98	1.120	0.99	9090.60	50.00	56.929	0.313	181.81
31	14:13	0.97	1.145	0.99	8956.37	50.00	125.894	0.703	179.13
32	10:44	0.97	0.865	0.99	8696.05	50.00	76.084	0.437	173.92
33	16:45	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	14:47	0.98	0.873	1.00	24.83	50.00	0.123	0.247	0.50
35	15:00	0.98	0.886	1.00	24.85	50.00	0.149	0.299	0.50
36	15:06	0.98	0.892	1.00	23.35	50.00	0.166	0.356	0.47
37	15:27	0.98	0.912	1.00	21.10	50.00	0.506	1.199	0.42
38	15:49	0.98	0.934	1.00	22.36	50.00	0.188	0.421	0.45
39	16:23	0.98	0.968	1.00	24.58	50.00	0.579	1.177	0.49
40	16:32	0.98	0.976	1.00	21.18	50.00	0.801	1.891	0.42
41	16:33	0.98	0.977	1.00	25.43	50.00	0.149	0.293	0.51
42	16:53	0.98	0.997	1.00	28.02	50.00	0.163	0.291	0.56
43	17:01	0.98	1.005	1.00	21.66	50.00	0.512	1.183	0.43
44	17:09	0.98	1.013	1.00	33.47	50.00	0.082	0.122	0.67
45	17:22	0.98	1.025	1.00	33.00	50.00	0.068	0.103	0.66
46	17:25	0.98	1.029	1.00	21.10	50.00	0.672	1.593	0.42
47	17:33	0.98	1.036	1.00	29.13	50.00	0.196	0.337	0.58
48	18:13	0.98	1.076	1.00	28.13	50.00	0.617	1.097	0.56
49	18:19	0.98	1.082	1.00	23.97	50.00	0.574	1.198	0.48
50	18:21	0.98	1.083	1.00	23.59	50.00	0.245	0.520	0.47

01949

Quantitation Report File: STDUU927

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

01950

No	Name		
51	4-NITROANILINE	138 B1#	51
52	2-FLUOROBIPHENYL	172SB1#	52
53	2,4,6-TRIBROMOPHENOL	330SB1#	53
54	D10-PHENANTHRENE	188IB1#	54
55	4,6-DINITRO-2-METHYLPHENOL	198 B1#	55
56	N-NITROSODIPHENYLAMINE	169 B1#	56CC
57	AZOBENENE	77 B1#	57
58	4-BROMOPHENYL-PHENYLETHER	248 B1#	58
59	HEXACHLOROBENZENE	284 B1#	59
60	PENTACHLOROPHENOL	266 B1#	60CC
61	PHENANTHRENE	178 B1#	61
62	ANTHRACENE	178 B1#	62
63	DI-N-BUTYLPHTHALATE	149 B1#	63
64	FLUORANTHENE	202 B1#	64CC
65	D12-CHRYSENE	240IB1#	65
66	BENZIDINE	184 B1#	66
67	PYRENE	202 B1#	67
68	BUTYLBENZYLPHTHALATE	149 B1#	68
69	3,3'-DICHLOROBENZIDINE	252 B1#	69
70	BENZO(A)ANTHRACENE	228 B1#	70
71	CHRYSENE	228 B1#	71
72	BIS(2-ETHYLHEXYL)PHTHALATE	149 B1#	72
73	D14-TERPHENYL	244SB1#	73
74	D12-PERYLENE	264IB1#	74
75	DI-N-OCTYL PHTHALATE	149 B1#	75CC
76	BENZO(B)FLUORANTHENE	252 B1#	76
77	BENZO(K)FLUORANTHENE	252 B1#	77
78	BENZO(A)PYRENE	252 B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276 B1#	79
80	DIBENZ(A,H)ANTHRACENE	278 B1#	80
81	BENO(GHI)PERYLENE	276 B1#	81

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	138	1448	18:06	33	1.093	# BB	6468.	39.874	UG/ML	0.03
52	172	1189	14:52	33	0.897	A BB	20782.	21.619	UG/ML	0.01
53	330	1488	18:36	33	1.123	A BB	4993.	62.372	UG/ML	0.04
54	188	1636	20:27	54	1.000	# VB	523.	40.000	UG/ML	0.03
55	198	1457	18:13	54	0.891	A BB	4541.	2201.820	UG/ML	1.42
56	169	1463	18:17	54	0.894	A BB	15466.	1801.060	UG/ML	1.16
57	77	1469	18:22	54	0.898	# VB	25652.	1305.140	UG/ML	0.84
58	248	1536	19:12	54	0.939	A BB	5158.	1762.420	UG/ML	1.14
59	284	1564	19:33	54	0.956	A BB	5616.	1936.230	UG/ML	1.25
60	266	1602	20:01	54	0.979	A BB	3892.	2299.970	UG/ML	1.49
61	178	1641	20:31	54	1.003	# VB	30651.	1945.380	UG/ML	1.26
62	178	1641	20:31	54	1.003	A BB	59556.	3576.560	UG/ML	2.31
63	149	1764	22:03	54	1.078	A BB	40930.	2109.490	UG/ML	1.36
64	202	1879	23:29	54	1.149	A BB	29581.	2265.230	UG/ML	1.46
65	240	2180	27:15	65	1.000	A BB	41436.	40.000	UG/ML	0.03
66	184	1908	23:51	65	0.875	A BB	16364.	40.208	UG/ML	0.03
67	202	1925	24:04	65	0.883	A BB	29959.	17.467	UG/ML	0.01
68	149	2072	25:54	65	0.950	A BB	17740.	19.085	UG/ML	0.01
69	252	2174	27:10	65	0.997	A BB	18085.	48.656	UG/ML	0.03

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
70	228	2175	27:11	65	0.998	# BV	2705?.	20.497	UG/ML	0.01
71	228	2185	27:19	65	1.002	# VB	25105.	20.647	UG/ML	0.01
72	149	2196	27:27	65	1.007	A BB	24889.	18.653	UG/ML	0.01
73	244	1962	24:31	65	0.900	A BB	18262.	18.395	UG/ML	0.01
74	NOT FOUND									
75	149	2353	29:25	74	ISNFD	A BB	172.	******	UG/ML	00.00
76	252	2446	30:34	74	ISNFD	A BB	19468.	******	UG/ML	00.00
77	252	2447	30:35	74	ISNFD	A BB	19773.	******	UG/ML	00.00
78	NOT FOUND									
79	NOT FOUND									
80	NOT FOUND									
81	NOT FOUND									

01951

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:30	0.98	1.092	1.00	39.87	50.00	0.169	0.212	0.80
52	15:13	0.98	0.898	1.00	21.62	50.00	0.542	1.254	0.43
53	19:00	0.98	1.122	1.00	62.37	100.00	0.065	0.104	0.62
54	20:33	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
55	18:37	0.98	0.897	0.99	2201.82	50.00	6.940	0.158	44.04
56	18:40	0.98	0.900	0.99	1801.06	50.00	23.636	0.656	36.02
57	18:45	0.98	0.904	0.99	1305.15	50.00	39.201	1.502	26.10
58	19:36	0.98	0.945	0.99	1762.42	50.00	7.882	0.224	35.25
59	19:58	0.98	0.962	0.99	1936.24	50.00	8.583	0.222	38.72
60	20:26	0.98	0.985	0.99	2299.98	50.00	5.947	0.129	46.00
61	20:49	0.98	1.004	1.00	1945.39	50.00	46.841	1.204	38.91
62	20:56	0.98	1.009	0.99	3576.56	50.00	91.012	1.272	71.53
63	22:28	0.98	1.083	1.00	2109.49	50.00	62.548	1.483	42.19
64	23:58	0.98	1.155	0.99	2265.24	50.00	45.206	0.998	45.30
65	27:33	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
66	24:20	0.98	0.875	1.00	40.21	100.00	0.158	0.393	0.40
67	24:34	0.98	0.884	1.00	17.47	50.00	0.578	1.656	0.35
68	26:25	0.98	0.950	1.00	19.09	50.00	0.342	0.897	0.38
69	27:44	0.98	0.998	1.00	48.66	100.00	0.175	0.359	0.49
70	27:46	0.98	0.999	1.00	20.50	50.00	0.522	1.274	0.41
71	27:53	0.98	1.003	1.00	20.65	50.00	0.485	1.174	0.41
72	28:01	0.98	1.008	1.00	18.65	50.00	0.481	1.288	0.37
73	25:01	0.98	0.900	1.00	18.39	50.00	0.353	0.958	0.37
74	31:26		1.000						
75	29:42	0.99	0.937						
76	30:37	1.00	0.966						
77	30:40	1.00	0.968						
78	31:31		0.994						
79	35:13		1.112						
80	35:19		1.114						
81	36:15		1.144						

QUANTITATION REPORT FILE: STDUU927

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

01952

NO	NAME				
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1	
2	D8-NAPHTHALENE	136	IB1#	18	
3	D10-ACENAPHTHENE	164	IB1#	33	
4	D10-PHENANTHRENE	188	IB1#	54	
5	D12-CHRYSENE	240	IB1#	65	
6	D12-PERYLENE	264	IB1#	74	
7	D5-NITROBENZENE	82	SB1#	32	
8	2-FLUOROBIPHENYL	172	SB1#	52	
9	D14-TERPHENYL	244	SB1#	73	
10	D5-PHENOL	99	SB1#	17	
11	2-FLUOROPHENOL	112	SB1#	16	
12	2,4,6-TRIBROMOPHENOL	330	SB1#	53	
13	N-NITROSODIMETHYLAMINE	74	B1#	02	
14	PHENOL	94	B1#	03CC	
15	ANILINE	93	B1#	04	
16	BIS(2-CHLOROETHYL)ETHER	93	B1#	05	
17	2-CHLOROPHENOL	128	B1#	06	
18	1,3-DICHLOROBENZENE	146	B1#	07	
19	1,4-DICHLOROBENZENE	146	B1#	08CC	
20	BENZYL ALCOHOL	108	B1#	09	
21	1,2-DICHLOROBENZENE	146	B1#	10	
22	2-METHYLPHENOL	108	B1#	11	
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12	
24	4-METHYLPHENOL	108	B1#	13	
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14SP	
26	HEXACHLOROETHANE	117	B1#	15	
27	NITROBENZENE	77	B1#	19	
28	ISOPHORONE	82	B1#	20	
29	2-NITROPHENOL	139	B1#	21CC	
30	2,4-DIMETHYLPHENOL	107	B1#	22	
31	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22	
32	BENZOIC ACID	122	B1#	24	
33	2,4-DICHLOROPHENOL	162	B1#	25CC	
34	1,2,4-TRICHLOROBENZENE	180	B1#	26	
35	NAPHTHALENE	128	B1#	27	
36	4-CHLOROANILINE	127	B1#	28	
37	HEXACHLOROBUTADIENE	223	B1#	29CC	
38	4-CHLORO-3-METHYLPHENOL	107	B1#	30CC	
39	2-METHYLNAPHTHALENE	142	B1#	31	
40	HEXACHLOROCYCLOPENTADIENE	237	B1#	34SP	
41	2,4,6-TRICHLOROPHENOL	196	B1#	35CC	
42	2,4,5-TRICHLOROPHENOL	196	B1#	36	
43	2-CHLORONAPHTHALENE	162	B1#	37	
44	2-NITROANILINE	65	B1#	38	
45	DIMETHYL PHTHALATE	163	B1#	39	
46	ACENAPHTHALENE	152	B1#	40	
47	2,6-DINITROTOLUENE	165	B1#	41	
48	3-NITROANILINE	138	B1#	42	
49	ACENAPHTHENE	153	B1#	43CC	
50	2,4-DINITROPHENOL	184	B1#	44SP	
51	4-NITROPHENOL	109	B1#	45SP	
52	DIBENZOFURAN	168	B1#	46	
53	2,4-DINITROTOLUENE	165	B1#	47	

01953

NO	NAME			
54	DIETHYLPHTHALATE	149	B1#	48
55	FLUORENE	166	B1#	49
56	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50
57	4-NITROANILINE	138	B1#	51
58	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55
59	N-NITROSODIPHENYLAMINE	169	B1#	56CC
60	AZOBENENE	77	B1#	57
61	4-BROMOPHENYL-PHENYLETHER	248	B1#	58
62	HEXACHLOROBENZENE	284	B1#	59
63	PENTACHLOROPHENOL	266	B1#	60CC
64	PHENANTHRENE	178	B1#	61
65	ANTHRACENE	178	B1#	62
66	DI-N-BUTYLPHTHALATE	149	B1#	63
67	FLUORANTHENE	202	B1#	64CC
68	BENZIDINE	184	B1#	66
69	PYRENE	202	B1#	67
70	BUTYLBENZYLPHTHALATE	149	B1#	68
71	3,3'-DICHLOROBENZIDINE	252	B1#	69
72	BENZO(A)ANTHRACENE	228	B1#	70
73	CHRYSENE	228	B1#	71
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC
76	BENZO(B)FLUORANTHENE	252	B1#	76
77	BENZO(K)FLUORANTHENE	252	B1#	77
78	BENZO(A)PYRENE	252	B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80
81	BENO(GHI)PERYLENE	276	B1#	81

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	727	9:05	1	1.000	A BB	15702.	40.000	UG/ML	0.00
2	136	976	12:12	2	1.000	# VB	133.	40.000	UG/ML	0.00
3	164	1325	16:34	3	1.000	A BB	30672.	40.000	UG/ML	0.00
4	188	1636	20:27	4	1.000	# VB	523.	40.000	UG/ML	0.00
5	240	2180	27:15	5	1.000	A BB	41436.	40.000	UG/ML	0.00
6	NOT FOUND									
7	82	833	10:25	2	0.853	A BB	12696.	8696.040	UG/ML	0.00
8	172	1189	14:52	3	0.897	A BB	20783.	21.619	UG/ML	0.00
9	244	1962	24:31	5	0.900	A BB	18262.	18.395	UG/ML	0.00
10	99	674	8:25	1	0.927	A BB	29950.	38.751	UG/ML	0.00
11	112	525	6:34	1	0.722	A BB	22226.	40.070	UG/ML	0.00
12	330	1488	18:36	3	1.123	A BB	4993.	62.372	UG/ML	0.00
13	74	343	4:17	1	0.472	# VB	9876.	20.221	UG/ML	0.00
14	94	676	8:27	1	0.930	A BB	17202.	19.682	UG/ML	0.00
15	93	678	8:28	1	0.933	# BV	19812.	19.800	UG/ML	0.00
16	93	689	8:37	1	0.948	# VB	14349.	19.473	UG/ML	0.00
17	128	696	8:42	1	0.957	A BB	12154.	20.578	UG/ML	0.00
18	146	720	9:00	1	0.990	A BB	12706.	20.166	UG/ML	0.00
19	146	730	9:07	1	1.004	A BB	13392.	20.113	UG/ML	0.00
20	108	756	9:27	1	1.040	A BB	7981.	24.048	UG/ML	0.00
21	146	763	9:32	1	1.050	A BB	12563.	20.181	UG/ML	0.00
22	108	780	9:45	1	1.073	# BV	10758.	15.927	UG/ML	0.00
23	45	786	9:49	1	1.081	A BB	22973.	15.895	UG/ML	0.00
24	108	807	10:05	1	1.110	A BB	11328.	17.805	UG/ML	0.00
25	70	812	10:09	1	1.117	A BB	9883.	16.831	UG/ML	0.00
26	117	819	10:14	1	1.127	A BB	5090.	20.208	UG/ML	0.00

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
27	77	837	10:28	2	0.858	A BB	13064.	8502.550	UG/ML	0.00
28	82	882	11:01	2	0.904	A BB	25655.	8763.130	UG/ML	0.00
29	139	897	11:13	2	0.919	A BB	6804.	9492.220	UG/ML	0.00
30	107	908	11:21	2	0.930	# BB	10168.	8519.890	UG/ML	0.00
31	93	927	11:35	2	0.950	A BB	15396.	8886.890	UG/ML	0.00
32	122	935	11:41	2	0.958	A BB	7757.	14346.100	UG/ML	0.00
33	162	942	11:46	2	0.965	A BB	8701.	9270.150	UG/ML	0.00
34	180	959	11:59	2	0.983	A BB	9190.	9179.670	UG/ML	0.00
35	128	970	12:07	2	0.994	A BB	35493.	9440.950	UG/ML	0.00
36	127	986	12:19	2	1.010	A BB	13422.	8730.270	UG/ML	0.00
37	225	1008	12:36	2	1.033	A BB	4599.	10378.600	UG/ML	0.00
38	107	1085	13:34	2	1.112	A BB	9500.	9090.600	UG/ML	0.00
39	142	1108	13:51	2	1.135	A BB	21008.	8956.370	UG/ML	0.00
40	237	1155	14:26	3	0.872	A BB	4706.	24.826	UG/ML	0.00
41	196	1171	14:38	3	0.884	A BB	5704.	24.851	UG/ML	0.00
42	196	1179	14:44	3	0.890	A BB	6376.	23.346	UG/ML	0.00
43	162	1206	15:04	3	0.910	A BB	19395.	21.095	UG/ML	0.00
44	65	1235	15:26	3	0.932	A BB	7222.	22.361	UG/ML	0.00
45	163	1282	16:01	3	0.968	A BB	22186.	24.575	UG/ML	0.00
46	152	1292	16:09	3	0.975	A BB	30714.	21.180	UG/ML	0.00
47	165	1295	16:11	3	0.977	A BB	5720.	25.435	UG/ML	0.00
48	138	1321	16:31	3	0.997	A BB	6254.	28.020	UG/ML	0.00
49	153	1331	16:38	3	1.005	A BB	19649.	21.662	UG/ML	0.00
50	184	1341	16:46	3	1.012	A BB	3126.	33.466	UG/ML	0.00
51	109	1357	16:58	3	1.024	# BV	2602.	33.000	UG/ML	0.00
52	168	1363	17:02	3	1.029	A BB	25773.	21.100	UG/ML	0.00
53	165	1374	17:10	3	1.037	A BB	7517.	29.132	UG/ML	0.00
54	149	1428	17:51	3	1.078	A BB	23651.	28.126	UG/ML	0.00
55	166	1434	17:55	3	1.082	A BB	22024.	23.967	UG/ML	0.00
56	204	1436	17:57	3	1.084	A BB	9401.	23.593	UG/ML	0.00
57	138	1448	18:06	3	1.093	# BB	6468.	39.874	UG/ML	0.00
58	198	1457	18:13	4	0.891	A BB	4541.	2201.820	UG/ML	0.00
59	169	1463	18:17	4	0.894	A BB	15466.	1801.060	UG/ML	0.00
60	77	1469	18:22	4	0.898	# VB	25652.	1305.140	UG/ML	0.00
61	248	1536	19:12	4	0.939	A BB	5158.	1762.420	UG/ML	0.00
62	284	1564	19:33	4	0.956	A BB	5616.	1936.230	UG/ML	0.00
63	266	1602	20:01	4	0.979	A BB	3891.	2299.970	UG/ML	0.00
64	178	1641	20:31	4	1.003	# VB	30651.	1945.380	UG/ML	0.00
65	178	1641	20:31	4	1.003	A BB	59556.	3576.560	UG/ML	0.00
66	149	1764	22:03	4	1.078	A BB	40930.	2109.490	UG/ML	0.00
67	202	1879	23:29	4	1.149	A BB	29581.	2265.230	UG/ML	0.00
68	184	1908	23:51	5	0.875	A BB	16364.	40.208	UG/ML	0.00
69	202	1925	24:04	5	0.883	A BB	29959.	17.467	UG/ML	0.00
70	149	2072	25:54	5	0.950	A BB	17740.	19.085	UG/ML	0.00
71	252	2174	27:10	5	0.997	A BB	18085.	48.656	UG/ML	0.00
72	228	2175	27:11	5	0.998	# BV	27059.	20.497	UG/ML	0.00
73	228	2185	27:19	5	1.002	# VB	25105.	20.647	UG/ML	0.00
74	149	2196	27:27	5	1.007	A BB	24889.	18.653	UG/ML	0.00
75	149	2353	29:25	6	*723700	A BB	172.	*27755400	UG/ML	1.00
76	252	2446	30:34	6	*723700	A BB	19468.	*48374600	UG/ML	1.00
77	252	2447	30:35	6	*723700	A BB	19773.	*52771200	UG/ML	1.00
78	NOT FOUND									
79	NOT FOUND									
80	NOT FOUND									
81	NOT FOUND									

RMAL QUANTITATION SUMMARY FILE: STDUU927
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

01955

NO	NAME		SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	D4-1,4-DICHLOROBENZENE	152IB1# 1	727	1	1.000	1.000	40.000	UG/ML
2	D8-NAPHTHALENE	136IB1# 18	976	2	1.000	1.000	40.000	UG/ML
3	D10-ACENAPHTHENE	164IB1# 33	1335	3	1.000	1.000	40.000	UG/ML
4	D10-PHENANTHRENE	188IB1# 54	1636	4	1.000	1.000	40.000	UG/ML
5	D12-CHRYSENE	240IB1# 65	2180	5	1.000	1.000	40.000	UG/ML
6	D12-PERYLENE	264IB1# 74	NOT FOUND					
7	D5-NITROBENZENE	82SB1# 32	833	2	0.853	76.084	8696.040	UG/ML
8	2-FLUOROBIPHENYL	172SB1# 52	1189	3	0.897	0.542	21.619	UG/ML
9	D14-TERPHENYL	244SB1# 73	1962	5	0.900	0.353	18.395	UG/ML
10	D5-PHENOL	99SB1# 17	674	1	0.927	0.763	38.751	UG/ML
11	2-FLUOROPHENOL	112SB1# 16	525	1	0.722	0.566	40.070	UG/ML
12	2,4,6-TRIBROMOPHENOL	330SB1# 53	1428	3	1.123	0.065	62.372	UG/ML
13	N-NITROSODIMETHYLAMINE	74 B1# 02	343	1	0.472	0.503	20.221	UG/ML
14	PHENOL	94 B1# 03CC	676	1	0.930	0.876	19.682	UG/ML
15	ANILINE	93 B1# 04	678	1	0.933	1.009	19.800	UG/ML
16	BIS(2-CHLOROETHYL)ETHER	93 B1# 05	669	1	0.948	0.731	19.473	UG/ML
17	2-CHLOROPHENOL	128 B1# 06	696	1	0.957	0.619	20.578	UG/ML
18	1,3-DICHLOROBENZENE	146 B1# 07	720	1	0.990	0.647	20.166	UG/ML
19	1,4-DICHLOROBENZENE	146 B1# 08CC	720	1	1.004	0.682	20.113	UG/ML
20	BENZYL ALCOHOL	108 B1# 09	756	1	1.040	0.407	24.048	UG/ML
21	1,2-DICHLOROBENZENE	146 B1# 10	763	1	1.050	0.640	20.181	UG/ML
22	2-METHYLPHENOL	108 B1# 11	780	1	1.073	0.548	15.927	UG/ML
23	BIS(2-CHLOROISOPROPYL)ETHER	45 B1# 12	786	1	1.081	1.170	15.895	UG/ML
24	4-METHYLPHENOL	108 B1# 13	807	1	1.110	0.577	17.805	UG/ML
25	N-NITROSO-DI-N-PROPYLAMINE	70 B1# 14SP	812	1	1.117	0.504	16.831	UG/ML
26	HEXACHLOROETHANE	117 B1# 15	819	1	1.127	0.359	20.208	UG/ML
27	NITROBENZENE	77 B1# 19	837	2	0.858	78.289	8502.550	UG/ML
28	ISOPHORONE	82 B1# 20	882	2	0.904	*153.7	8763.130	UG/ML
29	2-NITROPHENOL	139 B1# 21CC	897	2	0.919	40.773	9492.220	UG/ML
30	2,4-DIMETHYLPHENOL	107 B1# 22	908	2	0.930	60.932	8519.890	UG/ML
31	BIS(2-CHLOROETHOXY)METHANE	93 B1# 22	907	2	0.950	92.264	8886.890	UG/ML
32	BENZOIC ACID	122 B1# 24	935	2	0.958	46.487	14346.100	UG/ML
33	2,4-DICHLOROPHENOL	162 B1# 25CC	942	2	0.965	52.141	9270.150	UG/ML
34	1,2,4-TRICHLOROBENZENE	180 B1# 26	959	2	0.983	55.071	9179.670	UG/ML
35	NAPHTHALENE	128 B1# 27	970	2	0.994	*212.6	9440.950	UG/ML
36	4-CHLOROANILINE	127 B1# 28	986	2	1.010	80.434	8730.270	UG/ML
37	HEXACHLOROBUTADIENE	223 B1# 29CC	1008	2	1.033	27.560	10378.600	UG/ML
38	4-CHLORO-3-METHYLPHENOL	107 B1# 30CC	1085	2	1.112	56.929	9090.600	UG/ML
39	2-METHYLNAPHTHALENE	142 B1# 31	1108	2	1.135	*128.8	8956.370	UG/ML
40	HEXACHLOROCYCLOPENTADIENE	237 B1# 34SP	1155	3	0.872	0.123	24.826	UG/ML
41	2,4,6-TRICHLOROPHENOL	196 B1# 35CC	1171	3	0.884	0.149	24.851	UG/ML
42	2,4,5-TRICHLOROPHENOL	196 B1# 36	1179	3	0.890	0.166	23.346	UG/ML
43	2-CHLORONAPHTHALENE	162 B1# 37	1206	3	0.910	0.506	21.095	UG/ML
44	2-NITROANILINE	65 B1# 38	1225	3	0.932	0.188	22.361	UG/ML
45	DIMETHYL PHTHALATE	163 B1# 39	1282	3	0.968	0.579	24.575	UG/ML
46	ACENAPHTHALENE	152 B1# 40	1292	3	0.975	0.801	21.180	UG/ML
47	2,6-DINITROTOLUENE	165 B1# 41	1295	3	0.977	0.149	25.435	UG/ML
48	3-NITROANILINE	138 B1# 42	1321	3	0.997	0.163	28.020	UG/ML
49	ACENAPHTHENE	153 B1# 43CC	1331	3	1.005	0.513	21.662	UG/ML
50	2,4-DINITROPHENOL	184 B1# 44SP	1341	3	1.012	0.082	33.466	UG/ML
51	4-NITROPHENOL	109 B1# 45SP	1357	3	1.024	0.068	33.000	UG/ML
52	DIBENZOFURAN	168 B1# 46	1363	3	1.029	0.672	21.100	UG/ML
53	2,4-DINITROTOLUENE	165 B1# 47	1374	3	1.037	0.196	29.132	UG/ML
54	DIETHYLPHTHALATE	149 B1# 48	1428	3	1.078	0.617	28.126	UG/ML
55	FLUORENE	166 B1# 49	1434	3	1.082	0.574	23.967	UG/ML
56	4-CHLOROPHENYL-PHENYLETHER	204 B1# 50	1436	3	1.084	0.245	23.593	UG/ML
57	4-NITROANILINE	138 B1# 51	1448	3	1.093	0.169	39.874	UG/ML
58	4,6-DINITRO-2-METHYLPHENOL	198 B1# 55	1457	4	0.891	6.940	2201.820	UG/ML
59	N-NITROSODIPHENYLAMINE	169 B1# 56CC	1463	4	0.894	23.636	1801.060	UG/ML
60	AZOBENENE	77 B1# 57	1469	4	0.898	39.202	1305.140	UG/ML
61	4-BROMOPHENYL-PHENYLETHER	248 B1# 58	1526	4	0.939	7.882	1762.420	UG/ML

62	HEXACHLOROBENZENE	284	B1#	59	1564	4	0.958	0.[illegible]	1758.[illegible] UG/ML
63	PENTACHLOROPHENOL	266	B1#	60CC	1602	4	0.979	5.947	2299.970 UG/ML
64	PHENANTHRENE	178	B1#	61	1641	4	1.00346.841		1945.380 UG/ML
65	ANTHRACENE	178	B1#	62	1641	4	1.00391.012		3576.560 UG/ML
66	DI-N-BUTYLPHTHALATE	149	B1#	63	1764	4	1.07862.548		2109.490 UG/ML
67	FLUORANTHENE	202	B1#	64CC	1879	4	1.14945.206		2265.230 UG/ML
68	BENZIDINE	184	B1#	66	1908	5	0.875	0.158	40.208 UG/ML
69	PYRENE	202	B1#	67	1925	5	0.883	0.578	17.467 UG/ML
70	BUTYLBENZYLPHTHALATE	149	B1#	68	2072	5	0.950	0.343	19.085 UG/ML
71	3,3'-DICHLOROBENZIDINE	252	B1#	69	2174	5	0.997	0.175	48.656 UG/ML
72	BENZO(A)ANTHRACENE	228	B1#	70	2175	5	0.998	0.522	20.497 UG/ML
73	CHRYSENE	228	B1#	71	2185	5	1.002	0.485	20.647 UG/ML
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	2196	5	1.007	0.481	18.653 UG/ML
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC	2353	6*72370*14474*27755400 UG/ML			
76	BENZO(B)FLUORANTHENE	252	B1#	76	2446	6*72370*14474*48374600 UG/ML			
77	BENZO(K)FLUORANTHENE	252	B1#	77	2447	6*72370*14474*52771200 UG/ML			
78	BENZO(A)PYRENE	252	B1#	78CC	NOT FOUND				
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	NOT FOUND				
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	NOT FOUND				
81	BENO(GHI)PERYLENE	276	B1#	81	NOT FOUND				

01956

QUANTITATION REPORT FILE: STDUU927

DATA: STDUU927.TI
03/15/88 12:11:00
SAMPLE: 20 UG/ML HSL STD
SUBMITTED BY: RMAL ANALYST: KS

01957

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

NO	NAME			
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1
2	D8-NAPHTHALENE	136	IB1#	18
3	D10-ACENAPHTHENE	164	IB1#	33
4	D10-PHENANTHRENE	188	IB1#	54
5	D12-CHRYSENE	240	IB1#	65
6	D12-PERYLENE	264	IB1#	74
7	D5-NITROBENZENE	82	SB1#	32
8	2-FLUOROBIPHENYL	172	SB1#	52
9	D14-TERPHENYL	244	SB1#	73
10	D5-PHENOL	99	SB1#	17
11	2-FLUOROPHENOL	112	SB1#	16
12	2,4,6-TRIBROMOPHENOL	330	SB1#	53
13	N-NITROSODIMETHYLAMINE	74	B1#	02
14	PHENOL	94	B1#	03CC
15	ANILINE	93	B1#	04
16	BIS(2-CHLOROETHYL)ETHER	93	B1#	05
17	2-CHLOROPHENOL	128	B1#	06
18	1,3-DICHLOROBENZENE	146	B1#	07
19	1,4-DICHLOROBENZENE	146	B1#	08CC
20	BENZYL ALCOHOL	108	B1#	09
21	1,2-DICHLOROBENZENE	146	B1#	10
22	2-METHYLPHENOL	108	B1#	11
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12
24	4-METHYLPHENOL	108	B1#	13
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14SP
26	HEXACHLOROETHANE	117	B1#	15
27	NITROBENZENE	77	B1#	19
28	ISOPHORONE	82	B1#	20
29	2-NITROPHENOL	139	B1#	21CC
30	2,4-DIMETHYLPHENOL	107	B1#	22
31	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22
32	BENZOIC ACID	122	B1#	24
33	2,4-DICHLOROPHENOL	162	B1#	25CC
34	1,2,4-TRICHLOROBENZENE	180	B1#	26
35	NAPHTHALENE	128	B1#	27
36	4-CHLOROANILINE	127	B1#	28
37	HEXACHLOROBUTADIENE	223	B1#	29CC
38	4-CHLORO-3-METHYLPHENOL	107	B1#	30CC
39	2-METHYLNAPHTHALENE	142	B1#	31
40	HEXACHLOROCYCLOPENTADIENE	237	B1#	34SP
41	2,4,6-TRICHLOROPHENOL	196	B1#	35CC
42	2,4,5-TRICHLOROPHENOL	196	B1#	36
43	2-CHLORONAPHTHALENE	162	B1#	37
44	2-NITROANILINE	65	B1#	38
45	DIMETHYL PHTHALATE	163	B1#	39
46	ACENAPHTHALENE	152	B1#	40

01958

NO	NAME			
47	2,6-DINITROTOLUENE	165	B1#	41
48	3-NITROANILINE	138	B1#	42
49	ACENAPHTHENE	153	B1#	43CC
50	2,4-DINITROPHENOL	184	B1#	44SP
51	4-NITROPHENOL	109	B1#	45SP
52	DIBENZOFURAN	168	B1#	46
53	2,4-DINITROTOLUENE	165	B1#	47
54	DIETHYLPHTHALATE	149	B1#	48
55	FLUORENE	166	B1#	49
56	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50
57	4-NITROANILINE	138	B1#	51
58	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55
59	N-NITROSODIPHENYLAMINE	169	B1#	56CC
60	AZOBENENE	77	B1#	57
61	4-BROMOPHENYL-PHENYLETHER	248	B1#	58
62	HEXACHLOROBENZENE	284	B1#	59
63	PENTACHLOROPHENOL	266	B1#	60CC
64	PHENANTHRENE	178	B1#	61
65	ANTHRACENE	178	B1#	62
66	DI-N-BUTYLPHTHALATE	149	B1#	63
67	FLUORANTHENE	202	B1#	64CC
68	BENZIDINE	184	B1#	66
69	PYRENE	202	B1#	67
70	BUTYLBENZYLPHTHALATE	149	B1#	68
71	3,3'-DICHLOROBENZIDINE	252	B1#	69
72	BENZO(A)ANTHRACENE	228	B1#	70
73	CHRYSENE	228	B1#	71
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC
76	BENZO(B)FLUORANTHENE	252	B1#	76
77	BENZO(K)FLUORANTHENE	252	B1#	77
78	BENZO(A)PYRENE	252	B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80
81	BENO(GHI)PERYLENE	276	B1#	81

NO	M/E	SCAN	TIME	REF	PRT	METH	AREA (HGHT)	AMOUNT		%TOT
1	152	727	9:05	1	1.000	A BB	15702.	40.000	UG/ML	2.21
2	136	967	12:05	2	1.000	M XX	60631.	40.000	UG/ML	2.21
3	164	1325	16:34	3	1.000	A BB	30672.	40.000	UG/ML	2.21
4	188	1627	20:20	4	1.000	M XX	48727.	40.000	UG/ML	2.21
5	240	2180	27:15	5	1.000	A BB	41436.	40.000	UG/ML	2.21
6	264	2460	30:45	6	1.000	M XX	31617.	40.000	UG/ML	2.21
7	82	833	10:25	2	0.861	A BB	12696.	19.806	UG/ML	1.09
8	172	1189	14:52	3	0.897	A BB	20783.	20.736	UG/ML	1.15
9	244	1962	24:31	5	0.900	A BB	18262.	18.910	UG/ML	1.05
10	99	674	8:25	1	0.927	A BB	29950.	37.259	UG/ML	2.06
11	112	525	6:34	1	0.722	A BB	22226.	37.914	UG/ML	2.10
12	330	1488	18:36	3	1.123	A BB	4993.	42.897	UG/ML	2.37
13	74	343	4:17	1	0.472	# VB	9876.	20.350	UG/ML	1.13
14	94	676	8:27	1	0.930	A BB	17202.	18.815	UG/ML	1.04
15	93	678	8:28	1	0.933	# BV	19812.	17.879	UG/ML	0.99
16	93	689	8:37	1	0.948	# VB	14349.	20.050	UG/ML	1.11
17	128	696	8:42	1	0.957	A BB	12154.	20.044	UG/ML	1.11
18	146	720	9:00	1	0.990	A BB	12706.	20.474	UG/ML	1.13
19	146	730	9:07	1	1.004	A BB	13392.	19.404	UG/ML	1.07

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	108	756	9:27	1	1.040	A BB	7981.	21.015	UG/ML	1.16
21	146	763	9:32	1	1.050	A BB	12563.	19.802	UG/ML	1.09
22	108	780	9:45	1	1.073	# BV	10758.	19.494	UG/ML	1.08
23	45	786	9:49	1	1.081	A BB	22973.	19.500	UG/ML	1.08
24	108	807	10:05	1	1.110	A BB	11328.	19.141	UG/ML	1.06
25	70	812	10:09	1	1.117	A BB	9883.	19.143	UG/ML	1.06
26	117	819	10:14	1	1.127	A BB	5090.	19.434	UG/ML	1.07
27	77	837	10:28	2	0.866	A BB	13064.	19.535	UG/ML	1.08
28	82	882	11:01	2	0.912	A BB	25655.	20.042	UG/ML	1.11
29	139	897	11:13	2	0.928	A BB	6804.	19.998	UG/ML	1.11
30	107	908	11:21	2	0.939	# BB	10168.	19.672	UG/ML	1.09
31	93	927	11:35	2	0.959	A BB	15396.	19.945	UG/ML	1.10
32	122	935	11:41	2	0.967	A BB	7757.	8.663	UG/ML	0.48
33	162	942	11:46	2	0.974	A BB	8701.	19.511	UG/ML	1.08
34	180	959	11:59	2	0.992	A BB	9190.	19.746	UG/ML	1.09
35	128	970	12:07	2	1.003	A BB	35493.	20.448	UG/ML	1.13
36	127	986	12:19	2	1.020	A BB	13422.	18.241	UG/ML	1.01
37	225	1008	12:36	2	1.042	A BB	4599.	20.168	UG/ML	1.12
38	107	1085	13:34	2	1.122	A BB	9500.	19.419	UG/ML	1.07
39	142	1108	13:51	2	1.146	A BB	21008.	19.410	UG/ML	1.07
40	237	1155	14:26	3	0.872	A BB	4706.	21.235	UG/ML	1.17
41	196	1171	14:38	3	0.884	A BB	5704.	20.692	UG/ML	1.14
42	196	1179	14:44	3	0.890	A BB	6376.	21.300	UG/ML	1.18
43	162	1206	15:04	3	0.910	A BB	19395.	21.122	UG/ML	1.17
44	65	1235	15:26	3	0.932	A BB	7222.	21.017	UG/ML	1.16
45	163	1282	16:01	3	0.968	A BB	22166.	20.615	UG/ML	1.14
46	152	1292	16:09	3	0.975	A BB	30714.	20.566	UG/ML	1.14
47	165	1295	16:11	3	0.977	A BB	5720.	20.233	UG/ML	1.12
48	138	1321	16:31	3	0.997	A BB	6254.	18.903	UG/ML	1.05
49	153	1331	16:38	3	1.005	A BB	19649.	20.814	UG/ML	1.15
50	184	1341	16:46	3	1.012	A BB	3136.	19.258	UG/ML	1.06
51	109	1357	16:58	3	1.024	# BV	2602.	20.973	UG/ML	1.16
52	168	1363	17:02	3	1.029	A BB	25773.	20.130	UG/ML	1.11
53	165	1374	17:10	3	1.037	A BB	7517.	21.096	UG/ML	1.17
54	149	1428	17:51	3	1.078	A BB	23651.	21.477	UG/ML	1.19
55	166	1434	17:55	3	1.082	A BB	22024.	20.036	UG/ML	1.11
56	204	1436	17:57	3	1.084	A BB	9401.	19.597	UG/ML	1.08
57	138	1448	18:06	3	1.093	# BB	6468.	20.784	UG/ML	1.15
58	198	1457	18:13	4	0.896	A BB	4541.	19.363	UG/ML	1.07
59	169	1463	18:17	4	0.899	A BB	15466.	19.286	UG/ML	1.07
60	77	1469	18:22	4	0.903	# VB	25652.	19.174	UG/ML	1.06
61	248	1536	19:12	4	0.944	A BB	5158.	19.636	UG/ML	1.09
62	284	1564	19:33	4	0.961	A BB	5616.	20.293	UG/ML	1.12
63	266	1602	20:01	4	0.985	A BB	3891.	19.524	UG/ML	1.08
64	178	1632	20:24	4	1.003	M XX	28964.	19.173	UG/ML	1.06
65	178	1641	20:31	4	1.009	M XX	30645.	19.780	UG/ML	1.09
66	149	1764	22:03	4	1.084	A BB	40930.	19.350	UG/ML	1.07
67	202	1879	23:29	4	1.155	A BB	29581.	21.069	UG/ML	1.16
68	184	1908	23:51	5	0.875	A BB	16364.	32.593	UG/ML	1.80
69	202	1925	24:04	5	0.883	A BB	29959.	19.416	UG/ML	1.07
70	149	2072	25:54	5	0.950	A BB	17740.	19.302	UG/ML	1.07
71	252	2174	27:10	5	0.997	A BB	18085.	38.849	UG/ML	2.15
72	228	2175	27:11	5	0.998	# BV	27059.	20.110	UG/ML	1.11
73	228	2185	27:19	5	1.002	# VB	25105.	21.088	UG/ML	1.17
74	149	2196	27:27	5	1.007	A BB	24889.	18.583	UG/ML	1.03
75	149	2317	28:58	6	0.942	M XX	41353.	23.608	UG/ML	1.31

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGHT)	AMOUNT		%TOT
76	252	2388	29:51	6	0.971	M XX	22712.	21.753	UG/ML	1.20
77	252	2393	29:55	6	0.973	M XX	23963.	21.716	UG/ML	1.20
78	252	2447	30:35	6	0.995	M XX	19930.	20.807	UG/ML	1.15
79	276	2691	33:38	6	1.094	M XX	19280.	15.922	UG/ML	0.88
80	278	2693	33:40	6	1.095	M XX	15449.	15.775	UG/ML	0.87
81	276	2754	34:25	6	1.120	M XX	15842.	15.898	UG/ML	0.88

01960

RMAL QUANTITATION SUMMARY FILE: STDUU927
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

01961

NO	NAME			SCAN	REF	RRT	FRF	AMOUNT	UNITS
1	D4-1,4-DICHLOROBENZENE	152IB1#	1	727	1	1.000	1.000	40.000	UG/ML
2	D8-NAPHTHALENE	136IB1#	18	967	2	1.000	1.000	40.000	UG/ML
3	D10-ACENAPHTHENE	164IB1#	33	1325	3	1.000	1.000	40.000	UG/ML
4	D10-PHENANTHRENE	188IB1#	54	1627	4	1.000	1.000	40.000	UG/ML
5	D12-CHRYSENE	240IB1#	65	2180	5	1.000	1.000	40.000	UG/ML
6	D12-PERYLENE	264IB1#	74	2480	6	1.000	1.000	40.000	UG/ML
7	D5-NITROBENZENE	82SB1#	32	833	2	0.861	0.168	19.806	UG/ML
8	2-FLUOROBIPHENYL	172SB1#	52	1169	3	0.897	0.542	20.736	UG/ML
9	D14-TERPHENYL	244SB1#	73	1962	5	0.900	0.253	18.910	UG/ML
10	D5-PHENOL	99SB1#	17	674	1	0.927	0.763	37.259	UG/ML
11	2-FLUOROPHENOL	112SB1#	16	525	1	0.722	0.566	37.914	UG/ML
12	2,4,6-TRIBROMOPHENOL	330SB1#	53	1488	3	1.123	0.065	42.897	UG/ML
13	N-NITROSODIMETHYLAMINE	74 B1#	02	343	1	0.472	0.503	20.350	UG/ML
14	PHENOL	94 B1#	03CC	676	1	0.930	0.876	18.815	UG/ML
15	ANILINE	93 B1#	04	678	1	0.933	1.009	17.879	UG/ML
16	BIS(2-CHLOROETHYL)ETHER	93 B1#	05	689	1	0.948	0.731	20.050	UG/ML
17	2-CHLOROPHENOL	128 B1#	06	696	1	0.957	0.619	20.044	UG/ML
18	1,3-DICHLOROBENZENE	146 B1#	07	720	1	0.990	0.647	20.474	UG/ML
19	1,4-DICHLOROBENZENE	146 B1#	08CC	730	1	1.004	0.682	19.404	UG/ML
20	BENZYL ALCOHOL	108 B1#	09	756	1	1.040	0.407	21.015	UG/ML
21	1,2-DICHLOROBENZENE	146 B1#	10	763	1	1.050	0.640	19.802	UG/ML
22	2-METHYLPHENOL	108 B1#	11	780	1	1.073	0.548	19.494	UG/ML
23	BIS(2-CHLOROISOPROPYL)ETHER	45 B1#	12	786	1	1.081	1.170	19.500	UG/ML
24	4-METHYLPHENOL	108 B1#	13	807	1	1.110	0.577	19.141	UG/ML
25	N-NITROSO-DI-N-PROPYLAMINE	70 B1#	14SP	812	1	1.117	0.504	19.143	UG/ML
26	HEXACHLOROETHANE	117 B1#	15	819	1	1.127	0.259	19.434	UG/ML
27	NITROBENZENE	77 B1#	19	837	2	0.866	0.172	19.535	UG/ML
28	ISOPHORONE	82 B1#	20	862	2	0.912	0.339	20.042	UG/ML
29	2-NITROPHENOL	139 B1#	21CC	897	2	0.928	0.090	19.998	UG/ML
30	2,4-DIMETHYLPHENOL	107 B1#	22	908	2	0.939	0.134	19.672	UG/ML
31	BIS(2-CHLOROETHOXY)METHANE	93 B1#	22	927	2	0.959	0.203	19.945	UG/ML
32	BENZOIC ACID	122 B1#	24	935	2	0.967	0.102	8.663	UG/ML
33	2,4-DICHLOROPHENOL	162 B1#	25CC	942	2	0.974	0.115	19.511	UG/ML
34	1,2,4-TRICHLOROBENZENE	180 B1#	26	959	2	0.992	0.121	19.746	UG/ML
35	NAPHTHALENE	128 B1#	27	970	2	1.003	0.468	20.448	UG/ML
36	4-CHLOROANILINE	127 B1#	28	986	2	1.020	0.177	18.241	UG/ML
37	HEXACHLOROBUTADIENE	223 B1#	29CC	1008	2	1.042	0.061	20.168	UG/ML
38	4-CHLORO-3-METHYLPHENOL	107 B1#	30CC	1085	2	1.122	0.125	19.419	UG/ML
39	2-METHYLNAPHTHALENE	142 B1#	31	1108	2	1.146	0.277	19.410	UG/ML
40	HEXACHLOROCYCLOPENTADIENE	237 B1#	34SP	1155	3	0.872	0.123	21.235	UG/ML
41	2,4,6-TRICHLOROPHENOL	196 B1#	35CC	1171	3	0.884	0.149	20.692	UG/ML
42	2,4,5-TRICHLOROPHENOL	196 B1#	36	1179	3	0.890	0.166	21.300	UG/ML
43	2-CHLORONAPHTHALENE	162 B1#	37	1206	3	0.910	0.506	21.122	UG/ML
44	2-NITROANILINE	65 B1#	38	1225	3	0.932	0.188	21.017	UG/ML
45	DIMETHYL PHTHALATE	163 B1#	39	1282	3	0.968	0.579	20.615	UG/ML
46	ACENAPHTHALENE	152 B1#	40	1292	3	0.975	0.801	20.566	UG/ML
47	2,6-DINITROTOLUENE	165 B1#	41	1295	3	0.977	0.149	20.233	UG/ML
48	3-NITROANILINE	138 B1#	42	1321	3	0.997	0.163	18.903	UG/ML
49	ACENAPHTHENE	153 B1#	43CC	1331	3	1.005	0.513	20.814	UG/ML
50	2,4-DINITROPHENOL	184 B1#	44SP	1341	3	1.012	0.082	19.258	UG/ML
51	4-NITROPHENOL	109 B1#	45SP	1357	3	1.024	0.068	20.973	UG/ML
52	DIBENZOFURAN	168 B1#	46	1363	3	1.029	0.672	20.130	UG/ML
53	2,4-DINITROTOLUENE	165 B1#	47	1374	3	1.037	0.196	21.098	UG/ML
54	DIETHYLPHTHALATE	149 B1#	48	1428	3	1.078	0.617	21.477	UG/ML
55	FLUORENE	166 B1#	49	1434	3	1.082	0.574	20.036	UG/ML
56	4-CHLOROPHENYL-PHENYLETHER	204 B1#	50	1436	3	1.084	0.245	19.597	UG/ML
57	4-NITROANILINE	138 B1#	51	1448	3	1.093	0.169	20.784	UG/ML
58	4,6-DINITRO-2-METHYLPHENOL	198 B1#	55	1457	4	0.896	0.075	19.363	UG/ML
59	N-NITROSODIPHENYLAMINE	169 B1#	56CC	1463	4	0.899	0.254	19.286	UG/ML
60	AZOBENENE	77 B1#	57	1469	4	0.903	0.421	19.174	UG/ML
61	4-BROMOPHENYL-PHENYLETHER	248 B1#	58	1536	4	0.944	0.085	19.636	UG/ML

63	PENTACHLOROPHENOL	266	B1#	60CC	1602	4	0.985	0.064	19.524 UG/ML
64	PHENANTHRENE	178	B1#	61	1632	4	1.003	0.476	19.173 UG/ML
65	ANTHRACENE	178	B1#	62	1641	4	1.009	0.503	19.780 UG/ML
66	DI-N-BUTYLPHTHALATE	149	B1#	63	1764	4	1.084	0.672	19.350 UG/ML
67	FLUORANTHENE	202	B1#	64CC	1879	4	1.155	0.486	21.069 UG/ML
68	BENZIDINE	184	B1#	66	1908	5	0.875	0.158	32.593 UG/ML
69	PYRENE	202	B1#	67	1925	5	0.883	0.578	19.416 UG/ML
70	BUTYLBENZYLPHTHALATE	149	B1#	68	2072	5	0.950	0.343	19.302 UG/ML
71	3,3'-DICHLOROBENZIDINE	252	B1#	69	2174	5	0.997	0.175	38.849 UG/ML
72	BENZO(A)ANTHRACENE	228	B1#	70	2175	5	0.998	0.522	20.110 UG/ML
73	CHRYSENE	228	B1#	71	2185	5	1.002	0.485	21.088 UG/ML
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	2196	5	1.007	0.481	18.583 UG/ML
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC	2317	6	0.942	1.046	23.608 UG/ML
76	BENZO(B)FLUORANTHENE	252	B1#	76	2388	6	0.971	0.575	21.753 UG/ML
77	BENZO(K)FLUORANTHENE	252	B1#	77	2393	6	0.973	0.606	21.716 UG/ML
78	BENZO(A)PYRENE	252	B1#	78CC	2447	6	0.995	0.504	20.807 UG/ML
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	2691	6	1.094	0.488	15.922 UG/ML
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	2693	6	1.095	0.391	15.775 UG/ML
81	BENO(GHI)PERYLENE	276	B1#	81	2754	6	1.120	0.401	15.898 UG/ML

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE :D:STDUU720. STARTED : 3/23/88 7:48:48

3/15/88 13:02:05 SCAN 1 OF 3000
Acquisition started

C1963

Acquire Run D:~~STDU928~~ STDUU928 ACQUIRING
03/15/88 13:02:00 + 0:04 Free sectors: 715 Scan: 5 of 3000
Sample: 50 UG/ML HSL STD
Conds.: AUTO INJ./GC DESC ST
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No: 50 UG/ML

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 31 DegC Injector : 250 DegC
Current GC Desc:ST GC elapsed time : 0: 2 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 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

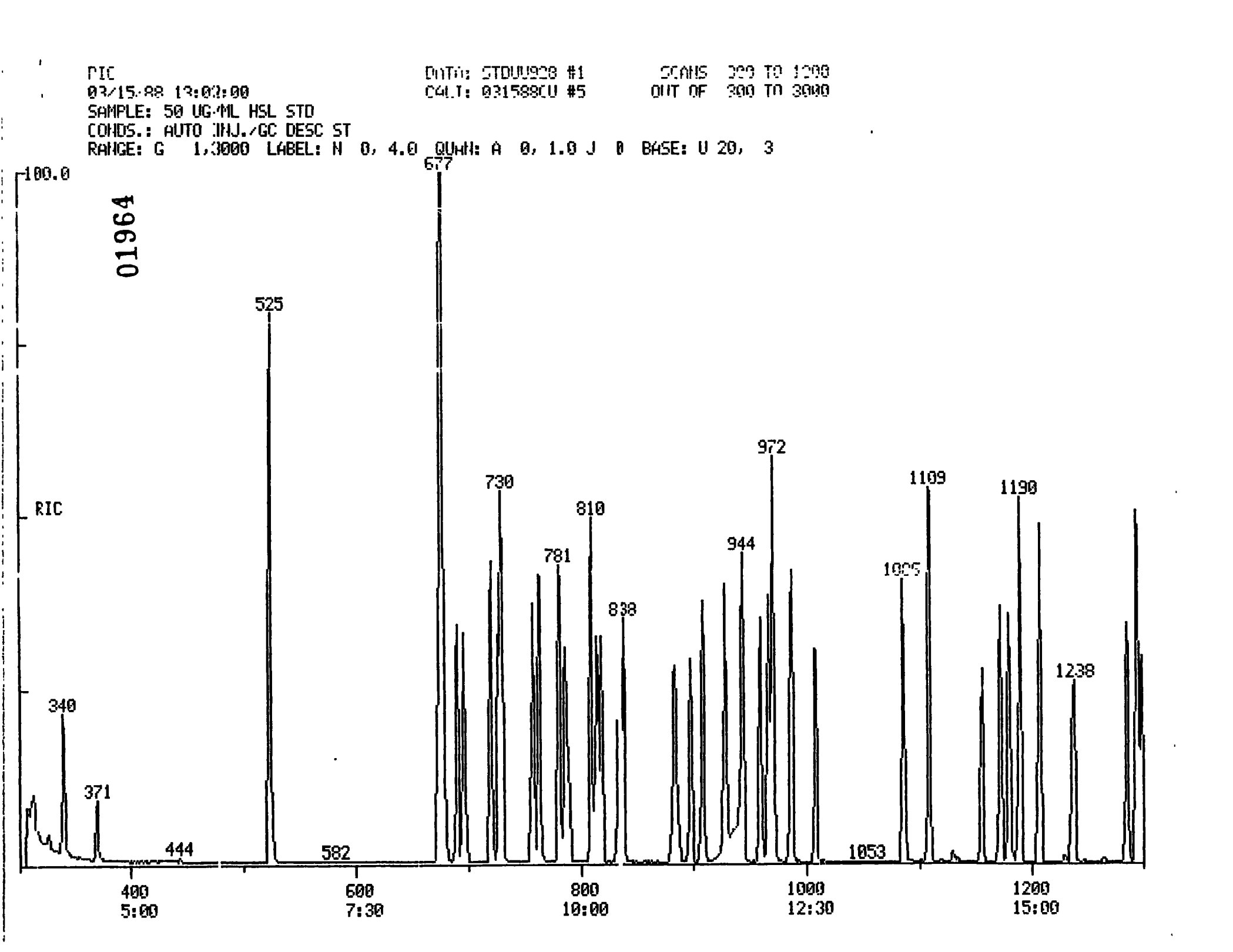
Min Peak Width: 3 Min Frag Width %: 80 Min Area: 30
ADC Threshold: 1 Baseline: 0

***** 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	

3/15/88 13:39:38
ACQUISITION COMPLETED
SCANS 1 TO 3000 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3000	235.5	2250.0	10.5	36773.	12. 16.


PIC
03/15/88 13:02:00
DATA: STDUU920 #1
CALI: 031588CU #5
SCANS 200 TO 1200
OUT OF 300 TO 3000
SAMPLE: 50 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
01964
RIC
677
525
730
810
781
838
944
972
1005
1109
1190
1238
340
371
444
582
1053
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

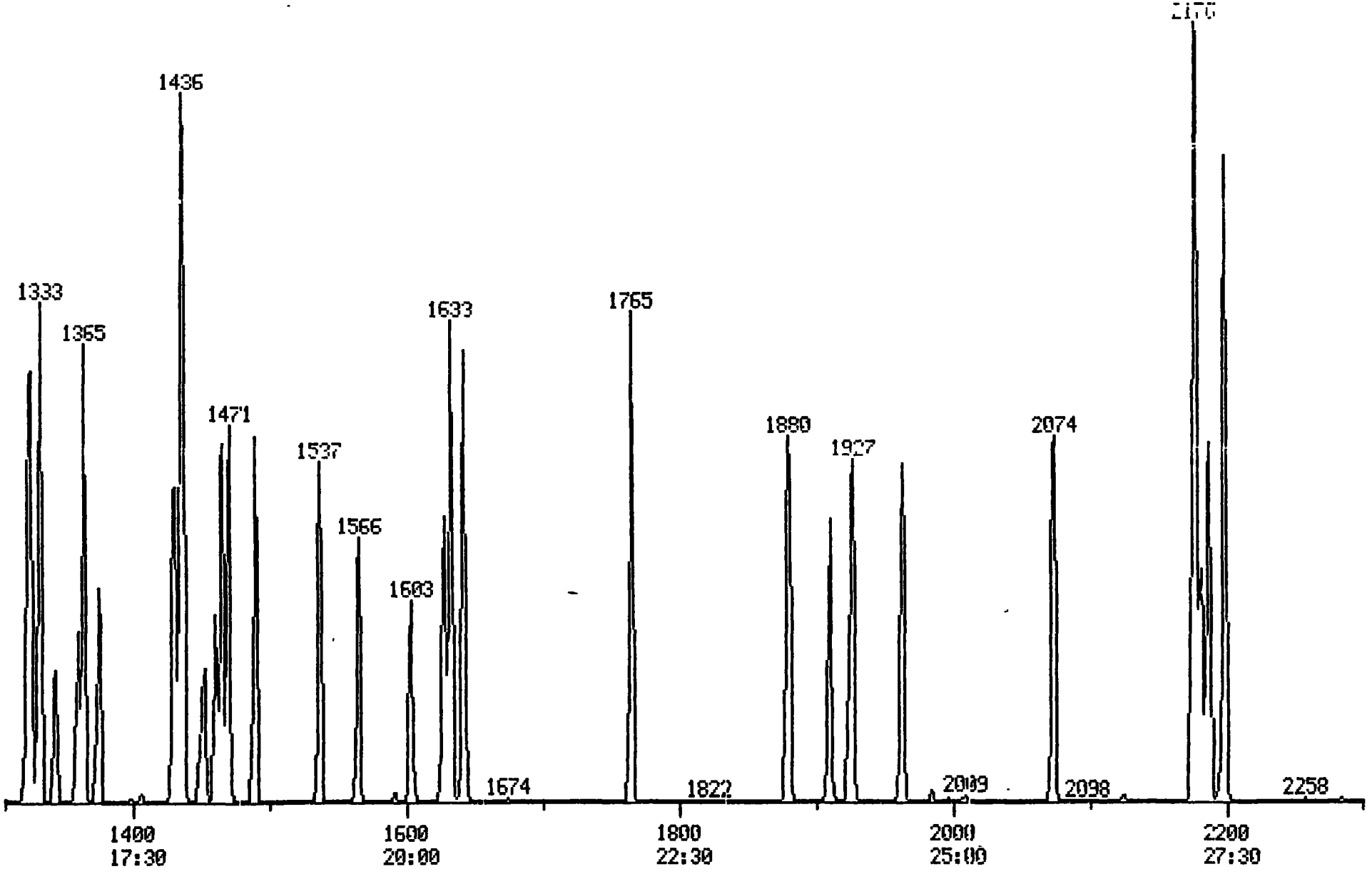
01965

RIC
03/15/88 13:02:00
SAMPLE: 50 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1.3000 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

DATA: STDU1220 #1
CALI: 031588CU #5

SCANS 1300 TO 2300
OUT OF 300 TO 3000

100.0



01966

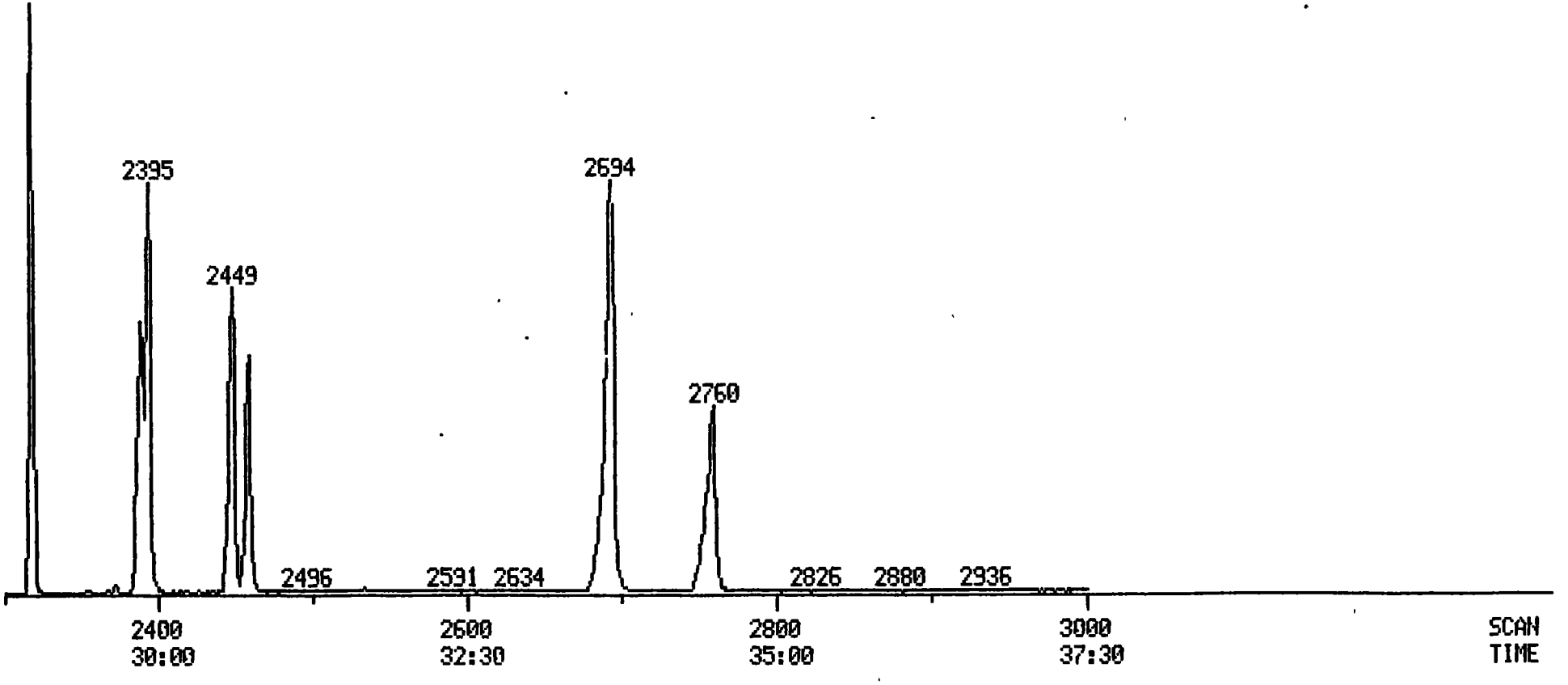
PIC
03/15/88 13:02:00
SAMPLE: 50 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU920 #1
CALI: 031588CU #5

SCANS 2200 TO 3000
OUT OF 300 TO 3000

100.0

104704.



SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

STDUU928
031588CU
03/15/88
50 UG/ML HSL STD

01967

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUR	MATCH	AREA
1	B1	D4-1	152	727	727	0	966	753	93.	14010.
2	B1	N-NI	74	340	343	3	1000	829	99.	21650.
3	B1	PHEN	94	678	676	-2	916	310	69.	40787.
4	B1	ANIL	93	678	678	0	904	603	83.	49435.
5	B1	BIS(	93	691	689	-2	980	832	98.	31928.
6	B1	2-CH	128	696	696	0	990	641	89.	27052.
7	B1	1,3-	146	721	720	-1	996	738	94.	27686.
8	B1	1,4-	146	730	730	0	988	742	94.	30789.
9	B1	BENZ	108	758	756	-2	998	720	93.	16942.
10	B1	1,2-	146	763	763	0	991	735	94.	28303.
11	B1	2-ME	108	781	780	-1	985	769	95.	24619.
12	B1	BIS(	45	787	786	-1	955	566	84.	52557.
				-790		-4	985	452	79.	
13	B1	4-ME	108	810	807	-3	955	649	86.	26403.
14	B1	N-NI	70	815	812	-3	1000	335	74.	23033.
15	B1	HEXA	117	819	819	0	994	871	100.	11684.
16	B1	2-FL	112	525	525	0	999	595	87.	52305.
17	B1	D5-P	99	676	674	-2	962	362	74.	71722.
18	B1	D8-N	136	967	967	0	996	645	90.	53866.
19	B1	NITR	77	838	837	-1	998	840	99.	29707.
20	B1	ISOP	82	884	882	-2	982	580	86.	56861.
21	B1	2-NI	139	898	897	-1	986	607	87.	15113.
22	B1	2,4-	107	707	708	-1	773	678	71.	22737.
23	B1	BIS(	93	727	727	-2	776	802	77.	34291.
24	B1	BENZ	122	744	739	-7	773	172	44.	37777.
				-947		-12	773	122	26.	
25	B1	2,4-	182	744	742	-2	774	348	83.	17809.
26	B1	1,2,	180	760	759	-1	777	639	87.	20673.
27	B1	NAPH	128	771	770	-1	736	731	71.	77104.
28	B1	4-CH	127	788	786	-2	784	387	86.	32686.
29	B1	HEXA	220	1000	1000	0	774	714	73.	10129.
30	B1	4-CH	107	1086	1085	-1	771	642	87.	21731.
31	B1	2-ME	142	1107	1106	-1	771	714	73.	48080.
32	B1	D8-N	82	834	833	-1	778	671	71.	28475.
33	B1	BIS-	184	1328	1329	-1	781	622	88.	28458.
34	B1	HEXA	237	1138	1138	0	775	637	87.	10280.
35	B1	2,4,	178	1173	1172	-1	773	674	71.	12788.
				-1179		-7	965	667	76.	
36	B1	2,4,	178	1180	1180	0	788	609	87.	13886.
				-1173		7	993	581	74.	
37	B1	2-CH	162	1208	1207	-1	765	624	87.	42598.
38	B1	2-NI	68	1238	1236	-2	776	664	90.	15942.
39	B1	DIME	163	1284	1283	-1	770	721	72.	49926.
40	B1	ACEN	152	1273	1273	0	734	761	93.	69280.
41	B1	2,6-	163	1277	1276	-1	773	607	88.	13114.
42	B1	3-NI	138	1324	1322	-2	701	404	73.	13347.
43	B1	ACEN	153	1333	1332	-1	788	667	71.	43773.
44	B1	2,4-	184	1343	1342	-1	771	388	86.	7333.
45	B1	4-NI	107	1361	1358	-3	787	339	84.	8736.
46	B1	DIBE	168	1363	1364	-1	764	668	87.	39396.
47	B1	2,4-	165	1376	1375	-1	996	659	90.	16529.
48	B1	DIET	149	1430	1429	-1	936	782	94.	31085.
49	B1	FLUO	166	1436	1435	-1	728	300	77.	30992.
50	B1	4-CH	204	1437	1437	0	772	371	87.	22233.
51	B1	4-NI	138	1453	1447	-4	782	673	70.	14436.

32	B1	2-PL	172	1170	1170	0	776	382	87.	4647
33	B1	2,4,	330	1470	1487	-1	777	389	86.	10800.
34	B1	D10-	188	1628	1627	-1	772	632	87.	42261.
35	B1	4,6-	178	1461	1438	-3	778	369	83.	10170.
36	B1	N-NI	167	1463	1464	-1	732	604	84.	34777.
37	B1	AZOB	77	1471	1470	-1	744	734	72.	38017.
38	B1	4-BR	248	1337	1337	0	771	677	72.	11391.
39	B1	HEXA	284	1366	1363	-1	786	641	87.	12002.
40	B1	FENT	266	1603	1603	0	784	381	86.	8643.
41	B1	FHEN	178	1633	1633	0	734	728	72.	65312.
42	B1	ANTH	178	1642	1642	0	743	730	71.	67184.
43	B1	DI-N	147	1768	1768	0	737	631	87.	71727.
44	B1	FLUO	202	1889	1889	0	788	722	73.	60886.
45	B1	D12-	240	2181	2180	-1	747	635	88.	32254.
46	B1	BENZ	184	1710	1709	-1	773	497	82.	39081.
47	B1	PYRE	202	1727	1726	-1	764	734	72.	60033.
48	B1	BUTY	147	2073	2073	0	776	646	70.	35771.
49	B1	3,3'	232	2176	2175	-1	777	327	73.	36236.
50	B1	BENZ	228	2176	2176	0	783	300	72.	32370.
				-2187		-11	982	683	49.	
51	B1	BART	228	2187	2186	-1	773	727	73.	46333.
52	B1	B13'	147	2178	2177	-1	771	608	87.	32127.
53	B1	D14-	244	1763	1763	0	774	321	82.	37386.
54	B1	D12-	264	2487	2460	1	763	674	87.	29273.
55	B1	DI-N	147	2317	2316	-3	778	346	83.	81089.
56	B1	BENZ	232	2370	2387	-3	783	761	73.	48339.
				-2395		-8	985	761	71.	
57	B1	BENZ	232	2370	2372	2	787	764	73.	48339.
				-2395		-3	989	764	95.	
58	B1	BENZ	232	2447	2446	-3	777	628	77.	44341.
59	B1	INDE	270	2678	2679	-3	788	340	84.	36037.
60	B1	BIBE	278	2674	2672	-2	764	644	88.	43336.
61	B1	BENO	270	2760	2753	-7	772	810	84.	46130.

01968

Quantitation Report File: STDUU728

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

01969

No	Name				
1	D4-1,4-DICHLOROBENZENE	152	I	B1#	1
2	N-NITROSODIMETHYLAMINE	74		B1#	02
3	PHENOL	94		B1#	03CC
4	ANILINE	93		B1#	04
5	BIS(2-CHLOROETHYL)ETHER	93		B1#	05
6	2-CHLOROPHENOL	128		B1#	06
7	1,3-DICHLOROBENZENE	146		B1#	07
8	1,4-DICHLOROBENZENE	146		B1#	08CC
9	BENZYL ALCOHOL	108		B1#	09
10	1,2-DICHLOROBENZENE	146		B1#	10
11	2-METHYLPHENOL	108		B1#	11
12	BIS(2-CHLOROISOPROPYL)ETHER	45		B1#	12
13	4-METHYLPHENOL	108		B1#	13
14	N-NITROSO-DI-N-PROPYLAMINE	70		B1#	14SP
15	HEXACHLOROETHANE	117		B1#	15
16	2-FLUOROPHENOL	112	S	B1#	16
17	D5-PHENOL	99	S	B1#	17
18	D8-NAPHTHALENE	136	I	B1#	18
19	NITROBENZENE	77		B1#	19
20	ISOPHORONE	82		B1#	20
21	2-NITROPHENOL	139		B1#	21CC
22	2,4-DIMETHYLPHENOL	107		B1#	22
23	BIS(2-CHLOROETHOXY)METHANE	93		B1#	22
24	BENZOIC ACID	122		B1#	24
25	2,4-DICHLOROPHENOL	162		B1#	25CC
26	1,2,4-TRICHLOROBENZENE	180		B1#	26
27	NAPHTHALENE	128		B1#	27
28	4-CHLOROANILINE	127		B1#	28
29	HEXACHLOROBUTADIENE	223		B1#	29CC
30	4-CHLORO-3-METHYLPHENOL	107		B1#	30CC
31	2-METHYLNAPHTHALENE	142		B1#	31
32	D5-NITROBENZENE	82	S	B1#	32
33	D10-ACENAPHTHENE	164	I	B1#	33
34	HEXACHLOROCYCLOPENTADIENE	237		B1#	34SP
35	2,4,6-TRICHLOROPHENOL	196		B1#	35CC
36	2,4,5-TRICHLOROPHENOL	196		B1#	36
37	2-CHLORONAPHTHALENE	162		B1#	37
38	2-NITROANILINE	65		B1#	38
39	DIMETHYL PHTHALATE	163		B1#	39
40	ACENAPHTHALENE	152		B1#	40
41	2,6-DINITROTOLUENE	165		B1#	41
42	3-NITROANILINE	138		B1#	42
43	ACENAPHTHENE	153		B1#	43CC
44	2,4-DINITROPHENOL	184		B1#	44SP
45	4-NITROPHENOL	109		B1#	45SP
46	DIBENZOFURAN	168		B1#	46
47	2,4-DINITROTOLUENE	165		B1#	47
48	DIETHYLPHTHALATE	149		B1#	48
49	FLUORENE	166		B1#	49
50	4-CHLOROPHENYL-PHENYLETHER	204		B1#	50

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	727	9:05	1	1.000	A BB	1401[illegible].	40.000	UG/ML	0.38
2	74	340	4:15	1	0.468	A BB	2165[illegible].	122.849	UG/ML	1.16
3	94	678	8:28	1	0.933	# BV	40787.	132.872	UG/ML	1.26
4	93	678	8:28	1	0.933	# BV	4943[illegible].	139.827	UG/ML	1.32
5	93	691	8:38	1	0.950	# VV	3192[illegible].	124.689	UG/ML	1.18
6	128	696	8:42	1	0.957	A BB	2705[illegible].	124.726	UG/ML	1.18
7	146	721	9:01	1	0.992	# BV	27687.	122.105	UG/ML	1.15
8	146	730	9:07	1	1.004	# VV	30789.	128.838	UG/ML	1.22
9	108	758	9:28	1	1.043	# BV	1694[illegible].	118.965	UG/ML	1.13
10	146	763	9:32	1	1.050	# BV	2830[illegible].	126.250	UG/ML	1.19
11	108	781	9:46	1	1.074	# BV	2462[illegible].	128.245	UG/ML	1.21
12	45	787	9:50	1	1.083	# VB	5255[illegible].	128.204	UG/ML	1.21
13	108	810	10:07	1	1.114	A BB	2640[illegible].	130.609	UG/ML	1.24
14	70	815	10:11	1	1.121	A BB	2303[illegible].	130.597	UG/ML	1.24
15	117	819	10:14	1	1.127	A BB	1168[illegible].	128.640	UG/ML	1.22
16	112	525	6:34	1	0.722	# BV	52305.	263.756	UG/ML	2.49
17	99	676	8:27	1	0.930	# BV	71722.	268.390	UG/ML	2.54
18	136	967	12:05	18	1.000	# BB	5386[illegible].	40.000	UG/ML	0.38
19	77	838	10:28	18	0.867	# BV	2970[illegible].	127.976	UG/ML	1.21
20	82	884	11:03	18	0.914	# BV	5686[illegible].	124.735	UG/ML	1.18
21	139	898	11:13	18	0.929	A BB	1511[illegible].	125.011	UG/ML	1.18
22	107	909	11:22	18	0.940	# BV	2296[illegible].	127.082	UG/ML	1.20
23	93	929	11:37	18	0.961	A BB	3429[illegible].	125.346	UG/ML	1.19
24	122	944	11:48	18	0.976	A BB	3977[illegible].	288.577	UG/ML	2.73
25	162	944	11:48	18	0.976	A BB	1981[illegible].	128.133	UG/ML	1.21
26	180	960	12:00	18	0.993	A BB	2067[illegible].	126.606	UG/ML	1.20
27	128	971	12:08	18	1.004	# BV	7710[illegible].	122.260	UG/ML	1.16
28	127	988	12:21	18	1.022	A BB	32687.	137.053	UG/ML	1.30
29	225	1008	12:36	18	1.042	A BB	1012[illegible].	123.957	UG/ML	1.17
30	107	1086	13:34	18	1.123	A BB	2173[illegible].	128.743	UG/ML	1.22
31	142	1109	13:52	18	1.147	A BB	48081.	128.803	UG/ML	1.22
32	82	834	10:25	18	0.862	A BB	2847[illegible].	126.224	UG/ML	1.19
33	164	1326	16:34	33	1.000	A BB	2845[illegible].	40.000	UG/ML	0.38
34	237	1156	14:27	33	0.872	A BB	10281.	117.731	UG/ML	1.11
35	196	1173	14:40	33	0.885	# BV	1278[illegible].	120.822	UG/ML	1.14
36	196	1180	14:45	33	0.890	# VB	13887.	117.373	UG/ML	1.11
37	162	1208	15:06	33	0.911	A BB	4259[illegible].	118.360	UG/ML	1.12
38	65	1238	15:28	33	0.934	A BB	1594[illegible].	118.953	UG/ML	1.12
39	163	1284	16:03	33	0.968	A BB	4992[illegible].	121.270	UG/ML	1.15
40	152	1293	16:10	33	0.975	A BB	6928[illegible].	121.558	UG/ML	1.15
41	165	1297	16:13	33	0.978	A BB	1311[illegible].	123.560	UG/ML	1.17
42	138	1324	16:33	33	0.998	A BB	1534[illegible].	132.252	UG/ML	1.25
43	153	1333	16:40	33	1.005	A BB	4379[illegible].	120.113	UG/ML	1.14
44	184	1343	16:47	33	1.013	A BB	755[illegible].	129.815	UG/ML	1.23
45	109	1361	17:01	33	1.026	A BB	575[illegible].	119.200	UG/ML	1.13
46	168	1365	17:04	33	1.029	A BB	5939[illegible].	124.195	UG/ML	1.17
47	165	1376	17:12	33	1.038	A BB	1652[illegible].	118.493	UG/ML	1.12
48	149	1430	17:52	33	1.078	# BV	5108[illegible].	116.402	UG/ML	1.10
49	166	1436	17:57	33	1.083	A BB	5099[illegible].	124.773	UG/ML	1.18
50	204	1437	17:58	33	1.084	A BB	2225[illegible].	127.570	UG/ML	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:17	0.99	0.472	0.99	122.85	50.00	1.236	0.503	2.46
3	8:27	1.00	0.930	1.00	132.87	50.00	2.329	0.876	2.66
4	8:28	1.00	0.933	1.00	139.83	50.00	2.823	1.009	2.80

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No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
5	8:37	1.00	0.948	1.00	124.69	50.00	1.823	0.731	2.49
6	8:42	1.00	0.957	1.00	124.73	50.00	1.545	0.619	2.49
7	9:00	1.00	0.990	1.00	122.11	50.00	1.581	0.647	2.44
8	9:07	1.00	1.004	1.00	128.84	50.00	1.758	0.682	2.58
9	9:27	1.00	1.040	1.00	118.96	50.00	0.967	0.407	2.36
10	9:32	1.00	1.050	1.00	126.25	50.00	1.616	0.640	2.53
11	9:45	1.00	1.073	1.00	128.25	50.00	1.406	0.548	2.56
12	9:49	1.00	1.081	1.00	128.20	50.00	3.001	1.170	2.56
13	10:05	1.00	1.110	1.00	130.61	50.00	1.508	0.577	2.61
14	10:09	1.00	1.117	1.00	130.60	50.00	1.315	0.504	2.61
15	10:14	1.00	1.127	1.00	128.64	50.00	0.667	0.259	2.57
16	6:34	1.00	0.722	1.00	263.76	100.00	1.493	0.566	2.64
17	8:25	1.00	0.927	1.00	268.39	100.00	2.048	0.763	2.68
18	12:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
19	10:28	1.00	0.866	1.00	127.98	50.00	0.441	0.172	2.56
20	11:01	1.00	0.912	1.00	124.73	50.00	0.844	0.339	2.49
21	11:13	1.00	0.928	1.00	125.01	50.00	0.224	0.090	2.50
22	11:21	1.00	0.939	1.00	127.08	50.00	0.341	0.134	2.54
23	11:35	1.00	0.959	1.00	125.35	50.00	0.509	0.203	2.51
24	11:41	1.01	0.967	1.01	288.58	50.00	0.591	0.102	5.77
25	11:46	1.00	0.974	1.00	128.13	50.00	0.294	0.115	2.56
26	11:59	1.00	0.992	1.00	126.61	50.00	0.307	0.121	2.53
27	12:07	1.00	1.003	1.00	122.26	50.00	1.145	0.468	2.45
28	12:19	1.00	1.020	1.00	137.05	50.00	0.485	0.177	2.74
29	12:36	1.00	1.042	1.00	123.96	50.00	0.150	0.061	2.48
30	13:34	1.00	1.122	1.00	128.74	50.00	0.323	0.125	2.57
31	13:51	1.00	1.146	1.00	128.80	50.00	0.714	0.277	2.58
32	10:25	1.00	0.861	1.00	126.22	50.00	0.423	0.168	2.52
33	16:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	14:26	1.00	0.872	1.00	117.73	50.00	0.289	0.123	2.35
35	14:38	1.00	0.884	1.00	120.82	50.00	0.359	0.149	2.42
36	14:44	1.00	0.890	1.00	117.37	50.00	0.390	0.166	2.35
37	15:04	1.00	0.910	1.00	118.36	50.00	1.198	0.506	2.37
38	15:26	1.00	0.932	1.00	118.95	50.00	0.448	0.188	2.38
39	16:01	1.00	0.968	1.00	121.27	50.00	1.404	0.579	2.43
40	16:09	1.00	0.975	1.00	121.56	50.00	1.948	0.801	2.43
41	16:11	1.00	0.977	1.00	123.56	50.00	0.369	0.149	2.47
42	16:31	1.00	0.997	1.00	132.25	50.00	0.431	0.163	2.65
43	16:38	1.00	1.005	1.00	120.11	50.00	1.231	0.512	2.40
44	16:46	1.00	1.012	1.00	129.82	50.00	0.212	0.082	2.60
45	16:58	1.00	1.024	1.00	119.20	50.00	0.162	0.068	2.38
46	17:02	1.00	1.029	1.00	124.19	50.00	1.670	0.672	2.48
47	17:10	1.00	1.037	1.00	118.49	50.00	0.465	0.196	2.37
48	17:51	1.00	1.078	1.00	116.40	50.00	1.436	0.617	2.33
49	17:55	1.00	1.082	1.00	124.77	50.00	1.433	0.574	2.50
50	17:57	1.00	1.084	1.00	127.57	50.00	0.626	0.245	2.55

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Quantitation Report File: STDUU928

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

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No	Name		
51	4-NITROANILINE	138 B1#	51
52	2-FLUOROBIPHENYL	172SB1#	52
53	2,4,6-TRIBROMOPHENOL	330SB1#	53
54	D10-PHENANTHRENE	188IB1#	54
55	4,6-DINITRO-2-METHYLPHENOL	198 B1#	55
56	N-NITROSODIPHENYLAMINE	169 B1#	56CC
57	AZOBENENE	77 B1#	57
58	4-BROMOPHENYL-PHENYLETHER	248 B1#	58
59	HEXACHLOROBENZENE	284 B1#	59
60	PENTACHLOROPHENOL	266 B1#	60CC
61	PHENANTHRENE	178 B1#	61
62	ANTHRACENE	178 B1#	62
63	DI-N-BUTYLPHTHALATE	149 B1#	63
64	FLUORANTHENE	202 B1#	64CC
65	D12-CHRYSENE	240IB1#	65
66	BENZIDINE	184 B1#	66
67	PYRENE	202 B1#	67
68	BUTYLBENZYLPHTHALATE	149 B1#	68
69	3,3'-DICHLOROBENZIDINE	252 B1#	69
70	BENZO(A)ANTHRACENE	228 B1#	70
71	CHRYSENE	228 B1#	71
72	BIS(2-ETHYLHEXYL)PHTHALATE	149 B1#	72
73	D14-TERPHENYL	244SB1#	73
74	D12-PERYLENE	264IB1#	74
75	DI-N-OCTYL PHTHALATE	149 B1#	75CC
76	BENZO(B)FLUORANTHENE	252 B1#	76
77	BENZO(K)FLUORANTHENE	252 B1#	77
78	BENZO(A)PYRENE	252 B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276 B1#	79
80	DIBENZ(A,H)ANTHRACENE	278 B1#	80
81	BENO(GHI)PERYLENE	276 B1#	81

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	138	1453	18:10	33	1.096	A BB	14437.	120.286	UG/ML	1.14
52	172	1190	14:52	33	0.897	A BB	4649[illegible].	120.562	UG/ML	1.14
53	330	1490	18:37	33	1.124	A BB	1080[illegible].	233.118	UG/ML	2.20
54	188	1628	20:21	54	1.000	# BV	42261.	40.000	UG/ML	0.38
55	198	1461	18:16	54	0.897	A BB	10171.	129.110	UG/ML	1.22
56	169	1465	18:19	54	0.900	A BB	34777.	129.629	UG/ML	1.23
57	77	1471	18:23	54	0.904	# VB	58017.	130.384	UG/ML	1.23
58	248	1537	19:13	54	0.944	A BB	11391.	127.320	UG/ML	1.20
59	284	1566	19:34	54	0.962	A BB	12002.	123.197	UG/ML	1.17
60	266	1603	20:02	54	0.985	A BB	8643.	128.047	UG/ML	1.21
61	178	1633	20:25	54	1.003	# BV	65512.	130.395	UG/ML	1.23
62	178	1642	20:31	54	1.009	# VB	67185.	126.388	UG/ML	1.20
63	149	1765	22:04	54	1.084	A BB	91728.	129.198	UG/ML	1.22
64	202	1880	23:30	54	1.155	A BB	60887.	118.659	UG/ML	1.12
65	240	2181	27:16	65	1.000	A BB	32254.	40.000	UG/ML	0.38
66	184	1910	23:52	65	0.876	A BB	39081.	306.814	UG/ML	2.90
67	202	1927	24:05	65	0.884	# BB	60053.	128.758	UG/ML	1.22
68	149	2073	25:55	65	0.950	A BB	35771.	129.523	UG/ML	1.22
69	252	2176	27:12	65	0.998	# BV	36236.	257.407	UG/ML	2.43

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
70	228	2176	27:12	65	0.998	# BV	52370.	124.319	UG/ML	1.18
71	228	2187	27:20	65	1.003	# VV	46334.	118.550	UG/ML	1.12
72	149	2198	27:28	65	1.008	# BB	52128.	134.532	UG/ML	1.27
73	244	1963	24:32	65	0.900	# BV	37586.	132.205	UG/ML	1.25
74	264	2459	30:44	74	1.000	A BB	29273.	40.000	UG/ML	0.38
75	149	2319	28:59	74	0.943	# BV	81090.	105.895	UG/ML	1.00
76	252	2390	29:52	74	0.972	# BV	48339.	114.938	UG/ML	1.09
77	252	2390	29:52	74	0.972	# BV	48339.	108.937	UG/ML	1.03
78	252	2449	30:37	74	0.996	# BV	44342.	120.150	UG/ML	1.14
79	276	2693	33:40	74	1.095	# BV	56057.	157.016	UG/ML	1.48
80	278	2694	33:40	74	1.096	# BV	45336.	158.476	UG/ML	1.50
81	276	2760	34:30	74	1.122	A BB	46131.	157.253	UG/ML	1.49

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:06	1.00	1.093	1.00	120.29	50.00	0.406	0.169	2.41
52	14:52	1.00	0.897	1.00	120.56	50.00	1.307	0.542	2.41
53	18:36	1.00	1.123	1.00	233.12	100.00	0.152	0.065	2.33
54	20:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
55	18:13	1.00	0.896	1.00	129.11	50.00	0.193	0.075	2.58
56	18:17	1.00	0.899	1.00	129.63	50.00	0.658	0.254	2.59
57	18:22	1.00	0.903	1.00	130.38	50.00	1.098	0.421	2.61
58	19:12	1.00	0.944	1.00	127.32	50.00	0.216	0.085	2.55
59	19:33	1.00	0.961	1.00	123.20	50.00	0.227	0.092	2.46
60	20:01	1.00	0.985	1.00	128.05	50.00	0.164	0.064	2.56
61	20:24	1.00	1.003	1.00	130.39	50.00	1.240	0.476	2.61
62	20:31	1.00	1.009	1.00	126.39	50.00	1.272	0.503	2.53
63	22:03	1.00	1.084	1.00	129.20	50.00	1.736	0.672	2.58
64	23:29	1.00	1.155	1.00	118.66	50.00	1.153	0.486	2.37
65	27:15	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
66	23:51	1.00	0.875	1.00	306.81	100.00	0.485	0.158	3.07
67	24:04	1.00	0.883	1.00	128.76	50.00	1.489	0.578	2.58
68	25:54	1.00	0.950	1.00	129.52	50.00	0.887	0.342	2.59
69	27:10	1.00	0.997	1.00	257.41	100.00	0.449	0.175	2.57
70	27:11	1.00	0.998	1.00	124.32	50.00	1.299	0.522	2.49
71	27:19	1.00	1.002	1.00	118.55	50.00	1.149	0.485	2.37
72	27:27	1.00	1.007	1.00	134.53	50.00	1.293	0.481	2.69
73	24:31	1.00	0.900	1.00	132.20	50.00	0.932	0.353	2.64
74	30:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
75	28:58	1.00	0.942	1.00	105.90	50.00	2.216	1.046	2.12
76	29:51	1.00	0.971	1.00	114.94	50.00	1.321	0.575	2.30
77	29:55	1.00	0.973	1.00	108.94	50.00	1.321	0.606	2.18
78	30:35	1.00	0.995	1.00	120.15	50.00	1.212	0.504	2.40
79	33:38	1.00	1.094	1.00	157.02	50.00	1.532	0.488	3.14
80	33:40	1.00	1.095	1.00	158.48	50.00	1.239	0.391	3.17
81	34:25	1.00	1.120	1.00	157.25	50.00	1.261	0.401	3.15

01973

QUANTITATION REPORT FILE: STD00728

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

01974

NO	NAME				
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1	
2	D8-NAPHTHALENE	136	IB1#	18	
3	D10-ACENAPHTHENE	164	IB1#	33	
4	D10-PHENANTHRENE	188	IB1#	54	
5	D12-CHRYSENE	240	IB1#	65	
6	D12-PERYLENE	264	IB1#	74	
7	D5-NITROBENZENE	82	SB1#	32	
8	2-FLUOROBIPHENYL	172	SB1#	52	
9	D14-TERPHENYL	244	SB1#	73	
10	D5-PHENOL	99	SB1#	17	
11	2-FLUOROPHENOL	112	SB1#	16	
12	2,4,6-TRIBROMOPHENOL	330	SB1#	53	
13	N-NITROSODIMETHYLAMINE	74	B1#	02	
14	PHENOL	94	B1#	03	CC
15	ANILINE	93	B1#	04	
16	BIS(2-CHLOROETHYL)ETHER	93	B1#	05	
17	2-CHLOROPHENOL	128	B1#	06	
18	1,3-DICHLOROBENZENE	146	B1#	07	
19	1,4-DICHLOROBENZENE	146	B1#	08	CC
20	BENZYL ALCOHOL	108	B1#	09	
21	1,2-DICHLOROBENZENE	146	B1#	10	
22	2-METHYLPHENOL	108	B1#	11	
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12	
24	4-METHYLPHENOL	108	B1#	13	
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14	SP
26	HEXACHLOROETHANE	117	B1#	15	
27	NITROBENZENE	77	B1#	19	
28	ISOPHORONE	82	B1#	20	
29	2-NITROPHENOL	139	B1#	21	CC
30	2,4-DIMETHYLPHENOL	107	B1#	22	
31	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22	
32	BENZOIC ACID	122	B1#	24	
33	2,4-DICHLOROPHENOL	162	B1#	25	CC
34	1,2,4-TRICHLOROBENZENE	180	B1#	26	
35	NAPHTHALENE	128	B1#	27	
36	4-CHLOROANILINE	127	B1#	28	
37	HEXACHLOROBUTADIENE	223	B1#	29	CC
38	4-CHLORO-3-METHYLPHENOL	107	B1#	30	CC
39	2-METHYLNAPHTHALENE	142	B1#	31	
40	HEXACHLOROCYCLOPENTADIENE	237	B1#	34	SP
41	2,4,6-TRICHLOROPHENOL	196	B1#	35	CC
42	2,4,5-TRICHLOROPHENOL	196	B1#	36	
43	2-CHLORONAPHTHALENE	162	B1#	37	
44	2-NITROANILINE	65	B1#	38	
45	DIMETHYL PHTHALATE	163	B1#	39	
46	ACENAPHTHALENE	152	B1#	40	
47	2,6-DINITROTOLUENE	165	B1#	41	
48	3-NITROANILINE	138	B1#	42	
49	ACENAPHTHENE	153	B1#	43	CC
50	2,4-DINITROPHENOL	184	B1#	44	SP
51	4-NITROPHENOL	109	B1#	45	SP
52	DIBENZOFURAN	168	B1#	46	
53	2,4-DINITROTOLUENE	165	B1#	47	

01975

NO	NAME			
54	DIETHYLPHTHALATE	149	B1#	48
55	FLUORENE	166	B1#	49
56	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50
57	4-NITROANILINE	138	B1#	51
58	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55
59	N-NITROSODIPHENYLAMINE	169	B1#	56CC
60	AZOBENENE	77	B1#	57
61	4-BROMOPHENYL-PHENYLETHER	248	B1#	58
62	HEXACHLOROBENZENE	284	B1#	59
63	PENTACHLOROPHENOL	266	B1#	60CC
64	PHENANTHRENE	178	B1#	61
65	ANTHRACENE	178	B1#	62
66	DI-N-BUTYLPHTHALATE	149	B1#	63
67	FLUORANTHENE	202	B1#	64CC
68	BENZIDINE	184	B1#	66
69	PYRENE	202	B1#	67
70	BUTYLBENZYLPHTHALATE	149	B1#	68
71	3,3'-DICHLOROBENZIDINE	252	B1#	69
72	BENZO(A)ANTHRACENE	228	B1#	70
73	CHRYSENE	228	B1#	71
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC
76	BENZO(B)FLUORANTHENE	252	B1#	76
77	BENZO(K)FLUORANTHENE	252	B1#	77
78	BENZO(A)PYRENE	252	B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80
81	BENO(GHI)PERYLENE	276	B1#	81

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA:HGHT)	AMOUNT		%TOT
1	152	727	9:05	1	1.000	A BB	14010.	40.000	UG/ML	0.38
2	136	967	12:05	2	1.000	# BB	53866.	40.000	UG/ML	0.38
3	164	1326	16:34	3	1.000	A BB	28458.	40.000	UG/ML	0.38
4	188	1628	20:21	4	1.000	# BV	42261.	40.000	UG/ML	0.38
5	240	2181	27:16	5	1.000	A BB	32254.	40.000	UG/ML	0.38
6	264	2459	30:44	6	1.000	A BB	29273.	40.000	UG/ML	0.38
7	82	834	10:25	2	0.862	A BB	26476.	126.224	UG/ML	1.19
8	172	1190	14:52	3	0.897	A BB	46496.	120.562	UG/ML	1.14
9	244	1963	24:32	5	0.900	# BV	37586.	132.205	UG/ML	1.25
10	99	676	8:27	1	0.930	# BV	71722.	268.390	UG/ML	2.54
11	112	525	6:34	1	0.722	# BV	52305.	263.756	UG/ML	2.49
12	330	1490	18:37	3	1.124	A BB	10800.	233.118	UG/ML	2.20
13	74	340	4:15	1	0.468	A BB	21650.	122.849	UG/ML	1.16
14	94	678	8:28	1	0.933	# BV	40767.	132.872	UG/ML	1.26
15	93	678	8:28	1	0.933	# BV	49436.	139.827	UG/ML	1.32
16	93	691	8:38	1	0.950	# VV	31928.	124.689	UG/ML	1.18
17	128	696	8:42	1	0.957	A BB	27052.	124.726	UG/ML	1.18
18	146	721	9:01	1	0.992	# BV	27687.	122.105	UG/ML	1.15
19	146	730	9:07	1	1.004	# VV	30789.	128.838	UG/ML	1.22
20	108	758	9:28	1	1.043	# BV	16943.	118.965	UG/ML	1.13
21	146	763	9:32	1	1.050	# BV	28303.	126.250	UG/ML	1.19
22	108	781	9:46	1	1.074	# BV	24620.	128.245	UG/ML	1.21
23	45	787	9:50	1	1.083	# VB	32557.	128.204	UG/ML	1.21
24	108	810	10:07	1	1.114	A BB	26403.	130.609	UG/ML	1.24
25	70	815	10:11	1	1.121	A BB	23033.	130.597	UG/ML	1.24
26	117	819	10:14	1	1.127	A BB	11684.	128.640	UG/ML	1.22

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
27	77	838	10:28	2	0.867	# BV	29708.	127.976	UG/ML	1.21
28	82	884	11:03	2	0.914	# BV	56862.	124.735	UG/ML	1.18
29	139	898	11:13	2	0.929	A BB	15113.	125.011	UG/ML	1.18
30	107	909	11:22	2	0.940	# BV	22960.	127.082	UG/ML	1.20
31	93	929	11:37	2	0.961	A BB	34291.	125.346	UG/ML	1.19
32	122	944	11:48	2	0.976	A BB	39777.	288.577	UG/ML	2.73
33	162	944	11:48	2	0.976	A BB	19810.	128.133	UG/ML	1.21
34	180	960	12:00	2	0.993	A BB	20674.	126.606	UG/ML	1.20
35	128	971	12:08	2	1.004	# BV	77105.	122.260	UG/ML	1.16
36	127	988	12:21	2	1.022	A BB	32687.	137.053	UG/ML	1.30
37	225	1008	12:36	2	1.042	A BB	10129.	123.957	UG/ML	1.17
38	107	1086	13:34	2	1.123	A BB	21732.	128.743	UG/ML	1.22
39	142	1109	13:52	2	1.147	A BB	48061.	128.803	UG/ML	1.22
40	237	1156	14:27	3	0.872	A BB	10261.	117.731	UG/ML	1.11
41	196	1173	14:40	3	0.885	# BV	12788.	120.822	UG/ML	1.14
42	196	1180	14:45	3	0.890	# VB	13887.	117.373	UG/ML	1.11
43	162	1208	15:06	3	0.911	A BB	42599.	118.360	UG/ML	1.12
44	65	1238	15:28	3	0.934	A BB	15942.	118.953	UG/ML	1.13
45	163	1284	16:03	3	0.968	A BB	49927.	121.270	UG/ML	1.15
46	152	1293	16:10	3	0.975	A BB	69281.	121.558	UG/ML	1.15
47	165	1297	16:13	3	0.978	A BB	13115.	123.560	UG/ML	1.17
48	138	1324	16:33	3	0.998	A BB	15348.	132.252	UG/ML	1.25
49	153	1333	16:40	3	1.005	A BB	43796.	120.113	UG/ML	1.14
50	184	1343	16:47	3	1.013	A BB	7555.	129.815	UG/ML	1.23
51	109	1361	17:01	3	1.026	A BB	5756.	119.200	UG/ML	1.13
52	168	1365	17:04	3	1.029	A BB	59396.	124.195	UG/ML	1.17
53	165	1376	17:12	3	1.038	A BB	16529.	118.493	UG/ML	1.12
54	149	1430	17:52	3	1.078	# BV	51086.	116.402	UG/ML	1.10
55	166	1436	17:57	3	1.083	A BB	50993.	124.773	UG/ML	1.18
56	204	1437	17:58	3	1.084	A BB	22255.	127.570	UG/ML	1.21
57	138	1453	18:10	3	1.096	A BB	14437.	120.286	UG/ML	1.14
58	198	1461	18:16	4	0.897	A BB	10171.	129.110	UG/ML	1.22
59	169	1465	18:19	4	0.900	A BB	34777.	129.629	UG/ML	1.23
60	77	1471	18:23	4	0.904	# VB	58017.	130.384	UG/ML	1.23
61	248	1537	19:13	4	0.944	A BB	11391.	127.320	UG/ML	1.20
62	284	1566	19:34	4	0.962	A BB	12062.	123.197	UG/ML	1.17
63	266	1603	20:02	4	0.985	A BB	8643.	128.047	UG/ML	1.21
64	178	1633	20:25	4	1.003	# BV	65512.	130.395	UG/ML	1.23
65	178	1642	20:31	4	1.009	# VB	67185.	126.388	UG/ML	1.20
66	149	1765	22:04	4	1.084	A BB	91728.	129.198	UG/ML	1.22
67	202	1880	23:30	4	1.155	A BB	60887.	118.659	UG/ML	1.12
68	184	1910	23:52	5	0.876	A BB	39081.	306.814	UG/ML	2.90
69	202	1927	24:05	5	0.884	# BB	60053.	128.758	UG/ML	1.22
70	149	2073	25:55	5	0.950	A BB	35771.	129.523	UG/ML	1.22
71	252	2176	27:12	5	0.998	# BV	36236.	257.407	UG/ML	2.43
72	228	2176	27:12	5	0.998	# BV	52370.	124.319	UG/ML	1.18
73	228	2187	27:20	5	1.003	# VV	46384.	118.550	UG/ML	1.12
74	149	2198	27:28	5	1.008	# BB	52128.	134.532	UG/ML	1.27
75	149	2319	28:59	6	0.943	# BV	81090.	105.895	UG/ML	1.00
76	252	2390	29:52	6	0.972	# BV	48339.	114.938	UG/ML	1.09
77	252	2390	29:52	6	0.972	# BV	48339.	108.937	UG/ML	1.03
78	252	2449	30:37	6	0.996	# BV	44342.	120.150	UG/ML	1.14
79	276	2693	33:40	6	1.095	# BV	56057.	157.016	UG/ML	1.48
80	278	2694	33:40	6	1.096	# BV	45336.	158.476	UG/ML	1.50
81	276	2760	34:30	6	1.122	A BB	46131.	157.253	UG/ML	1.49

01976

RMAL QUANTITATION SUMMARY FILE: STDUU928
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

01977

NO	NAME		SCAN	REF	RRT	FRF	AMOUNT	UNITS
1	D4-1,4-DICHLOROBENZENE	152IB1# 1	727	1	1.000	1.000	40.000	UG/ML
2	D8-NAPHTHALENE	136IB1# 18	967	2	1.000	1.000	40.000	UG/ML
3	D10-ACENAPHTHENE	164IB1# 33	1326	3	1.000	1.000	40.000	UG/ML
4	D10-PHENANTHRENE	188IB1# 54	1628	4	1.000	1.000	40.000	UG/ML
5	D12-CHRYSENE	240IB1# 65	2181	5	1.000	1.000	40.000	UG/ML
6	D12-PERYLENE	264IB1# 74	2459	6	1.000	1.000	40.000	UG/ML
7	D5-NITROBENZENE	82SB1# 32	834	2	0.862	0.423	126.224	UG/ML
8	2-FLUOROBIPHENYL	172SB1# 52	1190	3	0.897	1.307	120.562	UG/ML
9	D14-TERPHENYL	244SB1# 73	1963	5	0.900	0.932	132.205	UG/ML
10	D5-PHENOL	99SB1# 17	676	1	0.930	2.048	268.390	UG/ML
11	2-FLUOROPHENOL	112SB1# 16	525	1	0.722	1.493	263.756	UG/ML
12	2,4,6-TRIBROMOPHENOL	330SB1# 53	1490	3	1.124	0.152	233.118	UG/ML
13	N-NITROSODIMETHYLAMINE	74 B1# 02	340	1	0.468	1.236	122.849	UG/ML
14	PHENOL	94 B1# 03CC	678	1	0.933	2.329	132.872	UG/ML
15	ANILINE	93 B1# 04	678	1	0.933	2.823	139.827	UG/ML
16	BIS(2-CHLOROETHYL)ETHER	93 B1# 05	691	1	0.950	1.823	124.689	UG/ML
17	2-CHLOROPHENOL	128 B1# 06	696	1	0.957	1.545	124.726	UG/ML
18	1,3-DICHLOROBENZENE	146 B1# 07	721	1	0.992	1.581	122.105	UG/ML
19	1,4-DICHLOROBENZENE	146 B1# 08CC	730	1	1.004	1.758	128.838	UG/ML
20	BENZYL ALCOHOL	108 B1# 09	758	1	1.043	0.967	118.965	UG/ML
21	1,2-DICHLOROBENZENE	146 B1# 10	763	1	1.050	1.616	126.250	UG/ML
22	2-METHYLPHENOL	108 B1# 11	781	1	1.074	1.406	128.245	UG/ML
23	BIS(2-CHLOROISOPROPYL)ETHER	45 B1# 12	787	1	1.083	3.001	128.204	UG/ML
24	4-METHYLPHENOL	108 B1# 13	810	1	1.114	1.508	130.609	UG/ML
25	N-NITROSO-DI-N-PROPYLAMINE	70 B1# 14SP	815	1	1.121	1.315	130.597	UG/ML
26	HEXACHLOROETHANE	117 B1# 15	819	1	1.127	0.667	128.640	UG/ML
27	NITROBENZENE	77 B1# 19	838	2	0.867	0.441	127.976	UG/ML
28	ISOPHORONE	82 B1# 20	884	2	0.914	0.844	124.735	UG/ML
29	2-NITROPHENOL	139 B1# 21CC	898	2	0.929	0.224	125.011	UG/ML
30	2,4-DIMETHYLPHENOL	107 B1# 22	909	2	0.940	0.341	127.082	UG/ML
31	BIS(2-CHLOROETHOXY)METHANE	93 B1# 23	929	2	0.961	0.509	125.346	UG/ML
32	BENZOIC ACID	122 B1# 24	944	2	0.976	0.591	288.577	UG/ML
33	2,4-DICHLOROPHENOL	162 B1# 25CC	944	2	0.976	0.294	128.133	UG/ML
34	1,2,4-TRICHLOROBENZENE	180 B1# 26	960	2	0.993	0.307	126.606	UG/ML
35	NAPHTHALENE	128 B1# 27	971	2	1.004	1.145	122.260	UG/ML
36	4-CHLOROANILINE	127 B1# 28	988	2	1.022	0.485	137.053	UG/ML
37	HEXACHLOROBUTADIENE	223 B1# 29CC	1008	2	1.042	0.150	123.957	UG/ML
38	4-CHLORO-3-METHYLPHENOL	107 B1# 30CC	1066	2	1.123	0.323	128.743	UG/ML
39	2-METHYLNAPHTHALENE	142 B1# 31	1109	2	1.147	0.714	128.803	UG/ML
40	HEXACHLOROCYCLOPENTADIENE	237 B1# 34SP	1156	3	0.872	0.289	117.731	UG/ML
41	2,4,6-TRICHLOROPHENOL	196 B1# 35CC	1173	3	0.885	0.359	120.822	UG/ML
42	2,4,5-TRICHLOROPHENOL	196 B1# 36	1180	3	0.890	0.390	117.373	UG/ML
43	2-CHLORONAPHTHALENE	162 B1# 37	1208	3	0.911	1.198	118.360	UG/ML
44	2-NITROANILINE	65 B1# 38	1238	3	0.934	0.448	118.953	UG/ML
45	DIMETHYL PHTHALATE	163 B1# 39	1264	3	0.968	1.404	121.270	UG/ML
46	ACENAPHTHALENE	152 B1# 40	1293	3	0.975	1.948	121.558	UG/ML
47	2,6-DINITROTOLUENE	165 B1# 41	1297	3	0.978	0.369	123.560	UG/ML
48	3-NITROANILINE	138 B1# 42	1324	3	0.998	0.431	132.252	UG/ML
49	ACENAPHTHENE	153 B1# 43CC	1333	3	1.005	1.231	120.113	UG/ML
50	2,4-DINITROPHENOL	184 B1# 44SP	1343	3	1.013	0.212	129.815	UG/ML
51	4-NITROPHENOL	109 B1# 45SP	1361	3	1.026	0.162	119.200	UG/ML
52	DIBENZOFURAN	168 B1# 46	1365	3	1.029	1.670	124.195	UG/ML
53	2,4-DINITROTOLUENE	165 B1# 47	1376	3	1.038	0.465	118.493	UG/ML
54	DIETHYLPHTHALATE	149 B1# 48	1430	3	1.078	1.436	116.402	UG/ML
55	FLUORENE	166 B1# 49	1436	3	1.083	1.433	124.773	UG/ML
56	4-CHLOROPHENYL-PHENYLETHER	204 B1# 50	1437	3	1.084	0.626	127.570	UG/ML
57	4-NITROANILINE	138 B1# 51	1453	3	1.096	0.406	120.286	UG/ML
58	4,6-DINITRO-2-METHYLPHENOL	198 B1# 55	1461	4	0.897	0.193	129.110	UG/ML
59	N-NITROSODIPHENYLAMINE	169 B1# 56CC	1465	4	0.900	0.658	129.629	UG/ML
60	AZOBENENE	77 B1# 57	1471	4	0.904	1.098	130.384	UG/ML
61	4-BROMOPHENYL-PHENYLETHER	248 B1# 58	1537	4	0.944	0.216	127.320	UG/ML

63	PENTACHLOROPHENOL	266	B1#	60CC	1603	4	0.985	0.164	128.047 UG/ML
64	PHENANTHRENE	178	B1#	61	1623	4	1.003	1.240	130.395 UG/ML
65	ANTHRACENE	178	B1#	62	1642	4	1.009	1.272	126.388 UG/ML
66	DI-N-BUTYLPHTHALATE	149	B1#	63	1765	4	1.084	1.736	129.198 UG/ML
67	FLUORANTHENE	202	B1#	64CC	1860	4	1.155	1.153	118.659 UG/ML
68	BENZIDINE	184	B1#	66	1910	5	0.876	0.485	306.814 UG/ML
69	PYRENE	202	B1#	67	1927	5	0.884	1.489	128.758 UG/ML
70	BUTYLBENZYLPHTHALATE	149	B1#	68	2073	5	0.950	0.887	129.523 UG/ML
71	3,3'-DICHLOROBENZIDINE	252	B1#	69	2176	5	0.998	0.449	257.407 UG/ML
72	BENZO(A)ANTHRACENE	228	B1#	70	2176	5	0.998	1.299	124.319 UG/ML
73	CHRYSENE	228	B1#	71	2187	5	1.003	1.149	118.550 UG/ML
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	2198	5	1.008	1.293	134.532 UG/ML
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC	2319	6	0.943	2.216	105.895 UG/ML
76	BENZO(B)FLUORANTHENE	252	B1#	76	2390	6	0.972	1.321	114.938 UG/ML
77	BENZO(K)FLUORANTHENE	252	B1#	77	2390	6	0.972	1.321	108.937 UG/ML
78	BENZO(A)PYRENE	252	B1#	78CC	2449	6	0.996	1.212	120.150 UG/ML
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	2693	6	1.095	1.532	157.016 UG/ML
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	2694	6	1.096	1.239	158.476 UG/ML
81	BENO(GHI)PERYLENE	276	B1#	81	2760	6	1.122	1.261	157.253 UG/ML

QUANTITATION REPORT FILE: STDUU928

DATA: STDUU928.TI
03/15/88 13:02:00
SAMPLE: 50 UG/ML HSL STD
SUBMITTED BY: RMAL ANALYST: KS

01979

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

NO	NAME			
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1
2	D8-NAPHTHALENE	136	IB1#	18
3	D10-ACENAPHTHENE	164	IB1#	33
4	D10-PHENANTHRENE	188	IB1#	54
5	D12-CHRYSENE	240	IB1#	65
6	D12-PERYLENE	264	IB1#	74
7	D5-NITROBENZENE	82	SB1#	32
8	2-FLUOROBIPHENYL	172	SB1#	52
9	D14-TERPHENYL	244	SB1#	73
10	D5-PHENOL	99	SB1#	17
11	2-FLUOROPHENOL	112	SB1#	16
12	2,4,6-TRIBROMOPHENOL	330	SB1#	53
13	N-NITROSODIMETHYLAMINE	74	B1#	02
14	PHENOL	94	B1#	03CC
15	ANILINE	93	B1#	04
16	BIS(2-CHLOROETHYL)ETHER	93	B1#	05
17	2-CHLOROPHENOL	128	B1#	06
18	1,3-DICHLOROBENZENE	146	B1#	07
19	1,4-DICHLOROBENZENE	146	B1#	08CC
20	BENZYL ALCOHOL	108	B1#	09
21	1,2-DICHLOROBENZENE	146	B1#	10
22	2-METHYLPHENOL	108	B1#	11
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12
24	4-METHYLPHENOL	108	B1#	13
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14SP
26	HEXACHLOROETHANE	117	B1#	15
27	NITROBENZENE	77	B1#	19
28	ISOPHORONE	82	B1#	20
29	2-NITROPHENOL	139	B1#	21CC
30	2,4-DIMETHYLPHENOL	107	B1#	22
31	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22
32	BENZOIC ACID	122	B1#	24
33	2,4-DICHLOROPHENOL	162	B1#	25CC
34	1,2,4-TRICHLOROBENZENE	180	B1#	26
35	NAPHTHALENE	128	B1#	27
36	4-CHLOROANILINE	127	B1#	28
37	HEXACHLOROBUTADIENE	223	B1#	29CC
38	4-CHLORO-3-METHYLPHENOL	107	B1#	30CC
39	2-METHYLNAPHTHALENE	142	B1#	31
40	HEXACHLOROCYCLOPENTADIENE	237	B1#	34SP
41	2,4,6-TRICHLOROPHENOL	196	B1#	35CC
42	2,4,5-TRICHLOROPHENOL	196	B1#	36
43	2-CHLORONAPHTHALENE	162	B1#	37
44	2-NITROANILINE	65	B1#	38
45	DIMETHYL PHTHALATE	163	B1#	39
46	ACENAPHTHALENE	152	B1#	40

NO	NAME			
47	2,6-DINITROTOLUENE	165	B1#	41
48	3-NITROANILINE	138	B1#	42
49	ACENAPHTHENE	153	B1#	43CC
50	2,4-DINITROPHENOL	184	B1#	44SP
51	4-NITROPHENOL	109	B1#	45SP
52	DIBENZOFURAN	168	B1#	46
53	2,4-DINITROTOLUENE	165	B1#	47
54	DIETHYLPHTHALATE	149	B1#	48
55	FLUORENE	166	B1#	49
56	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50
57	4-NITROANILINE	138	B1#	51
58	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55
59	N-NITROSODIPHENYLAMINE	169	B1#	56CC
60	AZOBENENE	77	B1#	57
61	4-BROMOPHENYL-PHENYLETHER	248	B1#	58
62	HEXACHLOROBENZENE	284	B1#	59
63	PENTACHLOROPHENOL	266	B1#	60CC
64	PHENANTHRENE	178	B1#	61
65	ANTHRACENE	178	B1#	62
66	DI-N-BUTYLPHTHALATE	149	B1#	63
67	FLUORANTHENE	202	B1#	64CC
68	BENZIDINE	184	B1#	66
69	PYRENE	202	B1#	67
70	BUTYLBENZYLPHTHALATE	149	B1#	68
71	3,3'-DICHLOROBENZIDINE	252	B1#	69
72	BENZO(A)ANTHRACENE	228	B1#	70
73	CHRYSENE	228	B1#	71
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC
76	BENZO(B)FLUORANTHENE	252	B1#	76
77	BENZO(K)FLUORANTHENE	252	B1#	77
78	BENZO(A)PYRENE	252	B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80
81	BENO(GHI)PERYLENE	276	B1#	81

NO	M/E	SCAN	TIME	REF	FRT	METH	AREA HGHT)	AMOUNT		%TOT
1	152	727	9:05	1	1.000	A BB	14010.	40.000	UG/ML	0.95
2	136	967	12:05	2	1.000	# BB	538e6.	40.000	UG/ML	0.95
3	164	1326	16:34	3	1.000	A BB	28458.	40.000	UG/ML	0.95
4	188	1628	20:21	4	1.000	# BV	422e1.	40.000	UG/ML	0.95
5	240	2181	27:16	5	1.000	A BB	32254.	40.000	UG/ML	0.95
6	264	2459	30:44	6	1.000	A BB	29273.	40.000	UG/ML	0.95
7	82	834	10:25	2	0.862	A BB	28476.	50.000	UG/ML	1.19
8	172	1190	14:52	3	0.897	A BB	46496.	50.000	UG/ML	1.19
9	244	1963	24:32	5	0.900	# BV	37586.	50.000	UG/ML	1.19
10	99	676	8:27	1	0.930	# BV	71722.	100.000	UG/ML	2.37
11	112	525	6:34	1	0.722	# BV	52305.	100.000	UG/ML	2.37
12	330	1490	18:37	3	1.124	A BB	10800.	100.000	UG/ML	2.37
13	74	340	4:15	1	0.468	A BB	21650.	50.000	UG/ML	1.19
14	94	678	8:28	1	0.933	# BV	40787.	50.000	UG/ML	1.19
15	93	678	8:28	1	0.933	# BV	49436.	50.000	UG/ML	1.19
16	93	691	8:38	1	0.950	# VV	31928.	50.000	UG/ML	1.19
17	128	696	8:42	1	0.957	A BB	27052.	50.000	UG/ML	1.19
18	146	721	9:01	1	0.992	# BV	27687.	50.000	UG/ML	1.19
19	146	730	9:07	1	1.004	# VV	30769.	50.000	UG/ML	1.19

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
20	108	758	9:28	1	1.043	# BV	16943.	50.000	UG/ML	1.19
21	146	763	9:32	1	1.050	# BV	28303.	50.000	UG/ML	1.19
22	108	781	9:46	1	1.074	# BV	24620.	50.000	UG/ML	1.19
23	45	787	9:50	1	1.083	# VB	32557.	50.000	UG/ML	1.19
24	108	810	10:07	1	1.114	A BB	26403.	50.000	UG/ML	1.19
25	70	815	10:11	1	1.121	A BB	23033.	50.000	UG/ML	1.19
26	117	819	10:14	1	1.127	A BB	11684.	50.000	UG/ML	1.19
27	77	838	10:28	2	0.867	# BV	29708.	50.000	UG/ML	1.19
28	82	884	11:03	2	0.914	# BV	56862.	50.000	UG/ML	1.19
29	139	898	11:13	2	0.929	A BB	15113.	50.000	UG/ML	1.19
30	107	909	11:22	2	0.940	# BV	22960.	50.000	UG/ML	1.19
31	93	929	11:37	2	0.961	A BB	34291.	50.000	UG/ML	1.19
32	122	944	11:48	2	0.976	M XX	17663.	22.202	UG/ML	0.53
33	162	944	11:48	2	0.976	A BB	19810.	50.000	UG/ML	1.19
34	180	960	12:00	2	0.993	A BB	20674.	50.000	UG/ML	1.19
35	128	971	12:08	2	1.004	# BV	77105.	50.000	UG/ML	1.19
36	127	988	12:21	2	1.022	A BB	32687.	50.000	UG/ML	1.19
37	225	1008	12:36	2	1.042	A BB	10129.	50.000	UG/ML	1.19
38	107	1086	13:34	2	1.123	A BB	21732.	50.000	UG/ML	1.19
39	142	1109	13:52	2	1.147	A BB	48081.	50.000	UG/ML	1.19
40	237	1156	14:27	3	0.872	A BB	10281.	50.000	UG/ML	1.19
41	196	1173	14:40	3	0.885	# BV	12788.	50.000	UG/ML	1.19
42	196	1180	14:45	3	0.890	# VB	13887.	50.000	UG/ML	1.19
43	162	1208	15:06	3	0.911	A BB	42599.	50.000	UG/ML	1.19
44	65	1238	15:28	3	0.934	A BB	15942.	50.000	UG/ML	1.19
45	163	1284	16:03	3	0.968	A BB	49927.	50.000	UG/ML	1.19
46	152	1293	16:10	3	0.975	A BB	69281.	50.000	UG/ML	1.19
47	165	1297	16:13	3	0.978	A BB	13115.	50.000	UG/ML	1.19
48	138	1324	16:33	3	0.998	A BB	15348.	50.000	UG/ML	1.19
49	153	1333	16:40	3	1.005	A BB	43796.	50.000	UG/ML	1.19
50	184	1343	16:47	3	1.013	A BB	7555.	50.000	UG/ML	1.19
51	109	1361	17:01	3	1.026	A BB	5756.	50.000	UG/ML	1.19
52	168	1365	17:04	3	1.029	A BB	59396.	50.000	UG/ML	1.19
53	165	1376	17:12	3	1.038	A BB	16529.	50.000	UG/ML	1.19
54	149	1430	17:52	3	1.078	# BV	51086.	50.000	UG/ML	1.19
55	166	1436	17:57	3	1.083	A BB	50993.	50.000	UG/ML	1.19
56	204	1437	17:58	3	1.084	A BB	22255.	50.000	UG/ML	1.19
57	138	1453	18:10	3	1.096	A BB	14437.	50.000	UG/ML	1.19
58	198	1461	18:16	4	0.897	A BB	10171.	50.000	UG/ML	1.19
59	169	1465	18:19	4	0.900	A BB	34777.	50.000	UG/ML	1.19
60	77	1471	18:23	4	0.904	# VB	58017.	50.000	UG/ML	1.19
61	248	1537	19:13	4	0.944	A BB	11391.	50.000	UG/ML	1.19
62	284	1566	19:34	4	0.962	A BB	12002.	50.000	UG/ML	1.19
63	266	1603	20:02	4	0.985	A BB	8643.	50.000	UG/ML	1.19
64	178	1633	20:25	4	1.003	# BV	65512.	50.000	UG/ML	1.19
65	178	1642	20:31	4	1.009	# VB	67165.	50.000	UG/ML	1.19
66	149	1765	22:04	4	1.084	A BB	91728.	50.000	UG/ML	1.19
67	202	1880	23:30	4	1.155	A BB	60687.	50.000	UG/ML	1.19
68	184	1910	23:52	5	0.876	A BB	39081.	100.000	UG/ML	2.37
69	202	1927	24:05	5	0.884	# BB	60053.	50.000	UG/ML	1.19
70	149	2073	25:55	5	0.950	A BB	35771.	50.000	UG/ML	1.19
71	252	2176	27:12	5	0.998	# BV	36256.	100.000	UG/ML	2.37
72	228	2176	27:12	5	0.998	# BV	52370.	50.000	UG/ML	1.19
73	228	2187	27:20	5	1.003	# VV	46324.	50.000	UG/ML	1.19
74	149	2198	27:28	5	1.008	# BB	52128.	50.000	UG/ML	1.19
75	149	2319	28:59	6	0.943	# BV	81090.	50.000	UG/ML	1.19

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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGHT)	AMOUNT		%TOT
76	252	2390	29:52	6	0.972	M XX	48334.	50.000	UG/ML	1.19
77	252	2395	29:56	6	0.974	M XX	51085.	50.000	UG/ML	1.19
78	252	2449	30:37	6	0.996	# BV	44342.	50.000	UG/ML	1.19
79	276	2693	33:40	6	1.095	# BV	56057.	50.000	UG/ML	1.19
80	278	2694	33:40	6	1.096	# BV	45336.	50.000	UG/ML	1.19
81	276	2760	34:30	6	1.122	A BB	46131.	50.000	UG/ML	1.19

RMAL QUANTITATION SUMMARY FILE: STDUU928
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

01983

NO	NAME			SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	D4-1,4-DICHLOROBENZENE	152IB1#	1	727	1	1.000	1.000	40.000	UG/ML
2	D8-NAPHTHALENE	136IB1#	18	967	2	1.000	1.000	40.000	UG/ML
3	D10-ACENAPHTHENE	164IB1#	33	1326	3	1.000	1.000	40.000	UG/ML
4	D10-PHENANTHRENE	188IB1#	54	1628	4	1.000	1.000	40.000	UG/ML
5	D12-CHRYSENE	240IB1#	65	2181	5	1.000	1.000	40.000	UG/ML
6	D12-PERYLENE	264IB1#	74	2459	6	1.000	1.000	40.000	UG/ML
7	D5-NITROBENZENE	82SB1#	32	874	2	0.862	0.423	50.000	UG/ML
8	2-FLUOROBIPHENYL	172SB1#	52	1190	3	0.897	1.307	50.000	UG/ML
9	D14-TERPHENYL	244SB1#	73	1963	5	0.900	0.932	50.000	UG/ML
10	D5-PHENOL	99SB1#	17	676	1	0.930	2.048	100.000	UG/ML
11	2-FLUOROPHENOL	112SB1#	16	525	1	0.722	1.493	100.000	UG/ML
12	2,4,6-TRIBROMOPHENOL	330SB1#	53	1490	3	1.124	0.152	100.000	UG/ML
13	N-NITROSODIMETHYLAMINE	74 B1#	02	340	1	0.468	1.236	50.000	UG/ML
14	PHENOL	94 B1#	03CC	678	1	0.933	2.329	50.000	UG/ML
15	ANILINE	93 B1#	04	678	1	0.933	2.623	50.000	UG/ML
16	BIS(2-CHLOROETHYL)ETHER	93 B1#	05	691	1	0.950	1.823	50.000	UG/ML
17	2-CHLOROPHENOL	128 B1#	06	696	1	0.957	1.545	50.000	UG/ML
18	1,3-DICHLOROBENZENE	146 B1#	07	721	1	0.992	1.581	50.000	UG/ML
19	1,4-DICHLOROBENZENE	146 B1#	08CC	730	1	1.004	1.758	50.000	UG/ML
20	BENZYL ALCOHOL	108 B1#	09	758	1	1.043	0.967	50.000	UG/ML
21	1,2-DICHLOROBENZENE	146 B1#	10	763	1	1.050	1.616	50.000	UG/ML
22	2-METHYLPHENOL	108 B1#	11	781	1	1.074	1.406	50.000	UG/ML
23	BIS(2-CHLOROISOPROPYL)ETHER	45 B1#	12	787	1	1.083	3.001	50.000	UG/ML
24	4-METHYLPHENOL	108 B1#	13	810	1	1.114	1.508	50.000	UG/ML
25	N-NITROSO-DI-N-PROPYLAMINE	70 B1#	14SP	815	1	1.121	1.315	50.000	UG/ML
26	HEXACHLOROETHANE	117 B1#	15	819	1	1.127	0.667	50.000	UG/ML
27	NITROBENZENE	77 B1#	19	838	2	0.867	0.441	50.000	UG/ML
28	ISOPHORONE	82 B1#	20	884	2	0.914	0.844	50.000	UG/ML
29	2-NITROPHENOL	139 B1#	21CC	898	2	0.929	0.224	50.000	UG/ML
30	2,4-DIMETHYLPHENOL	107 B1#	22	909	2	0.940	0.341	50.000	UG/ML
31	BIS(2-CHLOROETHOXY)METHANE	93 B1#	22	929	2	0.961	0.509	50.000	UG/ML
32	BENZOIC ACID	122 B1#	24	944	2	0.976	0.162	22.202	UG/ML
33	2,4-DICHLOROPHENOL	162 B1#	25CC	944	2	0.976	0.294	50.000	UG/ML
34	1,2,4-TRICHLOROBENZENE	180 B1#	26	960	2	0.993	0.307	50.000	UG/ML
35	NAPHTHALENE	128 B1#	27	971	2	1.004	1.145	50.000	UG/ML
36	4-CHLOROANILINE	127 B1#	28	988	2	1.022	0.485	50.000	UG/ML
37	HEXACHLOROBUTADIENE	223 B1#	29CC	1008	2	1.042	0.150	50.000	UG/ML
38	4-CHLORO-3-METHYLPHENOL	107 B1#	30CC	1086	2	1.123	0.323	50.000	UG/ML
39	2-METHYLNAPHTHALENE	142 B1#	31	1109	2	1.147	0.714	50.000	UG/ML
40	HEXACHLOROCYCLOPENTADIENE	237 B1#	34SP	1156	3	0.872	0.289	50.000	UG/ML
41	2,4,6-TRICHLOROPHENOL	196 B1#	35CC	1173	2	0.885	0.360	50.000	UG/ML
42	2,4,5-TRICHLOROPHENOL	196 B1#	36	1180	3	0.890	0.390	50.000	UG/ML
43	2-CHLORONAPHTHALENE	162 B1#	37	1208	3	0.911	1.198	50.000	UG/ML
44	2-NITROANILINE	65 B1#	38	1238	3	0.934	0.448	50.000	UG/ML
45	DIMETHYL PHTHALATE	163 B1#	39	1264	3	0.968	1.404	50.000	UG/ML
46	ACENAPHTHALENE	152 B1#	40	1293	3	0.975	1.948	50.000	UG/ML
47	2,6-DINITROTOLUENE	165 B1#	41	1297	3	0.978	0.369	50.000	UG/ML
48	3-NITROANILINE	138 B1#	42	1324	3	0.998	0.431	50.000	UG/ML
49	ACENAPHTHENE	153 B1#	43CC	1333	3	1.005	1.231	50.000	UG/ML
50	2,4-DINITROPHENOL	184 B1#	44SP	1343	3	1.013	0.212	50.000	UG/ML
51	4-NITROPHENOL	109 B1#	45SP	1361	3	1.026	0.162	50.000	UG/ML
52	DIBENZOFURAN	168 B1#	46	1365	3	1.029	1.670	50.000	UG/ML
53	2,4-DINITROTOLUENE	165 B1#	47	1376	3	1.038	0.465	50.000	UG/ML
54	DIETHYLPHTHALATE	149 B1#	48	1430	3	1.078	1.436	50.000	UG/ML
55	FLUORENE	166 B1#	49	1436	3	1.083	1.433	50.000	UG/ML
56	4-CHLOROPHENYL-PHENYLETHER	204 B1#	50	1437	3	1.084	0.626	50.000	UG/ML
57	4-NITROANILINE	138 B1#	51	1453	3	1.096	0.406	50.000	UG/ML
58	4,6-DINITRO-2-METHYLPHENOL	198 B1#	55	1461	4	0.897	0.193	50.000	UG/ML
59	N-NITROSODIPHENYLAMINE	169 B1#	56CC	1465	4	0.900	0.658	50.000	UG/ML
60	AZOBENENE	77 B1#	57	1471	4	0.904	1.098	50.000	UG/ML
61	4-BROMOPHENYL-PHENYLETHER	248 B1#	58	1507	4	0.944	0.216	50.000	UG/ML

63	PENTACHLOROPHENOL	266	B1#	60CC	1603	4	0.985	0.164	50.000 UG/ML
64	PHENANTHRENE	178	B1#	61	1633	4	1.003	1.240	50.000 UG/ML
65	ANTHRACENE	178	B1#	62	1642	4	1.009	1.272	50.000 UG/ML
66	DI-N-BUTYLPHTHALATE	149	B1#	63	1765	4	1.084	1.736	50.000 UG/ML
67	FLUORANTHENE	202	B1#	64CC	1880	4	1.155	1.153	50.000 UG/ML
68	BENZIDINE	184	B1#	66	1910	5	0.876	0.485	100.000 UG/ML
69	PYRENE	202	B1#	67	1927	5	0.884	1.490	50.000 UG/ML
70	BUTYLBENZYLPHTHALATE	149	B1#	68	2073	5	0.950	0.887	50.000 UG/ML
71	3,3'-DICHLOROBENZIDINE	252	B1#	69	2176	5	0.998	0.449	100.000 UG/ML
72	BENZO(A)ANTHRACENE	228	B1#	70	2176	5	0.998	1.299	50.000 UG/ML
73	CHRYSENE	228	B1#	71	2187	5	1.003	1.149	50.000 UG/ML
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	2198	5	1.008	1.293	50.000 UG/ML
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC	2319	6	0.943	2.216	50.000 UG/ML
76	BENZO(B)FLUORANTHENE	252	B1#	76	2390	6	0.972	1.321	50.000 UG/ML
77	BENZO(K)FLUORANTHENE	252	B1#	77	2395	6	0.974	1.396	50.000 UG/ML
78	BENZO(A)PYRENE	252	B1#	78CC	2449	6	0.996	1.212	50.000 UG/ML
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	2693	6	1.095	1.532	50.000 UG/ML
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	2694	6	1.096	1.239	50.000 UG/ML
81	BENO(GHI)PERYLENE	276	B1#	81	2760	6	1.122	1.261	50.000 UG/ML

01984

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE :0:STDUU727. STARTED : 3/23/88 10:12:31

01985

3/15/88 13:50:03 SCAN 1 OF 3000
Acquisition started

Acquire Run 0:~~STDU727~~ STDUU929 ACQUIRING
03/15/88 13:50:00 + 0:03 Free sectors: 6757 Scan: 4 of 3000
Sample: 80 UG/ML HSL STD
Conds.: AUTO INJ./GC DESC ST
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No: 50 UG/ML

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 31 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 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: 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	

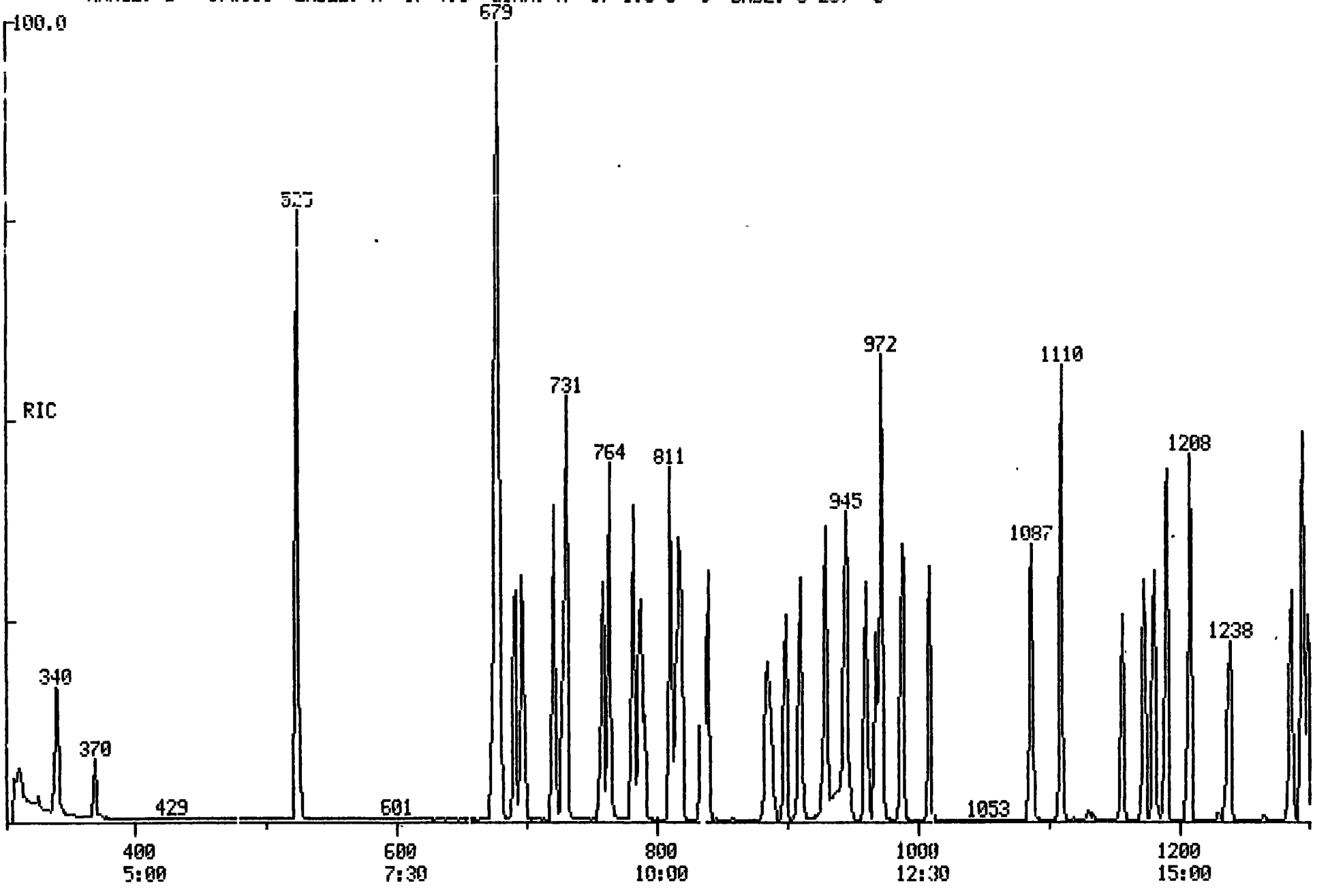
3/15/88 14:27:39
ACQUISITION COMPLETED
SCANS 1 TO 3000 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3000	255.8	2250.0	11.4	41686.	14. 19.

01986

RIC
03/15/88 13:50:00
SAMPLE: 80 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU929 #1 SCANS 300 TO 1300
CALI: 031588CU #5 OUT OF 300 TO 3000

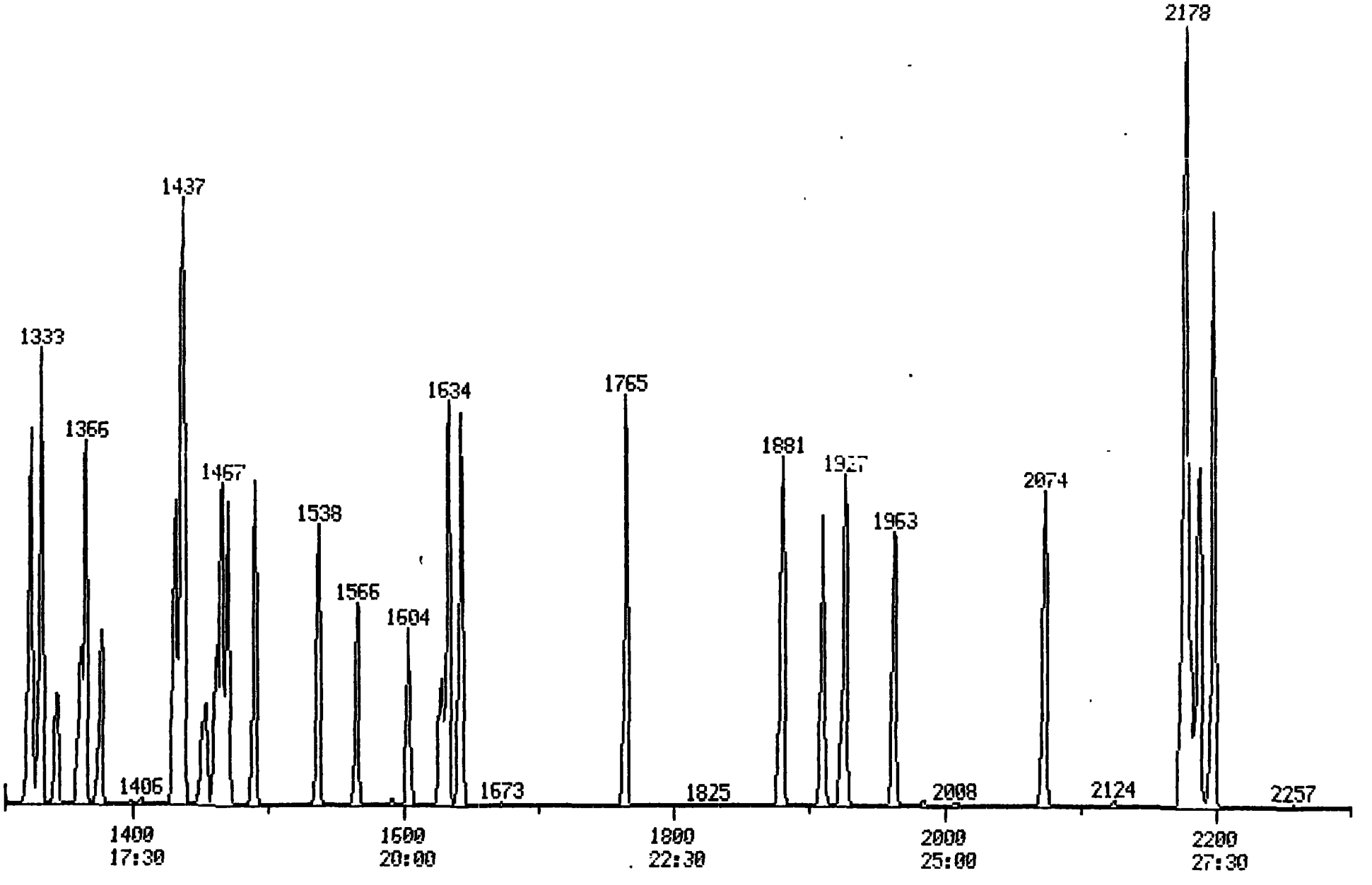


01987

PIC
03/15/88 13:50:00
SAMPLE: 80 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU220 #1 SCANS 1300 TO 2290
CALI: 031588CU #5 OUT OF 300 TO 3000

100.0



-01988

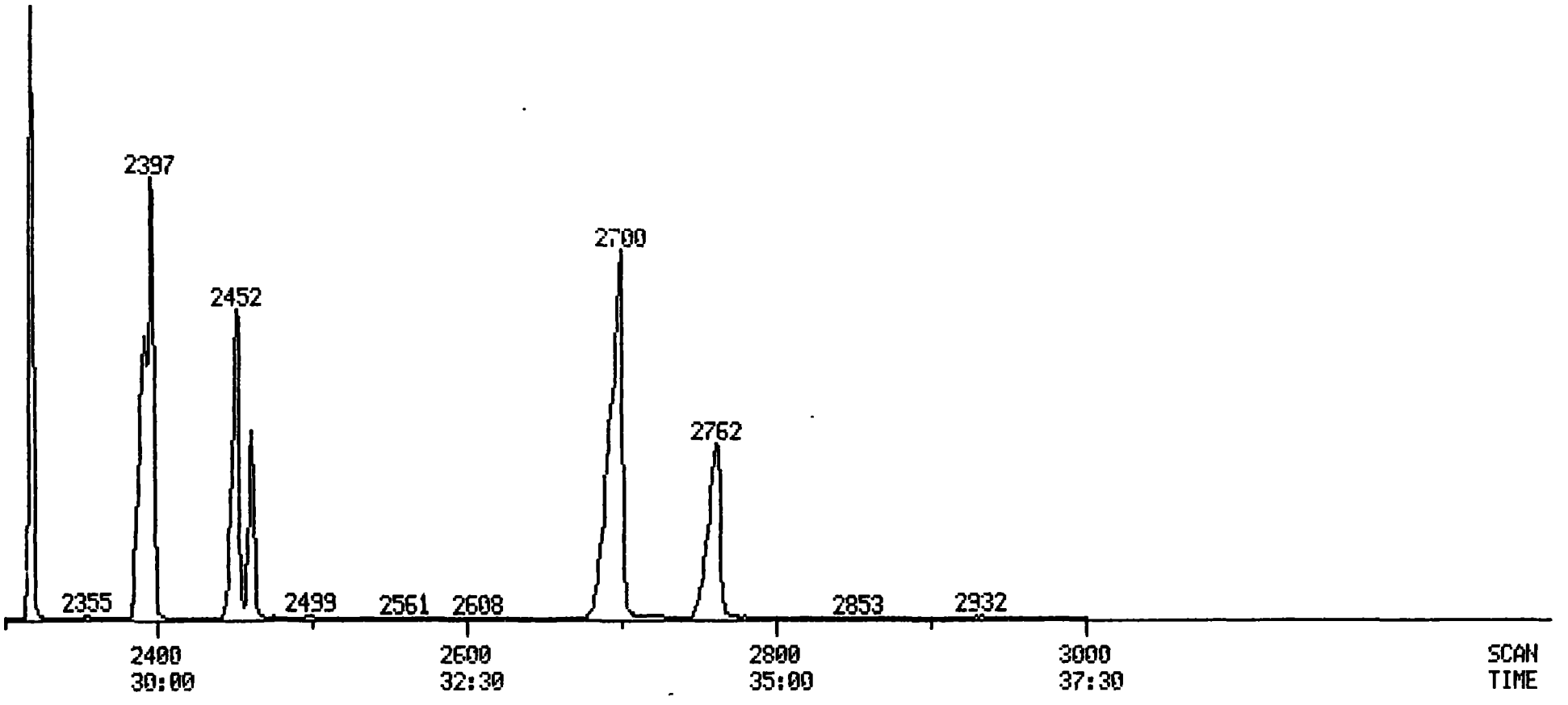
RIC
03/15/88 13:50:00
SAMPLE: 80 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU023 #1
CAL I: 031588CU #5

SCANS 2200 TO 3000
OUT OF 300 TO 3000

100.0

153088.



SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

STDUU929
031588CU
03/15/88
80 UG/ML HSL STD

01989

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUR	MATCH	AREA
1	B1	D4-1	152	728	727	-1	956	677	89.	11732.
2	B1	N-NI	74	340	340	0	999	833	99.	28882.
3	B1	PHEN	94	680	679	-1	935	36c	73.	61122.
4	B1	ANIL	93	679	679	0	863	485	75.	70197.
5	B1	BIS(	93	692	692	0	981	829	98.	43476.
6	B1	2-CH	128	697	697	0	986	626	88.	35545.
7	B1	1,3-	146	721	722	1	990	743	94.	37921.
8	B1	1,4-	146	731	731	0	992	745	94.	42971.
9	B1	BENZ	108	759	759	0	998	723	94.	22438.
10	B1	1,2-	146	764	764	0	990	733	94.	38791.
11	B1	2-ME	108	782	782	0	982	769	95.	33247.
12	B1	BIS(	45	788	788	0	960	572	84.	71647.
				-791		-3	990	44	79.	
13	B1	4-ME	108	811	811	0	944	651	87.	35604.
14	B1	N-NI	70	818	816	-2	996	298	72.	30859.
15	B1	HEXA	117	819	820	1	989	852	100.	16121.
16	B1	2-FL	112	525	526	1	998	606	88.	72509.
17	B1	D5-P	99	678	677	-1	973	281	70.	96932.
18	B1	D8-N	136	968	967	-1	994	60e	87.	43107.
19	B1	NITR	77	839	839	0	997	838	99.	38933.
20	B1	ISOP	82	885	885	0	980	576	85.	72822.
21	B1	2-NI	137	877	877	0	988	602	87.	20295.
22	B1	2,4-	107	710	710	0	774	675	71.	31029.
23	B1	BIS(	70	730	730	0	777	818	78.	45623.
24	B1	BENZ	122	737	740	3	1000	674	71.	6131.
				-946		-1	999	648	90.	
25	B1	2,4-	182	740	740	0	774	363	85.	26007.
26	B1	1,2,	180	760	761	1	773	642	87.	27380.
27	B1	NAPH	128	772	772	0	737	731	71.	106282.
28	B1	4-CH	127	786	787	1	781	389	86.	42361.
29	B1	HEXA	220	1007	1007	0	787	678	72.	13613.
30	B1	4-CH	107	1087	1087	0	771	632	87.	28463.
31	B1	2-ME	142	1110	1110	0	771	719	73.	62807.
32	B1	DD-N	82	880	880	0	772	64^	70.	37842.
33	B1	BIP-	184	1020	1020	1	781	471	80.	22436.
34	B1	HEXA	237	1150	1150	-1	773	638	70.	13880.
35	B1	2,4,	170	1173	1172	-1	771	679	71.	15943.
				-1179		-7	965	66(	76.	
36	B1	2,4,	170	1173	1177	6	771	386	86.	15943.
				-1181		-2	984	593	86.	
37	B1	2-CH	182	1208	1207	-1	767	638	88.	37317.
38	B1	2-NI	60	1238	1237	-1	999	669	91.	20968.
39	B1	BIME	168	1280	1283	-2	768	713	92.	64853.
40	B1	ACEN	152	1274	1272	-2	760	761	94.	89944.
41	B1	2,6-	160	1278	1276	-2	776	60^	88.	16598.
42	B1	3-NI	130	1329	1329	-2	878	384	72.	17234.
43	B1	ACEN	153	1333	1332	-1	788	690	91.	36211.
44	B1	2,4-	184	1344	1342	-2	788	377	86.	7330.
45	B1	4-NI	109	1362	1360	-2	787	311	82.	7276.
46	B1	DIBE	168	1366	1364	-2	966	648	88.	78282.
47	B1	2,4-	165	1377	1375	-2	995	655	90.	20713.
48	B1	DIET	149	1432	1429	-3	960	740	92.	68533.
49	B1	FLUO	166	1437	1435	-2	948	367	83.	66169.
50	B1	4-CH	204	1438	1436	-2	777	486	81.	27024.
51	B1	4-NI	138	1503	1502	-3	781	602	70.	17607.

				-1433		-1	781	581	70.	
52	B1	2-PL	172	1171	1187	-2	777	570	87.	61605.
53	B1	2,4,	330	1471	1487	-2	773	580	85.	13795.
54	B1	B10-	188	1628	1628	0	771	628	88.	32423.
55	B1	4,6-	178	1462	1461	-1	778	547	84.	13256.
56	B1	N-NI	167	1466	1465	-1	721	600	84.	44714.
57	B1	AZOB	77	1471	1471	0	746	732	72.	82857.
58	B1	4-BR	248	1538	1537	-1	773	672	72.	13880.
59	B1	HEXA	284	1566	1566	0	770	671	71.	15407.
60	B1	PENT	266	1603	1603	0	787	575	87.	10878.
61	B1	PHEN	178	1634	1633	-1	747	714	71.	81675.
62	B1	ANTH	178	1643	1642	-1	740	728	71.	85822.
				-1634		8	949	714	68.	
63	B1	DI-N	147	1765	1765	0	733	648	87.	117303.
64	B1	FLUO	202	1881	1880	-1	781	710	72.	78341.
65	B1	B12-	240	2181	2181	0	748	613	86.	30077.
66	B1	BENZ	184	1711	1710	-1	778	470	82.	62225.
67	B1	PYRE	202	1727	1727	0	762	731	72.	79057.
68	B1	BUTT	147	2074	2073	-1	773	641	87.	47647.
69	B1	3,3'	232	2178	2176	-2	777	367	75.	60545.
70	B1	BENZ	228	2176	2176	0	778	372	75.	78335.
				-2188		-12	984	686	45.	
71	B1	CHRY	228	2188	2187	-1	773	727	73.	73862.
72	B1	DIS(	147	2178	2178	0	772	603	87.	70234.
73	B1	B14-	244	1763	1763	0	780	529	83.	48056.
74	B1	B12-	264	2462	2457	-3	775	667	70.	31853.
75	B1	DI-N	147	2317	2322	3	776	555	85.	124080.
76	B1	BENZ	232	2377	2373	-4	783	763	75.	72066.
				-2392		1	985	756	95.	
77	B1	BENZ	232	2377	2378	1	786	765	75.	71612.
				-2392		6	989	761	95.	
78	B1	BENZ	232	2432	2432	0	788	613	77.	80452.
79	B1	INDE	276	2673	2676	3	773	666	70.	74242.
				-2698		-2	971	421	77.	
80	B1	DIBE	278	2700	2697	-3	781	665	70.	77875.
81	B1	BENO	276	2762	2763	1	772	810	78.	76323.

01990

Quantitation Report File: STDUU727

01991

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

No	Name				
1	D4-1,4-DICHLOROBENZENE	152	I	B1#	1
2	N-NITROSODIMETHYLAMINE	74		B1#	02
3	PHENOL	94		B1#	03CC
4	ANILINE	93		B1#	04
5	BIS(2-CHLOROETHYL)ETHER	93		B1#	05
6	2-CHLOROPHENOL	128		B1#	06
7	1,3-DICHLOROBENZENE	146		B1#	07
8	1,4-DICHLOROBENZENE	146		B1#	08CC
9	BENZYL ALCOHOL	108		B1#	09
10	1,2-DICHLOROBENZENE	146		B1#	10
11	2-METHYLPHENOL	108		B1#	11
12	BIS(2-CHLOROISOPROPYL)ETHER	45		B1#	12
13	4-METHYLPHENOL	108		B1#	13
14	N-NITROSO-DI-N-PROPYLAMINE	70		B1#	14SP
15	HEXACHLOROETHANE	117		B1#	15
16	2-FLUOROPHENOL	112	S	B1#	16
17	D5-PHENOL	99	S	B1#	17
18	D8-NAPHTHALENE	136	I	B1#	18
19	NITROBENZENE	77		B1#	19
20	ISOPHORONE	82		B1#	20
21	2-NITROPHENOL	139		B1#	21CC
22	2,4-DIMETHYLPHENOL	107		B1#	22
23	BIS(2-CHLOROETHOXY)METHANE	93		B1#	22
24	BENZOIC ACID	122		B1#	24
25	2,4-DICHLOROPHENOL	162		B1#	25CC
26	1,2,4-TRICHLOROBENZENE	180		B1#	26
27	NAPHTHALENE	128		B1#	27
28	4-CHLOROANILINE	127		B1#	28
29	HEXACHLOROBUTADIENE	223		B1#	29CC
30	4-CHLORO-3-METHYLPHENOL	107		B1#	30CC
31	2-METHYLNAPHTHALENE	142		B1#	31
32	D5-NITROBENZENE	82	S	B1#	32
33	D10-ACENAPHTHENE	164	I	B1#	33
34	HEXACHLOROCYCLOPENTADIENE	237		B1#	34SP
35	2,4,6-TRICHLOROPHENOL	196		B1#	35CC
36	2,4,5-TRICHLOROPHENOL	196		B1#	36
37	2-CHLORONAPHTHALENE	162		B1#	37
38	2-NITROANILINE	65		B1#	38
39	DIMETHYL PHTHALATE	163		B1#	39
40	ACENAPHTHALENE	152		B1#	40
41	2,6-DINITROTOLUENE	165		B1#	41
42	3-NITROANILINE	138		B1#	42
43	ACENAPHTHENE	153		B1#	43CC
44	2,4-DINITROPHENOL	184		B1#	44SP
45	4-NITROPHENOL	109		B1#	45SP
46	DIBENZOFURAN	168		B1#	46
47	2,4-DINITROTOLUENE	165		B1#	47
48	DIETHYLPHTHALATE	149		B1#	48
49	FLUORENE	166		B1#	49
50	4-CHLOROPHENYL-PHENYLETHER	204		B1#	50

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	728	9:06	1	1.000	A BB	11732.	40.000	UG/ML	0.60
2	74	340	4:15	1	0.467	# VV	28882.	79.653	UG/ML	1.19
3	94	680	8:30	1	0.934	# BV	61122.	89.476	UG/ML	1.35
4	93	679	8:29	1	0.933	# BV	70197.	84.784	UG/ML	1.26
5	93	692	8:39	1	0.951	# VV	43476.	81.304	UG/ML	1.21
6	128	697	8:43	1	0.957	A BB	35545.	78.453	UG/ML	1.17
7	146	721	9:01	1	0.990	# BV	37922.	81.780	UG/ML	1.22
8	146	731	9:08	1	1.004	# VV	42971.	83.332	UG/ML	1.24
9	108	759	9:29	1	1.043	# BV	22439.	79.076	UG/ML	1.18
10	146	764	9:33	1	1.049	A BB	38791.	81.833	UG/ML	1.22
11	108	782	9:46	1	1.074	# VV	33247.	80.631	UG/ML	1.20
12	45	788	9:51	1	1.082	# BV	71648.	81.396	UG/ML	1.21
13	108	811	10:08	1	1.114	A BB	35605.	80.516	UG/ML	1.20
14	70	818	10:13	1	1.124	A BB	30859.	79.995	UG/ML	1.19
15	117	819	10:14	1	1.125	A BB	16121.	82.381	UG/ML	1.23
16	112	525	6:34	1	0.721	# BV	72510.	165.544	UG/ML	2.47
17	99	678	8:28	1	0.931	# BV	96935.	161.391	UG/ML	2.41
18	136	968	12:06	18	1.000	# BV	43107.	40.000	UG/ML	0.60
19	77	839	10:29	18	0.867	# BV	38935.	81.882	UG/ML	1.22
20	82	885	11:04	18	0.914	# BV	72822.	80.016	UG/ML	1.19
21	139	899	11:14	18	0.929	A BB	20295.	83.902	UG/ML	1.25
22	107	910	11:22	18	0.940	A BB	31029.	84.438	UG/ML	1.26
23	93	930	11:37	18	0.961	A BB	45624.	83.127	UG/ML	1.24
24	122	939	11:44	18	0.970	# VV	6151.	9.662	UG/ML	0.14
25	162	945	11:49	18	0.976	A BB	26010.	82.034	UG/ML	1.22
26	180	960	12:00	18	0.992	# BV	27580.	83.351	UG/ML	1.24
27	128	972	12:09	18	1.004	# BV	106283.	86.123	UG/ML	1.28
28	127	988	12:21	18	1.021	A BB	42561.	81.354	UG/ML	1.21
29	225	1009	12:37	18	1.042	A BB	13616.	83.984	UG/ML	1.25
30	107	1087	13:35	18	1.123	A BB	28466.	81.839	UG/ML	1.22
31	142	1110	13:52	18	1.147	A BB	62807.	81.616	UG/ML	1.22
32	82	835	10:26	18	0.863	A BB	37842.	83.030	UG/ML	1.24
33	164	1325	16:34	33	1.000	A BB	22436.	40.000	UG/ML	0.60
34	237	1156	14:27	33	0.872	A BB	13881.	85.627	UG/ML	1.28
35	196	1173	14:40	33	0.885	# BV	15945.	79.066	UG/ML	1.18
36	196	1173	14:40	33	0.885	# BV	15943.	72.812	UG/ML	1.09
37	162	1208	15:06	33	0.912	A BB	57517.	85.630	UG/ML	1.28
38	65	1238	15:28	33	0.934	A BB	20968.	83.414	UG/ML	1.24
39	163	1285	16:04	33	0.970	A BB	64854.	82.381	UG/ML	1.23
40	152	1294	16:10	33	0.977	A BB	89945.	82.336	UG/ML	1.23
41	165	1298	16:13	33	0.980	A BB	16599.	80.268	UG/ML	1.20
42	138	1325	16:34	33	1.000	A BB	19234.	79.480	UG/ML	1.19
43	153	1333	16:40	33	1.006	A BB	56211.	81.399	UG/ML	1.21
44	184	1344	16:48	33	1.014	A BB	9551.	80.170	UG/ML	1.20
45	109	1362	17:01	33	1.028	A BB	7296.	80.386	UG/ML	1.20
46	168	1366	17:04	33	1.031	A BB	78282.	83.565	UG/ML	1.25
47	165	1377	17:13	33	1.039	A BB	20713.	79.473	UG/ML	1.19
48	149	1432	17:54	33	1.081	# BV	68534.	85.081	UG/ML	1.27
49	166	1437	17:58	33	1.085	A BB	66170.	82.296	UG/ML	1.23
50	204	1438	17:58	33	1.085	A BB	29025.	82.711	UG/ML	1.23

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:15	1.00	0.468	1.00	79.65	50.00	1.969	1.236	1.59
3	8:28	1.00	0.933	1.00	89.48	50.00	4.168	2.329	1.79
4	8:28	1.00	0.933	1.00	84.78	50.00	4.787	2.823	1.70

01992

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
5	8:38	1.00	0.950	1.00	81.30	50.00	2.965	1.823	1.63
6	8:42	1.00	0.957	1.00	78.45	50.00	2.424	1.545	1.57
7	9:01	1.00	0.992	1.00	81.78	50.00	2.586	1.581	1.64
8	9:07	1.00	1.004	1.00	83.33	50.00	2.930	1.758	1.67
9	9:28	1.00	1.043	1.00	79.08	50.00	1.530	0.967	1.58
10	9:32	1.00	1.050	1.00	81.83	50.00	2.645	1.616	1.64
11	9:46	1.00	1.074	1.00	80.63	50.00	2.267	1.406	1.61
12	9:50	1.00	1.083	1.00	81.40	50.00	4.885	3.001	1.63
13	10:07	1.00	1.114	1.00	80.52	50.00	2.428	1.508	1.61
14	10:11	1.00	1.121	1.00	79.99	50.00	2.104	1.315	1.60
15	10:14	1.00	1.127	1.00	82.38	50.00	1.099	0.667	1.65
16	6:34	1.00	0.722	1.00	165.54	100.00	2.472	1.493	1.66
17	8:27	1.00	0.930	1.00	161.39	100.00	3.305	2.048	1.61
18	12:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
19	10:28	1.00	0.867	1.00	81.88	50.00	0.723	0.441	1.64
20	11:03	1.00	0.914	1.00	80.02	50.00	1.351	0.844	1.60
21	11:13	1.00	0.929	1.00	83.90	50.00	0.377	0.224	1.68
22	11:22	1.00	0.940	1.00	84.44	50.00	0.576	0.341	1.69
23	11:37	1.00	0.961	1.00	83.13	50.00	0.847	0.509	1.66
24	11:48	0.99	0.976	0.99	9.66	50.00	0.114	0.591	0.19
25	11:48	1.00	0.976	1.00	82.03	50.00	0.483	0.294	1.64
26	12:00	1.00	0.993	1.00	83.35	50.00	0.512	0.307	1.67
27	12:08	1.00	1.004	1.00	86.12	50.00	1.972	1.145	1.72
28	12:21	1.00	1.022	1.00	81.35	50.00	0.790	0.485	1.63
29	12:36	1.00	1.042	1.00	83.98	50.00	0.253	0.150	1.68
30	13:34	1.00	1.123	1.00	81.84	50.00	0.528	0.323	1.64
31	13:52	1.00	1.147	1.00	81.62	50.00	1.166	0.714	1.63
32	10:25	1.00	0.862	1.00	83.03	50.00	0.702	0.423	1.66
33	16:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	14:27	1.00	0.872	1.00	85.63	50.00	0.495	0.289	1.71
35	14:40	1.00	0.885	1.00	79.07	50.00	0.568	0.359	1.58
36	14:45	0.99	0.890	0.99	72.81	50.00	0.568	0.390	1.46
37	15:06	1.00	0.911	1.00	85.63	50.00	2.051	1.198	1.71
38	15:28	1.00	0.934	1.00	83.41	50.00	0.748	0.448	1.67
39	16:03	1.00	0.968	1.00	82.38	50.00	2.312	1.404	1.65
40	16:10	1.00	0.975	1.00	82.34	50.00	3.207	1.948	1.65
41	16:13	1.00	0.978	1.00	80.27	50.00	0.592	0.369	1.61
42	16:33	1.00	0.998	1.00	79.48	50.00	0.686	0 431	1.59
43	16:40	1.00	1.005	1.00	81.40	50.00	2.004	1.231	1.63
44	16:47	1.00	1.013	1.00	80.17	50.00	0.341	0.212	1.60
45	17:01	1.00	1.026	1.00	80.39	50.00	0.260	0.162	1.61
46	17:04	1.00	1.029	1.00	83.59	50.00	2.791	1.670	1.67
47	17:12	1.00	1.038	1.00	79.47	50.00	0.739	0.465	1.59
48	17:52	1.00	1.078	1.00	85.08	50.00	2.444	1.436	1.70
49	17:57	1.00	1.083	1.00	82.30	50.00	2.359	1.433	1.65
50	17:58	1.00	1.084	1.00	82.71	50.00	1.035	0.626	1.65

01993

Quantitation Report File: STDUU929

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

01994

No	Name				
51	4-NITROANILINE	138	B1#	51	
52	2-FLUOROBIPHENYL	172	SB1#	52	
53	2,4,6-TRIBROMOPHENOL	330	SB1#	53	
54	D10-PHENANTHRENE	188	IB1#	54	
55	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55	
56	N-NITROSODIPHENYLAMINE	169	B1#	56	CC
57	AZOBENENE	77	B1#	57	
58	4-BROMOPHENYL-PHENYLETHER	248	B1#	58	
59	HEXACHLOROBENZENE	284	B1#	59	
60	PENTACHLOROPHENOL	266	B1#	60	CC
61	PHENANTHRENE	178	B1#	61	
62	ANTHRACENE	178	B1#	62	
63	DI-N-BUTYLPHTHALATE	149	B1#	63	
64	FLUORANTHENE	202	B1#	64	CC
65	D12-CHRYSENE	240	IB1#	65	
66	BENZIDINE	184	B1#	66	
67	PYRENE	202	B1#	67	
68	BUTYLBENZYLPHTHALATE	149	B1#	68	
69	3,3'-DICHLOROBENZIDINE	252	B1#	69	
70	BENZO(A)ANTHRACENE	228	B1#	70	
71	CHRYSENE	228	B1#	71	
72	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	
73	D14-TERPHENYL	244	SB1#	73	
74	D12-PERYLENE	264	IB1#	74	
75	DI-N-OCTYL PHTHALATE	149	B1#	75	CC
76	BENZO(B)FLUORANTHENE	252	B1#	76	
77	BENZO(K)FLUORANTHENE	252	B1#	77	
78	BENZO(A)PYRENE	252	B1#	78	CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	
81	BENO(GHI)PERYLENE	276	B1#	81	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	138	1455	18:11	33	1.098	A BB	17607.	77.348	UG/ML	1.15
52	172	1191	14:53	33	0.899	A BB	61606.	84.029	UG/ML	1.25
53	330	1491	18:38	33	1.125	A BB	13995.	164.362	UG/ML	2.45
54	188	1628	20:21	54	1.000	A BB	32424.	40.000	UG/ML	0.60
55	198	1462	18:16	54	0.898	A BB	13257.	84.943	UG/ML	1.27
56	169	1466	18:19	54	0.900	A BB	44714.	83.791	UG/ML	1.25
57	77	1471	18:23	54	0.904	# VV	82859.	93.075	UG/ML	1.39
58	248	1538	19:13	54	0.945	A BB	13881.	79.412	UG/ML	1.18
59	284	1566	19:34	54	0.962	A BB	15408.	83.661	UG/ML	1.25
60	266	1603	20:02	54	0.985	A BB	10878.	82.022	UG/ML	1.22
61	178	1634	20:25	54	1.004	# BV	81675.	81.249	UG/ML	1.21
62	178	1643	20:32	54	1.009	# VV	85822.	83.249	UG/ML	1.24
63	149	1765	22:04	54	1.084	# BB	117304.	83.341	UG/ML	1.24
64	202	1881	23:31	54	1.155	A BB	78342.	83.853	UG/ML	1.25
65	240	2181	27:16	65	1.000	A BB	30078.	40.000	UG/ML	0.60
66	184	1911	23:53	65	0.876	# BV	62226.	170.743	UG/ML	2.55
67	202	1927	24:05	65	0.884	A BB	79057.	70.586	UG/ML	1.05
68	149	2074	25:55	65	0.951	A BB	47648.	71.420	UG/ML	1.07
69	252	2178	27:13	65	0.999	# BB	60545.	179.175	UG/ML	2.67

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
70	228	2176	27:12	65	0.998	# BV	78335.	80.202	UG/ML	1.20
71	228	2188	27:21	65	1.003	# VV	73863.	85.475	UG/ML	1.28
72	149	2198	27:28	65	1.008	# VB	70234.	72.242	UG/ML	1.08
73	244	1963	24:32	65	0.900	A BB	48056.	68.554	UG/ML	1.02
74	264	2462	30:46	74	1.000	# BB	31854.	40.000	UG/ML	0.60
75	149	2319	28:59	74	0.942	# BV	124080.	70.310	UG/ML	1.05
76	252	2397	29:58	74	0.974	# VB	92067.	87.525	UG/ML	1.31
77	252	2397	29:58	74	0.974	# VV	91613.	82.403	UG/ML	1.23
78	252	2452	30:39	74	0.996	# BV	80452.	83.369	UG/ML	1.24
79	276	2693	33:40	74	1.094	# BV	94242.	77.249	UG/ML	1.15
80	278	2700	33:45	74	1.097	# BV	77876.	78.929	UG/ML	1.18
81	276	2762	34:31	74	1.122	# BV	76324.	76.024	UG/ML	1.13

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:10	1.00	1.096	1.00	77.35	50.00	0.628	0.406	1.55
52	14:52	1.00	0.897	1.00	84.03	50.00	2.197	1.307	1.68
53	18:37	1.00	1.124	1.00	164.36	100.00	0.250	0.152	1.64
54	20:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
55	18:16	1.00	0.897	1.00	84.94	50.00	0.327	0.193	1.70
56	18:19	1.00	0.900	1.00	83.79	50.00	1.103	0.658	1.68
57	18:23	1.00	0.904	1.00	93.07	50.00	2.044	1.098	1.86
58	19:13	1.00	0.944	1.00	79.41	50.00	0.342	0.216	1.59
59	19:34	1.00	0.962	1.00	83.66	50.00	0.380	0.227	1.67
60	20:02	1.00	0.985	1.00	82.02	50.00	0.268	0.164	1.64
61	20:25	1.00	1.003	1.00	81.25	50.00	2.015	1.240	1.62
62	20:31	1.00	1.009	1.00	83.25	50.00	2.118	1.272	1.66
63	22:04	1.00	1.084	1.00	83.34	50.00	2.894	1.736	1.67
64	23:30	1.00	1.155	1.00	83.85	50.00	1.933	1.153	1.68
65	27:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
66	23:52	1.00	0.876	1.00	170.74	100.00	0.828	0.485	1.71
67	24:05	1.00	0.884	1.00	70.59	50.00	2.103	1.489	1.41
68	25:55	1.00	0.950	1.00	71.42	50.00	1.267	0.887	1.43
69	27:12	1.00	0.998	1.00	179.17	100.00	0.805	0.449	1.79
70	27:12	1.00	0.998	1.00	80.20	50.00	2.084	1.299	1.60
71	27:20	1.00	1.003	1.00	85.47	50.00	1.965	1.149	1.71
72	27:28	1.00	1.008	1.00	72.24	50.00	1.868	1.293	1.44
73	24:32	1.00	0.900	1.00	68.55	50.00	1.278	0.932	1.37
74	30:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
75	28:59	1.00	0.943	1.00	70.31	50.00	3.116	2.216	1.41
76	29:52	1.00	0.972	1.00	87.53	50.00	2.312	1.321	1.75
77	29:56	1.00	0.974	1.00	82.40	50.00	2.301	1.396	1.65
78	30:37	1.00	0.996	1.00	83.37	50.00	2.021	1.212	1.67
79	33:40	1.00	1.095	1.00	77.25	50.00	2.367	1.532	1.54
80	33:40	1.00	1.096	1.00	78.93	50.00	1.956	1.239	1.58
81	34:30	1.00	1.122	1.00	76.02	50.00	1.917	1.261	1.52

01995

QUANTITATION REPORT FILE: 8TDUU727

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

01996

NO	NAME				
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1	
2	D8-NAPHTHALENE	136	IB1#	18	
3	D10-ACENAPHTHENE	164	IB1#	33	
4	D10-PHENANTHRENE	188	IB1#	54	
5	D12-CHRYSENE	240	IB1#	65	
6	D12-PERYLENE	264	IB1#	74	
7	D5-NITROBENZENE	82	SB1#	32	
8	2-FLUOROBIPHENYL	172	SB1#	52	
9	D14-TERPHENYL	244	SB1#	73	
10	D5-PHENOL	99	SB1#	17	
11	2-FLUOROPHENOL	112	SB1#	16	
12	2,4,6-TRIBROMOPHENOL	330	SB1#	53	
13	N-NITROSODIMETHYLAMINE	74	B1#	02	
14	PHENOL	94	B1#	03	CC
15	ANILINE	93	B1#	04	
16	BIS(2-CHLOROETHYL)ETHER	93	B1#	05	
17	2-CHLOROPHENOL	128	B1#	06	
18	1,3-DICHLOROBENZENE	146	B1#	07	
19	1,4-DICHLOROBENZENE	146	B1#	08	CC
20	BENZYL ALCOHOL	108	B1#	09	
21	1,2-DICHLOROBENZENE	146	B1#	10	
22	2-METHYLPHENOL	108	B1#	11	
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12	
24	4-METHYLPHENOL	108	B1#	13	
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14	SP
26	HEXACHLOROETHANE	117	B1#	15	
27	NITROBENZENE	77	B1#	19	
28	ISOPHORONE	82	B1#	20	
29	2-NITROPHENOL	139	B1#	21	CC
30	2,4-DIMETHYLPHENOL	107	B1#	22	
31	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22	
32	BENZOIC ACID	122	B1#	24	
33	2,4-DICHLOROPHENOL	162	B1#	25	CC
34	1,2,4-TRICHLOROBENZENE	180	B1#	26	
35	NAPHTHALENE	128	B1#	27	
36	4-CHLOROANILINE	127	B1#	28	
37	HEXACHLOROBUTADIENE	223	B1#	29	CC
38	4-CHLORO-3-METHYLPHENOL	107	B1#	30	CC
39	2-METHYLNAPHTHALENE	142	B1#	31	
40	HEXACHLOROCYCLOPENTADIENE	237	B1#	34	SP
41	2,4,6-TRICHLOROPHENOL	196	B1#	35	CC
42	2,4,5-TRICHLOROPHENOL	196	B1#	36	
43	2-CHLORONAPHTHALENE	162	B1#	37	
44	2-NITROANILINE	65	B1#	38	
45	DIMETHYL PHTHALATE	163	B1#	39	
46	ACENAPHTHALENE	152	B1#	40	
47	2,6-DINITROTOLUENE	165	B1#	41	
48	3-NITROANILINE	138	B1#	42	
49	ACENAPHTHENE	153	B1#	43	CC
50	2,4-DINITROPHENOL	184	B1#	44	SP
51	4-NITROPHENOL	109	B1#	45	SP
52	DIBENZOFURAN	168	B1#	46	
53	2,4-DINITROTOLUENE	165	B1#	47	

01997

NO	NAME			
54	DIETHYLPHTHALATE	149	B1#	48
55	FLUORENE	166	B1#	49
56	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50
57	4-NITROANILINE	138	B1#	51
58	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55
59	N-NITROSODIPHENYLAMINE	169	B1#	56CC
60	AZOBENENE	77	B1#	57
61	4-BROMOPHENYL-PHENYLETHER	248	B1#	58
62	HEXACHLOROBENZENE	284	B1#	59
63	PENTACHLOROPHENOL	266	B1#	60CC
64	PHENANTHRENE	178	B1#	61
65	ANTHRACENE	178	B1#	62
66	DI-N-BUTYLPHTHALATE	149	B1#	63
67	FLUORANTHENE	202	B1#	64CC
68	BENZIDINE	184	B1#	66
69	PYRENE	202	B1#	67
70	BUTYLBENZYLPHTHALATE	149	B1#	68
71	3,3'-DICHLOROBENZIDINE	252	B1#	69
72	BENZO(A)ANTHRACENE	228	B1#	70
73	CHRYSENE	228	B1#	71
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC
76	BENZO(B)FLUORANTHENE	252	B1#	76
77	BENZO(K)FLUORANTHENE	252	B1#	77
78	BENZO(A)PYRENE	252	B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80
81	BENO(GHI)PERYLENE	276	B1#	81

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	728	9:06	1	1.000	A BB	11732.	40.000	UG/ML	0.60
2	136	968	12:06	2	1.000	# BV	43107.	40.000	UG/ML	0.60
3	164	1325	16:34	3	1.000	A BB	22436.	40.000	UG/ML	0.60
4	188	1628	20:21	4	1.000	A BB	32424.	40.000	UG/ML	0.60
5	240	2181	27:16	5	1.000	A BB	30078.	40.000	UG/ML	0.60
6	264	2462	30:46	6	1.000	# BB	31834.	40.000	UG/ML	0.60
7	82	835	10:26	2	0.863	A BB	37842.	83.030	UG/ML	1.24
8	172	1191	14:53	3	0.899	A BB	61606.	84.029	UG/ML	1.25
9	244	1963	24:32	5	0.900	A BB	48056.	68.554	UG/ML	1.02
10	99	678	8:28	1	0.931	# BV	96933.	161.391	UG/ML	2.41
11	112	525	6:34	1	0.721	# BV	72510.	165.544	UG/ML	2.47
12	330	1491	18:38	3	1.125	A BB	13995.	164.362	UG/ML	2.45
13	74	340	4:15	1	0.467	# VV	28662.	79.653	UG/ML	1.19
14	94	680	8:30	1	0.934	# BV	61122.	89.476	UG/ML	1.33
15	93	679	8:29	1	0.933	# BV	70197.	84.784	UG/ML	1.26
16	93	692	8:39	1	0.951	# VV	43476.	81.304	UG/ML	1.21
17	128	697	8:43	1	0.957	A BB	35545.	78.453	UG/ML	1.17
18	146	721	9:01	1	0.990	# BV	37922.	81.780	UG/ML	1.22
19	146	731	9:08	1	1.004	# VV	42971.	83.332	UG/ML	1.24
20	108	759	9:29	1	1.043	# BV	22439.	79.076	UG/ML	1.18
21	146	764	9:33	1	1.049	A BB	38791.	81.833	UG/ML	1.22
22	108	782	9:46	1	1.074	# VV	33247.	80.631	UG/ML	1.20
23	45	788	9:51	1	1.082	# BV	71648.	81.396	UG/ML	1.21
24	108	811	10:08	1	1.114	A BB	35605.	80.516	UG/ML	1.20
25	70	818	10:13	1	1.124	A BB	30859.	79.995	UG/ML	1.19
26	117	819	10:14	1	1.125	A BB	16121.	82.381	UG/ML	1.23

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGHT)	AMOUNT		%TOT
27	77	839	10:29	2	0.867	# BV	38933.	81.882	UG/ML	1.22
28	82	885	11:04	2	0.914	# BV	72822.	80.016	UG/ML	1.19
29	139	899	11:14	2	0.929	A BB	20295.	83.902	UG/ML	1.25
30	107	910	11:22	2	0.940	A BB	31029.	84.438	UG/ML	1.26
31	93	930	11:37	2	0.961	A BB	45624.	83.127	UG/ML	1.24
32	122	939	11:44	2	0.970	# VV	6151.	9.662	UG/ML	0.14
33	162	945	11:49	2	0.976	A BB	26010.	82.034	UG/ML	1.22
34	180	960	12:00	2	0.992	# BV	27580.	83.351	UG/ML	1.24
35	128	972	12:09	2	1.004	# BV	106283.	86.123	UG/ML	1.28
36	127	988	12:21	2	1.021	A BB	42561.	81.354	UG/ML	1.21
37	225	1009	12:37	2	1.042	A BB	13616.	83.984	UG/ML	1.25
38	107	1087	13:35	2	1.123	A BB	28466.	81.839	UG/ML	1.22
39	142	1110	13:52	2	1.147	A BB	62807.	81.616	UG/ML	1.22
40	237	1156	14:27	3	0.872	A BB	13861.	85.627	UG/ML	1.28
41	196	1173	14:40	3	0.885	# BV	15943.	79.066	UG/ML	1.18
42	196	1173	14:40	3	0.885	# BV	15943.	72.812	UG/ML	1.09
43	162	1208	15:06	3	0.912	A BB	57517.	85.630	UG/ML	1.28
44	65	1238	15:28	3	0.934	A BB	20968.	83.414	UG/ML	1.24
45	163	1285	16:04	3	0.970	A BB	64854.	82.381	UG/ML	1.23
46	152	1294	16:10	3	0.977	A BB	89945.	82.336	UG/ML	1.23
47	165	1298	16:13	3	0.980	A BB	16599.	80.268	UG/ML	1.20
48	138	1325	16:34	3	1.000	A BB	19234.	79.480	UG/ML	1.19
49	153	1333	16:40	3	1.006	A BB	56211.	81.399	UG/ML	1.21
50	184	1344	16:48	3	1.014	A BB	9551.	80.170	UG/ML	1.20
51	109	1362	17:01	3	1.028	A BB	7296.	80.386	UG/ML	1.20
52	168	1366	17:04	3	1.031	A BB	78282.	83.585	UG/ML	1.25
53	165	1377	17:13	3	1.039	A BB	20713.	79.473	UG/ML	1.19
54	149	1432	17:54	3	1.081	# BV	68534.	85.081	UG/ML	1.27
55	166	1437	17:58	3	1.085	A BB	66170.	82.296	UG/ML	1.23
56	204	1438	17:58	3	1.085	A BB	29025.	82.711	UG/ML	1.23
57	138	1455	18:11	3	1.098	A BB	17607.	77.348	UG/ML	1.15
58	198	1462	18:16	4	0.898	A BB	13257.	84.943	UG/ML	1.27
59	169	1466	18:19	4	0.900	A BB	44714.	83.791	UG/ML	1.25
60	77	1471	18:23	4	0.904	# VV	82859.	93.075	UG/ML	1.39
61	248	1538	19:13	4	0.945	A BB	13861.	79.412	UG/ML	1.18
62	284	1566	19:34	4	0.962	A BB	15408.	83.661	UG/ML	1.25
63	266	1603	20:02	4	0.985	A BB	10878.	82.022	UG/ML	1.22
64	178	1634	20:25	4	1.004	# BV	81675.	81.249	UG/ML	1.21
65	178	1643	20:32	4	1.009	# VV	85812.	83.249	UG/ML	1.24
66	149	1765	22:04	4	1.084	# BB	117304.	83.341	UG/ML	1.24
67	202	1881	23:31	4	1.155	A BB	78342.	83.853	UG/ML	1.25
68	184	1911	23:53	5	0.876	# BV	62226.	170.743	UG/ML	2.55
69	202	1927	24:05	5	0.884	A BB	79057.	70.586	UG/ML	1.05
70	149	2074	25:55	5	0.951	A BB	47648.	71.420	UG/ML	1.07
71	252	2178	27:13	5	0.999	# BB	60545.	179.175	UG/ML	2.67
72	228	2176	27:12	5	0.998	# BV	78335.	80.202	UG/ML	1.20
73	228	2188	27:21	5	1.003	# VV	73863.	85.475	UG/ML	1.28
74	149	2198	27:28	5	1.008	# VB	70234.	72.242	UG/ML	1.08
75	149	2319	28:59	6	0.942	# BV	124080.	70.310	UG/ML	1.05
76	252	2397	29:58	6	0.974	# VB	92067.	87.525	UG/ML	1.31
77	252	2397	29:58	6	0.974	# VV	91613.	82.403	UG/ML	1.23
78	252	2452	30:39	6	0.996	# BV	80452.	83.369	UG/ML	1.24
79	276	2693	33:40	6	1.094	# BV	94242.	77.249	UG/ML	1.15
80	278	2700	33:45	6	1.097	# BV	77876.	78.929	UG/ML	1.18
81	276	2762	34:31	6	1.122	# BV	76324.	76.024	UG/ML	1.13

8696

RMAL QUANTITATION SUMMARY FILE: STDUU929
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

01999

NO	NAME			SCAN	REF	RRT	FRF	AMOUNT	UNITS
1	D4-1,4-DICHLOROBENZENE	152	IB1# 1	728	1	1.000	1.000	40.000	UG/ML
2	D8-NAPHTHALENE	136	IB1# 18	968	2	1.000	1.000	40.000	UG/ML
3	D10-ACENAPHTHENE	164	IB1# 33	1325	3	1.000	1.000	40.000	UG/ML
4	D10-PHENANTHRENE	188	IB1# 54	1628	4	1.000	1.000	40.000	UG/ML
5	D12-CHRYSENE	240	IB1# 65	2161	5	1.000	1.000	40.000	UG/ML
6	D12-PERYLENE	264	IB1# 74	2462	6	1.000	1.000	40.000	UG/ML
7	D5-NITROBENZENE	82	SB1# 32	835	2	0.863	0.702	83.030	UG/ML
8	2-FLUOROBIPHENYL	172	SB1# 52	1191	3	0.899	2.197	84.029	UG/ML
9	D14-TERPHENYL	244	SB1# 73	1963	5	0.900	1.278	68.554	UG/ML
10	D5-PHENOL	99	SB1# 17	678	1	0.931	3.305	161.391	UG/ML
11	2-FLUOROPHENOL	112	SB1# 16	525	1	0.721	2.472	165.544	UG/ML
12	2,4,6-TRIBROMOPHENOL	330	SB1# 53	1491	3	1.125	0.250	164.362	UG/ML
13	N-NITROSODIMETHYLAMINE	74	B1# 02	340	1	0.467	1.969	79.653	UG/ML
14	PHENOL	94	B1# 03CC	680	1	0.934	4.168	89.476	UG/ML
15	ANILINE	93	B1# 04	679	1	0.933	4.787	84.764	UG/ML
16	BIS(2-CHLOROETHYL)ETHER	93	B1# 05	692	1	0.951	2.965	81.304	UG/ML
17	2-CHLOROPHENOL	128	B1# 06	697	1	0.957	2.424	78.453	UG/ML
18	1,3-DICHLOROBENZENE	146	B1# 07	721	1	0.990	2.586	81.780	UG/ML
19	1,4-DICHLOROBENZENE	146	B1# 08CC	731	1	1.004	2.930	83.332	UG/ML
20	BENZYL ALCOHOL	108	B1# 09	759	1	1.043	1.530	79.076	UG/ML
21	1,2-DICHLOROBENZENE	146	B1# 10	764	1	1.049	2.645	81.833	UG/ML
22	2-METHYLPHENOL	108	B1# 11	782	1	1.074	2.267	80.631	UG/ML
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1# 12	788	1	1.082	4.885	81.396	UG/ML
24	4-METHYLPHENOL	108	B1# 13	811	1	1.114	2.428	80.516	UG/ML
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1# 14SP	818	1	1.124	2.104	79.995	UG/ML
26	HEXACHLOROETHANE	117	B1# 15	819	1	1.125	1.799	82.381	UG/ML
27	NITROBENZENE	77	B1# 19	829	2	0.867	0.723	81.862	UG/ML
28	ISOPHORONE	82	B1# 20	885	2	0.914	1.351	80.016	UG/ML
29	2-NITROPHENOL	139	B1# 21CC	899	2	0.929	0.377	83.902	UG/ML
30	2,4-DIMETHYLPHENOL	107	B1# 22	910	2	0.940	0.576	84.438	UG/ML
31	BIS(2-CHLOROETHOXY)METHANE	93	B1# 22	930	2	0.961	0.847	83.127	UG/ML
32	BENZOIC ACID	122	B1# 24	939	2	0.970	0.114	9.662	UG/ML
33	2,4-DICHLOROPHENOL	162	B1# 25CC	945	2	0.976	0.483	82.034	UG/ML
34	1,2,4-TRICHLOROBENZENE	180	B1# 26	960	2	0.992	0.512	83.351	UG/ML
35	NAPHTHALENE	128	B1# 27	972	2	1.004	1.572	86.123	UG/ML
36	4-CHLOROANILINE	127	B1# 28	988	2	1.021	0.790	81.354	UG/ML
37	HEXACHLOROBUTADIENE	223	B1# 29CC	1009	2	1.042	0.253	83.964	UG/ML
38	4-CHLORO-3-METHYLPHENOL	107	B1# 30CC	1087	2	1.123	0.528	81.839	UG/ML
39	2-METHYLNAPHTHALENE	142	B1# 31	1110	2	1.147	1.166	81.616	UG/ML
40	HEXACHLOROCYCLOPENTADIENE	237	B1# 34SP	1156	3	0.872	0.495	85.627	UG/ML
41	2,4,6-TRICHLOROPHENOL	196	B1# 35CC	1173	3	0.885	0.568	79.066	UG/ML
42	2,4,5-TRICHLOROPHENOL	196	B1# 36	1173	3	0.885	0.568	72.812	UG/ML
43	2-CHLORONAPHTHALENE	162	B1# 37	1208	3	0.912	2.051	85.630	UG/ML
44	2-NITROANILINE	65	B1# 38	1228	3	0.934	0.748	83.414	UG/ML
45	DIMETHYL PHTHALATE	163	B1# 39	1285	3	0.970	2.312	82.381	UG/ML
46	ACENAPHTHALENE	152	B1# 40	1294	3	0.977	3.207	82.336	UG/ML
47	2,6-DINITROTOLUENE	165	B1# 41	1298	3	0.980	0.592	80.268	UG/ML
48	3-NITROANILINE	138	B1# 42	1325	3	1.000	0.686	79.480	UG/ML
49	ACENAPHTHENE	153	B1# 43CC	1333	3	1.006	2.104	81.399	UG/ML
50	2,4-DINITROPHENOL	184	B1# 44SP	1344	3	1.014	0.341	80.170	UG/ML
51	4-NITROPHENOL	109	B1# 45SP	1362	3	1.028	0.260	80.386	UG/ML
52	DIBENZOFURAN	168	B1# 46	1366	3	1.031	2.791	83.565	UG/ML
53	2,4-DINITROTOLUENE	165	B1# 47	1377	3	1.039	0.739	79.473	UG/ML
54	DIETHYLPHTHALATE	149	B1# 48	1432	3	1.081	2.444	85.081	UG/ML
55	FLUORENE	166	B1# 49	1437	3	1.085	2.359	82.296	UG/ML
56	4-CHLOROPHENYL-PHENYLETHER	204	B1# 50	1438	3	1.085	1.035	82.711	UG/ML
57	4-NITROANILINE	138	B1# 51	1455	3	1.098	0.628	77.348	UG/ML
58	4,6-DINITRO-2-METHYLPHENOL	198	B1# 55	1462	4	0.898	0.327	84.943	UG/ML
59	N-NITROSODIPHENYLAMINE	169	B1# 56CC	1466	4	0.900	1.103	83.791	UG/ML
60	AZOBENENE	77	B1# 57	1471	4	0.904	2.044	93.075	UG/ML
61	4-BROMOPHENYL-PHENYLETHER	248	B1# 58	1508	4	0.945	0.342	79.412	UG/ML

63	PENTACHLOROPHENOL	266	B1#	60CC	1603	4	0.985	0.268	82.022	UG/ML
64	PHENANTHRENE	178	B1#	61	1634	4	1.004	2.015	81.249	UG/ML
65	ANTHRACENE	178	B1#	62	1643	4	1.009	2.118	83.249	UG/ML
66	DI-N-BUTYLPHTHALATE	149	B1#	63	1765	4	1.084	2.894	83.341	UG/ML
67	FLUORANTHENE	202	B1#	64CC	1881	4	1.155	1.933	83.853	UG/ML
68	BENZIDINE	184	B1#	66	1911	5	0.876	0.828	170.743	UG/ML
69	PYRENE	202	B1#	67	1927	5	0.884	2.103	70.586	UG/ML
70	BUTYLBENZYLPHTHALATE	149	B1#	68	2074	5	0.951	1.267	71.420	UG/ML
71	3,3'-DICHLOROBENZIDINE	252	B1#	69	2178	5	0.999	0.805	179.175	UG/ML
72	BENZO(A)ANTHRACENE	228	B1#	70	2176	5	0.998	2.084	80.202	UG/ML
73	CHRYSENE	228	B1#	71	2188	5	1.003	1.965	85.475	UG/ML
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	2198	5	1.008	1.868	72.242	UG/ML
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC	2319	6	0.942	3.116	70.310	UG/ML
76	BENZO(B)FLUORANTHENE	252	B1#	76	2397	6	0.974	2.312	87.525	UG/ML
77	BENZO(K)FLUORANTHENE	252	B1#	77	2397	6	0.974	2.301	82.403	UG/ML
78	BENZO(A)PYRENE	252	B1#	78CC	2452	6	0.996	2.021	83.369	UG/ML
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	2693	6	1.094	2.367	77.249	UG/ML
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	2700	6	1.097	1.956	78.929	UG/ML
81	BENO(GHI)PERYLENE	276	B1#	81	2762	6	1.122	1.917	76.024	UG/ML

02000

QUANTITATION REPORT FILE: STDUU929

DATA: STDUU929.TI
03/15/88 13:50:00
SAMPLE: 80 UG/ML HSL STD
SUBMITTED BY: RMAL ANALYST: KS

02001

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

NO	NAME			
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1
2	D8-NAPHTHALENE	136	IB1#	18
3	D10-ACENAPHTHENE	164	IB1#	33
4	D10-PHENANTHRENE	188	IB1#	54
5	D12-CHRYSENE	240	IB1#	65
6	D12-PERYLENE	264	IB1#	74
7	D5-NITROBENZENE	82	SB1#	32
8	2-FLUOROBIPHENYL	172	SB1#	52
9	D14-TERPHENYL	244	SB1#	73
10	D5-PHENOL	99	SB1#	17
11	2-FLUOROPHENOL	112	SB1#	16
12	2,4,6-TRIBROMOPHENOL	330	SB1#	53
13	N-NITROSODIMETHYLAMINE	74	B1#	02
14	PHENOL	94	B1#	03CC
15	ANILINE	93	B1#	04
16	BIS(2-CHLOROETHYL)ETHER	93	B1#	05
17	2-CHLOROPHENOL	128	B1#	06
18	1,3-DICHLOROBENZENE	146	B1#	07
19	1,4-DICHLOROBENZENE	146	B1#	08CC
20	BENZYL ALCOHOL	108	B1#	09
21	1,2-DICHLOROBENZENE	146	B1#	10
22	2-METHYLPHENOL	108	B1#	11
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12
24	4-METHYLPHENOL	108	B1#	13
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14SP
26	HEXACHLOROETHANE	117	B1#	15
27	NITROBENZENE	77	B1#	19
28	ISOPHORONE	82	B1#	20
29	2-NITROPHENOL	139	B1#	21CC
30	2,4-DIMETHYLPHENOL	107	B1#	22
31	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22
32	BENZOIC ACID	122	B1#	24
33	2,4-DICHLOROPHENOL	162	B1#	25CC
34	1,2,4-TRICHLOROBENZENE	180	B1#	26
35	NAPHTHALENE	128	B1#	27
36	4-CHLOROANILINE	127	B1#	28
37	HEXACHLOROBUTADIENE	223	B1#	29CC
38	4-CHLORO-3-METHYLPHENOL	107	B1#	30CC
39	2-METHYLNAPHTHALENE	142	B1#	31
40	HEXACHLOROCYCLOPENTADIENE	237	B1#	34SP
41	2,4,6-TRICHLOROPHENOL	196	B1#	35CC
42	2,4,5-TRICHLOROPHENOL	196	B1#	36
43	2-CHLORONAPHTHALENE	162	B1#	37
44	2-NITROANILINE	65	B1#	38
45	DIMETHYL PHTHALATE	163	B1#	39
46	ACENAPHTHALENE	152	B1#	40

02002

NO	NAME			
47	2,6-DINITROTOLUENE	165	B1#	41
48	3-NITROANILINE	138	B1#	42
49	ACENAPHTHENE	153	B1#	43CC
50	2,4-DINITROPHENOL	184	B1#	44SP
51	4-NITROPHENOL	109	B1#	45SP
52	DIBENZOFURAN	168	B1#	46
53	2,4-DINITROTOLUENE	165	B1#	47
54	DIETHYLPHTHALATE	149	B1#	48
55	FLUORENE	166	B1#	49
56	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50
57	4-NITROANILINE	138	B1#	51
58	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55
59	N-NITROSODIPHENYLAMINE	169	B1#	56CC
60	AZOBENENE	77	B1#	57
61	4-BROMOPHENYL-PHENYLETHER	248	B1#	58
62	HEXACHLOROBENZENE	284	B1#	59
63	PENTACHLOROPHENOL	266	B1#	60CC
64	PHENANTHRENE	178	B1#	61
65	ANTHRACENE	178	B1#	62
66	DI-N-BUTYLPHTHALATE	149	B1#	63
67	FLUORANTHENE	202	B1#	64CC
68	BENZIDINE	184	B1#	66
69	PYRENE	202	B1#	67
70	BUTYLBENZYLPHTHALATE	149	B1#	68
71	3,3'-DICHLOROBENZIDINE	252	B1#	69
72	BENZO(A)ANTHRACENE	228	B1#	70
73	CHRYSENE	228	B1#	71
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC
76	BENZO(B)FLUORANTHENE	252	B1#	76
77	BENZO(K)FLUORANTHENE	252	B1#	77
78	BENZO(A)PYRENE	252	B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80
81	BENO(GHI)PERYLENE	276	B1#	81

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	728	9:06	1	1.000	A BB	11722.	40.000	UG/ML	0.59
2	136	968	12:06	2	1.000	# BV	43107.	40.000	UG/ML	0.59
3	164	1325	16:34	3	1.000	A BB	22436.	40.000	UG/ML	0.59
4	188	1628	20:21	4	1.000	A BB	32424.	40.000	UG/ML	0.59
5	240	2181	27:16	5	1.000	A BB	30078.	40.000	UG/ML	0.59
6	264	2462	30:46	6	1.000	# BB	31854.	40.000	UG/ML	0.59
7	82	835	10:26	2	0.863	A BB	37842.	83.030	UG/ML	1.23
8	172	1191	14:53	3	0.899	A BB	61606.	84.029	UG/ML	1.25
9	244	1963	24:32	5	0.900	A BB	48056.	68.554	UG/ML	1.02
10	99	678	8:28	1	0.931	# BV	96933.	161.391	UG/ML	2.40
11	112	525	6:34	1	0.721	# BV	72510.	165.544	UG/ML	2.46
12	330	1491	18:38	3	1.125	A BB	13995.	164.362	UG/ML	2.44
13	74	340	4:15	1	0.467	# VV	28882.	79.653	UG/ML	1.18
14	94	680	8:30	1	0.934	# BV	61122.	89.476	UG/ML	1.33
15	93	679	8:29	1	0.933	# BV	70197.	84.764	UG/ML	1.26
16	93	692	8:39	1	0.951	# VV	43476.	81.304	UG/ML	1.21
17	128	697	8:43	1	0.957	A BB	35545.	78.453	UG/ML	1.16
18	146	721	9:01	1	0.990	# BV	37922.	81.780	UG/ML	1.21
19	146	731	9:08	1	1.004	# VV	42971.	83.332	UG/ML	1.24

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGHT)	AMOUNT		%TOT
20	108	759	9:29	1	1.043	# BV	22439.	79.076	UG/ML	1.17
21	146	764	9:33	1	1.049	A BB	38791.	81.833	UG/ML	1.21
22	108	782	9:46	1	1.074	# VV	33247.	80.631	UG/ML	1.20
23	45	788	9:51	1	1.082	# BV	71648.	81.396	UG/ML	1.21
24	108	811	10:08	1	1.114	A BB	35605.	80.516	UG/ML	1.19
25	70	818	10:13	1	1.124	A BB	30859.	79.995	UG/ML	1.19
26	117	819	10:14	1	1.125	A BB	16121.	82.381	UG/ML	1.22
27	77	839	10:29	2	0.867	# BV	38933.	81.862	UG/ML	1.22
28	82	885	11:04	2	0.914	# BV	72822.	80.016	UG/ML	1.19
29	139	899	11:14	2	0.929	A BB	20295.	83.902	UG/ML	1.25
30	107	910	11:22	2	0.940	A BB	31029.	84.438	UG/ML	1.25
31	93	930	11:37	2	0.961	A BB	45624.	83.127	UG/ML	1.23
32	122	946	11:49	2	0.977	M XX	23486.	36.890	UG/ML	0.55
33	162	945	11:49	2	0.976	A BB	26010.	82.034	UG/ML	1.22
34	180	960	12:00	2	0.992	# BV	27560.	83.351	UG/ML	1.24
35	128	972	12:09	2	1.004	# BV	106283.	86.123	UG/ML	1.28
36	127	988	12:21	2	1.021	A BB	42561.	81.354	UG/ML	1.21
37	225	1009	12:37	2	1.042	A BB	13616.	83.984	UG/ML	1.25
38	107	1087	13:35	2	1.123	A BB	28466.	81.839	UG/ML	1.21
39	142	1110	13:52	2	1.147	A BB	62807.	81.616	UG/ML	1.21
40	237	1156	14:27	3	0.872	A BB	13881.	85.627	UG/ML	1.27
41	196	1173	14:40	3	0.885	M XX	15939.	79.044	UG/ML	1.17
42	196	1181	14:46	3	0.891	M XX	18462.	84.314	UG/ML	1.25
43	162	1208	15:06	3	0.912	M XX	57480.	85.575	UG/ML	1.27
44	65	1238	15:28	3	0.934	A BB	20968.	83.414	UG/ML	1.24
45	163	1285	16:04	3	0.970	A BB	64854.	82.381	UG/ML	1.22
46	152	1294	16:10	3	0.977	A BB	89945.	82.336	UG/ML	1.22
47	165	1298	16:13	3	0.980	A BB	16599.	80.268	UG/ML	1.19
48	138	1325	16:34	3	1.000	A BB	19234.	79.480	UG/ML	1.18
49	153	1333	16:40	3	1.006	A BB	56211.	81.399	UG/ML	1.21
50	184	1344	16:48	3	1.014	A BB	9551.	80.170	UG/ML	1.19
51	109	1362	17:01	3	1.028	A BB	7296.	80.386	UG/ML	1.19
52	168	1366	17:04	3	1.031	A BB	78252.	83.585	UG/ML	1.24
53	165	1377	17:13	3	1.039	A BB	20713.	79.473	UG/ML	1.18
54	149	1432	17:54	3	1.081	# BV	68534.	85.081	UG/ML	1.26
55	166	1437	17:58	3	1.085	A BB	66170.	82.296	UG/ML	1.22
56	204	1438	17:58	3	1.085	A BB	29025.	82.711	UG/ML	1.23
57	138	1455	18:11	3	1.098	A BB	17607.	77.348	UG/ML	1.15
58	198	1462	18:16	4	0.898	A BB	13257.	84.943	UG/ML	1.26
59	169	1466	18:19	4	0.900	A BB	44714.	83.791	UG/ML	1.24
60	77	1471	18:23	4	0.904	# VV	82859.	93.075	UG/ML	1.38
61	248	1538	19:13	4	0.945	A BB	13881.	79.412	UG/ML	1.18
62	284	1566	19:34	4	0.962	A BB	15408.	83.661	UG/ML	1.24
63	266	1603	20:02	4	0.985	A BB	10878.	82.022	UG/ML	1.22
64	178	1634	20:25	4	1.004	# BV	81675.	81.249	UG/ML	1.21
65	178	1643	20:32	4	1.009	# VV	85822.	83.249	UG/ML	1.24
66	149	1765	22:04	4	1.084	# BB	117304.	83.341	UG/ML	1.24
67	202	1881	23:31	4	1.155	A BB	78342.	83.853	UG/ML	1.24
68	184	1911	23:53	5	0.876	# BV	62226.	170.743	UG/ML	2.53
69	202	1927	24:05	5	0.884	A BB	79057.	70.586	UG/ML	1.05
70	149	2074	25:55	5	0.951	A BB	47648.	71.420	UG/ML	1.06
71	252	2178	27:13	5	0.999	# BB	60545.	179.175	UG/ML	2.66
72	228	2176	27:12	5	0.998	# BV	78335.	60.202	UG/ML	1.19
73	228	2188	27:21	5	1.003	# VV	73863.	85.475	UG/ML	1.27
74	149	2198	27:28	5	1.008	# VB	70234.	72.242	UG/ML	1.07
75	149	2319	28:59	6	0.942	# BV	124080.	70.310	UG/ML	1.04

02003

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGHT)	AMOUNT		%TOT
76	252	2392	29:54	6	0.972	M XX	89282.	84.877	UG/ML	1.26
77	252	2397	29:58	6	0.974	M XX	91259.	82.065	UG/ML	1.22
78	252	2452	30:39	6	0.996	# BV	80452.	83.369	UG/ML	1.24
79	276	2693	33:40	6	1.094	# BV	94252.	77.249	UG/ML	1.15
80	278	2700	33:45	6	1.097	# BV	77876.	78.929	UG/ML	1.17
81	276	2762	34:31	6	1.122	# BV	76324.	76.024	UG/ML	1.13

RMAL QUANTITATION SUMMARY FILE: STDUU929
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

02005

NO	NAME			SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	D4-1,4-DICHLOROBENZENE	152	IB1# 1	728	1	1.000	1.000	40.000	UG/ML
2	D8-NAPHTHALENE	136	IB1# 18	968	2	1.000	1.000	40.000	UG/ML
3	D10-ACENAPHTHENE	164	IB1# 33	1325	3	1.000	1.000	40.000	UG/ML
4	D10-PHENANTHRENE	188	IB1# 54	1628	4	1.000	1.000	40.000	UG/ML
5	D12-CHRYSENE	240	IB1# 65	2161	5	1.000	1.000	40.000	UG/ML
6	D12-PERYLENE	264	IB1# 74	2462	6	1.000	1.000	40.000	UG/ML
7	D5-NITROBENZENE	82	SB1# 32	805	2	0.863	0.702	83.030	UG/ML
8	2-FLUOROBIPHENYL	172	SB1# 52	1191	3	0.899	2.197	84.029	UG/ML
9	D14-TERPHENYL	244	SB1# 73	1963	5	0.900	1.278	68.554	UG/ML
10	D5-PHENOL	99	SB1# 17	678	1	0.931	3.305	161.391	UG/ML
11	2-FLUOROPHENOL	112	SB1# 16	525	1	0.721	2.472	165.544	UG/ML
12	2,4,6-TRIBROMOPHENOL	330	SB1# 53	1491	3	1.125	0.250	164.362	UG/ML
13	N-NITROSODIMETHYLAMINE	74	B1# 02	340	1	0.467	1.969	79.653	UG/ML
14	PHENOL	94	B1# 03CC	680	1	0.934	4.168	89.476	UG/ML
15	ANILINE	93	B1# 04	679	1	0.933	4.787	84.784	UG/ML
16	BIS(2-CHLOROETHYL)ETHER	93	B1# 05	692	1	0.951	2.965	81.304	UG/ML
17	2-CHLOROPHENOL	128	B1# 06	697	1	0.957	2.424	78.453	UG/ML
18	1,3-DICHLOROBENZENE	146	B1# 07	721	1	0.990	2.586	81.780	UG/ML
19	1,4-DICHLOROBENZENE	146	B1# 08CC	731	1	1.004	2.930	83.332	UG/ML
20	BENZYL ALCOHOL	108	B1# 09	759	1	1.043	1.530	79.076	UG/ML
21	1,2-DICHLOROBENZENE	146	B1# 10	764	1	1.049	2.645	81.833	UG/ML
22	2-METHYLPHENOL	108	B1# 11	782	1	1.074	2.267	80.631	UG/ML
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1# 12	788	1	1.082	4.285	81.396	UG/ML
24	4-METHYLPHENOL	108	B1# 13	811	1	1.114	2.428	80.516	UG/ML
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1# 14SP	818	1	1.124	2.104	79.995	UG/ML
26	HEXACHLOROETHANE	117	B1# 15	819	1	1.125	1.099	82.381	UG/ML
27	NITROBENZENE	77	B1# 19	809	2	0.867	0.723	81.882	UG/ML
28	ISOPHORONE	82	B1# 20	865	2	0.914	1.351	80.016	UG/ML
29	2-NITROPHENOL	139	B1# 21CC	899	2	0.929	0.377	83.902	UG/ML
30	2,4-DIMETHYLPHENOL	107	B1# 22	910	2	0.940	0.576	84.438	UG/ML
31	BIS(2-CHLOROETHOXY)METHANE	93	B1# 23	930	2	0.961	0.647	83.127	UG/ML
32	BENZOIC ACID	122	B1# 24	946	2	0.977	0.436	36.890	UG/ML
33	2,4-DICHLOROPHENOL	162	B1# 25CC	945	2	0.976	0.483	82.034	UG/ML
34	1,2,4-TRICHLOROBENZENE	180	B1# 26	960	2	0.992	0.512	83.351	UG/ML
35	NAPHTHALENE	128	B1# 27	972	2	1.004	1.972	86.123	UG/ML
36	4-CHLOROANILINE	127	B1# 28	988	2	1.021	0.790	81.354	UG/ML
37	HEXACHLOROBUTADIENE	223	B1# 29CC	1009	2	1.042	0.253	83.984	UG/ML
38	4-CHLORO-3-METHYLPHENOL	107	B1# 30CC	1067	2	1.123	0.528	81.839	UG/ML
39	2-METHYLNAPHTHALENE	142	B1# 31	1110	2	1.147	1.166	81.616	UG/ML
40	HEXACHLOROCYCLOPENTADIENE	237	B1# 34SP	1156	3	0.872	0.495	85.627	UG/ML
41	2,4,6-TRICHLOROPHENOL	196	B1# 35CC	1173	3	0.885	0.568	79.044	UG/ML
42	2,4,5-TRICHLOROPHENOL	196	B1# 36	1181	3	0.891	0.658	84.314	UG/ML
43	2-CHLORONAPHTHALENE	162	B1# 37	1208	3	0.912	2.050	85.575	UG/ML
44	2-NITROANILINE	65	B1# 38	1238	3	0.934	0.748	83.414	UG/ML
45	DIMETHYL PHTHALATE	163	B1# 39	1285	3	0.970	2.312	82.381	UG/ML
46	ACENAPHTHALENE	152	B1# 40	1294	3	0.977	3.207	82.336	UG/ML
47	2,6-DINITROTOLUENE	165	B1# 41	1298	3	0.980	0.592	80.268	UG/ML
48	3-NITROANILINE	138	B1# 42	1325	3	1.000	0.686	79.480	UG/ML
49	ACENAPHTHENE	153	B1# 43CC	1333	3	1.006	2.004	81.399	UG/ML
50	2,4-DINITROPHENOL	184	B1# 44SP	1344	3	1.014	0.341	80.170	UG/ML
51	4-NITROPHENOL	109	B1# 45SP	1362	3	1.028	0.260	80.366	UG/ML
52	DIBENZOFURAN	168	B1# 46	1366	3	1.031	2.791	83.585	UG/ML
53	2,4-DINITROTOLUENE	165	B1# 47	1377	3	1.039	0.739	79.473	UG/ML
54	DIETHYLPHTHALATE	149	B1# 48	1432	3	1.081	2.444	85.081	UG/ML
55	FLUORENE	166	B1# 49	1437	3	1.085	2.359	82.296	UG/ML
56	4-CHLOROPHENYL-PHENYLETHER	204	B1# 50	1438	3	1.085	1.035	82.711	UG/ML
57	4-NITROANILINE	138	B1# 51	1455	3	1.098	0.628	77.348	UG/ML
58	4,6-DINITRO-2-METHYLPHENOL	198	B1# 55	1462	4	0.898	0.327	84.943	UG/ML
59	N-NITROSODIPHENYLAMINE	169	B1# 56CC	1466	4	0.900	1.103	83.791	UG/ML
60	AZOBENENE	77	B1# 57	1471	4	0.904	2.044	93.075	UG/ML
61	4-BROMOPHENYL-PHENYLETHER	248	B1# 58	1538	4	0.945	0.342	79.412	UG/ML

62	HEXACHLOROBENZENE	284	B1#	60	1513	4	0.932	1.031	83.111	UG/ML
63	PENTACHLOROPHENOL	266	B1#	60CC	1603	4	0.985	0.268	82.022	UG/ML
64	PHENANTHRENE	178	B1#	61	1634	4	1.004	2.015	81.249	UG/ML
65	ANTHRACENE	178	B1#	62	1643	4	1.009	2.118	83.249	UG/ML
66	DI-N-BUTYLPHTHALATE	149	B1#	63	1765	4	1.084	2.894	83.341	UG/ML
67	FLUORANTHENE	202	B1#	64CC	1881	4	1.155	1.933	83.853	UG/ML
68	BENZIDINE	184	B1#	66	1911	5	0.876	0.828	170.743	UG/ML
69	PYRENE	202	B1#	67	1927	5	0.884	2.103	70.586	UG/ML
70	BUTYLBENZYLPHTHALATE	149	B1#	68	2074	5	0.951	1.267	71.420	UG/ML
71	3,3'-DICHLOROBENZIDINE	252	B1#	69	2178	5	0.999	0.805	179.175	UG/ML
72	BENZO(A)ANTHRACENE	228	B1#	70	2176	5	0.998	2.084	80.202	UG/ML
73	CHRYSENE	228	B1#	71	2188	5	1.003	1.965	85.475	UG/ML
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	2198	5	1.008	1.868	72.242	UG/ML
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC	2319	6	0.942	3.116	70.310	UG/ML
76	BENZO(B)FLUORANTHENE	252	B1#	76	2392	6	0.972	2.242	84.877	UG/ML
77	BENZO(K)FLUORANTHENE	252	B1#	77	2397	6	0.974	2.292	82.085	UG/ML
78	BENZO(A)PYRENE	252	B1#	78CC	2452	6	0.996	2.021	83.369	UG/ML
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	2693	6	1.094	2.367	77.249	UG/ML
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	2700	6	1.097	1.956	78.929	UG/ML
81	BENO(GHI)PERYLENE	276	B1#	81	2762	6	1.122	1.917	76.024	UG/ML

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE :0:STDUU930. STARTED : 3/23/88 10:27:34

02007

3/15/88 14:38:42 SCAN 1 OF 3000
Acquisition started

Acquire Run 0:~~STDU930~~ STDUU930 ACQUIRING
03/15/88 14:38:00 + 0:03 Free sectors: 6287 Scan: 4 of 3000
Sample: 120 UG/ML HSL STD
Conds.: AUTO INJ./GC DESC ST
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No: 50 UG/ML

********** 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.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	

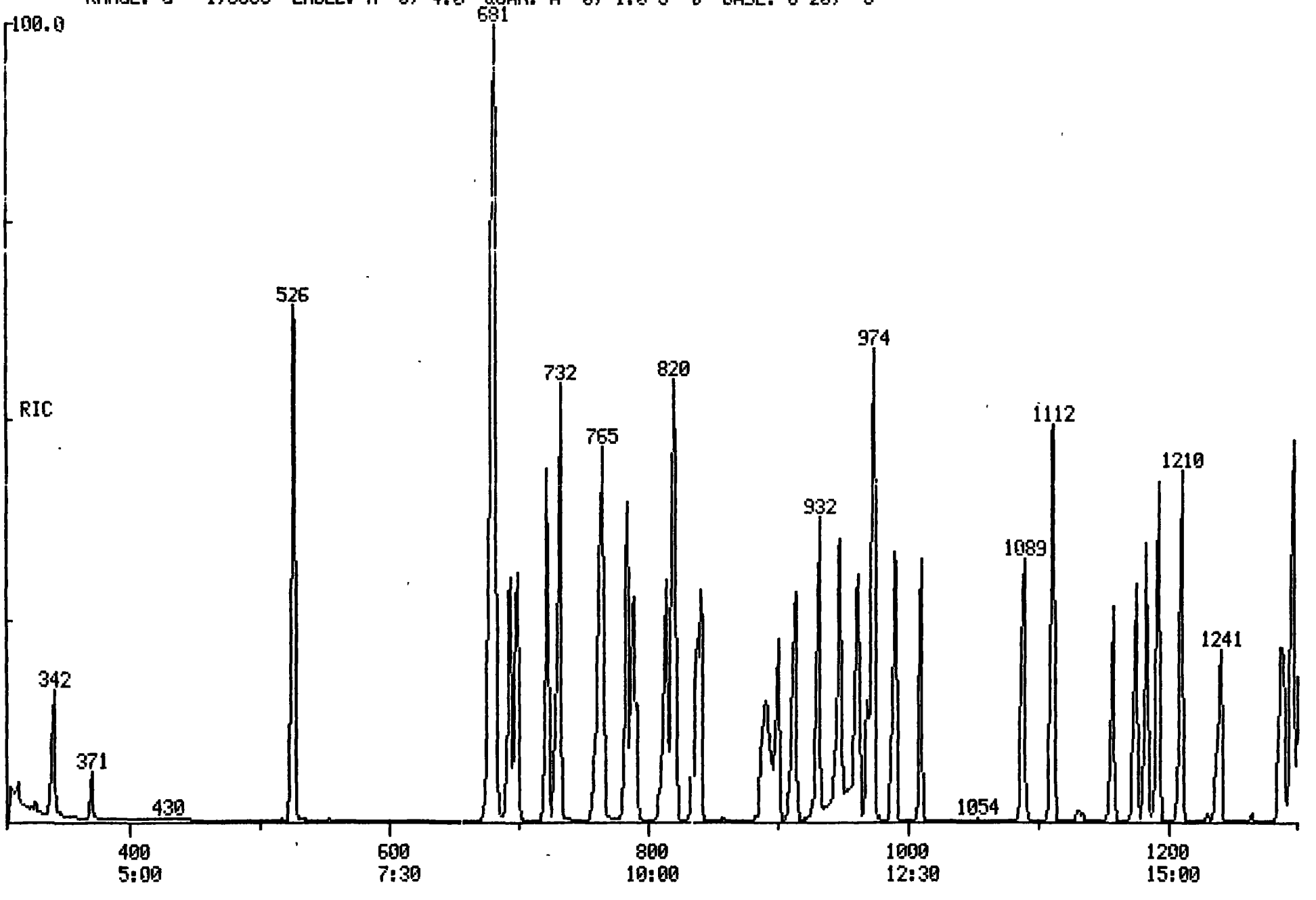
3/15/88 15:16:15
ACQUISITION COMPLETED
SCANS 1 TO 3000 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3000	297.8	2250.0	13.2	53249.	18. 24.

80020

RIC
03/15/88 14:38:00
SAMPLE: 120 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU030 #1 SCANS 300 TO 1309
CALI: 031588CU #5 OUT OF 300 TO 3000



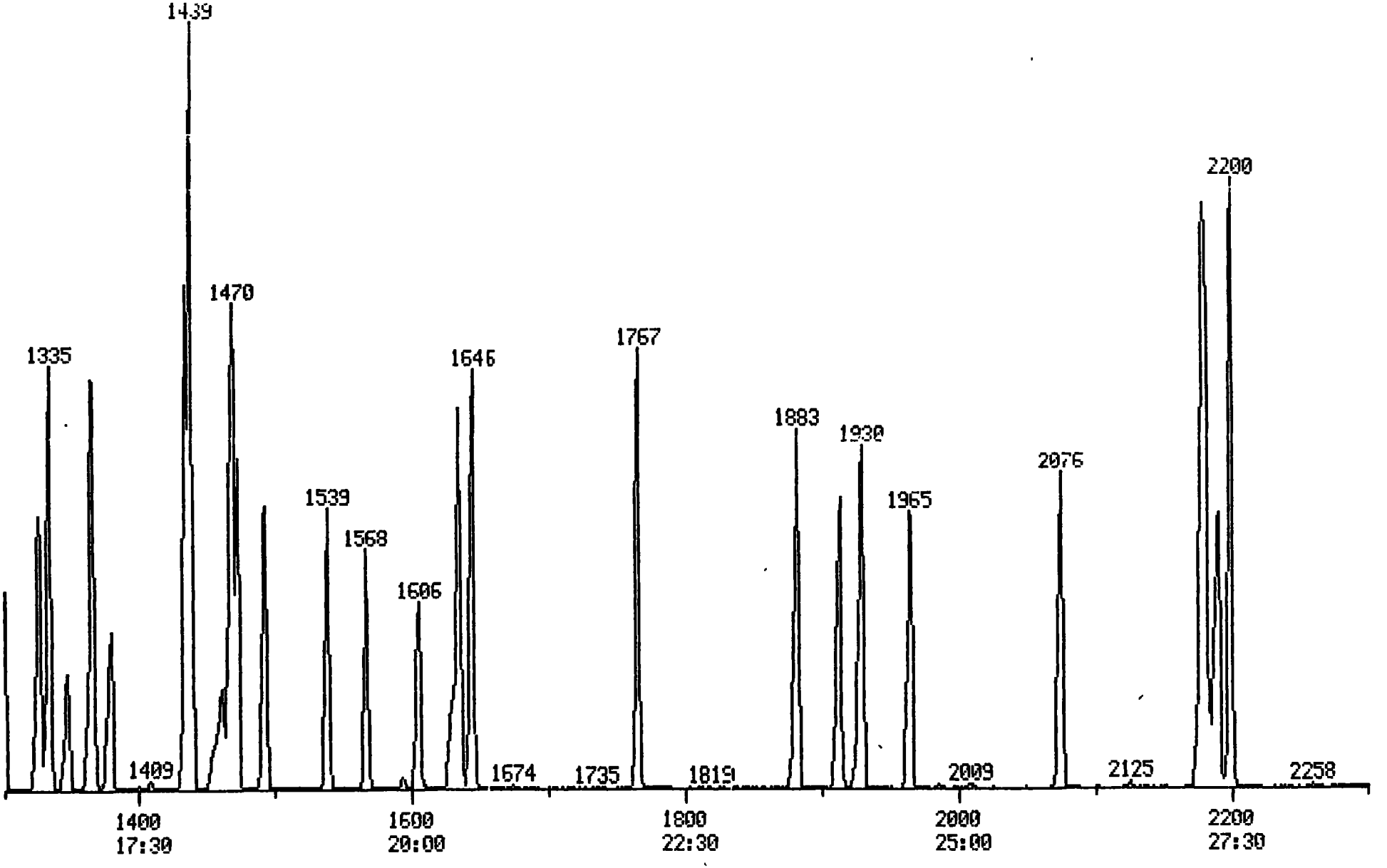
02006

PIC
03/15/88 14:38:00
SAMPLE: 120 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU030 #1
CALI: 031588CU #5

SCANS 1200 TO 2200
OUT OF 300 TO 3000

100.0



02010

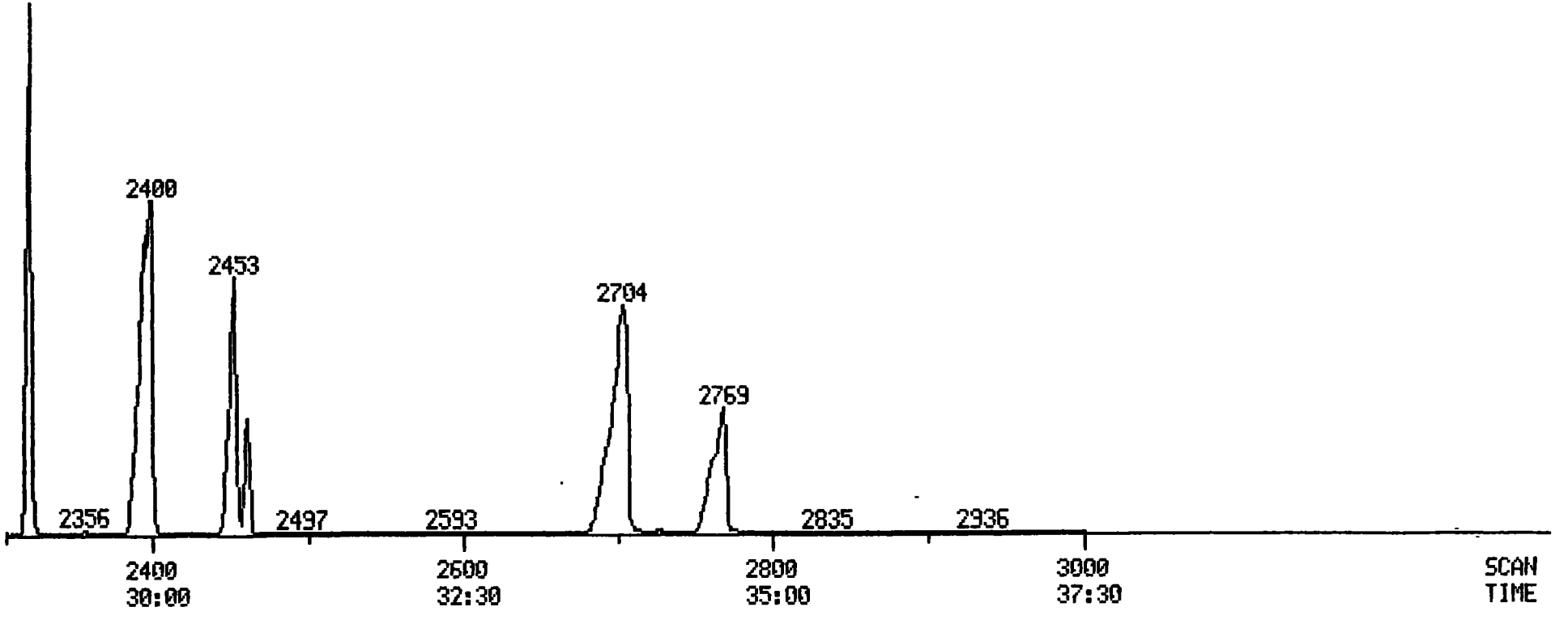
PIC
03/15/88 14:38:00
SAMPLE: 120 UG/ML HSL STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU930 #1
CALI: 031588CU #5

SCANS 2200 TO 2000
OUT OF 300 TO 3000

100.0

266240.



STDUU930
031588CU
03/15/88
120 UG/ML HSL STD

02011

NO	LIB	ID	M/E	SCAN	FRED	DELTA	FIT	PUR	MATCH	AREA
1	B1	D4-1	152	728	727	-1	967	727	92.	13692.
2	B1	N-NI	74	342	340	-2	997	848	100.	50300.
3	B1	PHEN	94	682	679	-3	962	426	77.	117232.
4	B1	ANIL	93	681	679	-2	894	359	70.	133073.
5	B1	BIS(	93	694	692	-2	983	830	98.	81493.
6	B1	2-CH	128	699	697	-2	988	639	89.	67162.
7	B1	1,3-	146	722	722	0	990	749	94.	73827.
8	B1	1,4-	146	732	731	-1	990	746	94.	78343.
9	B1	BENZ	108	763	759	-4	988	485	81.	46382.
10	B1	1,2-	146	765	764	-1	990	725	93.	73343.
11	B1	2-ME	108	784	782	-2	986	755	95.	60007.
12	B1	BIS(	45	789	788	-1	963	576	85.	135398.
				-792		-4	989	447	79.	
13	B1	4-ME	108	814	811	-3	958	651	88.	63843.
14	B1	N-NI	70	822	816	-6	997	318	73.	63449.
15	B1	HEXA	117	820	820	0	992	541	84.	31738.
16	B1	2-FL	112	526	526	0	996	616	88.	139309.
17	B1	D5-P	99	681	677	-4	970	268	69.	193807.
18	B1	D8-N	136	969	967	-2	996	592	87.	51464.
19	B1	NITR	77	841	840	-1	1000	843	100.	77097.
20	B1	ISOP	82	891	886	-5	981	576	85.	134892.
				-883		3	982	446	79.	
21	B1	2-NI	139	900	900	0	988	611	87.	38561.
22	B1	2,4-	107	714	711	-3	775	664	70.	36334.
23	B1	BIS(	93	732	731	-1	778	841	77.	87171.
24	B1	BENZ	122	747	746	-1	771	107	61.	24111.
25	B1	2,4-	102	747	746	-1	778	582	86.	49096.
26	B1	1,2,	109	761	762	1	772	641	87.	30175.
27	B1	NAPH	128	774	773	-1	737	736	71.	209220.
28	B1	4-CH	127	779	779	0	788	588	86.	80852.
29	B1	HEXA	220	1010	1010	0	771	703	72.	25178.
30	B1	4-CH	107	1087	1088	-1	779	634	87.	34397.
31	B1	2-ME	142	1111	1111	0	779	701	72.	121862.
32	B1	D8-N	82	837	836	-1	777	578	86.	70737.
33	B1	BIP-	184	1326	1326	0	777	343	73.	27872.
34	B1	HEXA	237	1137	1136	-1	773	669	70.	25905.
35	B1	2,4,	178	1173	1173	-2	787	677	71.	30700.
				-1180		-7	964	63?	76.	
36	B1	2,4,	178	1183	1180	-3	788	577	87.	33327.
				-1175		5	990	585	86.	
37	B1	2-CH	102	1210	1208	-2	783	634	87.	107270.
38	B1	2-NI	88	1271	1268	-3	778	667	71.	37770.
39	B1	DIME	168	1287	1284	-3	773	721	72.	124071.
40	B1	ACEN	152	1278	1273	-5	737	704	74.	173274.
41	B1	2,6-	183	1301	1277	-4	773	607	88.	32313.
42	B1	3-NI	138	1328	1324	-4	788	582	78.	37377.
43	B1	ACEN	153	1335	1333	-2	986	684	91.	109705.
44	B1	2,4-	184	1348	1343	-5	985	589	86.	20099.
45	B1	4-NI	107	1306	1301	-5	742	312	70.	13177.
46	B1	DIBE	168	1287	1288	-2	773	578	80.	133274.
47	B1	2,4-	183	1381	1378	-3	773	647	87.	40240.
48	B1	DIET	147	1433	1430	-3	738	586	83.	140824.
49	B1	FLUO	166	1437	1436	-3	714	338	70.	134423.
50	B1	4-CH	204	1440	1437	-3	792	480	81.	37309.
51	B1	4-NI	138	1462	1453	-9	982	608	88.	33407.

53	B1	2,4,	330	1493	1490	-3	985	591	86.	26431.
54	B1	B10-	188	1630	1628	-2	771	621	88.	40221.
[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]	[illegible]
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[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]	[illegible]
61	B1	FMEN	178	1638	1638	-1	782	724	71.	162307.
62	B1	ANTH	178	1646	1644	-2	737	719	70.	166821.
				-1636		8	952	724	68.	
63	B1	BI-N	147	1767	1767	0	742	637	87.	237416.
64	B1	FLUO	202	1868	1862	-1	773	673	71.	130798.
65	B1	BIZ-	249	2189	2181	-2	737	433	76.	34139.
66	B1	BENZ	184	1714	1712	-2	774	472	82.	123933.
67	B1	PYRE	202	1730	1727	-1	762	721	72.	132078.
68	B1	BUTY	147	2078	2078	0	773	637	87.	71693.
69	B1	B,B'	202	2181	2178	-3	768	377	76.	76686.
70	B1	BENZ	228	2177	2178	-1	778	403	77.	133097.
71	B1	BHNT	228	2179	2187	-1	774	727	74.	123874.
72	B1	BIB1	147	2288	2288	0	771	579	87.	142103.
73	B1	B14-	244	1768	1768	0	771	513	82.	92206.
74	B1	BIB-	284	2482	2487	-3	786	675	71.	30938.
75	B1	BI-N	147	2021	2022	1	773	542	84.	221363.
76	B1	BENZ	202	2078	2078	-3	788	758	73.	203872.
				-2399		-6	982	759	95.	
77	B1	BENZ	202	2377	2378	-1	788	763	73.	110310.
				-2396		2	987	758	95.	
78	B1	BENZ	202	2483	2482	-1	778	603	77.	119499.
79	B1	INDE	278	2782	2878	-6	786	511	82.	133782.
				-2705		-9	982	547	56.	
80	B1	BIBE	278	2784	2877	-7	722	577	72.	111362.
81	B1	BENO	278	2787	2783	-6	778	619	77.	63788.
				-2762		1	991	796	97.	

02012

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02013

No	Name			
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1
2	N-NITROSODIMETHYLAMINE	74	B1#	02
3	PHENOL	94	B1#	03CC
4	ANILINE	93	B1#	04
5	BIS(2-CHLOROETHYL)ETHER	93	B1#	05
6	2-CHLOROPHENOL	128	B1#	06
7	1,3-DICHLOROBENZENE	146	B1#	07
8	1,4-DICHLOROBENZENE	146	B1#	08CC
9	BENZYL ALCOHOL	108	B1#	09
10	1,2-DICHLOROBENZENE	146	B1#	10
11	2-METHYLPHENOL	108	B1#	11
12	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12
13	4-METHYLPHENOL	108	B1#	13
14	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14SP
15	HEXACHLOROETHANE	117	B1#	15
16	2-FLUOROPHENOL	112	SB1#	16
17	D5-PHENOL	99	SB1#	17
18	D8-NAPHTHALENE	136	IB1#	18
19	NITROBENZENE	77	B1#	19
20	ISOPHORONE	82	B1#	20
21	2-NITROPHENOL	139	B1#	21CC
22	2,4-DIMETHYLPHENOL	107	B1#	22
23	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22
24	BENZOIC ACID	122	B1#	24
25	2,4-DICHLOROPHENOL	162	B1#	25CC
26	1,2,4-TRICHLOROBENZENE	180	B1#	26
27	NAPHTHALENE	128	B1#	27
28	4-CHLOROANILINE	127	B1#	28
29	HEXACHLOROBUTADIENE	223	B1#	29CC
30	4-CHLORO-3-METHYLPHENOL	107	B1#	30CC
31	2-METHYLNAPHTHALENE	142	B1#	31
32	D5-NITROBENZENE	82	SB1#	32
33	D10-ACENAPHTHENE	164	IB1#	33
34	HEXACHLOROCYCLOPENTADIENE	237	B1#	34SP
35	2,4,6-TRICHLOROPHENOL	196	B1#	35CC
36	2,4,5-TRICHLOROPHENOL	196	B1#	36
37	2-CHLORONAPHTHALENE	162	B1#	37
38	2-NITROANILINE	65	B1#	38
39	DIMETHYL PHTHALATE	163	B1#	39
40	ACENAPHTHALENE	152	B1#	40
41	2,6-DINITROTOLUENE	165	B1#	41
42	3-NITROANILINE	138	B1#	42
43	ACENAPHTHENE	153	B1#	43CC
44	2,4-DINITROPHENOL	184	B1#	44SP
45	4-NITROPHENOL	109	B1#	45SP
46	DIBENZOFURAN	168	B1#	46
47	2,4-DINITROTOLUENE	165	B1#	47
48	DIETHYLPHTHALATE	149	B1#	48
49	FLUORENE	166	B1#	49
50	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	728	9:06	1	1.000	A BB	13692.	40.000	UG/ML	0.38
2	74	342	4:16	1	0.470	# VV	50300.	118.863	UG/ML	1.12
3	94	682	8:31	1	0.937	# BV	117233.	147.050	UG/ML	1.38
4	93	681	8:31	1	0.935	# BV	133073.	137.718	UG/ML	1.29
5	93	694	8:40	1	0.953	# VV	81494.	130.584	UG/ML	1.23
6	128	699	8:44	1	0.960	# BV	67162.	127.017	UG/ML	1.19
7	146	722	9:01	1	0.992	# BV	73827.	136.422	UG/ML	1.28
8	146	732	9:09	1	1.005	# VV	78344.	130.180	UG/ML	1.22
9	108	763	9:32	1	1.048	# BV	46383.	140.058	UG/ML	1.31
10	146	765	9:34	1	1.051	# VV	73344.	132.576	UG/ML	1.24
11	108	784	9:48	1	1.077	# VV	60007.	124.698	UG/ML	1.17
12	45	789	9:52	1	1.084	# BV	135399.	131.802	UG/ML	1.24
13	108	814	10:10	1	1.118	# VV	63844.	123.709	UG/ML	1.16
14	70	822	10:16	1	1.129	# VV	63450.	140.933	UG/ML	1.32
15	117	820	10:15	1	1.126	A BB	31739.	138.971	UG/ML	1.30
16	112	526	6:34	1	0.723	# BV	139310.	272.525	UG/ML	2.56
17	99	681	8:31	1	0.935	# BV	193807.	276.494	UG/ML	2.59
18	136	969	12:07	18	1.000	# VV	51464.	40.000	UG/ML	0.38
19	77	841	10:31	18	0.868	# BV	77097.	135.815	UG/ML	1.27
20	82	891	11:08	18	0.920	# VB	134892.	124.150	UG/ML	1.17
21	139	900	11:15	18	0.929	# VB	38561.	133.527	UG/ML	1.25
22	107	914	11:25	18	0.943	# BV	56334.	128.406	UG/ML	1.21
23	93	932	11:39	18	0.962	# BV	87171.	133.036	UG/ML	1.25
24	122	947	11:50	18	0.977	# VV	24112.	31.723	UG/ML	0.30
25	162	947	11:50	18	0.977	A BB	49096.	129.702	UG/ML	1.22
26	180	961	12:01	18	0.992	# BV	50175.	127.013	UG/ML	1.19
27	128	974	12:10	18	1.005	# BV	205221.	139.290	UG/ML	1.31
28	127	990	12:22	18	1.022	# VB	80852.	129.449	UG/ML	1.21
29	225	1010	12:37	18	1.042	A BB	25178.	130.084	UG/ML	1.22
30	107	1089	13:37	18	1.124	# BV	54598.	131.480	UG/ML	1.23
31	142	1111	13:53	18	1.147	# BV	121862.	132.641	UG/ML	1.24
32	82	837	10:28	18	0.864	# BV	70737.	130.003	UG/ML	1.22
33	164	1326	16:34	33	1.000	A BB	27873.	40.000	UG/ML	0.38
34	237	1157	14:28	33	0.873	A BB	25905.	128.634	UG/ML	1.21
35	196	1175	14:41	33	0.886	# BV	30701.	122.555	UG/ML	1.15
36	196	1183	14:47	33	0.892	# VB	35330.	129.877	UG/ML	1.22
37	162	1210	15:07	33	0.913	# BV	109271.	130.950	UG/ML	1.23
38	65	1241	15:31	33	0.936	# VB	39970.	127.992	UG/ML	1.20
39	163	1287	16:05	33	0.971	A BB	124691.	127.497	UG/ML	1.20
40	152	1296	16:12	33	0.977	A BB	173275.	127.679	UG/ML	1.20
41	165	1301	16:16	33	0.981	A BB	32315.	125.788	UG/ML	1.18
42	138	1328	16:36	33	1.002	# BB	39399.	131.050	UG/ML	1.23
43	153	1335	16:41	33	1.007	A BB	109706.	127.878	UG/ML	1.20
44	184	1348	16:51	33	1.017	A BB	20100.	135.810	UG/ML	1.27
45	109	1366	17:04	33	1.030	A BB	15197.	134.776	UG/ML	1.26
46	168	1367	17:05	33	1.031	# BV	155295.	133.473	UG/ML	1.25
47	165	1381	17:16	33	1.041	A BB	40246.	124.299	UG/ML	1.17
48	149	1435	17:56	33	1.082	A BB	140824.	140.726	UG/ML	1.32
49	166	1439	17:59	33	1.085	A BB	134423.	134.575	UG/ML	1.26
50	204	1440	18:00	33	1.086	A BB	57310.	131.459	UG/ML	1.23

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:15	1.01	0.468	1.00	118.86	50.00	2.939	1.236	2.38
3	8:28	1.01	0.933	1.00	147.05	50.00	6.849	2.329	2.94
4	8:28	1.00	0.933	1.00	137.72	50.00	7.775	2.823	2.75

02014

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
5	8:38	1.00	0.950	1.00	130.58	50.00	4.761	1.823	2.61
6	8:42	1.00	0.957	1.00	127.02	50.00	3.924	1.545	2.54
7	9:01	1.00	0.992	1.00	136.42	50.00	4.313	1.581	2.73
8	9:07	1.00	1.004	1.00	130.18	50.00	4.577	1.758	2.60
9	9:28	1.01	1.043	1.01	140.06	50.00	2.710	0.967	2.80
10	9:32	1.00	1.050	1.00	132.58	50.00	4.285	1.616	2.65
11	9:46	1.00	1.074	1.00	124.70	50.00	3.506	1.406	2.49
12	9:50	1.00	1.083	1.00	131.80	50.00	7.911	3.001	2.64
13	10:07	1.00	1.114	1.00	123.71	50.00	3.730	1.508	2.47
14	10:11	1.01	1.121	1.01	140.93	50.00	3.707	1.315	2.82
15	10:14	1.00	1.127	1.00	138.97	50.00	1.854	0.667	2.78
16	6:34	1.00	0.722	1.00	272.52	100.00	4.070	1.493	2.73
17	8:27	1.01	0.930	1.01	276.49	100.00	5.662	2.048	2.76
18	12:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
19	10:28	1.00	0.867	1.00	135.82	50.00	1.198	0.441	2.72
20	11:03	1.01	0.914	1.01	124.15	50.00	2.097	0.844	2.48
21	11:13	1.00	0.929	1.00	133.53	50.00	0.599	0.224	2.67
22	11:22	1.01	0.940	1.00	128.41	50.00	0.876	0.341	2.57
23	11:37	1.00	0.961	1.00	133.04	50.00	1.355	0.509	2.66
24	11:48	1.00	0.976	1.00	31.72	50.00	0.375	0.591	0.63
25	11:48	1.00	0.976	1.00	129.70	50.00	0.763	0.294	2.59
26	12:00	1.00	0.993	1.00	127.01	50.00	0.780	0.307	2.54
27	12:08	1.00	1.004	1.00	139.29	50.00	3.190	1.145	2.79
28	12:21	1.00	1.022	1.00	129.45	50.00	1.257	0.485	2.59
29	12:36	1.00	1.042	1.00	130.08	50.00	0.391	0.150	2.60
30	13:34	1.00	1.123	1.00	131.48	50.00	0.849	0.323	2.63
31	13:52	1.00	1.147	1.00	132.64	50.00	1.894	0.714	2.65
32	10:25	1.00	0.862	1.00	130.00	50.00	1.100	0.423	2.60
33	16:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	14:27	1.00	0.872	1.00	128.63	50.00	0.744	0.289	2.57
35	14:40	1.00	0.885	1.00	122.56	50.00	0.881	0.359	2.45
36	14:45	1.00	0.890	1.00	129.88	50.00	1.014	0.390	2.60
37	15:06	1.00	0.911	1.00	130.95	50.00	3.136	1.198	2.62
38	15:28	1.00	0.934	1.00	127.99	50.00	1.147	0.448	2.56
39	16:03	1.00	0.968	1.00	127.50	50.00	3.579	1.404	2.55
40	16:10	1.00	0.975	1.00	127.68	50.00	4.973	1.948	2.55
41	16:13	1.00	0.978	1.00	125.79	50.00	0.928	0.369	2.52
42	16:33	1.00	0.998	1.00	131.05	50.00	1.131	0.431	2.62
43	16:40	1.00	1.005	1.00	127.88	50.00	3.149	1.231	2.56
44	16:47	1.00	1.013	1.00	135.81	50.00	0.577	0.212	2.72
45	17:01	1.00	1.026	1.00	134.78	50.00	0.436	0.162	2.70
46	17:04	1.00	1.029	1.00	133.47	50.00	4.457	1.670	2.67
47	17:12	1.00	1.038	1.00	124.30	50.00	1.155	0.465	2.49
48	17:52	1.00	1.078	1.00	140.73	50.00	4.042	1.436	2.81
49	17:57	1.00	1.083	1.00	134.57	50.00	3.858	1.433	2.69
50	17:58	1.00	1.084	1.00	131.46	50.00	1.645	0.626	2.63

02015

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No	Name		
51	4-NITROANILINE	138 B1#	51
52	2-FLUOROBIPHENYL	172SB1#	52
53	2,4,6-TRIBROMOPHENOL	330SB1#	53
54	D10-PHENANTHRENE	188IB1#	54
55	4,6-DINITRO-2-METHYLPHENOL	198 B1#	55
56	N-NITROSODIPHENYLAMINE	169 B1#	56CC
57	AZOBENENE	77 B1#	57
58	4-BROMOPHENYL-PHENYLETHER	248 B1#	58
59	HEXACHLOROBENZENE	284 B1#	59
60	PENTACHLOROPHENOL	266 B1#	60CC
61	PHENANTHRENE	178 B1#	61
62	ANTHRACENE	178 B1#	62
63	DI-N-BUTYLPHTHALATE	149 B1#	63
64	FLUORANTHENE	202 B1#	64CC
65	D12-CHRYSENE	240IB1#	65
66	BENZIDINE	184 B1#	66
67	PYRENE	202 B1#	67
68	BUTYLBENZYLPHTHALATE	149 B1#	68
69	3,3'-DICHLOROBENZIDINE	252 B1#	69
70	BENZO(A)ANTHRACENE	228 B1#	70
71	CHRYSENE	228 B1#	71
72	BIS(2-ETHYLHEXYL)PHTHALATE	149 B1#	72
73	D14-TERPHENYL	244SB1#	73
74	D12-PERYLENE	264IB1#	74
75	DI-N-OCTYL PHTHALATE	149 B1#	75CC
76	BENZO(B)FLUORANTHENE	252 B1#	76
77	BENZO(K)FLUORANTHENE	252 B1#	77
78	BENZO(A)PYRENE	252 B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276 B1#	79
80	DIBENZ(A,H)ANTHRACENE	278 B1#	80
81	BENO(GHI)PERYLENE	276 B1#	81

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	138	1462	18:16	33	1.103	# BV	35407.	125.204	UG/ML	1.17
52	172	1192	14:54	33	0.899	# VV	117119.	128.590	UG/ML	1.21
53	330	1493	18:40	33	1.126	A BB	26432.	249.870	UG/ML	2.34
54	188	1630	20:22	54	1.000	# BV	40221.	40.000	UG/ML	0.38
55	198	1468	18:21	54	0.901	A BB	27000.	139.465	UG/ML	1.31
56	169	1470	18:22	54	0.902	A BB	91460.	138.163	UG/ML	1.30
57	77	1474	18:25	54	0.904	A BB	180461.	163.411	UG/ML	1.53
58	248	1539	19:14	54	0.944	A BB	27833.	128.364	UG/ML	1.20
59	284	1568	19:36	54	0.962	A BB	29474.	129.010	UG/ML	1.21
60	266	1606	20:04	54	0.985	A BB	21270.	129.284	UG/ML	1.21
61	178	1636	20:27	54	1.004	# BV	162309.	130.160	UG/ML	1.22
62	178	1646	20:34	54	1.010	# VB	166821.	130.448	UG/ML	1.22
63	149	1767	22:05	54	1.084	# BV	237416.	135.977	UG/ML	1.28
64	202	1883	23:32	54	1.155	# BV	150999.	130.289	UG/ML	1.22
65	240	2183	27:17	65	1.000	A BB	34140.	40.000	UG/ML	0.38
66	184	1914	23:55	65	0.877	# BV	125936.	304.443	UG/ML	2.86
67	202	1930	24:07	65	0.884	# BV	152079.	119.627	UG/ML	1.12
68	149	2075	25:56	65	0.951	# BV	91693.	121.087	UG/ML	1.14
69	252	2181	27:16	65	0.999	# BV	96687.	252.086	UG/ML	2.37

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
70	228	2179	27:14	65	0.998	# BV	133097.	120.055	UG/ML	1.13
71	228	2190	27:22	65	1.003	# VV	123875.	126.294	UG/ML	1.19
72	149	2200	27:30	65	1.008	A BB	142103.	128.775	UG/ML	1.21
73	244	1965	24:34	65	0.900	# BB	92206.	115.885	UG/ML	1.09
74	264	2462	30:46	74	1.000	# BV	30938.	40.000	UG/ML	0.38
75	149	2321	29:01	74	0.943	# BV	221565.	129.265	UG/ML	1.21
76	252	2396	29:57	74	0.973	A BB	255873.	250.448	UG/ML	2.35
77	252	2399	29:59	74	0.974	# VV	110510.	102.342	UG/ML	0.96
78	252	2453	30:40	74	0.996	# BV	119500.	127.497	UG/ML	1.20
79	276	2702	33:46	74	1.097	# BV	135902.	114.694	UG/ML	1.08
80	278	2704	33:48	74	1.098	# BV	111563.	116.417	UG/ML	1.09
81	276	2769	34:37	74	1.125	# VV	65988.	67.674	UG/ML	0.64

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:10	1.01	1.096	1.01	125.20	50.00	1.016	0.406	2.50
52	14:52	1.00	0.897	1.00	128.59	50.00	3.362	1.307	2.57
53	18:37	1.00	1.124	1.00	249.87	100.00	0.379	0.152	2.50
54	20:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
55	18:16	1.00	0.897	1.00	139.46	50.00	0.537	0.193	2.79
56	18:19	1.00	0.900	1.00	138.16	50.00	1.819	0.658	2.76
57	18:23	1.00	0.904	1.00	163.41	50.00	3.589	1.098	3.27
58	19:13	1.00	0.944	1.00	128.36	50.00	0.554	0.216	2.57
59	19:34	1.00	0.962	1.00	129.01	50.00	0.586	0.227	2.58
60	20:02	1.00	0.985	1.00	129.28	50.00	0.423	0.164	2.59
61	20:25	1.00	1.003	1.00	130.16	50.00	3.228	1.240	2.60
62	20:31	1.00	1.009	1.00	130.45	50.00	3.318	1.272	2.61
63	22:04	1.00	1.084	1.00	135.98	50.00	4.722	1.736	2.72
64	23:30	1.00	1.155	1.00	130.29	50.00	3.003	1.153	2.61
65	27:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
66	23:52	1.00	0.876	1.00	304.44	100.00	1.476	0.485	3.04
67	24:05	1.00	0.884	1.00	119.63	50.00	3.564	1.489	2.39
68	25:55	1.00	0.950	1.00	121.09	50.00	2.149	0.887	2.42
69	27:12	1.00	0.998	1.00	252.09	100.00	1.133	0.449	2.52
70	27:12	1.00	0.998	1.00	120.05	50.00	3.119	1.299	2.40
71	27:20	1.00	1.003	1.00	126.29	50.00	2.903	1.149	2.53
72	27:28	1.00	1.008	1.00	128.77	50.00	3.330	1.293	2.58
73	24:32	1.00	0.900	1.00	115.88	50.00	2.161	0.932	2.32
74	30:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
75	28:59	1.00	0.943	1.00	129.26	50.00	5.729	2.216	2.59
76	29:52	1.00	0.972	1.00	250.45	50.00	6.616	1.321	5.01
77	29:56	1.00	0.974	1.00	102.34	50.00	2.858	1.396	2.05
78	30:37	1.00	0.996	1.00	127.50	50.00	3.090	1.212	2.55
79	33:40	1.00	1.095	1.00	114.69	50.00	3.514	1.532	2.29
80	33:40	1.00	1.096	1.00	116.42	50.00	2.885	1.239	2.33
81	34:30	1.00	1.122	1.00	67.67	50.00	1.706	1.261	1.35

02017

QUANTITATION REPORT FILE: STDUU930

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

02018

NO	NAME				
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1	
2	D8-NAPHTHALENE	136	IB1#	18	
3	D10-ACENAPHTHENE	164	IB1#	33	
4	D10-PHENANTHRENE	188	IB1#	54	
5	D12-CHRYSENE	240	IB1#	65	
6	D12-PERYLENE	264	IB1#	74	
7	D5-NITROBENZENE	82	SB1#	32	
8	2-FLUOROBIPHENYL	172	SB1#	52	
9	D14-TERPHENYL	244	SB1#	73	
10	D5-PHENOL	99	SB1#	17	
11	2-FLUOROPHENOL	112	SB1#	16	
12	2,4,6-TRIBROMOPHENOL	330	SB1#	53	
13	N-NITROSODIMETHYLAMINE	74	B1#	02	
14	PHENOL	94	B1#	03CC	
15	ANILINE	93	B1#	04	
16	BIS(2-CHLOROETHYL)ETHER	93	B1#	05	
17	2-CHLOROPHENOL	128	B1#	06	
18	1,3-DICHLOROBENZENE	146	B1#	07	
19	1,4-DICHLOROBENZENE	146	B1#	08CC	
20	BENZYL ALCOHOL	108	B1#	09	
21	1,2-DICHLOROBENZENE	146	B1#	10	
22	2-METHYLPHENOL	108	B1#	11	
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12	
24	4-METHYLPHENOL	108	B1#	13	
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14SP	
26	HEXACHLOROETHANE	117	B1#	15	
27	NITROBENZENE	77	B1#	19	
28	ISOPHORONE	82	B1#	20	
29	2-NITROPHENOL	139	B1#	21CC	
30	2,4-DIMETHYLPHENOL	107	B1#	22	
31	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22	
32	BENZOIC ACID	122	B1#	24	
33	2,4-DICHLOROPHENOL	162	B1#	25CC	
34	1,2,4-TRICHLOROBENZENE	180	B1#	26	
35	NAPHTHALENE	128	B1#	27	
36	4-CHLOROANILINE	127	B1#	28	
37	HEXACHLOROBUTADIENE	223	B1#	29CC	
38	4-CHLORO-3-METHYLPHENOL	107	B1#	30CC	
39	2-METHYLNAPHTHALENE	142	B1#	31	
40	HEXACHLOROCYCLOPENTADIENE	237	B1#	34SP	
41	2,4,6-TRICHLOROPHENOL	196	B1#	35CC	
42	2,4,5-TRICHLOROPHENOL	196	B1#	36	
43	2-CHLORONAPHTHALENE	162	B1#	37	
44	2-NITROANILINE	65	B1#	38	
45	DIMETHYL PHTHALATE	163	B1#	39	
46	ACENAPHTHALENE	152	B1#	40	
47	2,6-DINITROTOLUENE	165	B1#	41	
48	3-NITROANILINE	138	B1#	42	
49	ACENAPHTHENE	153	B1#	43CC	
50	2,4-DINITROPHENOL	184	B1#	44SP	
51	4-NITROPHENOL	109	B1#	45SP	
52	DIBENZOFURAN	168	B1#	46	
53	2,4-DINITROTOLUENE	165	B1#	47	

NO	NAME			
54	DIETHYLPHTHALATE	149	B1#	48
55	FLUORENE	166	B1#	49
56	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50
57	4-NITROANILINE	138	B1#	51
58	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55
59	N-NITROSODIPHENYLAMINE	169	B1#	56CC
60	AZOBENENE	77	B1#	57
61	4-BROMOPHENYL-PHENYLETHER	248	B1#	58
62	HEXACHLOROBENZENE	284	B1#	59
63	PENTACHLOROPHENOL	266	B1#	60CC
64	PHENANTHRENE	178	B1#	61
65	ANTHRACENE	178	B1#	62
66	DI-N-BUTYLPHTHALATE	149	B1#	63
67	FLUORANTHENE	202	B1#	64CC
68	BENZIDINE	184	B1#	66
69	PYRENE	202	B1#	67
70	BUTYLBENZYLPHTHALATE	149	B1#	68
71	3,3'-DICHLOROBENZIDINE	252	B1#	69
72	BENZO(A)ANTHRACENE	228	B1#	70
73	CHRYSENE	228	B1#	71
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC
76	BENZO(B)FLUORANTHENE	252	B1#	76
77	BENZO(K)FLUORANTHENE	252	B1#	77
78	BENZO(A)PYRENE	252	B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80
81	BENO(GHI)PERYLENE	276	B1#	81

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	728	9:06	1	1.000	A BB	13692.	40.000	UG/ML	0.38
2	136	969	12:07	2	1.000	# VV	51464.	40.000	UG/ML	0.38
3	164	1326	16:34	3	1.000	A BB	27873.	40.000	UG/ML	0.38
4	188	1630	20:22	4	1.000	# BV	40221.	40.000	UG/ML	0.38
5	240	2183	27:17	5	1.000	A BB	34140.	40.000	UG/ML	0.38
6	264	2462	30:46	6	1.000	# BV	30928.	40.000	UG/ML	0.38
7	82	837	10:28	2	0.864	# BV	70737.	130.003	UG/ML	1.22
8	172	1192	14:54	3	0.899	# VV	117119.	128.590	UG/ML	1.21
9	244	1965	24:34	5	0.900	# BB	92206.	115.865	UG/ML	1.09
10	99	681	8:31	1	0.935	# BV	193607.	276.494	UG/ML	2.59
11	112	526	6:34	1	0.723	# BV	139310.	272.525	UG/ML	2.56
12	330	1493	18:40	3	1.126	A BB	26432.	249.870	UG/ML	2.34
13	74	342	4:16	1	0.470	# VV	50300.	118.863	UG/ML	1.12
14	94	682	8:31	1	0.937	# BV	117233.	147.050	UG/ML	1.38
15	93	681	8:31	1	0.935	# BV	133073.	137.718	UG/ML	1.29
16	93	694	8:40	1	0.953	# VV	81494.	130.564	UG/ML	1.23
17	128	699	8:44	1	0.960	# BV	67162.	127.017	UG/ML	1.19
18	146	722	9:01	1	0.992	# BV	73827.	136.422	UG/ML	1.28
19	146	732	9:09	1	1.005	# VV	78344.	130.160	UG/ML	1.22
20	108	763	9:32	1	1.048	# BV	46383.	140.058	UG/ML	1.31
21	146	765	9:34	1	1.051	# VV	73344.	132.576	UG/ML	1.24
22	108	784	9:48	1	1.077	# VV	60007.	124.698	UG/ML	1.17
23	45	789	9:52	1	1.084	# BV	135399.	131.802	UG/ML	1.24
24	108	814	10:10	1	1.118	# VV	63844.	123.709	UG/ML	1.16
25	70	822	10:16	1	1.129	# VV	63450.	140.933	UG/ML	1.32
26	117	820	10:15	1	1.126	A BB	31739.	138.971	UG/ML	1.30

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
27	77	841	10:31	2	0.868	# BV	77097.	135.815	UG/ML	1.27
28	82	891	11:08	2	0.920	# VB	134892.	124.150	UG/ML	1.17
29	139	900	11:15	2	0.929	# VB	38561.	133.527	UG/ML	1.25
30	107	914	11:25	2	0.943	# BV	56334.	128.406	UG/ML	1.21
31	93	932	11:39	2	0.962	# BV	87171.	133.036	UG/ML	1.25
32	122	947	11:50	2	0.977	# VV	24112.	31.723	UG/ML	0.30
33	162	947	11:50	2	0.977	A BB	49096.	129.702	UG/ML	1.22
34	180	961	12:01	2	0.992	# BV	50175.	127.013	UG/ML	1.19
35	128	974	12:10	2	1.005	# BV	205221.	139.290	UG/ML	1.31
36	127	990	12:22	2	1.022	# VB	80852.	129.449	UG/ML	1.21
37	225	1010	12:37	2	1.042	A BB	25178.	130.064	UG/ML	1.22
38	107	1089	13:37	2	1.124	# BV	54598.	131.480	UG/ML	1.23
39	142	1111	13:53	2	1.147	# BV	121862.	132.641	UG/ML	1.24
40	237	1157	14:28	3	0.873	A BB	25905.	128.634	UG/ML	1.21
41	196	1175	14:41	3	0.886	# BV	30701.	122.555	UG/ML	1.15
42	196	1183	14:47	3	0.892	# VB	35330.	129.877	UG/ML	1.22
43	162	1210	15:07	3	0.913	# BV	109271.	130.950	UG/ML	1.23
44	65	1241	15:31	3	0.936	# VB	39970.	127.992	UG/ML	1.20
45	163	1287	16:05	3	0.971	A BB	124691.	127.497	UG/ML	1.20
46	152	1296	16:12	3	0.977	A BB	173275.	127.679	UG/ML	1.20
47	165	1301	16:16	3	0.981	A BB	32315.	125.788	UG/ML	1.18
48	138	1328	16:36	3	1.002	# BB	39399.	131.050	UG/ML	1.23
49	153	1335	16:41	3	1.007	A BB	109706.	127.878	UG/ML	1.20
50	184	1348	16:51	3	1.017	A BB	20100.	135.810	UG/ML	1.27
51	109	1366	17:04	3	1.030	A BB	15197.	134.776	UG/ML	1.26
52	168	1367	17:05	3	1.031	# BV	155295.	133.473	UG/ML	1.25
53	165	1381	17:16	3	1.041	A BB	40246.	124.299	UG/ML	1.17
54	149	1435	17:56	3	1.082	A BB	140824.	140.726	UG/ML	1.32
55	166	1439	17:59	3	1.085	A BB	134423.	134.575	UG/ML	1.26
56	204	1440	18:00	3	1.086	A BB	57310.	131.459	UG/ML	1.23
57	138	1462	18:16	3	1.103	# BV	35407.	125.204	UG/ML	1.17
58	198	1468	18:21	4	0.901	A BB	27000.	139.465	UG/ML	1.31
59	169	1470	18:22	4	0.902	A BB	91460.	138.163	UG/ML	1.30
60	77	1474	18:25	4	0.904	A BB	180461.	163.411	UG/ML	1.53
61	248	1539	19:14	4	0.944	A BB	27833.	128.364	UG/ML	1.20
62	284	1568	19:36	4	0.962	A BB	29474.	129.010	UG/ML	1.21
63	266	1606	20:04	4	0.985	A BB	21270.	129.284	UG/ML	1.21
64	178	1636	20:27	4	1.004	# BV	162309.	130.160	UG/ML	1.22
65	178	1646	20:34	4	1.010	# VB	166821.	130.448	UG/ML	1.22
66	149	1767	22:05	4	1.084	# BV	237416.	135.977	UG/ML	1.28
67	202	1883	23:32	4	1.155	# BV	150999.	130.289	UG/ML	1.22
68	184	1914	23:55	5	0.877	# BV	125936.	304.443	UG/ML	2.86
69	202	1930	24:07	5	0.884	# BV	152079.	119.627	UG/ML	1.12
70	149	2075	25:56	5	0.951	# BV	91693.	121.087	UG/ML	1.14
71	252	2181	27:16	5	0.999	# BV	96687.	252.086	UG/ML	2.37
72	228	2179	27:14	5	0.998	# BV	133097.	120.055	UG/ML	1.13
73	228	2190	27:22	5	1.003	# VV	123875.	126.294	UG/ML	1.19
74	149	2200	27:30	5	1.008	A BB	142103.	128.775	UG/ML	1.21
75	149	2321	29:01	6	0.943	# BV	221565.	129.265	UG/ML	1.21
76	252	2396	29:57	6	0.973	A BB	255873.	250.448	UG/ML	2.35
77	252	2399	29:59	6	0.974	# VV	110510.	102.342	UG/ML	0.96
78	252	2453	30:40	6	0.996	# BV	119500.	127.497	UG/ML	1.20
79	276	2702	33:46	6	1.097	# BV	135902.	114.694	UG/ML	1.08
80	278	2704	33:48	6	1.098	# BV	111563.	116.417	UG/ML	1.09
81	276	2769	34:37	6	1.125	# VV	65968.	67.674	UG/ML	0.64

02020

RMAL QUANTITATION SUMMARY FILE: STDUU930
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

C2021

NO	NAME		SCAN	REF	RRT	RRF	AMOUNT	UNITS
1	D4-1,4-DICHLOROBENZENE	152IB1# 1	728	1	1.000	1.000	40.000	UG/ML
2	D8-NAPHTHALENE	136IB1# 18	969	2	1.000	1.000	40.000	UG/ML
3	D10-ACENAPHTHENE	164IB1# 33	1326	3	1.000	1.000	40.000	UG/ML
4	D10-PHENANTHRENE	188IB1# 54	1630	4	1.000	1.000	40.000	UG/ML
5	D12-CHRYSENE	240IB1# 65	2183	5	1.000	1.000	40.000	UG/ML
6	D12-PERYLENE	264IB1# 74	2462	6	1.000	1.000	40.000	UG/ML
7	D5-NITROBENZENE	82SB1# 32	837	2	0.864	1.100	130.003	UG/ML
8	2-FLUOROBIPHENYL	172SB1# 52	1192	3	0.899	3.362	128.590	UG/ML
9	D14-TERPHENYL	244SB1# 73	1965	5	0.900	2.161	115.885	UG/ML
10	D5-PHENOL	99SB1# 17	681	1	0.935	5.662	276.494	UG/ML
11	2-FLUOROPHENOL	112SB1# 16	526	1	0.723	4.070	272.525	UG/ML
12	2,4,6-TRIBROMOPHENOL	330SB1# 53	1493	3	1.126	0.379	249.870	UG/ML
13	N-NITROSODIMETHYLAMINE	74 B1# 02	342	1	0.470	2.939	118.863	UG/ML
14	PHENOL	94 B1# 03CC	682	1	0.937	6.849	147.050	UG/ML
15	ANILINE	93 B1# 04	681	1	0.935	7.775	137.718	UG/ML
16	BIS(2-CHLOROETHYL)ETHER	93 B1# 05	694	1	0.953	4.761	130.584	UG/ML
17	2-CHLOROPHENOL	128 B1# 06	699	1	0.960	3.924	127.017	UG/ML
18	1,3-DICHLOROBENZENE	146 B1# 07	722	1	0.992	4.213	136.422	UG/ML
19	1,4-DICHLOROBENZENE	146 B1# 08CC	732	1	1.005	4.577	130.180	UG/ML
20	BENZYL ALCOHOL	108 B1# 09	763	1	1.048	2.710	140.058	UG/ML
21	1,2-DICHLOROBENZENE	146 B1# 10	765	1	1.051	4.285	132.576	UG/ML
22	2-METHYLPHENOL	108 B1# 11	784	1	1.077	3.506	124.698	UG/ML
23	BIS(2-CHLOROISOPROPYL)ETHER	45 B1# 12	789	1	1.084	7.911	131.802	UG/ML
24	4-METHYLPHENOL	108 B1# 13	814	1	1.118	3.730	123.709	UG/ML
25	N-NITROSO-DI-N-PROPYLAMINE	70 B1# 14SP	822	1	1.129	3.707	140.933	UG/ML
26	HEXACHLOROETHANE	117 B1# 15	820	1	1.126	1.854	138.971	UG/ML
27	NITROBENZENE	77 B1# 19	841	2	0.868	1.198	135.815	UG/ML
28	ISOPHORONE	82 B1# 20	891	2	0.920	2.097	124.150	UG/ML
29	2-NITROPHENOL	139 B1# 21CC	900	2	0.929	0.599	133.527	UG/ML
30	2,4-DIMETHYLPHENOL	107 B1# 22	914	2	0.943	0.676	128.406	UG/ML
31	BIS(2-CHLOROETHOXY)METHANE	93 B1# 22	932	2	0.962	1.255	133.036	UG/ML
32	BENZOIC ACID	122 B1# 24	947	2	0.977	0.375	31.723	UG/ML
33	2,4-DICHLOROPHENOL	162 B1# 25CC	947	2	0.977	0.763	129.702	UG/ML
34	1,2,4-TRICHLOROBENZENE	180 B1# 26	961	2	0.992	0.780	127.013	UG/ML
35	NAPHTHALENE	128 B1# 27	974	2	1.005	3.190	139.290	UG/ML
36	4-CHLOROANILINE	127 B1# 28	990	2	1.022	1.257	129.449	UG/ML
37	HEXACHLOROBUTADIENE	223 B1# 29CC	1010	2	1.042	0.391	130.064	UG/ML
38	4-CHLORO-3-METHYLPHENOL	107 B1# 30CC	1089	2	1.124	0.849	131.480	UG/ML
39	2-METHYLNAPHTHALENE	142 B1# 31	1111	2	1.147	1.894	132.641	UG/ML
40	HEXACHLOROCYCLOPENTADIENE	237 B1# 34SP	1157	3	0.873	0.744	128.634	UG/ML
41	2,4,6-TRICHLOROPHENOL	196 B1# 35CC	1175	3	0.886	0.881	122.555	UG/ML
42	2,4,5-TRICHLOROPHENOL	196 B1# 36	1183	3	0.892	1.014	129.877	UG/ML
43	2-CHLORONAPHTHALENE	162 B1# 37	1210	3	0.913	3.136	130.950	UG/ML
44	2-NITROANILINE	65 B1# 38	1241	3	0.936	1.147	127.992	UG/ML
45	DIMETHYL PHTHALATE	163 B1# 39	1287	3	0.971	3.579	127.497	UG/ML
46	ACENAPHTHALENE	152 B1# 40	1296	3	0.977	4.973	127.679	UG/ML
47	2,6-DINITROTOLUENE	165 B1# 41	1301	3	0.981	0.928	125.788	UG/ML
48	3-NITROANILINE	138 B1# 42	1328	3	1.002	1.131	131.050	UG/ML
49	ACENAPHTHENE	153 B1# 43CC	1335	3	1.007	3.149	127.878	UG/ML
50	2,4-DINITROPHENOL	184 B1# 44SP	1348	3	1.017	0.577	135.810	UG/ML
51	4-NITROPHENOL	109 B1# 45SP	1366	3	1.030	0.436	134.776	UG/ML
52	DIBENZOFURAN	168 B1# 46	1367	3	1.031	4.457	133.473	UG/ML
53	2,4-DINITROTOLUENE	165 B1# 47	1381	3	1.041	1.155	124.299	UG/ML
54	DIETHYLPHTHALATE	149 B1# 48	1435	3	1.082	4.042	140.726	UG/ML
55	FLUORENE	166 B1# 49	1439	3	1.085	3.858	134.575	UG/ML
56	4-CHLOROPHENYL-PHENYLETHER	204 B1# 50	1440	3	1.086	1.645	131.459	UG/ML
57	4-NITROANILINE	138 B1# 51	1462	3	1.103	1.016	125.204	UG/ML
58	4,6-DINITRO-2-METHYLPHENOL	198 B1# 55	1468	4	0.901	0.537	139.465	UG/ML
59	N-NITROSODIPHENYLAMINE	169 B1# 56CC	1470	4	0.902	1.819	138.163	UG/ML
60	AZOBENENE	77 B1# 57	1474	4	0.904	3.589	163.411	UG/ML
6	4-BROMOPHENYL-PHENYLETHER	248 B1# 58	1539	4	0.944	0.554	128.364	UG/ML

62	HEXACHLOROBENZENE	284	B1#	59	[illegible]	4	[illegible]	[illegible]	[illegible]	UG/ML
63	PENTACHLOROPHENOL	266	B1#	60CC	1606	4	0.985	0.423	129.284	UG/ML
64	PHENANTHRENE	178	B1#	61	1636	4	1.004	3.228	130.160	UG/ML
65	ANTHRACENE	178	B1#	62	1646	4	1.010	3.318	130.448	UG/ML
66	DI-N-BUTYLPHTHALATE	149	B1#	63	1767	4	1.084	4.722	135.977	UG/ML
67	FLUORANTHENE	202	B1#	64CC	1883	4	1.155	3.003	130.289	UG/ML
68	BENZIDINE	184	B1#	66	1914	5	0.877	1.476	304.443	UG/ML
69	PYRENE	202	B1#	67	1930	5	0.884	3.564	119.627	UG/ML
70	BUTYLBENZYLPHTHALATE	149	B1#	68	2075	5	0.951	2.149	121.087	UG/ML
71	3,3'-DICHLOROBENZIDINE	252	B1#	69	2161	5	0.999	1.133	252.086	UG/ML
72	BENZO(A)ANTHRACENE	228	B1#	70	2179	5	0.998	3.119	120.055	UG/ML
73	CHRYSENE	228	B1#	71	2190	5	1.003	2.903	126.294	UG/ML
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	2200	5	1.008	3.330	128.775	UG/ML
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC	2321	6	0.943	5.729	129.265	UG/ML
76	BENZO(B)FLUORANTHENE	252	B1#	76	2396	6	0.973	6.616	250.448	UG/ML
77	BENZO(K)FLUORANTHENE	252	B1#	77	2399	6	0.974	2.658	102.342	UG/ML
78	BENZO(A)PYRENE	252	B1#	78CC	2453	6	0.996	3.090	127.497	UG/ML
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	2702	6	1.097	3.514	114.694	UG/ML
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	2704	6	1.098	2.885	116.417	UG/ML
81	BENO(GHI)PERYLENE	276	B1#	81	2769	6	1.125	1.706	67.674	UG/ML

02022

RMAL-GC/MS/DS-AUTOPROCESSING
DATAFILE I0:STD00731. STARTED : 3/29/88 10:37:40

02023

3/15/88 15:26:46 SCAN 1 OF 3000
Acquisition started

STD00931

Acquire Run 0:~~STD0931~~ ACQUIRING
03/15/88 15:26:00 + 0:04 Free sectors: 5742 Scan: 5 of 3000
Sample: 160 UG/ML STD
Conds.: AUTO INJ./GC DESC ST
Formula: Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: KS Acct. No: 50 UG/ML

********** 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.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	

3/15/88 16:04:21
ACQUISITION COMPLETED
SCANS 1 TO 3000 Centroid

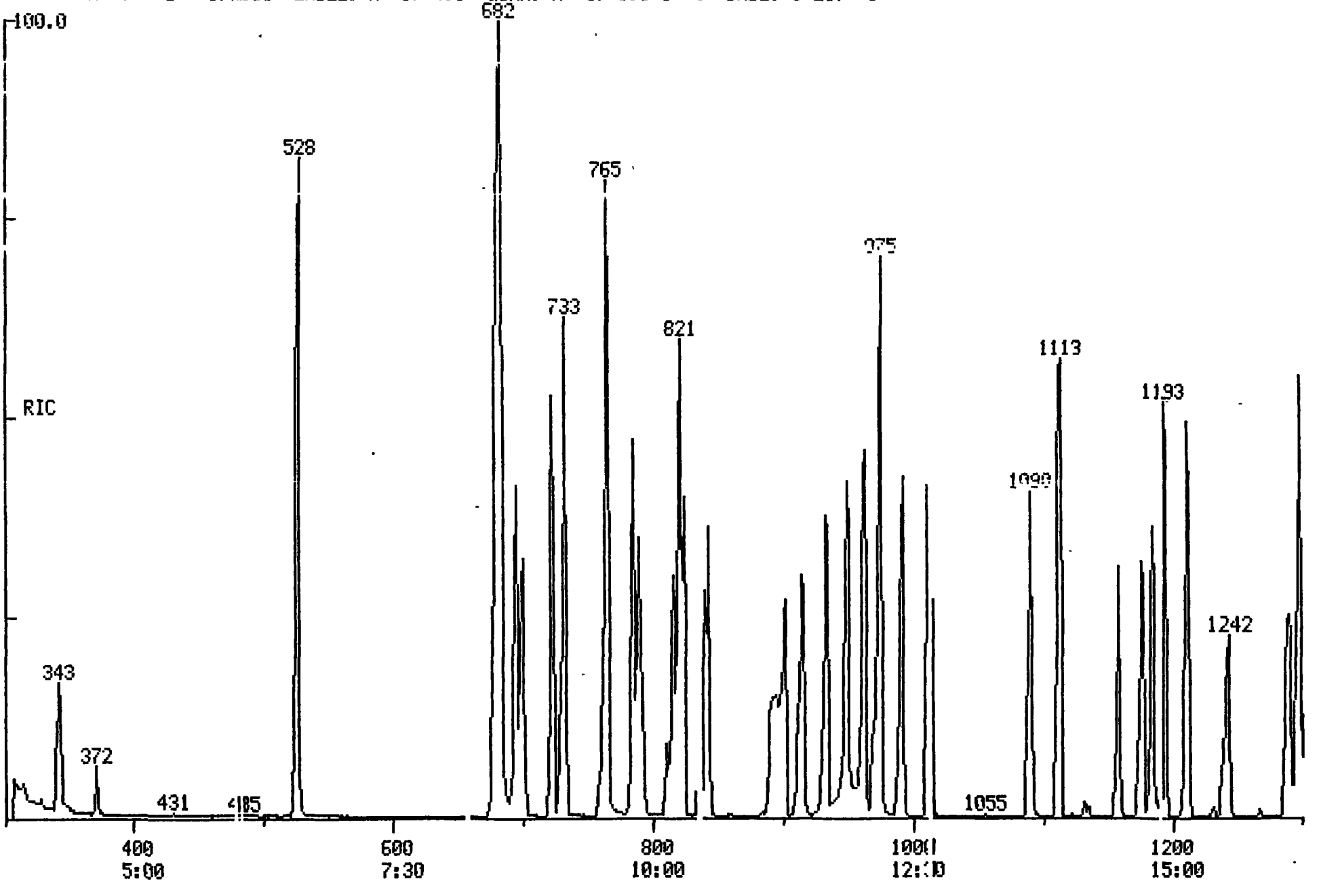
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3000	308.9	2250.0	13.7	38479.	19. 26.

020024

RIC
03/15/88 15:20:00
SAMPLE: 160 UG/ML STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU031 #1
CAL: 031588CU #5

SCANS 300 TO 1200
OUT OF 300 TO 3000



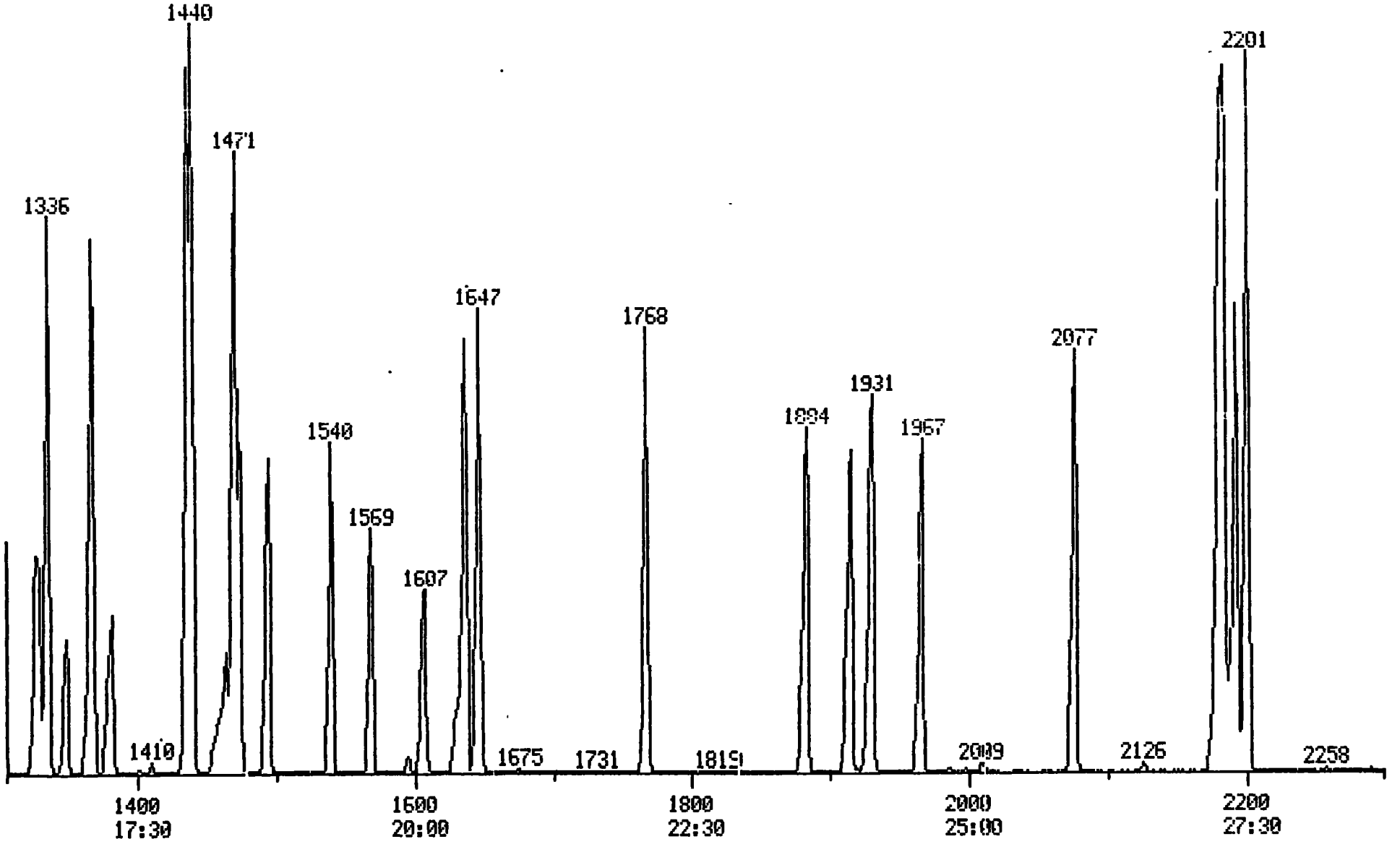
02025

DIC
03/15/88 15:26:00
SAMPLE: 160 UG/ML STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU031 #1
CALI: 031588DU #5

SCANS 1300 TO 2300
OUT OF 300 TO 3000

100.0



02026

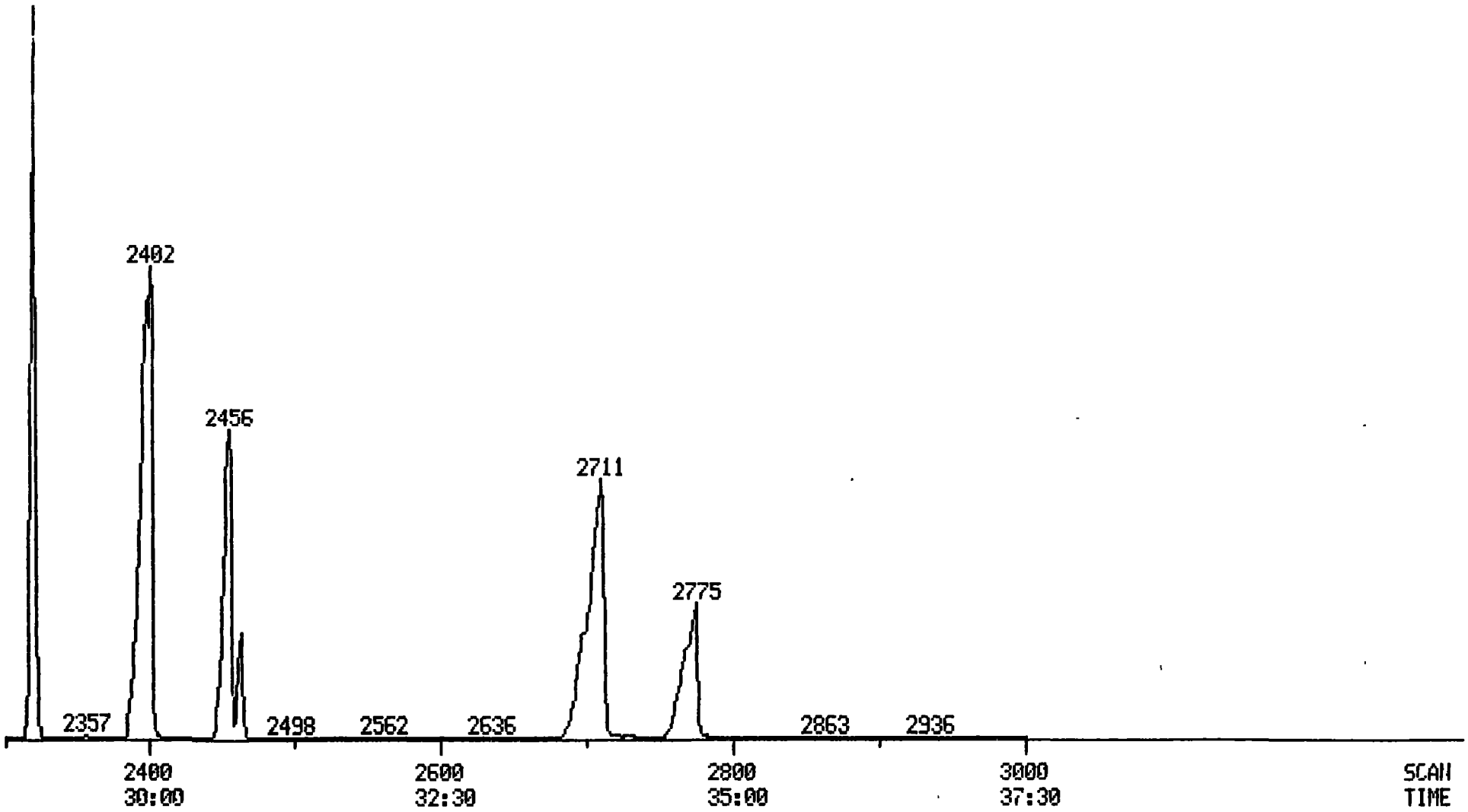
PIC
03/15/88 15:26:00
SAMPLE: 160 UG/ML STD
CONDS.: AUTO INJ./GC DESC ST
RANGE: G 1,3000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDUU031 #1
CALI: 031588CU #5

SCANS 2300 TO 3000
OUT OF 300 TO 3000

100.0

272896.



SYSTEM, SCIENCE + SOFTWARE DIAGNOSTICS

STDUU931
031588CU
03/15/88
160 UG/ML STD

02027

NO	LIB	ID	M/E	SCAN	PRED	DELTA	FIT	PUF	MATCH	AREA
1	B1	D4-1	152	729	727	-2	969	670	89.	12791.
2	B1	N-NI	74	343	341	-2	998	845	100.	66020.
3	B1	PHEN	94	684	680	-4	960	347	73.	139744.
4	B1	ANIL	93	681	680	-1	926	375	73.	167082.
5	B1	BIS(	93	695	693	-2	980	828	98.	104483.
6	B1	2-CH	128	700	698	-2	991	639	89.	87053.
7	B1	1,3-	146	723	723	0	989	750	94.	93871.
8	B1	1,4-	146	733	732	-1	990	745	94.	102201.
9	B1	BENZ	108	765	760	-5	977	355	74.	61109.
10	B1	1,2-	146	766	765	-1	994	661	90.	96235.
11	B1	2-ME	108	785	783	-2	983	755	94.	80245.
12	B1	BIS(	45	790	789	-1	958	576	84.	178050.
13	B1	4-ME	108	816	812	-4	961	649	88.	67258.
				-811		1	954	626	86.	
14	B1	N-NI	70	824	817	-7	997	334	63.	77322.
15	B1	HEXA	117	821	821	0	991	598	87.	40466.
16	B1	2-FL	112	528	526	-2	1000	612	88.	180494.
17	B1	D5-P	99	682	678	-4	970	291	71.	248860.
18	B1	D8-N	136	970	967	-3	997	565	86.	46627.
19	B1	NITR	77	843	841	-2	997	845	100.	96374.
20	B1	ISOP	82	892	887	-5	980	575	85.	168322.
				-884		3	982	416	77.	
				-895		-8	979	572	64.	
21	B1	2-NI	139	902	901	-1	990	599	87.	49704.
22	B1	2,4-	107	915	912	-3	995	671	91.	70952.
23	B1	BIS(	93	933	932	-1	999	840	99.	109919.
24	B1	BENZ	122	955	947	-8	997	653	67.	6945.
25	B1	2,4-	162	949	947	-2	993	596	87.	61268.
26	B1	1,2,	180	963	963	0	994	541	84.	66391.
27	B1	NNPH	120	770	774	-1	742	741	72.	234887.
28	B1	4-CH	127	772	771	-1	783	587	86.	100048.
29	B1	NBZA	220	1011	1011	0	772	709	72.	31023.
30	B1	4-CH	107	1070	1067	-1	771	636	87.	67101.
31	B1	2-NI	142	1112	1112	0	770	673	72.	151900.
32	B1	DD-N	82	837	837	-2	778	516	83.	88677.
33	B1	B19-	184	1020	1020	0	777	342	74.	24373.
34	B1	NBZA	207	1130	1130	-2	778	633	87.	31633.
35	B1	2,4,	170	1170	1173	-3	772	680	91.	36884.
				-1180		-7	939	592	72.	
36	B1	2,4,	170	1184	1180	-4	788	600	87.	43208.
				-1176		4	994	586	86.	
37	B1	2-CH	162	1211	1208	-3	767	632	87.	131014.
38	B1	2-NI	80	1242	1238	-4	777	671	91.	48797.
39	B1	DIME	163	1287	1284	-3	771	721	92.	144428.
40	B1	ACEN	152	1277	1273	-4	738	732	93.	207696.
41	B1	2,6-	163	1302	1277	-5	777	602	88.	37338.
42	B1	2-NI	138	1327	1324	-3	702	372	81.	43730.
43	B1	ACEN	153	1338	1333	-3	786	681	91.	132331.
44	B1	2,4-	184	1347	1343	-6	786	377	86.	23364.
45	B1	4-NI	109	1367	1361	-6	933	296	69.	17306.
46	B1	DIBE	168	1368	1365	-3	968	624	87.	183860.
47	B1	2,4-	163	1382	1376	-6	976	632	90.	46738.
48	B1	DIET	147	1437	1430	-7	733	324	70.	167082.
49	B1	FLUO	166	1437	1430	-3	719	374	73.	161076.
50	B1	4-CH	204	1441	1437	-4	773	532	83.	60734.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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56	B1	N-NI	169	1471	1467	-4	965	47E	80.	108626.
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02028

59	B1	HEXA	284	1569	1568	-1	988	647	89.	34243.
60	B1	PENT	266	1606	1605	-1	987	560	85.	24458.
61	B1	PHEN	178	1637	1635	-2	955	721	91.	179253.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
				-1637		7	955	721	78.	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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66	B1	BENZ	184	1716	1715	-3	772	486	81.	157863.
67	B1	PYRE	202	1731	1730	-1	758	718	71.	181737.
68	B1	BUTY	147	2077	2076	-1	774	641	87.	121770.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
70	B1	BENZ	220	2181	2177	-4	773	442	78.	173878.
71	B1	BMBT	220	2179	2170	-9	788	713	73.	188171.
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73	B1	DI4-	244	1788	1788	0	772	516	82.	108264.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
75	B1	DI-N	147	2022	2024	2	770	516	83.	331153.
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				-2402		-7	978	759	81.	
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				-2399		1	982	758	94.	
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

02029

Quantitation Report File: STD00701

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

02030

No	Name				
1	D4-1,4-DICHLOROBENZENE	152	I	B1#	1
2	N-NITROSODIMETHYLAMINE	74		B1#	02
3	PHENOL	94		B1#	03CC
4	ANILINE	93		B1#	04
5	BIS(2-CHLOROETHYL)ETHER	93		B1#	05
6	2-CHLOROPHENOL	128		B1#	06
7	1,3-DICHLOROBENZENE	146		B1#	07
8	1,4-DICHLOROBENZENE	146		B1#	08CC
9	BENZYL ALCOHOL	108		B1#	09
10	1,2-DICHLOROBENZENE	146		B1#	10
11	2-METHYLPHENOL	108		B1#	11
12	BIS(2-CHLOROISOPROPYL)ETHER	45		B1#	12
13	4-METHYLPHENOL	108		B1#	13
14	N-NITROSO-DI-N-PROPYLAMINE	70		B1#	14SP
15	HEXACHLOROETHANE	117		B1#	15
16	2-FLUOROPHENOL	112	S	B1#	16
17	D5-PHENOL	99	S	B1#	17
18	D8-NAPHTHALENE	136	I	B1#	18
19	NITROBENZENE	77		B1#	19
20	ISOPHORONE	82		B1#	20
21	2-NITROPHENOL	139		B1#	21CC
22	2,4-DIMETHYLPHENOL	107		B1#	22
23	BIS(2-CHLOROETHOXY)METHANE	93		B1#	22
24	BENZOIC ACID	122		B1#	24
25	2,4-DICHLOROPHENOL	162		B1#	25CC
26	1,2,4-TRICHLOROBENZENE	180		B1#	26
27	NAPHTHALENE	128		B1#	27
28	4-CHLOROANILINE	127		B1#	28
29	HEXACHLOROBUTADIENE	223		B1#	29CC
30	4-CHLORO-3-METHYLPHENOL	107		B1#	30CC
31	2-METHYLNAPHTHALENE	142		B1#	31
32	D5-NITROBENZENE	82	S	B1#	32
33	D10-ACENAPHTHENE	164	I	B1#	33
34	HEXACHLOROCYCLOPENTADIENE	237		B1#	34SP
35	2,4,6-TRICHLOROPHENOL	196		B1#	35CC
36	2,4,5-TRICHLOROPHENOL	196		B1#	36
37	2-CHLORONAPHTHALENE	162		B1#	37
38	2-NITROANILINE	65		B1#	38
39	DIMETHYL PHTHALATE	163		B1#	39
40	ACENAPHTHALENE	152		B1#	40
41	2,6-DINITROTOLUENE	165		B1#	41
42	3-NITROANILINE	138		B1#	42
43	ACENAPHTHENE	153		B1#	43CC
44	2,4-DINITROPHENOL	184		B1#	44SP
45	4-NITROPHENOL	109		B1#	45SP
46	DIBENZOFURAN	168		B1#	46
47	2,4-DINITROTOLUENE	165		B1#	47
48	DIETHYLPHTHALATE	149		B1#	48
49	FLUORENE	166		B1#	49
50	4-CHLOROPHENYL-PHENYLETHER	204		B1#	50

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	729	9:07	1	1.000	A BB	12791.	40.000	UG/ML	0.28
2	74	343	4:17	1	0.471	# VV	66021.	167.000	UG/ML	1.17
3	94	684	8:33	1	0.938	A BB	139745.	187.634	UG/ML	1.32
4	93	681	8:31	1	0.934	# BV	167082.	185.093	UG/ML	1.30
5	93	695	8:41	1	0.953	# VV	104484.	179.215	UG/ML	1.26
6	128	700	8:45	1	0.960	# BV	87054.	176.232	UG/ML	1.24
7	146	723	9:02	1	0.992	# BV	93872.	185.679	UG/ML	1.31
8	146	733	9:10	1	1.005	# VB	102202.	181.785	UG/ML	1.28
9	108	765	9:34	1	1.049	# BV	61110.	197.526	UG/ML	1.39
10	146	766	9:34	1	1.051	# VB	96235.	186.208	UG/ML	1.31
11	108	785	9:49	1	1.077	# VV	80245.	178.499	UG/ML	1.25
12	45	790	9:52	1	1.084	# BV	178051.	185.529	UG/ML	1.30
13	108	816	10:12	1	1.119	# VV	67258.	139.505	UG/ML	0.98
14	70	824	10:18	1	1.130	# BV	77322.	183.844	UG/ML	1.29
15	117	821	10:16	1	1.126	A BB	40466.	189.665	UG/ML	1.33
16	112	528	6:36	1	0.724	# BV	180495.	377.964	UG/ML	2.66
17	99	682	8:31	1	0.936	# BV	248861.	380.044	UG/ML	2.67
18	136	970	12:07	18	1.000	# VV	46628.	40.000	UG/ML	0.28
19	77	843	10:32	18	0.869	# BV	96375.	187.384	UG/ML	1.32
20	82	892	11:09	18	0.920	# VB	168322.	170.987	UG/ML	1.20
21	139	902	11:16	18	0.930	# BB	49705.	189.966	UG/ML	1.34
22	107	915	11:26	18	0.943	A BB	70952.	178.501	UG/ML	1.25
23	93	933	11:40	18	0.962	# BV	109919.	185.153	UG/ML	1.30
24	122	955	11:56	18	0.985	# VV	6946.	10.086	UG/ML	0.07
25	162	949	11:52	18	0.978	# BB	61268.	178.647	UG/ML	1.26
26	180	963	12:02	18	0.993	# BV	66391.	185.494	UG/ML	1.30
27	128	975	12:11	18	1.005	# BV	254889.	190.946	UG/ML	1.34
28	127	992	12:24	18	1.023	# VV	100048.	176.798	UG/ML	1.24
29	225	1011	12:38	18	1.042	A BB	31025.	176.918	UG/ML	1.24
30	107	1090	13:37	18	1.124	A BB	67102.	178.352	UG/ML	1.25
31	142	1112	13:54	18	1.146	# BB	151900.	182.485	UG/ML	1.28
32	82	839	10:29	18	0.865	# BV	88699.	179.922	UG/ML	1.26
33	164	1326	16:34	33	1.000	A BB	24375.	40.000	UG/ML	0.28
34	237	1158	14:28	33	0.873	A BB	31635.	179.625	UG/ML	1.26
35	196	1176	14:42	33	0.887	# BV	36865.	168.368	UG/ML	1.18
36	196	1184	14:48	33	0.893	# VB	43209.	181.633	UG/ML	1.28
37	162	1211	15:08	33	0.913	# BV	131015.	179.536	UG/ML	1.26
38	65	1242	15:31	33	0.937	# VB	48998.	179.412	UG/ML	1.26
39	163	1287	16:05	33	0.971	A BB	144423.	168.868	UG/ML	1.19
40	152	1297	16:13	33	0.978	# BV	207697.	175.003	UG/ML	1.23
41	165	1302	16:16	33	0.982	A BB	37355.	166.286	UG/ML	1.17
42	138	1329	16:37	33	1.002	# BV	43930.	167.087	UG/ML	1.17
43	153	1336	16:42	33	1.008	A BB	132551.	176.677	UG/ML	1.24
44	184	1349	16:52	33	1.017	# BB	23364.	180.518	UG/ML	1.27
45	109	1367	17:05	33	1.031	A BB	17306.	175.501	UG/ML	1.23
46	168	1368	17:06	33	1.032	# BV	183861.	180.700	UG/ML	1.27
47	165	1382	17:16	33	1.042	A BB	46758.	165.131	UG/ML	1.16
48	149	1437	17:58	33	1.084	A BB	169082.	193.209	UG/ML	1.36
49	166	1439	17:59	33	1.085	A BB	161097.	184.419	UG/ML	1.30
50	204	1441	18:01	33	1.087	A BB	66725.	175.017	UG/ML	1.23

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:15	1.01	0.468	1.01	167.00	50.00	4.129	1.236	3.34
3	8:28	1.01	0.933	1.01	187.63	50.00	8.740	2.329	3.75
4	8:28	1.00	0.933	1.00	185.09	50.00	10.450	2.823	3.70

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No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
5	8:38	1.01	0.950	1.00	179.21	50.00	6.535	1.823	3.58
6	8:42	1.01	0.957	1.00	176.23	50.00	5.444	1.545	3.52
7	9:01	1.00	0.992	1.00	185.68	50.00	5.871	1.581	3.71
8	9:07	1.00	1.004	1.00	181.79	50.00	6.392	1.758	3.64
9	9:28	1.01	1.043	1.01	197.53	50.00	3.822	0.967	3.95
10	9:32	1.00	1.050	1.00	186.21	50.00	6.019	1.616	3.72
11	9:46	1.01	1.074	1.00	178.50	50.00	5.019	1.406	3.57
12	9:50	1.00	1.083	1.00	185.53	50.00	11.136	3.001	3.71
13	10:07	1.01	1.114	1.00	139.50	50.00	4.206	1.508	2.79
14	10:11	1.01	1.121	1.01	183.84	50.00	4.836	1.315	3.68
15	10:14	1.00	1.127	1.00	189.67	50.00	2.531	0.667	3.79
16	6:34	1.01	0.722	1.00	377.96	100.00	5.644	1.493	3.78
17	8:27	1.01	0.930	1.01	380.04	100.00	7.782	2.048	3.80
18	12:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
19	10:28	1.01	0.867	1.00	187.38	50.00	1.654	0.441	3.75
20	11:03	1.01	0.914	1.01	170.99	50.00	2.888	0.844	3.42
21	11:13	1.00	0.929	1.00	189.97	50.00	0.853	0.224	3.80
22	11:22	1.01	0.940	1.00	178.50	50.00	1.217	0.341	3.57
23	11:37	1.00	0.961	1.00	185.15	50.00	1.886	0.509	3.70
24	11:48	1.01	0.976	1.01	10.09	50.00	0.119	0.591	0.20
25	11:48	1.01	0.976	1.00	178.65	50.00	1.051	0.294	3.57
26	12:00	1.00	0.993	1.00	185.49	50.00	1.139	0.307	3.71
27	12:08	1.00	1.004	1.00	190.95	50.00	4.373	1.145	3.82
28	12:21	1.00	1.022	1.00	176.80	50.00	1.717	0.485	3.54
29	12:36	1.00	1.042	1.00	176.92	50.00	0.532	0.150	3.54
30	13:34	1.00	1.123	1.00	178.35	50.00	1.151	0.323	3.57
31	13:52	1.00	1.147	1.00	182.49	50.00	2.606	0.714	3.65
32	10:25	1.01	0.862	1.00	179.92	50.00	1.522	0.423	3.60
33	16:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	14:27	1.00	0.872	1.00	179.63	50.00	1.038	0.289	3.59
35	14:40	1.00	0.885	1.00	168.37	50.00	1.211	0.359	3.37
36	14:45	1.00	0.890	1.00	181.63	50.00	1.418	0.390	3.63
37	15:06	1.00	0.911	1.00	179.54	50.00	4.300	1.198	3.59
38	15:28	1.00	0.934	1.00	179.41	50.00	1.608	0.448	3.59
39	16:03	1.00	0.968	1.00	168.87	50.00	4.740	1.404	3.38
40	16:10	1.00	0.975	1.00	175.00	50.00	6.817	1.948	3.50
41	16:13	1.00	0.978	1.00	166.29	50.00	1.226	0.369	3.33
42	16:33	1.00	0.998	1.00	167.09	50.00	1.442	0.431	3.34
43	16:40	1.00	1.005	1.00	176.68	50.00	4.350	1.231	3.53
44	16:47	1.00	1.013	1.00	180.52	50.00	0.767	0.212	3.61
45	17:01	1.00	1.026	1.00	175.50	50.00	0.568	0.162	3.51
46	17:04	1.00	1.029	1.00	180.70	50.00	6.034	1.670	3.61
47	17:12	1.00	1.038	1.00	165.13	50.00	1.535	0.465	3.30
48	17:52	1.00	1.078	1.00	193.21	50.00	5.549	1.436	3.86
49	17:57	1.00	1.083	1.00	184.42	50.00	5.287	1.433	3.69
50	17:58	1.00	1.084	1.00	175.02	50.00	2.190	0.626	3.50

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Quantitation Report File: STDUU931

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

02033

No	Name				
51	4-NITROANILINE	138	B1#	51	
52	2-FLUOROBIPHENYL	172	SB1#	52	
53	2,4,6-TRIBROMOPHENOL	330	SB1#	53	
54	D10-PHENANTHRENE	188	IB1#	54	
55	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55	
56	N-NITROSODIPHENYLAMINE	169	B1#	56	CC
57	AZOBENENE	77	B1#	57	
58	4-BROMOPHENYL-PHENYLETHER	248	B1#	58	
59	HEXACHLOROBENZENE	284	B1#	59	
60	PENTACHLOROPHENOL	266	B1#	60	CC
61	PHENANTHRENE	178	B1#	61	
62	ANTHRACENE	178	B1#	62	
63	DI-N-BUTYLPHTHALATE	149	B1#	63	
64	FLUORANTHENE	202	B1#	64	CC
65	D12-CHRYSENE	240	IB1#	65	
66	BENZIDINE	184	B1#	66	
67	PYRENE	202	B1#	67	
68	BUTYLBENZYLPHTHALATE	149	B1#	68	
69	3,3'-DICHLOROBENZIDINE	252	B1#	69	
70	BENZO(A)ANTHRACENE	228	B1#	70	
71	CHRYSENE	228	B1#	71	
72	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	
73	D14-TERPHENYL	244	SB1#	73	
74	D12-PERYLENE	264	IB1#	74	
75	DI-N-OCTYL PHTHALATE	149	B1#	75	CC
76	BENZO(B)FLUORANTHENE	252	B1#	76	
77	BENZO(K)FLUORANTHENE	252	B1#	77	
78	BENZO(A)PYRENE	252	B1#	78	CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	
81	BENO(GHI)PERYLENE	276	B1#	81	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	138	1464	18:18	33	1.104	# BV	39914.	161.392	UG/ML	1.13
52	172	1193	14:55	33	0.900	# BV	143927.	180.698	UG/ML	1.27
53	330	1495	18:41	33	1.127	A BB	30265.	327.161	UG/ML	2.30
54	188	1630	20:22	54	1.000	# BV	33772.	40.000	UG/ML	0.28
55	198	1469	18:22	54	0.901	A BB	31924.	196.387	UG/ML	1.38
56	169	1471	18:23	54	0.902	A BB	108626.	195.429	UG/ML	1.37
57	77	1474	18:25	54	0.904	# VV	216024.	232.968	UG/ML	1.64
58	248	1540	19:15	54	0.945	A BB	32439.	178.174	UG/ML	1.25
59	284	1569	19:37	54	0.963	A BB	34244.	178.511	UG/ML	1.25
60	266	1606	20:04	54	0.985	# BV	24458.	177.048	UG/ML	1.24
61	178	1637	20:28	54	1.004	# BV	179254.	171.197	UG/ML	1.20
62	178	1647	20:35	54	1.010	# VV	191020.	177.893	UG/ML	1.25
63	149	1768	22:06	54	1.085	# BV	262933.	179.347	UG/ML	1.26
64	202	1884	23:33	54	1.156	# BV	176683.	181.561	UG/ML	1.28
65	240	2184	27:18	65	1.000	A BB	38624.	40.000	UG/ML	0.28
66	184	1916	23:57	65	0.877	# BV	159863.	341.595	UG/ML	2.40
67	202	1931	24:08	65	0.884	# BV	181740.	126.362	UG/ML	0.89
68	149	2077	25:58	65	0.951	# BV	121970.	142.371	UG/ML	1.00
69	252	2184	27:18	65	1.000	# BV	149893.	345.437	UG/ML	2.43

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
70	228	2181	27:16	65	0.999	# BV	193879.	154.578	UG/ML	1.09
71	228	2193	27:25	65	1.004	# VV	188171.	169.573	UG/ML	1.19
72	149	2201	27:31	65	1.008	# VV	185187.	148.335	UG/ML	1.04
73	244	1966	24:34	65	0.900	# BB	108265.	120.271	UG/ML	0.85
74	264	2464	30:48	74	1.000	A BB	32490.	40.000	UG/ML	0.28
75	149	2322	29:01	74	0.942	# BV	331154.	183.972	UG/ML	1.29
76	252	2399	29:59	74	0.974	A BB	383566.	357.500	UG/ML	2.51
77	252	2402	30:01	74	0.975	A BB	383925.	338.565	UG/ML	2.38
78	252	2456	30:42	74	0.997	# VV	172941.	175.700	UG/ML	1.24
79	276	2697	33:43	74	1.095	# BV	43102.	34.638	UG/ML	0.24
80	278	2698	33:43	74	1.095	# BV	33949.	33.734	UG/ML	0.24
81	276	2775	34:41	74	1.126	# BV	127769.	124.774	UG/ML	0.88

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:10	1.01	1.096	1.01	161.39	50.00	1.310	0.406	3.23
52	14:52	1.00	0.897	1.00	180.70	50.00	4.724	1.307	3.61
53	18:37	1.00	1.124	1.00	327.16	100.00	0.497	0.152	3.27
54	20:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
55	18:16	1.01	0.897	1.00	196.39	50.00	0.756	0.193	3.93
56	18:19	1.00	0.900	1.00	195.43	50.00	2.573	0.658	3.91
57	18:23	1.00	0.904	1.00	232.97	50.00	5.117	1.098	4.66
58	19:13	1.00	0.944	1.00	178.17	50.00	0.768	0.216	3.56
59	19:34	1.00	0.962	1.00	178.51	50.00	0.811	0.227	3.57
60	20:02	1.00	0.985	1.00	177.05	50.00	0.579	0.164	3.54
61	20:25	1.00	1.003	1.00	171.20	50.00	4.246	1.240	3.42
62	20:31	1.00	1.009	1.00	177.89	50.00	4.525	1.272	3.56
63	22:04	1.00	1.084	1.00	179.35	50.00	6.228	1.736	3.59
64	23:30	1.00	1.155	1.00	181.56	50.00	4.185	1.153	3.63
65	27:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
66	23:52	1.00	0.876	1.00	341.59	100.00	1.656	0.485	3.42
67	24:05	1.00	0.884	1.00	126.36	50.00	3.764	1.489	2.53
68	25:55	1.00	0.950	1.00	142.37	50.00	2.526	0.887	2.85
69	27:12	1.00	0.998	1.00	345.44	100.00	1.552	0.449	3.45
70	27:12	1.00	0.998	1.00	154.58	50.00	4.016	1.299	3.09
71	27:20	1.00	1.003	1.00	169.57	50.00	3.898	1.149	3.39
72	27:28	1.00	1.008	1.00	148.33	50.00	3.836	1.293	2.97
73	24:32	1.00	0.900	1.00	120.27	50.00	2.242	0.932	2.41
74	30:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
75	28:59	1.00	0.943	1.00	183.97	50.00	8.154	2.216	3.68
76	29:52	1.00	0.972	1.00	357.50	50.00	9.444	1.321	7.15
77	29:56	1.00	0.974	1.00	338.56	50.00	9.453	1.396	6.77
78	30:37	1.00	0.996	1.00	175.70	50.00	4.258	1.212	3.51
79	33:40	1.00	1.095	1.00	34.64	50.00	1.061	1.532	0.69
80	33:40	1.00	1.096	1.00	33.73	50.00	0.836	1.239	0.67
81	34:30	1.01	1.122	1.00	124.77	50.00	3.146	1.261	2.50

02034

QUANTITATION REPORT FILE: STDUU931

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

02035

NO	NAME				
1	D4-1,4-DICHLOROBENZENE	152	IB1#	1	
2	D8-NAPHTHALENE	136	IB1#	18	
3	D10-ACENAPHTHENE	164	IB1#	33	
4	D10-PHENANTHRENE	188	IB1#	54	
5	D12-CHRYSENE	240	IB1#	65	
6	D12-PERYLENE	264	IB1#	74	
7	D5-NITROBENZENE	82	SB1#	32	
8	2-FLUOROBIPHENYL	172	SB1#	52	
9	D14-TERPHENYL	244	SB1#	73	
10	D5-PHENOL	99	SB1#	17	
11	2-FLUOROPHENOL	112	SB1#	16	
12	2,4,6-TRIBROMOPHENOL	330	SB1#	53	
13	N-NITROSODIMETHYLAMINE	74	B1#	02	
14	PHENOL	94	B1#	03CC	
15	ANILINE	93	B1#	04	
16	BIS(2-CHLOROETHYL)ETHER	93	B1#	05	
17	2-CHLOROPHENOL	128	B1#	06	
18	1,3-DICHLOROBENZENE	146	B1#	07	
19	1,4-DICHLOROBENZENE	146	B1#	08CC	
20	BENZYL ALCOHOL	108	B1#	09	
21	1,2-DICHLOROBENZENE	146	B1#	10	
22	2-METHYLPHENOL	108	B1#	11	
23	BIS(2-CHLOROISOPROPYL)ETHER	45	B1#	12	
24	4-METHYLPHENOL	108	B1#	13	
25	N-NITROSO-DI-N-PROPYLAMINE	70	B1#	14SP	
26	HEXACHLOROETHANE	117	B1#	15	
27	NITROBENZENE	77	B1#	19	
28	ISOPHORONE	82	B1#	20	
29	2-NITROPHENOL	139	B1#	21CC	
30	2,4-DIMETHYLPHENOL	107	B1#	22	
31	BIS(2-CHLOROETHOXY)METHANE	93	B1#	22	
32	BENZOIC ACID	122	B1#	24	
33	2,4-DICHLOROPHENOL	162	B1#	25CC	
34	1,2,4-TRICHLOROBENZENE	180	B1#	26	
35	NAPHTHALENE	128	B1#	27	
36	4-CHLOROANILINE	127	B1#	28	
37	HEXACHLOROBUTADIENE	223	B1#	29CC	
38	4-CHLORO-3-METHYLPHENOL	107	B1#	30CC	
39	2-METHYLNAPHTHALENE	142	B1#	31	
40	HEXACHLOROCYCLOPENTADIENE	237	B1#	34SP	
41	2,4,6-TRICHLOROPHENOL	196	B1#	35CC	
42	2,4,5-TRICHLOROPHENOL	196	B1#	36	
43	2-CHLORONAPHTHALENE	162	B1#	37	
44	2-NITROANILINE	65	B1#	38	
45	DIMETHYL PHTHALATE	163	B1#	39	
46	ACENAPHTHALENE	152	B1#	40	
47	2,6-DINITROTOLUENE	165	B1#	41	
48	3-NITROANILINE	138	B1#	42	
49	ACENAPHTHENE	153	B1#	43CC	
50	2,4-DINITROPHENOL	184	B1#	44SP	
51	4-NITROPHENOL	109	B1#	45SP	
52	DIBENZOFURAN	168	B1#	46	
53	2,4-DINITROTOLUENE	165	B1#	47	

NO	NAME			
54	DIETHYLPHTHALATE	149	B1#	48
55	FLUORENE	166	B1#	49
56	4-CHLOROPHENYL-PHENYLETHER	204	B1#	50
57	4-NITROANILINE	138	B1#	51
58	4,6-DINITRO-2-METHYLPHENOL	198	B1#	55
59	N-NITROSODIPHENYLAMINE	169	B1#	56CC
60	AZOBENENE	77	B1#	57
61	4-BROMOPHENYL-PHENYLETHER	248	B1#	58
62	HEXACHLOROBENZENE	284	B1#	59
63	PENTACHLOROPHENOL	266	B1#	60CC
64	PHENANTHRENE	178	B1#	61
65	ANTHRACENE	178	B1#	62
66	DI-N-BUTYLPHTHALATE	149	B1#	63
67	FLUORANTHENE	202	B1#	64CC
68	BENZIDINE	184	B1#	66
69	PYRENE	202	B1#	67
70	BUTYLBENZYLPHTHALATE	149	B1#	68
71	3,3'-DICHLOROBENZIDINE	252	B1#	69
72	BENZO(A)ANTHRACENE	228	B1#	70
73	CHRYSENE	228	B1#	71
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC
76	BENZO(B)FLUORANTHENE	252	B1#	76
77	BENZO(K)FLUORANTHENE	252	B1#	77
78	BENZO(A)PYRENE	252	B1#	78CC
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80
81	BENO(GHI)PERYLENE	276	B1#	81

02036

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	152	729	9:07	1	1.000	A BB	12791.	40.000	UG/ML	0.28
2	136	970	12:07	2	1.000	# VV	46628.	40.000	UG/ML	0.28
3	164	1326	16:34	3	1.000	A BB	24375.	40.000	UG/ML	0.28
4	188	1630	20:22	4	1.000	# BV	33772.	40.000	UG/ML	0.28
5	240	2184	27:18	5	1.000	A BB	38624.	40.000	UG/ML	0.28
6	264	2464	30:48	6	1.000	A BB	32490.	40.000	UG/ML	0.28
7	82	839	10:29	2	0.865	# BV	88699.	179.922	UG/ML	1.26
8	172	1193	14:55	3	0.900	# BV	143927.	180.698	UG/ML	1.27
9	244	1966	24:34	5	0.900	# BB	108265.	120.271	UG/ML	0.85
10	99	682	8:31	1	0.936	# BV	248861.	380.044	UG/ML	2.67
11	112	528	6:36	1	0.724	# BV	180495.	377.964	UG/ML	2.66
12	330	1495	18:41	3	1.127	A BB	30265.	327.161	UG/ML	2.30
13	74	343	4:17	1	0.471	# VV	66021.	167.000	UG/ML	1.17
14	94	684	8:33	1	0.938	A BB	139745.	187.634	UG/ML	1.32
15	93	681	8:31	1	0.934	# BV	167082.	185.093	UG/ML	1.30
16	93	695	8:41	1	0.953	# VV	104484.	179.213	UG/ML	1.26
17	128	700	8:45	1	0.960	# BV	87054.	176.232	UG/ML	1.24
18	146	723	9:02	1	0.992	# BV	93872.	185.679	UG/ML	1.31
19	146	733	9:10	1	1.005	# VB	102202.	181.765	UG/ML	1.28
20	108	765	9:34	1	1.049	# BV	61110.	197.526	UG/ML	1.39
21	146	766	9:34	1	1.051	# VB	96235.	186.208	UG/ML	1.31
22	108	785	9:49	1	1.077	# VV	80245.	178.499	UG/ML	1.25
23	45	790	9:52	1	1.084	# BV	178031.	185.529	UG/ML	1.30
24	108	816	10:12	1	1.119	# VV	67258.	139.505	UG/ML	0.98
25	70	824	10:18	1	1.130	# BV	77322.	183.844	UG/ML	1.29
26	117	821	10:16	1	1.126	A BB	40466.	189.663	UG/ML	1.33

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
27	77	843	10:32	2	0.869	# BV	96375.	187.384	UG/ML	1.32
28	82	892	11:09	2	0.920	# VB	168323.	170.967	UG/ML	1.20
29	139	902	11:16	2	0.930	# BB	49705.	189.966	UG/ML	1.34
30	107	915	11:26	2	0.943	A BB	70953.	178.501	UG/ML	1.25
31	93	933	11:40	2	0.962	# BV	109919.	185.153	UG/ML	1.30
32	122	955	11:56	2	0.985	# VV	6946.	10.086	UG/ML	0.07
33	162	949	11:52	2	0.978	# BB	61268.	178.647	UG/ML	1.26
34	180	963	12:02	2	0.993	# BV	66391.	185.494	UG/ML	1.30
35	128	975	12:11	2	1.005	# BV	254889.	190.946	UG/ML	1.34
36	127	992	12:24	2	1.023	# VV	100048.	176.798	UG/ML	1.24
37	225	1011	12:38	2	1.042	A BB	31025.	176.918	UG/ML	1.24
38	107	1090	13:37	2	1.124	A BB	67102.	178.352	UG/ML	1.25
39	142	1112	13:54	2	1.146	# BB	151900.	182.485	UG/ML	1.28
40	237	1158	14:28	3	0.873	A BB	31635.	179.625	UG/ML	1.26
41	196	1176	14:42	3	0.887	# BV	36885.	168.368	UG/ML	1.18
42	196	1184	14:48	3	0.893	# VB	43209.	181.633	UG/ML	1.28
43	162	1211	15:08	3	0.913	# BV	131015.	179.536	UG/ML	1.26
44	65	1242	15:31	3	0.937	# VB	48998.	179.412	UG/ML	1.26
45	163	1287	16:05	3	0.971	A BB	144428.	168.868	UG/ML	1.19
46	152	1297	16:13	3	0.978	# BV	207697.	175.003	UG/ML	1.23
47	165	1302	16:16	3	0.982	A BB	37359.	166.286	UG/ML	1.17
48	138	1329	16:37	3	1.002	# BV	43930.	167.087	UG/ML	1.17
49	153	1336	16:42	3	1.008	A BB	132551.	176.677	UG/ML	1.24
50	184	1349	16:52	3	1.017	# BB	23364.	180.518	UG/ML	1.27
51	109	1367	17:05	3	1.031	A BB	17306.	175.501	UG/ML	1.23
52	168	1368	17:06	3	1.032	# BV	183861.	180.700	UG/ML	1.27
53	165	1382	17:16	3	1.042	A BB	46758.	165.131	UG/ML	1.16
54	149	1437	17:58	3	1.084	A BB	169083.	193.209	UG/ML	1.36
55	166	1439	17:59	3	1.085	A BB	161097.	184.419	UG/ML	1.30
56	204	1441	18:01	3	1.087	A BB	66715.	175.017	UG/ML	1.23
57	138	1464	18:18	3	1.104	# BV	39914.	161.392	UG/ML	1.13
58	198	1469	18:22	4	0.901	A BB	31924.	196.387	UG/ML	1.38
59	169	1471	18:23	4	0.902	A BB	108626.	195.429	UG/ML	1.37
60	77	1474	18:25	4	0.904	# VV	216024.	232.968	UG/ML	1.64
61	248	1540	19:15	4	0.945	A BB	32439.	178.174	UG/ML	1.25
62	284	1569	19:37	4	0.963	A BB	34244.	178.511	UG/ML	1.25
63	266	1606	20:04	4	0.985	# BV	24458.	177.048	UG/ML	1.24
64	178	1637	20:28	4	1.004	# BV	179254.	171.197	UG/ML	1.20
65	178	1647	20:35	4	1.010	# VV	191020.	177.893	UG/ML	1.25
66	149	1768	22:06	4	1.085	# BV	262933.	179.347	UG/ML	1.26
67	202	1884	23:33	4	1.156	# BV	176623.	181.561	UG/ML	1.28
68	184	1916	23:57	5	0.877	# BV	159863.	341.595	UG/ML	2.40
69	202	1931	24:08	5	0.884	# BV	181740.	126.362	UG/ML	0.89
70	149	2077	25:58	5	0.951	# BV	121970.	142.371	UG/ML	1.00
71	252	2184	27:18	5	1.000	# BV	149893.	345.437	UG/ML	2.43
72	228	2181	27:16	5	0.999	# BV	193879.	154.578	UG/ML	1.09
73	228	2193	27:25	5	1.004	# VV	188171.	169.573	UG/ML	1.19
74	149	2201	27:31	5	1.008	# VV	185187.	148.335	UG/ML	1.04
75	149	2322	29:01	6	0.942	# BV	331154.	183.972	UG/ML	1.29
76	252	2399	29:59	6	0.974	A BB	383586.	357.500	UG/ML	2.51
77	252	2402	30:01	6	0.975	A BB	383925.	338.565	UG/ML	2.38
78	252	2456	30:42	6	0.997	# VV	172941.	175.700	UG/ML	1.24
79	276	2697	33:43	6	1.095	# BV	43102.	34.638	UG/ML	0.24
80	278	2698	33:43	6	1.095	# BV	33949.	33.734	UG/ML	0.24
81	276	2775	34:41	6	1.126	# BV	127769.	124.774	UG/ML	0.88

02037

RMAL QUANTITATION SUMMARY FILE: STDUU931
RESULTS PRINTED ONLY FOR COMPONENTS GREATER THAN 1

02038

NO	NAME		SCAN	REF	RRT	FRF	AMOUNT	UNITS
1	D4-1,4-DICHLOROBENZENE	152IB1# 1	729	1	1.000	1.000	40.000	UG/ML
2	D8-NAPHTHALENE	136IB1# 18	970	2	1.000	1.000	40.000	UG/ML
3	D10-ACENAPHTHENE	164IB1# 33	1326	3	1.000	1.000	40.000	UG/ML
4	D10-PHENANTHRENE	188IB1# 54	1670	4	1.000	1.000	40.000	UG/ML
5	D12-CHRYSENE	240IB1# 65	2184	5	1.000	1.000	40.000	UG/ML
6	D12-PERYLENE	264IB1# 74	2464	6	1.000	1.000	40.000	UG/ML
7	D5-NITROBENZENE	82SB1# 32	839	2	0.865	1.522	179.922	UG/ML
8	2-FLUOROBIPHENYL	172SB1# 52	1193	3	0.900	4.724	180.698	UG/ML
9	D14-TERPHENYL	244SB1# 73	1966	5	0.900	2.242	120.271	UG/ML
10	D5-PHENOL	99SB1# 17	682	1	0.936	7.782	380.044	UG/ML
11	2-FLUOROPHENOL	112SB1# 16	528	1	0.724	5.644	377.964	UG/ML
12	2,4,6-TRIBROMOPHENOL	330SB1# 53	1495	3	1.127	0.497	327.161	UG/ML
13	N-NITROSODIMETHYLAMINE	74 B1# 02	343	1	0.471	4.129	167.000	UG/ML
14	PHENOL	94 B1# 03CC	684	1	0.938	8.740	187.634	UG/ML
15	ANILINE	93 B1# 04	681	1	0.934	10.450	185.093	UG/ML
16	BIS(2-CHLOROETHYL)ETHER	93 B1# 05	695	1	0.953	6.535	179.215	UG/ML
17	2-CHLOROPHENOL	128 B1# 06	700	1	0.960	5.445	176.232	UG/ML
18	1,3-DICHLOROBENZENE	146 B1# 07	723	1	0.992	5.871	185.679	UG/ML
19	1,4-DICHLOROBENZENE	146 B1# 08CC	723	1	1.005	6.392	181.785	UG/ML
20	BENZYL ALCOHOL	108 B1# 09	765	1	1.049	3.822	197.526	UG/ML
21	1,2-DICHLOROBENZENE	146 B1# 10	766	1	1.051	6.019	186.208	UG/ML
22	2-METHYLPHENOL	108 B1# 11	785	1	1.077	5.019	178.499	UG/ML
23	BIS(2-CHLOROISOPROPYL)ETHER	45 B1# 12	790	1	1.084	11.136	185.529	UG/ML
24	4-METHYLPHENOL	108 B1# 13	816	1	1.119	4.206	139.505	UG/ML
25	N-NITROSO-DI-N-PROPYLAMINE	70 B1# 14SP	824	1	1.130	4.836	183.844	UG/ML
26	HEXACHLOROETHANE	117 B1# 15	821	1	1.126	2.531	189.665	UG/ML
27	NITROBENZENE	77 B1# 19	843	2	0.869	1.654	187.384	UG/ML
28	ISOPHORONE	82 B1# 20	892	2	0.920	2.888	170.987	UG/ML
29	2-NITROPHENOL	139 B1# 21CC	902	2	0.930	0.853	189.966	UG/ML
30	2,4-DIMETHYLPHENOL	107 B1# 22	915	2	0.943	1.217	178.501	UG/ML
31	BIS(2-CHLOROETHOXY)METHANE	93 B1# 23	933	2	0.962	1.886	185.153	UG/ML
32	BENZOIC ACID	122 B1# 24	955	2	0.985	0.119	10.086	UG/ML
33	2,4-DICHLOROPHENOL	162 B1# 25CC	949	2	0.978	1.051	178.647	UG/ML
34	1,2,4-TRICHLOROBENZENE	180 B1# 26	963	2	0.993	1.139	185.494	UG/ML
35	NAPHTHALENE	128 B1# 27	975	2	1.005	4.373	190.946	UG/ML
36	4-CHLOROANILINE	127 B1# 28	992	2	1.023	1.717	176.798	UG/ML
37	HEXACHLOROBUTADIENE	223 B1# 29CC	1011	2	1.042	0.532	176.918	UG/ML
38	4-CHLORO-3-METHYLPHENOL	107 B1# 30CC	1090	2	1.124	1.151	178.352	UG/ML
39	2-METHYLNAPHTHALENE	142 B1# 31	1112	2	1.146	2.606	182.485	UG/ML
40	HEXACHLOROCYCLOPENTADIENE	237 B1# 34SP	1138	3	0.873	1.038	179.625	UG/ML
41	2,4,6-TRICHLOROPHENOL	196 B1# 35CC	1176	3	0.887	1.211	168.368	UG/ML
42	2,4,5-TRICHLOROPHENOL	196 B1# 36	1184	3	0.893	1.418	181.633	UG/ML
43	2-CHLORONAPHTHALENE	162 B1# 37	1211	3	0.913	4.300	179.536	UG/ML
44	2-NITROANILINE	65 B1# 38	1242	3	0.937	1.608	179.412	UG/ML
45	DIMETHYL PHTHALATE	163 B1# 39	1287	3	0.971	4.740	168.868	UG/ML
46	ACENAPHTHALENE	152 B1# 40	1297	3	0.978	6.817	175.003	UG/ML
47	2,6-DINITROTOLUENE	165 B1# 41	1302	3	0.982	1.226	166.286	UG/ML
48	3-NITROANILINE	138 B1# 42	1329	3	1.002	1.442	167.067	UG/ML
49	ACENAPHTHENE	153 B1# 43CC	1336	3	1.008	4.350	176.677	UG/ML
50	2,4-DINITROPHENOL	184 B1# 44SP	1349	3	1.017	0.767	180.518	UG/ML
51	4-NITROPHENOL	109 B1# 45SP	1367	3	1.031	0.568	175.501	UG/ML
52	DIBENZOFURAN	168 B1# 46	1368	3	1.032	6.034	180.700	UG/ML
53	2,4-DINITROTOLUENE	165 B1# 47	1382	3	1.042	1.535	165.131	UG/ML
54	DIETHYLPHTHALATE	149 B1# 48	1437	3	1.084	5.549	193.209	UG/ML
55	FLUORENE	166 B1# 49	1439	3	1.085	5.287	184.419	UG/ML
56	4-CHLOROPHENYL-PHENYLETHER	204 B1# 50	1441	3	1.087	2.190	175.017	UG/ML
57	4-NITROANILINE	138 B1# 51	1464	3	1.104	1.310	161.392	UG/ML
58	4,6-DINITRO-2-METHYLPHENOL	198 B1# 55	1469	4	0.901	0.756	196.387	UG/ML
59	N-NITROSODIPHENYLAMINE	169 B1# 56CC	1471	4	0.902	2.573	195.429	UG/ML
60	AZOBENENE	77 B1# 57	1474	4	0.904	5.117	232.968	UG/ML
61	4-BROMOPHENYL-PHENYLETHER	248 B1# 58	1540	4	0.945	0.768	178.174	UG/ML

62	HEXACHLOROBENZENE	284	B1#	57	1617	4	0.981	0.[illegible]	[illegible]	[illegible]
63	PENTACHLOROPHENOL	266	B1#	60CC	1606	4	0.985	0.579	177.048	UG/ML
64	PHENANTHRENE	178	B1#	61	1637	4	1.004	4.246	171.197	UG/ML
65	ANTHRACENE	178	B1#	62	1647	4	1.010	4.525	177.893	UG/ML
66	DI-N-BUTYLPHTHALATE	149	B1#	63	1768	4	1.085	6.228	179.347	UG/ML
67	FLUORANTHENE	202	B1#	64CC	1884	4	1.156	4.185	181.561	UG/ML
68	BENZIDINE	184	B1#	66	1916	5	0.877	1.656	341.595	UG/ML
69	PYRENE	202	B1#	67	1931	5	0.884	3.764	126.362	UG/ML
70	BUTYLBENZYLPHTHALATE	149	B1#	68	2077	5	0.951	2.526	142.371	UG/ML
71	3,3'-DICHLOROBENZIDINE	252	B1#	69	2164	5	1.000	1.552	345.437	UG/ML
72	BENZO(A)ANTHRACENE	228	B1#	70	2161	5	0.999	4.016	154.578	UG/ML
73	CHRYSENE	228	B1#	71	2193	5	1.004	3.698	169.573	UG/ML
74	BIS(2-ETHYLHEXYL)PHTHALATE	149	B1#	72	2201	5	1.008	3.836	148.335	UG/ML
75	DI-N-OCTYL PHTHALATE	149	B1#	75CC	2322	6	0.942	8.154	183.972	UG/ML
76	BENZO(B)FLUORANTHENE	252	B1#	76	2399	6	0.974	9.444	357.500	UG/ML
77	BENZO(K)FLUORANTHENE	252	B1#	77	2402	6	0.975	9.453	338.565	UG/ML
78	BENZO(A)PYRENE	252	B1#	78CC	2456	6	0.997	4.258	175.700	UG/ML
79	INDENO(1,2,3-CD)PYRENE	276	B1#	79	2697	6	1.095	1.061	34.638	UG/ML
80	DIBENZ(A,H)ANTHRACENE	278	B1#	80	2698	6	1.095	0.836	33.734	UG/ML
81	BENO(GHI)PERYLENE	276	B1#	81	2775	6	1.126	3.146	124.774	UG/ML

10/26/87 13:10:16 SCAN 1 OF 2900
Acquisition started

Acquire
10/26/87 13:10:00 + 0:04
Sample: 20 PPM PYRIDINE C5 10/26/87MLB
Conds.: SK
Formula: 20 PPM PYRIDINE
Submitted by: RMAL

Run 0:STDR103
Free sectors: 4563
Instrument: 4500
Analyst: JK

ACQUIRING
Scan: 5 of 2900
Weight: 0.000
Acct. No:

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

Loaded GC Desc:SK Current GC oven tmp: 28 DegC Injector : 250 DegC
Current GC Desc:SK GC elapsed time : 0: 3 min Int.oven : 250 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			

********** 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

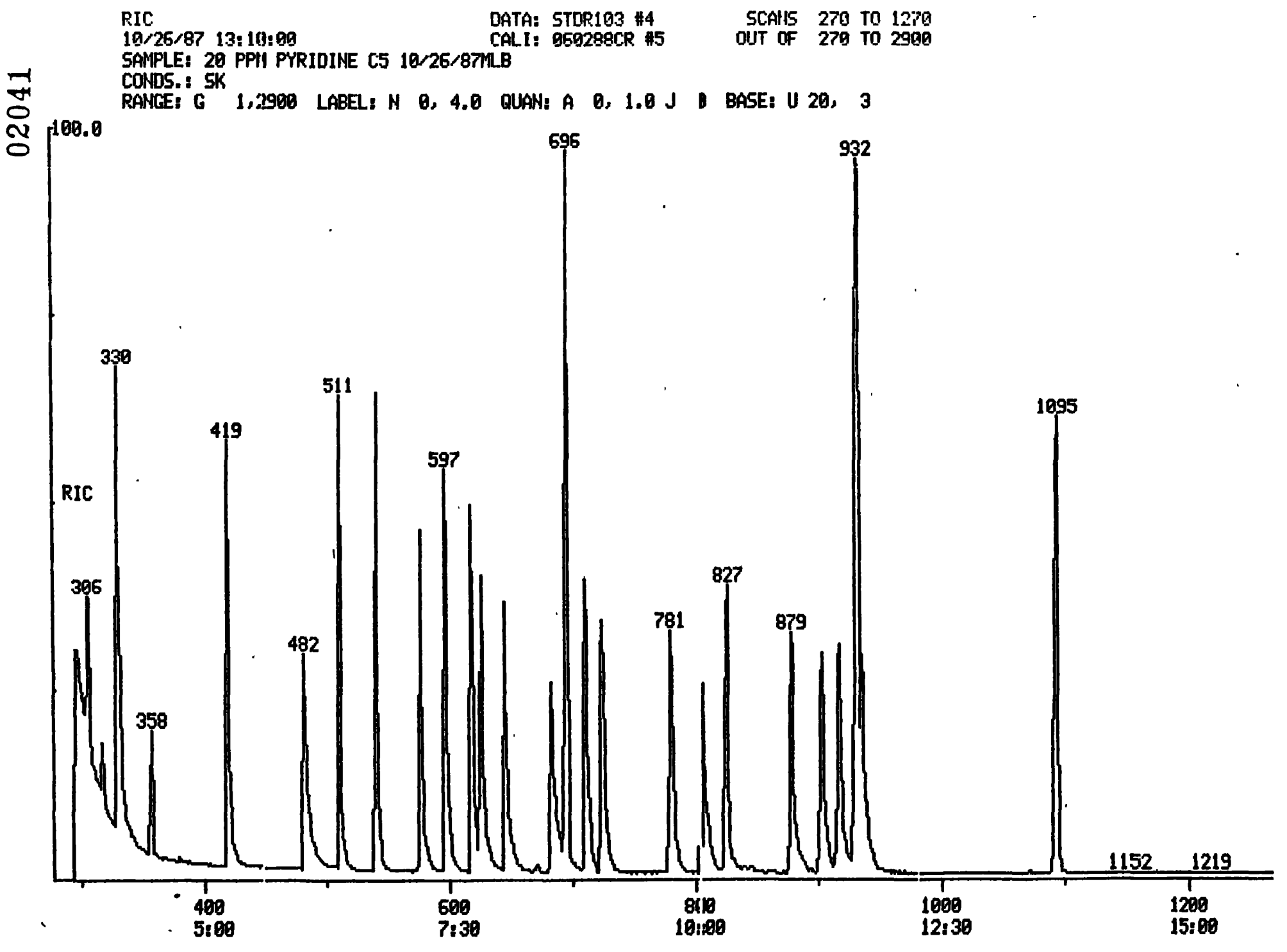
Min Area: 20

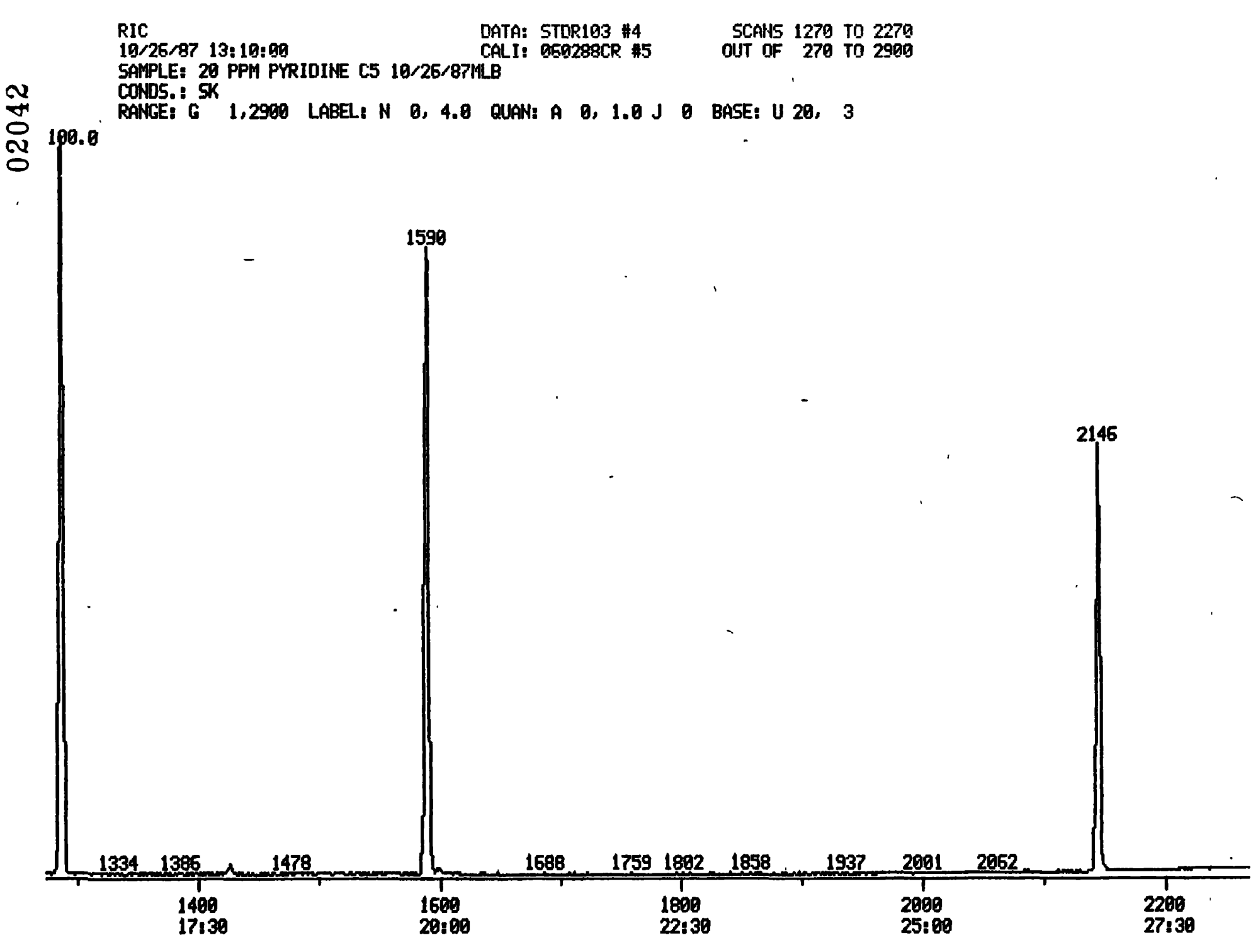
***** Mode: Centroid positive ion

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	

10/26/87 13:46:33
ACQUISITION COMPLETED
SCANS 1 TO 2900 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2900	285.9	2175.0	13.1	42224. 15.	19.

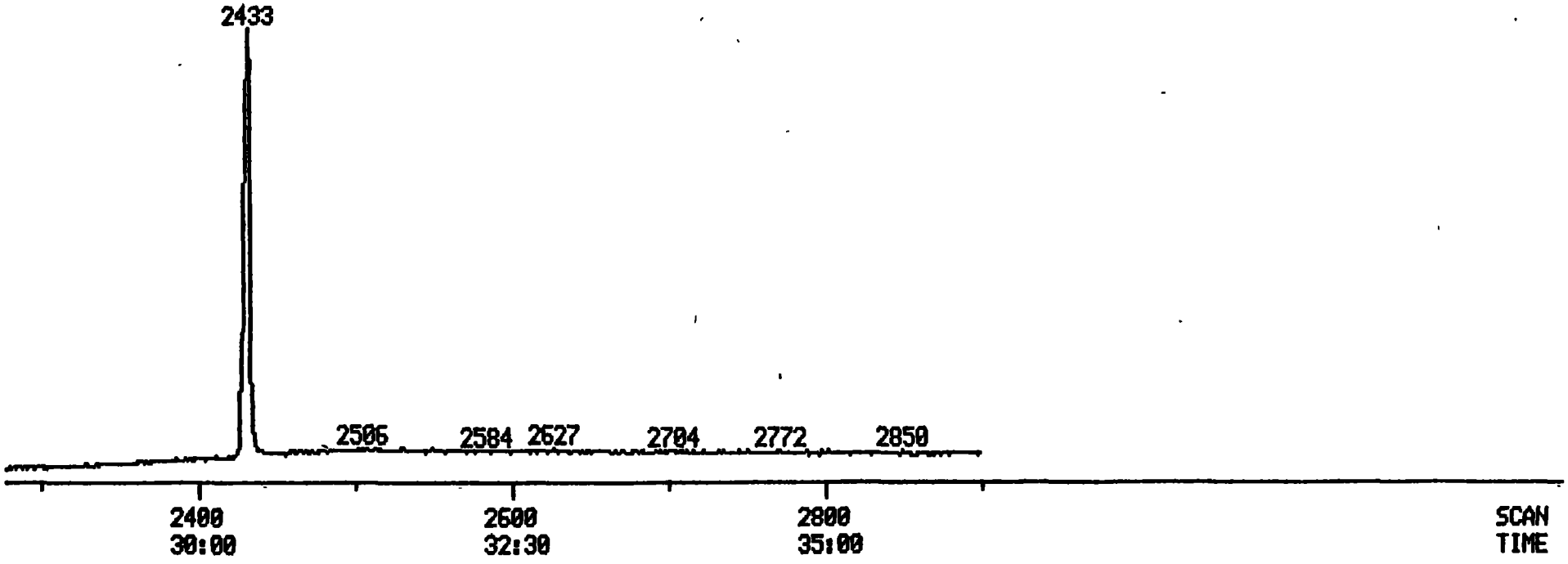

RIC
10/26/87 13:10:00
DATA: STDR103 #4
CALI: 060288CR #5
SCANS 270 TO 1270
OUT OF 270 TO 2900
SAMPLE: 20 PPM PYRIDINE C5 10/26/87MLB
CONDS.: SK
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J B BASE: U 20, 3
02041
100.0
RIC
330
419
511
597
696
932
1095
306
358
482
781
827
879
1152
1219
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00


RIC
10/26/87 13:10:00
DATA: STDR103 #4
CALI: 060288CR #5
SCANS 1270 TO 2270
OUT OF 270 TO 2900
SAMPLE: 20 PPM PYRIDINE C5 10/26/87MLB
CONDS.: SK
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
02042
100.0
1590
2146
1334
1386
1478
1688
1759
1802
1858
1937
2001
2062
1400
17:30
1600
20:00
1800
22:30
2000
25:00
2200
27:30

02043

RIC DATA: STDR103 #4 SCANS 2270 TO 2900
10/26/87 13:10:00 CALI: 060288CR #5 OUT OF 270 TO 2900
SAMPLE: 20 PPM PYRIDINE C5 10/26/87MLB
CONDS.: SK
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 73600.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/06/06 6:42
DATA FILE: STDR103
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	1	0	13	13	4	175	IS01/TC01
3	3	1	113	14	14	1	152	IS02/TC02

26 COMPOUNDS PROCESSED, 26 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 PE
1	S1	1	-715	696	696	.	1	952	.	152	696	.	
2	S1	4	-332	328	330	2	1	991	.	84	330	.	
3	S1	20	-334	330	332	2	1	982	.	79	332	.	
4	S1	30	-429	421	419	-2	1	994	.	93	419	.	
5	S1	62	-494	483	482	-1	1	997	.	93	482	.	
6	S1	64	-525	513	511	-2	1	996	.	107	511	.	
7	S1	73	-557	543	541	-2	1	998	.	106	541	.	
8	S1	83	-593	578	577	-1	1	996	.	107	577	.	
9	S1	87	-614	598	597	-1	1	995	.	107	597	.	
10	S1	88	-635	618	618	.	2	998	.	107	618	.	
11	S1	89	-643	626	626	.	2	999	.	107	626	.	
12	S1	92	-662	644	645	1	1	998	.	107	645	.	
13	S1	122	-700	680	683	3	1	995	.	107	683	.	
14	S2	1	-954	933	932	-1	1	992	.	136	932	.	
15	S3	1	-1311	1288	1288	.	1	997	.	164	1288	.	
16	S1	137	-730	712	711	-1	1	996	.	106	711	.	
17	S1	142	-744	726	725	-1	1	976	.	106	725	.	
18	S1	187	-799	780	781	1	1	922	.	108	781	.	
19	S1	202	-822	803	806	3	1	995	.	106	806	.	
20	S1	203	-827	808	806	-2	1	995	.	106	806	.	
21	S1	204	-847	828	827	-1	1	994	.	122	827	.	
22	S2	27	-898	878	879	1	1	991	.	107	879	.	
23	S2	37	-922	902	904	2	1	998	.	107	904	.	
24	S2	47	-937	917	918	1	1	994	.	107	918	.	
25	S2	57	-955	935	936	1	1	997	.	107	936	.	
26	S2	150	-1118	1097	1095	-2	1	985	.	142	1095	.	

Quantitation Report File: STDR100

Data: STDR103.TI
10/26/87 13:10:00
Sample: 20 PPM PYRIDINE C5 10/26/87MLB
Conds.: SK
Formula: 20 PPM PYRIDINE Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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-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	696	8:42	1	1.000	A BB	31164.	40.000	UG/ML	6.46
2	84	330	4:07	1	0.474	A BB	24629.	17.518	UG/ML	2.83
3	79	332	4:09	1	0.477	A BB	24317.	17.645	UG/ML	2.85
4	93	419	5:14	1	0.602	A BB	28252.	20.491	UG/ML	3.31
5	93	482	6:01	1	0.693	A BB	23835.	17.579	UG/ML	2.84
6	107	511	6:23	1	0.734	A BB	29344.	19.495	UG/ML	3.15
7	106	541	6:46	1	0.777	A BB	34185.	19.598	UG/ML	3.17
8	107	577	7:13	1	0.829	A BB	24386.	18.774	UG/ML	3.03
9	107	597	7:28	1	0.858	A BB	26951.	19.593	UG/ML	3.17
10	107	618	7:43	1	0.888	A BV	18005.	19.065	UG/ML	3.08
11	107	626	7:49	1	0.899	A VB	19820.	17.860	UG/ML	2.89
12	107	645	8:04	1	0.927	A BB	21961.	18.282	UG/ML	2.95
13	107	683	8:32	1	0.981	A BB	20394.	16.849	UG/ML	2.72
14	136	932	11:39	14	1.000	A BB	114972.	40.000	UG/ML	6.46
15	164	1288	16:06	15	1.000	A BB	61902.	40.000	UG/ML	6.46
16	106	711	8:53	1	1.022	A BB	32041.	20.534	UG/ML	3.32
17	106	725	9:04	1	1.042	A BB	21940.	19.769	UG/ML	3.19

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	781	9:46	1	1.122	A BB	22513.	18.792	UG/ML	3.04
19	106	806	10:04	1	1.158	A BB	22090.	77.387	UG/ML	12.50
20	106	806	10:04	1	1.158	A BB	22090.	23.559	UG/ML	3.81
21	122	827	10:20	1	1.188	A BB	18382.	18.752	UG/ML	3.03
22	107	879	10:59	14	0.943	A BB	19328.	20.983	UG/ML	3.39
23	107	904	11:18	14	0.970	A BB	17777.	19.247	UG/ML	3.11
24	107	918	11:28	14	0.985	A BB	17712.	18.050	UG/ML	2.92
25	107	936	11:42	1	1.345	A BB	22185.	17.736	UG/ML	2.87
26	142	1095	13:41	14	1.175	A BB	43736.	21.353	UG/ML	3.45

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:57	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:09	0.99	0.464	1.02	17.52	50.00	0.632	1.805	0.35
3	4:10	0.99	0.466	1.02	17.65	50.00	0.624	1.769	0.35
4	5:22	0.98	0.599	1.00	20.49	50.00	0.725	1.770	0.41
5	6:10	0.98	0.690	1.00	17.58	50.00	0.612	1.740	0.35
6	6:34	0.97	0.733	1.00	19.50	50.00	0.753	1.932	0.39
7	6:58	0.97	0.778	1.00	19.60	50.00	0.878	2.239	0.39
8	7:25	0.97	0.828	1.00	18.77	50.00	0.626	1.667	0.38
9	7:40	0.97	0.858	1.00	19.59	50.00	0.692	1.766	0.39
10	7:56	0.97	0.887	1.00	19.06	50.00	0.462	1.212	0.38
11	8:02	0.97	0.898	1.00	17.86	50.00	0.509	1.424	0.36
12	8:16	0.97	0.925	1.00	18.28	50.00	0.564	1.542	0.37
13	8:45	0.98	0.978	1.00	16.85	50.00	0.524	1.554	0.34
14	11:56	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	16:24	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	9:07	0.97	1.020	1.00	20.53	50.00	0.823	2.003	0.41
17	9:18	0.97	1.039	1.00	19.77	50.00	0.563	1.424	0.40
18	9:59	0.98	1.116	1.01	18.79	50.00	0.578	1.538	0.38
19	10:16	0.98	1.148	1.01	77.39	50.00	0.567	0.366	1.55
20	10:20	0.97	1.155	1.00	23.56	50.00	0.567	1.204	0.47
21	10:35	0.98	1.183	1.00	18.75	50.00	0.472	1.258	0.38
22	11:13	0.98	0.940	1.00	20.98	50.00	0.134	0.320	0.42
23	11:31	0.98	0.965	1.00	19.25	50.00	0.124	0.321	0.38
24	11:43	0.98	0.981	1.00	18.05	50.00	0.123	0.341	0.36
25	11:56	0.98	1.334	1.01	17.74	50.00	0.570	1.606	0.35
26	13:58	0.98	1.171	1.00	21.35	50.00	0.304	0.713	0.43

TGA FINISHED: 28 FOUND
FINISHED AT: 6/06/06 6:43:37

02047

RMAL QUANTITATION SUMMARY FILE: STDR103
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	696	1	31164.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	932	2	114972.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1288	3	61902.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	330	1	24629.	0.632	17.518
5	S1# 20	PYRIDINE	79	332	1	24317.	0.624	17.645
6	S1# 30	2-PICOLINE	93	419	1	28252.	0.725	20.491
7	S1# 62	3 & 4-PICOLINE	93	482	1	23835.	0.612	17.579
8	S1# 64	2,6-LUTIDINE	107	511	1	29344.	0.753	19.495
9	S1# 73	2-ETHYL PYRIDINE	106	541	1	34185.	0.878	19.598
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	24386.	0.626	18.774
11	S1# 87	2,3-LUTIDINE	107	597	1	26951.	0.692	19.593
12	S1# 88	3-ETHYL PYRIDINE	107	618	1	18005.	0.462	19.065
13	S1# 89	4-ETHYL PYRIDINE	107	626	1	19820.	0.509	17.860
14	S1# 92	3,5-LUTIDINE	107	645	1	21961.	0.564	18.282
15	S1#122	3,4-LUTIDINE	107	683	1	20394.	0.524	16.849
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	711	1	32041.	0.823	20.534
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	725	1	21940.	0.563	19.769
18	S1#187	M AND P CRESOLS	108	781	1	22513.	0.578	18.792
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	806	1	22090.	0.567	77.387
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	806	1	22090.	0.567	23.559
21	S1#204	2,6-DIMETHYL PHENOL	122	827	1	18382.	0.472	18.752
22	S2# 27	2,5-DIMETHYL PHENOL	107	879	2	19328.	0.134	20.983
23	S2# 37	3,5-DIMETHYL PHENOL	107	904	2	17777.	0.124	19.247
24	S2# 47	2,3-DIMETHYL PHENOL	107	918	2	17712.	0.123	18.050
25	S2# 57	3,4-DIMETHYL PHENOL	107	936	1	22185.	0.570	17.736
26	S2#150	1-METHYLNAPHTHALENE	142	1095	2	43736.	0.304	21.353

OK

Quantitation Report File: STDR103

Data: STDR103.TI
10/26/87 13:10:00
Sample: 20 PPM PYRIDINE C5 10/26/87MLB
Conds.: SK
Formula: 20 PPM PYRIDINE Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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	2,6-DIMETHYL PHENOL	122	S1#204	
20	2,5-DIMETHYL PHENOL	107	S2# 27	
21	3,5-DIMETHYL PHENOL	107	S2# 37	
22	2,3-DIMETHYL PHENOL	107	S2# 47	
23	3,4-DIMETHYL PHENOL	107	S2# 57	
24	1-METHYLNAPHTHALENE	142	S2#150	90-12-0
25	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
26	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	696	8:42	1	1.000	A BB	31164.	40.000	UG/ML	6.04
2	136	932	11:39	2	1.000	A BB	114972.	40.000	UG/ML	6.04
3	164	1288	16:06	3	1.000	A BB	61902.	40.000	UG/ML	6.04
4	84	330	4:07	1	0.474	A BB	24629.	13.446	UG/ML	2.03
5	79	332	4:09	1	0.477	A BB	24317.	16.026	UG/ML	2.42
6	93	419	5:14	1	0.602	A BB	28252.	17.915	UG/ML	2.70
7	93	482	6:01	1	0.693	A BB	23835.	17.634	UG/ML	2.66
8	107	511	6:23	1	0.734	A BB	29344.	18.397	UG/ML	2.78
9	106	541	6:46	1	0.777	A BB	34185.	19.144	UG/ML	2.89
10	107	577	7:13	1	0.829	A BB	24386.	18.020	UG/ML	2.72
11	107	597	7:28	1	0.858	A BB	26951.	19.408	UG/ML	2.93
12	107	618	7:43	1	0.888	A BV	18005.	17.892	UG/ML	2.70
13	107	626	7:49	1	0.899	A VB	19820.	20.512	UG/ML	3.10
14	107	645	8:04	1	0.927	A BB	21961.	18.738	UG/ML	2.83
15	107	683	8:32	1	0.981	A BB	20394.	21.290	UG/ML	3.21
16	106	711	8:53	1	1.022	A BB	32041.	21.616	UG/ML	3.26
17	106	725	9:04	1	1.042	A BB	21940.	18.767	UG/ML	2.83

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	781	9:46	1	1.122	A BB	22513.	20.486	UG/ML	3.09
19	122	827	10:20	1	1.188	A BB	18382.	21.132	UG/ML	3.19
20	107	879	10:59	2	0.943	A BB	19328.	20.667	UG/ML	3.12
21	107	904	11:18	2	0.970	A BB	17777.	20.930	UG/ML	3.16
22	107	918	11:28	2	0.985	A BB	17712.	20.904	UG/ML	3.16
23	107	936	11:42	1	1.345	A BB	22185.	20.092	UG/ML	3.03
24	142	1095	13:41	2	1.175	A BB	43736.	21.183	UG/ML	3.20
25	106	806	10:04	1	1.158	M XX	23094.	115.178	UG/ML	17.39
26	106	806	10:04	1	1.158	M XX	23374.	23.095	UG/ML	3.49

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:09	0.99	0.477	0.99	13.45	50.00	0.632	2.351	0.27
5	4:10	0.99	0.480	0.99	16.03	50.00	0.624	1.948	0.32
6	5:15	1.00	0.603	1.00	17.92	50.00	0.725	2.024	0.36
7	6:01	1.00	0.693	1.00	17.63	50.00	0.612	1.735	0.35
8	6:23	1.00	0.734	1.00	18.40	50.00	0.753	2.047	0.37
9	6:46	1.00	0.777	1.00	19.14	50.00	0.878	2.292	0.38
10	7:13	1.00	0.829	1.00	18.02	50.00	0.626	1.737	0.36
11	7:28	1.00	0.858	1.00	19.41	50.00	0.692	1.782	0.39
12	7:43	1.00	0.888	1.00	17.89	50.00	0.462	1.292	0.36
13	7:49	1.00	0.898	1.00	20.51	50.00	0.509	1.240	0.41
14	8:03	1.00	0.925	1.00	18.74	50.00	0.564	1.504	0.37
15	8:31	1.00	0.980	1.00	21.29	50.00	0.524	1.229	0.43
16	8:55	1.00	1.024	1.00	21.62	50.00	0.823	1.903	0.43
17	9:03	1.00	1.040	1.00	18.77	50.00	0.563	1.501	0.38
18	9:47	1.00	1.125	1.00	20.49	50.00	0.578	1.411	0.41
19	10:21	1.00	1.190	1.00	21.13	50.00	0.472	1.116	0.42
20	11:01	1.00	0.944	1.00	20.67	50.00	0.134	0.325	0.41
21	11:19	1.00	0.971	1.00	20.93	50.00	0.124	0.296	0.42
22	11:29	1.00	0.985	1.00	20.90	50.00	0.123	0.295	0.42
23	11:43	1.00	1.348	1.00	20.09	50.00	0.570	1.417	0.40
24	13:42	1.00	1.175	1.00	21.18	50.00	0.304	0.718	0.42
25	10:02	1.00	1.154	1.00	115.18	50.00	0.593	0.257	2.30
26	10:05	1.00	1.159	1.00	23.10	50.00	0.600	1.299	0.46

10/26/87 13:56:25 SCAN 1 OF 2900
Acquisition started

Acquire Run 0:STDR104 ACQUIRING
10/26/87 13:56:00 + 0:04 Free sectors: 4135 Scan: 5 of 2900
Sample: 50 PPM PYRIDINE CS (10-26-87MLB)
Conds.: SK
Formula: 50 PPM Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:SK Current GC oven tmp: 31 DegC Injector : 250 DegC
Current GC Desc:SK GC elapsed time : 0: 3 min Int.oven : 250 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			

********** 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 Wicth: 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

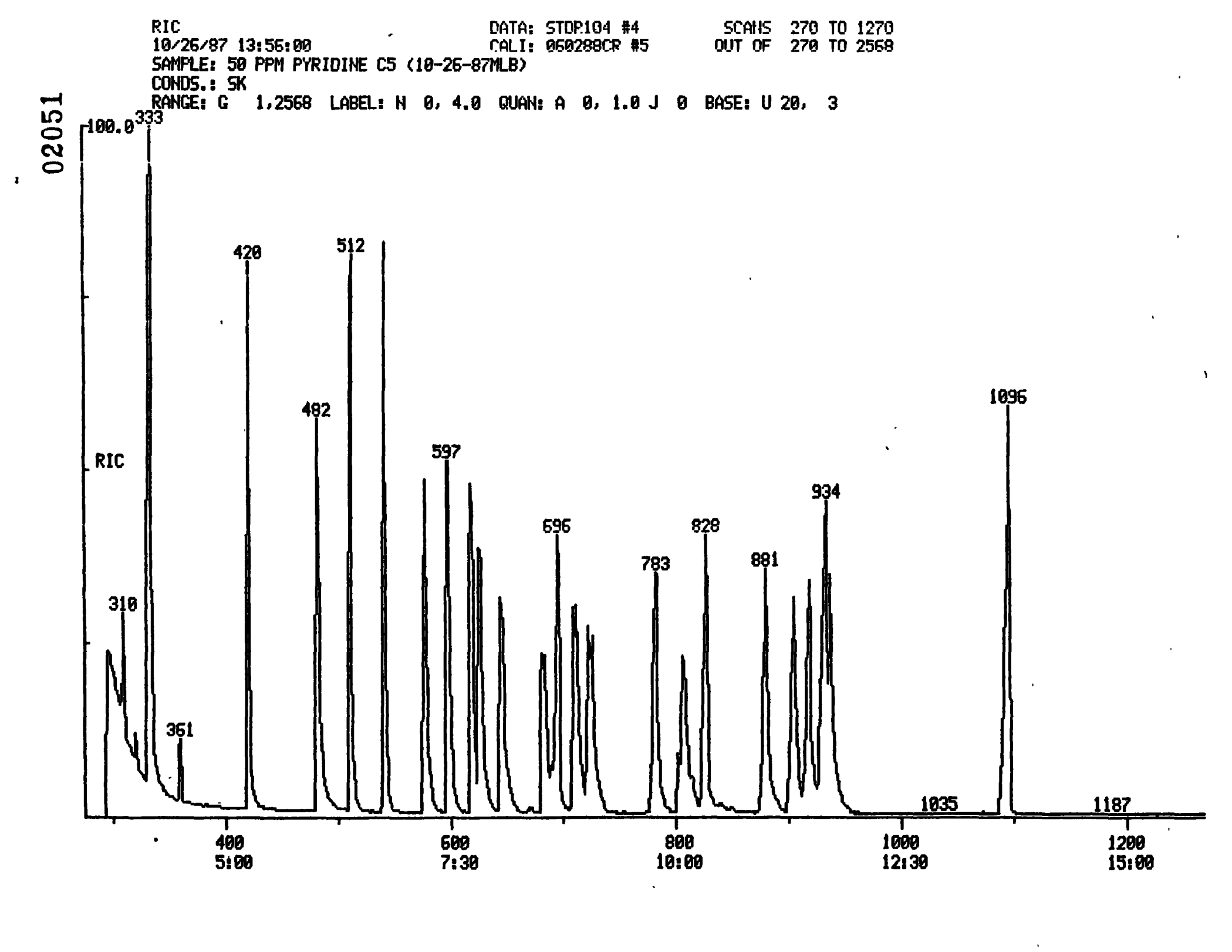
***** Mode: Centroid positive ion

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	

10/26/87 14:28:31 SCAN 2568
Acquisition stopped

10/26/87 14:28:33
ACQUISITION COMPLETED
SCANS 1 TO 2568 Centroid

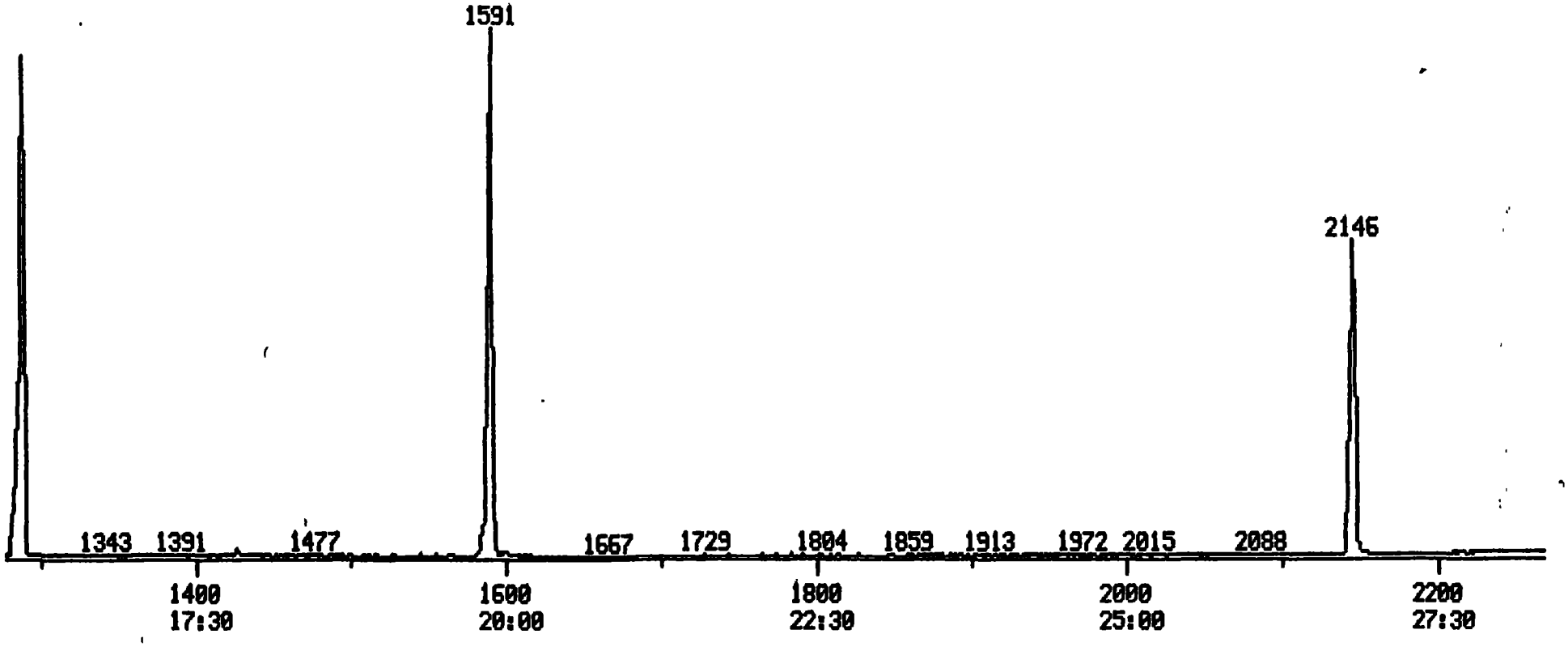
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2568	240.1	1926.0	12.5	35718.	14. 19.


RIC
10/26/87 13:56:00
DATA: STDP104 #4
CALI: 060288CR #5
SCANS 270 TO 1270
OUT OF 270 TO 2568
SAMPLE: 50 PPM PYRIDINE C5 (10-26-87MLB)
CONDS.: SK
RANGE: G 1,2568 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
02051
100.0
333
420
512
482
597
696
783
828
881
934
1096
1035
1187
310
361
RIC
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

RIC DATA: STDR104 #4 SCANS 1270 TO 2270
10/26/87 13:56:00 CALI: 060288CR #5 OUT OF 270 TO 2568
SAMPLE: 50 PPM PYRIDINE C5 (10-26-87MLB)
CONDS.: SK
RANGE: G 1,2568 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

02052

100.0

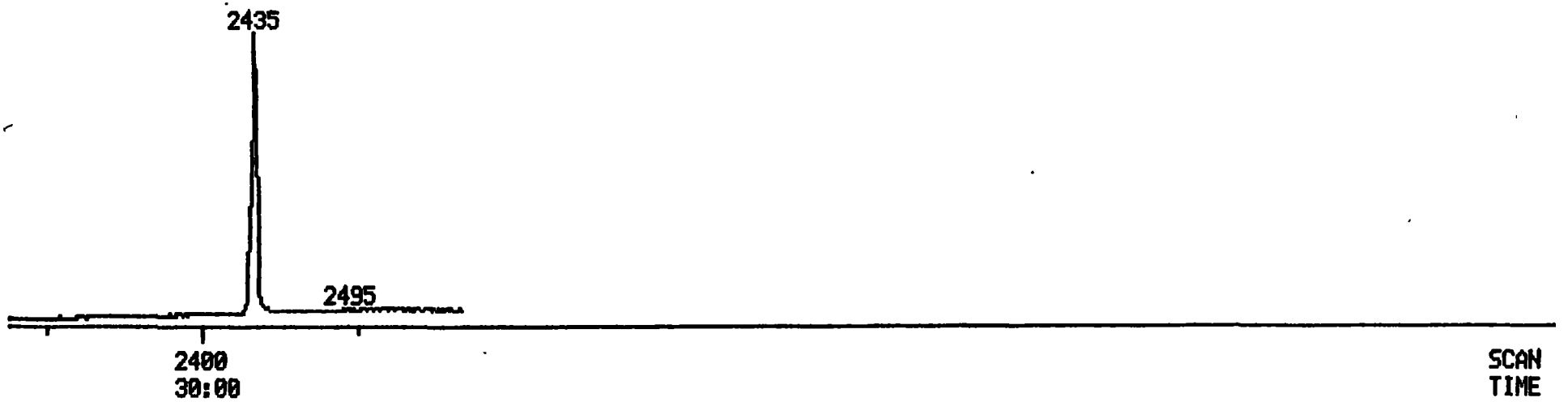


02053

RIC
10/26/87 13:56:00
DATA: STDR104 #4
CALI: 060288CR #5
SCANS 2270 TO 2568
OUT OF 270 TO 2568
SAMPLE: 50 PPM PYRIDINE C5 (10-26-87MLB)
CONDS.: SK
RANGE: G 1,2568 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0

121344.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/08/88 17:0E
DATA FILE: STDR104
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	13	13	8	76	ISO1/TCO1
3	3	1	49	14	14	16	53	ISO2/TCO2

26 COMPOUNDS PROCESSED, 26 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	PRED	SEL	DELTA	PEAKS	FIT	SAT PEAKS	CHRO M/Z	TOP	DELTA	PE
1	S1	1	-695	696	696	.	1	955	.	132	696	.	
2	S1	4	-330	332	333	1	1	988	.	84	332	-1	
3	S1	20	-332	334	334	.	1	988	.	79	334	.	
4	S1	30	-419	420	420	.	1	991	.	93	420	.	
5	S1	62	-482	483	482	-1	1	996	.	93	482	.	
6	S1	64	-511	512	512	.	1	996	.	107	511	-1	
7	S1	73	-541	541	541	.	1	998	.	106	541	.	
8	S1	83	-577	577	577	.	1	997	.	107	577	.	
9	S1	87	-597	597	597	.	1	997	.	107	597	.	
10	S1	88	-618	618	618	.	2	996	.	107	618	.	
11	S1	89	-626	626	625	-1	2	995	.	107	625	.	
12	S1	92	-645	645	644	-1	1	996	.	107	644	.	
13	S1	122	-683	682	682	.	2	995	.	107	682	.	
14	S2	1	-931	933	933	.	1	990	.	136	933	.	
15	S3	1	-1287	1289	1289	.	1	1000	.	164	1289	.	
16	S1	137	-711	713	713	.	2	1000	.	106	713	.	
17	S1	142	-725	727	727	.	2	978	.	106	.	.	
18	S1	187	-781	783	783	.	1	920	.	108	783	.	
19	S1	203	-806	808	807	-1	2	995	.	106	807	.	
20	S1	202	-806	808	807	-1	2	995	.	106	807	.	
21	S1	204	-827	829	828	-1	1	997	.	122	828	.	
22	S2	27	-879	881	881	.	1	994	.	107	881	.	
23	S2	37	-904	906	906	.	1	993	.	107	906	.	
24	S2	47	-918	920	919	-1	1	997	.	107	919	.	
25	S2	57	-936	938	938	.	1	997	.	107	938	.	
26	S2	150	-1095	1097	1096	-1	1	984	.	142	1096	.	

Quantitation Report File: STDR104

Data: STDR104.TI
10/26/87 13:56:00
Sample: 50 PPM PYRIDINE C5 (10-26-87MLB)
Conds.: SK
Formula: 50 PPM Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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	696	8:42	1	1.000	A BB	29388.	40.000	UG/ML	1.34
2	84	332	4:09	1	0.477	A BB	86367.	185.932	UG/ML	6.23
3	79	334	4:10	1	0.480	A BB	71545.	153.999	UG/ML	5.23
4	93	420	5:15	1	0.603	A BB	74357.	139.547	UG/ML	4.68
5	93	482	6:01	1	0.693	A BB	63732.	141.775	UG/ML	4.75
6	107	511	6:23	1	0.734	A BB	75209.	135.895	UG/ML	4.56
7	106	541	6:46	1	0.777	A BB	84196.	130.589	UG/ML	4.38
8	107	577	7:13	1	0.829	A BB	63809.	138.735	UG/ML	4.65
9	107	597	7:28	1	0.858	A BB	65476.	128.812	UG/ML	4.32
10	107	618	7:43	1	0.888	A BV	47446.	139.728	UG/ML	4.68
11	107	625	7:49	1	0.898	A VB	45562.	121.883	UG/ML	4.09
12	107	644	8:03	1	0.925	A BB	55262.	133.420	UG/ML	4.47
13	107	682	8:31	1	0.980	A BV	45165.	117.423	UG/ML	3.94
14	136	933	11:40	14	1.000	A BB	108340.	40.000	UG/ML	1.34
15	164	1289	16:07	15	1.000	A BB	57124.	40.000	UG/ML	1.34
16	106	713	8:55	1	1.024	A BV	69891.	115.656	UG/ML	3.88
17	NOT FOUND									

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	783	9:47	1	1.125	A BB	51816.	122.035	UG/ML	4.09
19	106	807	10:05	1	1.159	A BB	51433.	116.671	UG/ML	3.91
20	106	807	10:05	1	1.159	A BB	51433.	118.085	UG/ML	3.96
21	122	828	10:21	1	1.190	A BB	41014.	118.302	UG/ML	3.97
22	107	881	11:01	14	0.944	A BB	44065.	120.968	UG/ML	4.06
23	107	906	11:19	14	0.971	A BB	40018.	119.445	UG/ML	4.00
24	107	919	11:29	14	0.985	A VB	39922.	119.596	UG/ML	4.01
25	107	938	11:43	1	1.348	A BB	52064.	124.430	UG/ML	4.17
26	142	1096	13:42	14	1.175	A BB	97278.	118.017	UG/ML	3.96

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:07	1.01	0.474	1.01	185.93	50.00	2.351	0.632	3.72
3	4:09	1.01	0.477	1.01	156.00	50.00	1.948	0.624	3.12
4	5:14	1.00	0.602	1.00	139.55	50.00	2.024	0.725	2.79
5	6:01	1.00	0.693	1.00	141.77	50.00	1.735	0.612	2.84
6	6:23	1.00	0.734	1.00	135.90	50.00	2.047	0.753	2.72
7	6:46	1.00	0.777	1.00	130.59	50.00	2.292	0.878	2.61
8	7:13	1.00	0.829	1.00	138.74	50.00	1.737	0.626	2.77
9	7:28	1.00	0.858	1.00	128.81	50.00	1.782	0.692	2.58
10	7:43	1.00	0.888	1.00	139.73	50.00	1.292	0.462	2.79
11	7:49	1.00	0.899	1.00	121.88	50.00	1.240	0.509	2.44
12	8:04	1.00	0.927	1.00	133.42	50.00	1.504	0.564	2.67
13	8:32	1.00	0.981	1.00	117.42	50.00	1.229	0.524	2.35
14	11:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	16:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:53	1.00	1.022	1.00	115.66	50.00	1.903	0.823	2.31
17	9:04		1.042						
18	9:46	1.00	1.122	1.00	122.04	50.00	1.411	0.578	2.44
19	10:04	1.00	1.158	1.00	116.67	50.00	1.400	0.600	2.33
20	10:04	1.00	1.158	1.00	118.09	50.00	1.400	0.593	2.36
21	10:20	1.00	1.188	1.00	118.30	50.00	1.116	0.472	2.37
22	10:59	1.00	0.943	1.00	120.97	50.00	0.325	0.134	2.42
23	11:18	1.00	0.970	1.00	119.44	50.00	0.296	0.124	2.39
24	11:28	1.00	0.985	1.00	119.60	50.00	0.295	0.123	2.39
25	11:42	1.00	1.345	1.00	124.43	50.00	1.417	0.570	2.49
26	13:41	1.00	1.175	1.00	118.02	50.00	0.718	0.304	2.36

[illegible]
FINISHED AT: 6/08/88 17:11:37

FINAL QUANTITATION SUMMARY FILE: STDR104
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	696	1	29388.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	933	2	108340.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	57124.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	332	1	86367.	2.351	185.932
5	S1# 20	PYRIDINE	79	334	1	71545.	1.948	155.999
6	S1# 30	2-PICOLINE	93	420	1	74357.	2.024	139.547
7	S1# 62	3 & 4-PICOLINE	93	482	1	63732.	1.735	141.775
8	S1# 64	2,6-LUTIDINE	107	511	1	75209.	2.047	135.895
9	S1# 73	2-ETHYL PYRIDINE	106	541	1	84196.	2.292	130.589
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	63809.	1.737	138.735
11	S1# 87	2,3-LUTIDINE	107	597	1	65476.	1.782	128.812
12	S1# 88	3-ETHYL PYRIDINE	107	618	1	47448.	1.292	139.728
13	S1# 89	4-ETHYL PYRIDINE	107	625	1	45562.	1.240	121.883
14	S1# 92	3,5-LUTIDINE	107	644	1	55262.	1.504	133.420
15	S1#122	3,4-LUTIDINE	107	682	1	45165.	1.229	117.423
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	713	1	69891.	1.903	115.656
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106		1	NOT FOUND		
18	S1#187	M AND P CRESOLS	108	783	1	51816.	1.411	122.035
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	807	1	51433.	1.400	118.085
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	807	1	51433.	1.400	116.671
21	S1#204	2,6-DIMETHYL PHENOL	122	828	1	41014.	1.116	118.302
22	S2# 27	2,5-DIMETHYL PHENOL	107	881	2	44065.	0.325	120.968
23	S2# 37	3,5-DIMETHYL PHENOL	107	906	2	40018.	0.296	119.445
24	S2# 47	2,3-DIMETHYL PHENOL	107	919	2	39922.	0.295	119.596
25	S2# 57	3,4-DIMETHYL PHENOL	107	938	1	52064.	1.417	124.430
26	S2#150	1-METHYLNAPHTHALENE	142	1096	2	97278.	0.718	118.017

02058

Quantitation Report File: STDR104

Data: STDR104.TI
10/26/87 13:56:00
Sample: 50 PPM PYRIDINE C5 (10-26-87MLB)
Conds.: SK
Formula: 50 PPM Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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	M AND P CRESOLS	108	S2#187	
17	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
18	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	
19	2,6-DIMETHYL PHENOL	122	S1#204	
20	2,5-DIMETHYL PHENOL	107	S2# 27	
21	3,5-DIMETHYL PHENOL	107	S2# 37	
22	2,3-DIMETHYL PHENOL	107	S2# 47	
23	3,4-DIMETHYL PHENOL	107	S2# 57	
24	1-METHYLNAPHTHALENE	142	S2#150	90-12-0
25	2-METHYL-3-ETHYL PYRIDINE	106	S1#142	
26	2-METHYL-5-ETHYL PYRIDINE	106	S1#137	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	696	8:42	1	1.000	A BB	29388.	40.000 UG/ML	3.15
2	136	933	11:40	2	1.000	A BB	108340.	40.000 UG/ML	3.15
3	164	1289	16:07	3	1.000	A BB	37124.	40.000 UG/ML	3.15
4	84	332	4:09	1	0.477	A BB	86367.	50.000 UG/ML	3.94
5	79	334	4:10	1	0.480	A BB	71545.	50.000 UG/ML	3.94
6	93	420	5:15	1	0.603	A BB	74357.	50.000 UG/ML	3.94
7	93	482	6:01	1	0.693	A BB	63732.	50.000 UG/ML	3.94
8	107	511	6:23	1	0.734	A BB	75209.	50.000 UG/ML	3.94
9	106	541	6:46	1	0.777	A BB	84196.	50.000 UG/ML	3.94
10	107	577	7:13	1	0.829	A BB	63809.	50.000 UG/ML	3.94
11	107	597	7:28	1	0.858	A BB	65476.	50.000 UG/ML	3.94
12	107	618	7:43	1	0.888	A BV	47448.	50.000 UG/ML	3.94
13	107	625	7:49	1	0.898	A VB	45562.	50.000 UG/ML	3.94
14	107	644	8:03	1	0.925	A BB	55262.	50.000 UG/ML	3.94
15	107	682	8:31	1	0.980	A BV	45165.	50.000 UG/ML	3.94
16	108	783	9:47	1	1.125	A BB	51816.	50.000 UG/ML	3.94
17	106	807	10:05	1	1.159	A BB	51433.	50.000 UG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	106	807	10:05	1	1.159	A BB	51433.	50.000	UG/ML	3.94
19	122	828	10:21	1	1.190	A BB	41014.	50.000	UG/ML	3.94
20	107	881	11:01	2	0.944	A BB	44065.	50.000	UG/ML	3.94
21	107	906	11:19	2	0.971	A BB	40016.	50.000	UG/ML	3.94
22	107	919	11:29	2	0.985	A VB	39922.	50.000	UG/ML	3.94
23	107	938	11:43	1	1.348	A BB	52064.	50.000	UG/ML	3.94
24	142	1096	13:42	2	1.175	A BB	97278.	50.000	UG/ML	3.94
25	106	724	9:03	1	1.040	M XX	55326.	50.000	UG/ML	3.94
26	106	713	8:55	1	1.024	M XX	75131.	50.000	UG/ML	3.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:09	1.00	0.477	1.00	50.00	50.00	2.351	2.351	1.00
5	4:10	1.00	0.480	1.00	50.00	50.00	1.948	1.948	1.00
6	5:15	1.00	0.603	1.00	50.00	50.00	2.024	2.024	1.00
7	6:01	1.00	0.693	1.00	50.00	50.00	1.735	1.735	1.00
8	6:23	1.00	0.734	1.00	50.00	50.00	2.047	2.047	1.00
9	6:46	1.00	0.777	1.00	50.00	50.00	2.292	2.292	1.00
10	7:13	1.00	0.829	1.00	50.00	50.00	1.737	1.737	1.00
11	7:28	1.00	0.858	1.00	50.00	50.00	1.782	1.782	1.00
12	7:43	1.00	0.888	1.00	50.00	50.00	1.292	1.292	1.00
13	7:49	1.00	0.898	1.00	50.00	50.00	1.240	1.240	1.00
14	8:03	1.00	0.925	1.00	50.00	50.00	1.504	1.504	1.00
15	8:31	1.00	0.980	1.00	50.00	50.00	1.229	1.229	1.00
16	9:47	1.00	1.125	1.00	50.00	50.00	1.411	1.411	1.00
17	10:05	1.00	1.159	1.00	50.00	50.00	1.400	1.400	1.00
18	10:05	1.00	1.159	1.00	50.00	50.00	1.400	1.400	1.00
19	10:21	1.00	1.190	1.00	50.00	50.00	1.116	1.116	1.00
20	11:01	1.00	0.944	1.00	50.00	50.00	0.325	0.325	1.00
21	11:19	1.00	0.971	1.00	50.00	50.00	0.296	0.296	1.00
22	11:29	1.00	0.985	1.00	50.00	50.00	0.295	0.295	1.00
23	11:43	1.00	1.348	1.00	50.00	50.00	1.417	1.417	1.00
24	13:42	1.00	1.175	1.00	50.00	50.00	0.718	0.718	1.00
25	9:03	1.00	1.040	1.00	50.00	50.00	1.506	1.506	1.00
26	8:55	1.00	1.024	1.00	50.00	50.00	2.045	2.045	1.00

FINAL QUANTITATION SUMMARY - FILE: STDR104
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	696	1	29388.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	933	2	108340.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	57124.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	332	1	86367.	2.351	50.000
5	S1# 20	PYRIDINE	79	334	1	71545.	1.948	50.000
6	S1# 30	2-PICOLINE	93	420	1	74357.	2.024	50.000
7	S1# 62	3 & 4-PICOLINE	93	482	1	63732.	1.735	50.000
8	S1# 64	2,6-LUTIDINE	107	511	1	75209.	2.047	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	541	1	84196.	2.292	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	63809.	1.737	50.000
11	S1# 87	2,3-LUTIDINE	107	597	1	65476.	1.782	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	618	1	47448.	1.292	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	625	1	45562.	1.240	50.000
14	S1# 92	3,5-LUTIDINE	107	644	1	55262.	1.504	50.000
15	S1#122	3,4-LUTIDINE	107	682	1	45165.	1.229	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	713	1	75131.	2.045	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	724	1	55326.	1.506	50.000
18	S1#187	M AND P CRESOLS	108	783	1	51816.	1.411	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	807	1	51433.	1.400	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	807	1	51433.	1.400	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	828	1	41014.	1.116	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	881	2	44065.	0.325	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	906	2	40018.	0.296	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	919	2	39922.	0.295	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	938	1	52064.	1.417	50.000
26	S2#150	1-METHYLNAPHTHALENE	142	1096	2	97278.	0.718	50.000

02061

10/26/87 14:38:02 SCAN 1 OF 2500
Acquisition started

Acquire
10/26/87 14:37:00 + 0:04
Sample: 80 PPM PYRIDINE C5 (10-26-87 MLB)
Conds.: SK
Formula: 80 PPM
Submitted by: RMAL

Run 0:STDR105
Free sectors: 3767
Instrument: 4500
Analyst: JK

ACQUIRING
Scan: 5 of 2500
Weight: 0.000
Acct. No:

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

Loaded GC Desc:SK Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:SK GC elapsed time : 0: 2 min Int.over : 250 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			

********** 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

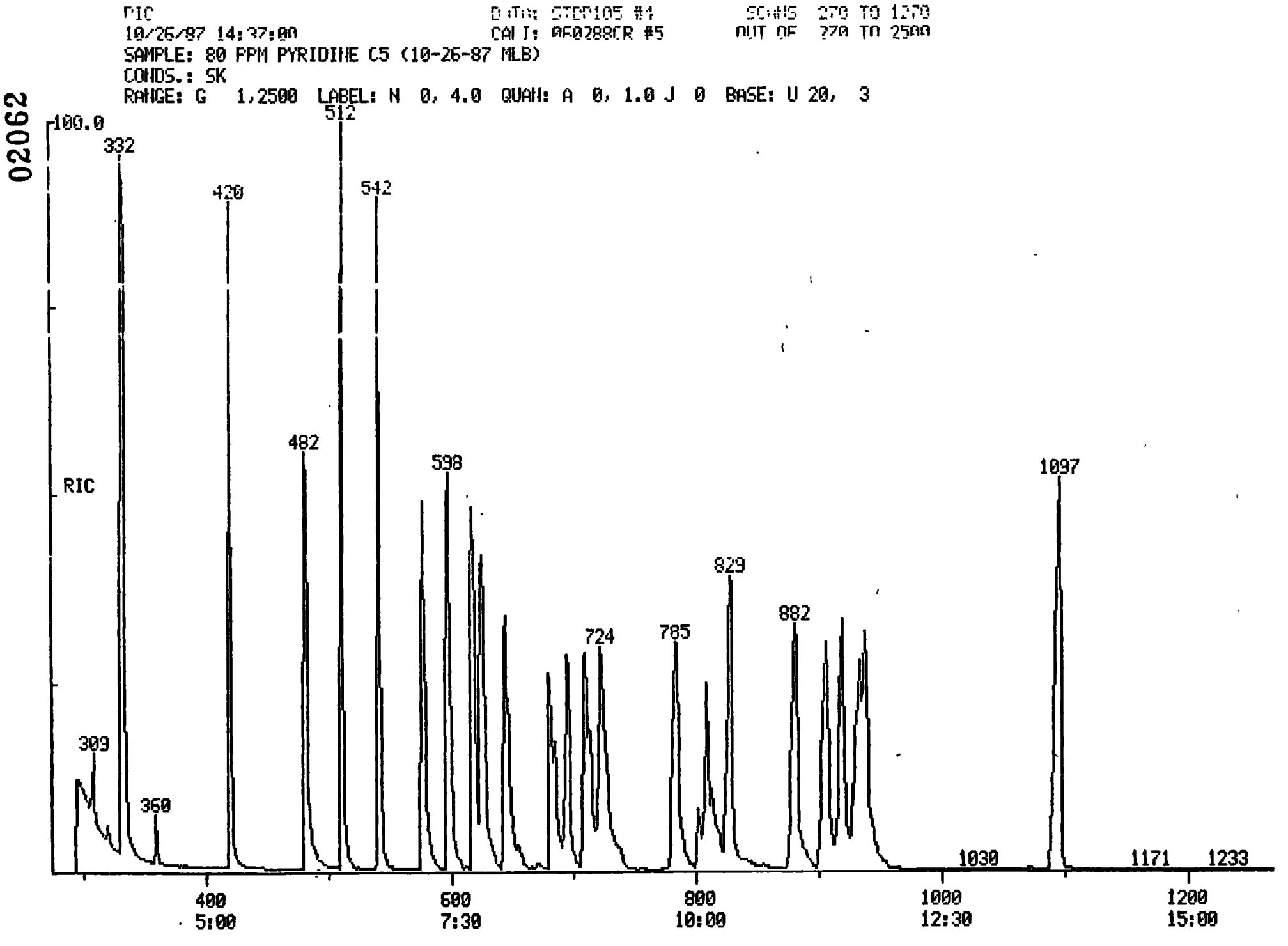
Min Area: 20

***** 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	

10/26/87 15:09:20
ACQUISITION COMPLETED
SCANS 1 TO 2500 Centroid

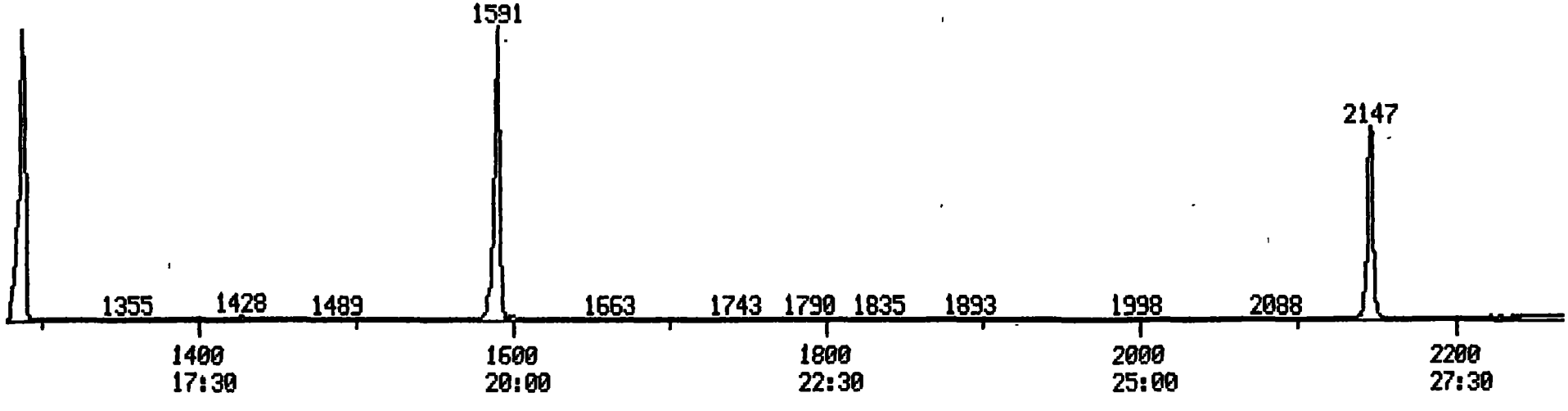
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2500	248.7	1875.0	13.3	37293. 15.	20.


PIC
10/26/87 14:37:00
DATA: STDP105 #4
CALI: 050288CR #5
SCANS 270 TO 1270
OUT OF 270 TO 2500
SAMPLE: 80 PPM PYRIDINE C5 (10-26-87 MLB)
CONDS.: SK
RANGE: G 1,2500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
02062
RIC
100.0
332
512
420
542
482
598
1097
829
882
724
785
309
360
1030
1171
1233
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

02063

PIC DATA: STDP10E #1 SCANS 1270 TO 2270
10/26/87 14:37:00 CAL: 060288CP #5 OUT OF 270 TO 2500
SAMPLE: 80 PPM PYRIDINE C5 (10-26-87 MLB)
CONDS.: SK
RANGE: G 1,2500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0



02064

PIC DATA: STDP1C5 #1 SCANS 2270 TO 2500
10/26/87 14:37:00 CALI: 860288CP #5 OUT OF 270 TO 2500
SAMPLE: 80 PPM PYRIDINE C5 (10-26-87 MLB)
CONDS.: SK
RANGE: G 1,2500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 206848.

PROCEDURE: TCA DIAGNOSTIC REPORT . 6/06/06 6:1
DATA FILE: STDR105
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 RME	LIST NAMES STANDARD/UNKNOWN
1	1	1	0	13	13	16	16E	IEO1/TCO1
3	3	1	16	14	14	12	23C	IEO2/TCO2

26 COMPOUNDS PROCESSED, 26 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	PRED	SEL	DELTA	PEAKS	FIT	SAT PEAKS	CHRO M/Z	TOP	DELTA	FE
1	S1	1	-715	696	696	.	1	962	.	152	696	.	
2	S1	4	-332	330	332	2	1	999	.	84	332	.	
3	S1	20	-334	332	334	2	1	987	.	79	334	.	
4	S1	30	-429	422	420	-2	1	994	.	93	420	.	
5	S1	62	-494	484	482	-2	1	998	.	93	482	.	
6	S1	64	-525	513	512	-1	2	997	.	107	512	.	
7	S1	73	-557	544	542	-2	1	998	.	106	542	.	
8	S1	83	-593	578	577	-1	1	997	.	107	577	.	
9	S1	87	-614	598	598	.	1	997	.	107	598	.	
10	S1	88	-635	618	618	.	2	995	.	107	618	.	
11	S1	89	-643	626	626	.	2	996	.	107	626	.	
12	S1	92	-662	644	645	1	1	996	.	107	645	.	
13	S1	122	-700	680	681	1	2	997	.	107	681	.	
14	S2	1	-954	934	934	.	1	992	.	136	934	.	
15	S3	1	-1311	1289	1289	.	1	995	.	164	1289	.	
16	S1	137	-730	713	711	-2	1	997	.	106	711	.	
17	S1	142	-744	727	724	-3	1	979	.	106	724	.	
18	S1	187	-799	781	785	4	1	921	.	108	785	.	
19	S1	202	-822	804	802	-2	2	1000	.	106	802	.	
20	S1	203	-827	809	810	1	3	1000	.	106	810	.	
21	S1	204	-847	829	829	.	1	997	.	122	829	.	
22	S2	27	-898	880	882	2	1	996	.	107	882	.	
23	S2	37	-922	904	907	3	1	999	.	107	907	.	
24	S2	47	-937	919	920	1	2	999	.	107	920	.	
25	S2	57	-955	937	939	2	1	997	.	107	939	.	
26	S2	150	-1118	1099	1097	-2	1	983	.	142	1097	.	

Data: STDR105.TI
10/26/87 14:37:00
Sample: 80 PPM PYRIDINE C5 (10-26-87 MLB)
Conds.: SK
Formula: 80 PPM Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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-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	696	8:42	1	1.000	A BB	32301.	40.000	UG/ML	2.07
2	84	332	4:09	1	0.477	A BB	109681.	75.266	UG/ML	3.90
3	79	334	4:10	1	0.480	A BB	122977.	86.095	UG/ML	4.46
4	93	420	5:15	1	0.603	A BB	120536.	84.345	UG/ML	4.37
5	93	482	6:01	1	0.693	A BB	105076.	74.767	UG/ML	3.87
6	107	512	6:24	1	0.736	A BB	137566.	88.177	UG/ML	4.57
7	106	542	6:46	1	0.779	A BB	152506.	84.354	UG/ML	4.37
8	107	577	7:13	1	0.829	A BB	116142.	86.263	UG/ML	4.47
9	107	598	7:28	1	0.859	A BB	120764.	84.703	UG/ML	4.39
10	107	618	7:43	1	0.888	A BV	82909.	84.696	UG/ML	4.39
11	107	626	7:49	1	0.899	A VB	94239.	81.929	UG/ML	4.24
12	107	645	8:04	1	0.927	A BB	98815.	79.362	UG/ML	4.11
13	107	681	8:31	1	0.978	A BV	78587.	62.640	UG/ML	3.25
14	136	934	11:40	14	1.000	A BB	119571.	40.000	UG/ML	2.07
15	164	1289	16:07	15	1.000	A BB	64537.	40.000	UG/ML	2.07
16	106	711	8:53	1	1.022	A BV	109334.	67.603	UG/ML	3.50
17	106	724	9:03	1	1.040	A VB	106205.	92.327	UG/ML	4.78

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	785	9:49	1	1.128	A BB	94992.	76.500	UG/ML	3.96
19	106	802	10:01	1	1.152	A BV	16150.	54.584	UG/ML	2.8[illegible]
20	106	810	10:07	1	1.164	A VB	76902.	79.128	UG/ML	4.10
21	122	829	10:22	1	1.191	A BB	75141.	73.956	UG/ML	3.8[illegible]
22	107	882	11:01	14	0.944	A BB	80007.	83.515	UG/ML	4.3[illegible]
23	107	907	11:20	14	0.971	A BV	75436.	78.531	UG/ML	4.07
24	107	920	11:30	14	0.985	A VB	75181.	73.669	UG/ML	3.8[illegible]
25	107	939	11:44	1	1.349	A BB	94501.	72.888	UG/ML	3.7[illegible]
26	142	1097	13:43	14	1.175	A BB	180707.	84.831	UG/ML	4.40

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:57	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:09	1.00	0.464	1.03	75.27	50.00	2.716	1.805	1.51
3	4:10	1.00	0.466	1.03	86.09	50.00	3.046	1.769	1.7[illegible]
4	5:22	0.98	0.599	1.01	84.34	50.00	2.985	1.770	1.6[illegible]
5	6:10	0.98	0.690	1.00	74.77	50.00	2.602	1.740	1.50
6	6:34	0.98	0.733	1.00	88.18	50.00	3.407	1.932	1.76
7	6:58	0.97	0.778	1.00	84.35	50.00	3.777	2.239	1.69
8	7:25	0.97	0.828	1.00	86.26	50.00	2.876	1.667	1.7[illegible]
9	7:40	0.97	0.858	1.00	84.70	50.00	2.991	1.766	1.69
10	7:56	0.97	0.887	1.00	84.70	50.00	2.053	1.212	1.69
11	8:02	0.97	0.898	1.00	81.93	50.00	2.334	1.424	1.64
12	8:16	0.97	0.925	1.00	79.36	50.00	2.447	1.542	1.59
13	8:45	0.97	0.978	1.00	62.64	50.00	1.946	1.554	1.25
14	11:56	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	16:24	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	9:07	0.97	1.020	1.00	67.60	50.00	2.708	2.003	1.35
17	9:18	0.97	1.039	1.00	92.33	50.00	2.630	1.424	1.65
18	9:59	0.98	1.116	1.01	76.50	50.00	2.353	1.538	1.53
19	10:16	0.98	1.148	1.00	54.58	50.00	0.400	0.366	1.09
20	10:20	0.98	1.155	1.01	79.13	50.00	1.905	1.204	1.58
21	10:35	0.98	1.183	1.01	73.96	50.00	1.861	1.258	1.48
22	11:13	0.98	0.940	1.00	83.52	50.00	0.535	0.320	1.6[illegible]
23	11:31	0.98	0.965	1.01	78.53	50.00	0.505	0.321	1.5[illegible]
24	11:43	0.98	0.981	1.00	73.67	50.00	0.503	0.341	1.47
25	11:56	0.98	1.334	1.01	72.89	50.00	2.340	1.606	1.46
26	13:58	0.98	1.171	1.00	84.83	50.00	1.209	0.713	1.70

FINISHED AT: 6/06/06 6:14:16

02069

FINAL QUANTITATION SUMMARY FILE: STDR103
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	FRF	UNITS: UG/L AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	696	1	32301.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	934	2	119571.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	64537.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	332	1	109681.	2.716	75.268
5	S1# 20	PYRIDINE	79	334	1	122977.	3.046	86.095
6	S1# 30	2-PICOLINE	93	420	1	120536.	2.985	84.345
7	S1# 62	3 & 4-PICOLINE	93	482	1	105076.	2.602	74.767
8	S1# 64	2,6-LUTIDINE	107	512	1	137566.	3.407	88.177
9	S1# 73	2-ETHYL PYRIDINE	106	542	1	152508.	3.777	84.354
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	116142.	2.876	86.263
11	S1# 87	2,3-LUTIDINE	107	598	1	120764.	2.991	84.703
12	S1# 88	3-ETHYL PYRIDINE	107	618	1	82909.	2.053	84.698
13	S1# 89	4-ETHYL PYRIDINE	107	626	1	94239.	2.334	81.929
14	S1# 92	3,5-LUTIDINE	107	645	1	98815.	2.447	79.362
15	S1#122	3,4-LUTIDINE	107	681	1	78587.	1.946	62.640
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	711	1	109334.	2.708	67.603
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	724	1	106205.	2.630	92.327
18	S1#187	M AND P CRESOLS	108	785	1	94992.	2.353	76.500
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	802	1	16150.	0.400	54.584
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	810	1	76903.	1.905	79.128
21	S1#204	2,6-DIMETHYL PHENOL	122	829	1	75141.	1.861	73.956
22	S2# 27	2,5-DIMETHYL PHENOL	107	882	2	80007.	0.535	83.515
23	S2# 37	3,5-DIMETHYL PHENOL	107	907	2	75436.	0.505	78.531
24	S2# 47	2,3-DIMETHYL PHENOL	107	920	2	75181.	0.503	73.665
25	S2# 57	3,4-DIMETHYL PHENOL	107	939	1	94501.	2.140	72.688
26	S2#150	1-METHYLNAPHTHALENE	142	1097	2	180707.	1.209	84.831

Data: STDR105.TI
10/26/87 14:37:00
Sample: 80 PPM PYRIDINE C5 (10-26-87 MLB)
Conds.: SK
Formula: 80 PPM Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK Acct. No.:

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

No	Name		
1	C130 1,4-DICHLOROBENZENE-D4	152IS1# 01	3855-82-1
2	C140 NAPHTHALENE-D8	136IS2# 01	1146-65-2
3	C150 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	2,6-DIMETHYL PHENOL	122 S1#204	
20	2,5-DIMETHYL PHENOL	107 S2# 27	
21	3,5-DIMETHYL PHENOL	107 S2# 37	
22	2,3-DIMETHYL PHENOL	107 S2# 47	
23	3,4-DIMETHYL PHENOL	107 S2# 57	
24	1-METHYLNAPHTHALENE	142 S2#150	90-12-0
25	3-ETHYL-4-METHYL PYRIDINE	106 S1#202	
26	3-ETHYL-5-METHYL PYRIDINE	106 S1#203	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	696	8:42	1	1.000	A BB	32301.	40.000	UG/ML	2.01
2	136	934	11:40	2	1.000	A BB	119571.	40.000	UG/ML	2.01
3	164	1289	16:07	3	1.000	A BB	64537.	40.000	UG/ML	2.01
4	84	332	4:09	1	0.477	A BB	109681.	57.771	UG/ML	2.91
5	79	334	4:10	1	0.480	A BB	122977.	78.193	UG/ML	3.93
6	93	420	5:15	1	0.603	A BB	120536.	73.743	UG/ML	3.71
7	93	482	6:01	1	0.693	A BB	105076.	75.001	UG/ML	3.77
8	107	512	6:24	1	0.736	A BB	137566.	83.208	UG/ML	4.19
9	106	542	6:46	1	0.779	A BB	152508.	82.400	UG/ML	4.14
10	107	577	7:13	1	0.829	A BB	116142.	82.800	UG/ML	4.16
11	107	598	7:28	1	0.859	A BB	120764.	83.902	UG/ML	4.22
12	107	618	7:43	1	0.888	A BV	82909.	79.488	UG/ML	4.00
13	107	626	7:49	1	0.899	A VB	94239.	94.092	UG/ML	4.73
14	107	645	8:04	1	0.927	A BB	98815.	81.342	UG/ML	4.09
15	107	681	8:31	1	0.978	A BV	78587.	79.154	UG/ML	3.98
16	106	711	8:53	1	1.022	A BV	109334.	66.200	UG/ML	3.33
17	106	724	9:03	1	1.040	A VB	106205.	87.325	UG/ML	4.39

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	785	9:49	1	1.128	A BB	94992.	83.396	UG/ML	4.19
19	122	829	10:22	1	1.191	A BB	75141.	83.343	UG/ML	4.19
20	107	882	11:01	2	0.944	A BB	80007.	82.256	UG/ML	4.14
21	107	907	11:20	2	0.971	A BV	75436.	85.399	UG/ML	4.30
22	107	920	11:30	2	0.985	A VB	75181.	85.316	UG/ML	4.29
23	107	939	11:44	1	1.349	A BB	94501.	82.570	UG/ML	4.15
24	142	1097	13:43	2	1.175	A BB	180707.	84.158	UG/ML	4.23
25	106	810	10:07	1	1.164	M XX	100068.	88.507	UG/ML	4.45
26	106	810	10:07	1	1.164	M XX	100068.	88.507	UG/ML	4.45

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:09	1.00	0.477	1.00	57.77	50.00	2.716	2.351	1.16
5	4:10	1.00	0.480	1.00	78.19	50.00	3.046	1.948	1.56
6	5:15	1.00	0.603	1.00	73.74	50.00	2.985	2.024	1.47
7	6:01	1.00	0.693	1.00	75.00	50.00	2.602	1.735	1.50
8	6:23	1.00	0.734	1.00	83.21	50.00	3.407	2.047	1.66
9	6:46	1.00	0.777	1.00	82.40	50.00	3.777	2.292	1.65
10	7:13	1.00	0.829	1.00	82.80	50.00	2.876	1.737	1.66
11	7:28	1.00	0.858	1.00	83.90	50.00	2.991	1.782	1.68
12	7:43	1.00	0.888	1.00	79.49	50.00	2.053	1.292	1.59
13	7:49	1.00	0.898	1.00	94.09	50.00	2.334	1.240	1.88
14	8:03	1.00	0.925	1.00	81.34	50.00	2.447	1.504	1.63
15	8:31	1.00	0.980	1.00	79.15	50.00	1.946	1.229	1.58
16	8:55	1.00	1.024	1.00	66.20	50.00	2.708	2.045	1.32
17	9:03	1.00	1.040	1.00	87.33	50.00	2.630	1.506	1.75
18	9:47	1.00	1.125	1.00	83.40	50.00	2.353	1.411	1.67
19	10:21	1.00	1.190	1.00	83.34	50.00	1.861	1.116	1.67
20	11:01	1.00	0.944	1.00	82.26	50.00	0.535	0.325	1.65
21	11:19	1.00	0.971	1.00	85.40	50.00	0.505	0.296	1.71
22	11:29	1.00	0.985	1.00	85.32	50.00	0.503	0.295	1.71
23	11:43	1.00	1.348	1.00	82.57	50.00	2.340	1.417	1.65
24	13:42	1.00	1.175	1.00	84.16	50.00	1.209	0.718	1.68
25	10:05	1.00	1.159	1.00	88.51	50.00	2.478	1.400	1.77
26	10:05	1.00	1.159	1.00	88.51	50.00	2.478	1.400	1.77

FINAL QUANTITATION SUMMARY FILE: STDR105
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	696	1	32301.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	934	2	119571.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	64537.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	332	1	109681.	2.716	57.771
5	S1# 20	PYRIDINE	79	334	1	122977.	3.046	78.193
6	S1# 30	2-PICOLINE	93	420	1	120536.	2.985	73.743
7	S1# 62	3 & 4-PICOLINE	93	482	1	105076.	2.602	75.001
8	S1# 64	2,6-LUTIDINE	107	512	1	137566.	3.407	83.208
9	S1# 73	2-ETHYL PYRIDINE	106	542	1	152508.	3.777	82.400
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	116142.	2.876	82.800
11	S1# 87	2,3-LUTIDINE	107	598	1	120764.	2.991	83.902
12	S1# 88	3-ETHYL PYRIDINE	107	618	1	82909.	2.053	79.489
13	S1# 89	4-ETHYL PYRIDINE	107	626	1	94239.	2.334	94.092
14	S1# 92	3,5-LUTIDINE	107	645	1	98815.	2.447	81.342
15	S1#122	3,4-LUTIDINE	107	681	1	78587.	1.946	79.154
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	711	1	109334.	2.708	66.200
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	724	1	106205.	2.630	87.325
18	S1#187	M AND P CRESOLS	108	785	1	94992.	2.353	83.396
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	810	1	100068.	2.478	88.507
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	810	1	100068.	2.478	88.507
21	S1#204	2,6-DIMETHYL PHENOL	122	829	1	75141.	1.861	83.343
22	S2# 27	2,5-DIMETHYL PHENOL	107	882	2	80007.	0.535	82.256
23	S2# 37	3,5-DIMETHYL PHENOL	107	907	2	75436.	0.505	85.399
24	S2# 47	2,3-DIMETHYL PHENOL	107	920	2	75181.	0.503	85.316
25	S2# 57	3,4-DIMETHYL PHENOL	107	939	1	94501.	2.340	82.570
26	S2#150	1-METHYLNAPHTHALENE	142	1097	2	180707.	1.209	84.158

02073

10/26/87 15:26:34 SCAN 1 OF 2500
Acquisition started

Acquire
10/26/87 15:26:00 + 0:03
Sample: 120 PPM PYRIDINE C5 (10-26-87 MLB)
Conds.: SK
Formula: 120 PPM
Submitted by: RMAL

Run 0:STDR106
Free sectors: 3390
Instrument: 4500
Analyst: JK

ACQUIRING
Scan: 4 of 2500
Weight: 0.000
Acct. No:

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

Loaded GC Desc:SK Current GC oven tmp: 28 DegC Injector : 250 DegC
Current GC Desc:SK GC elapsed time : 0: 3 min Int.oven : 250 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			

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

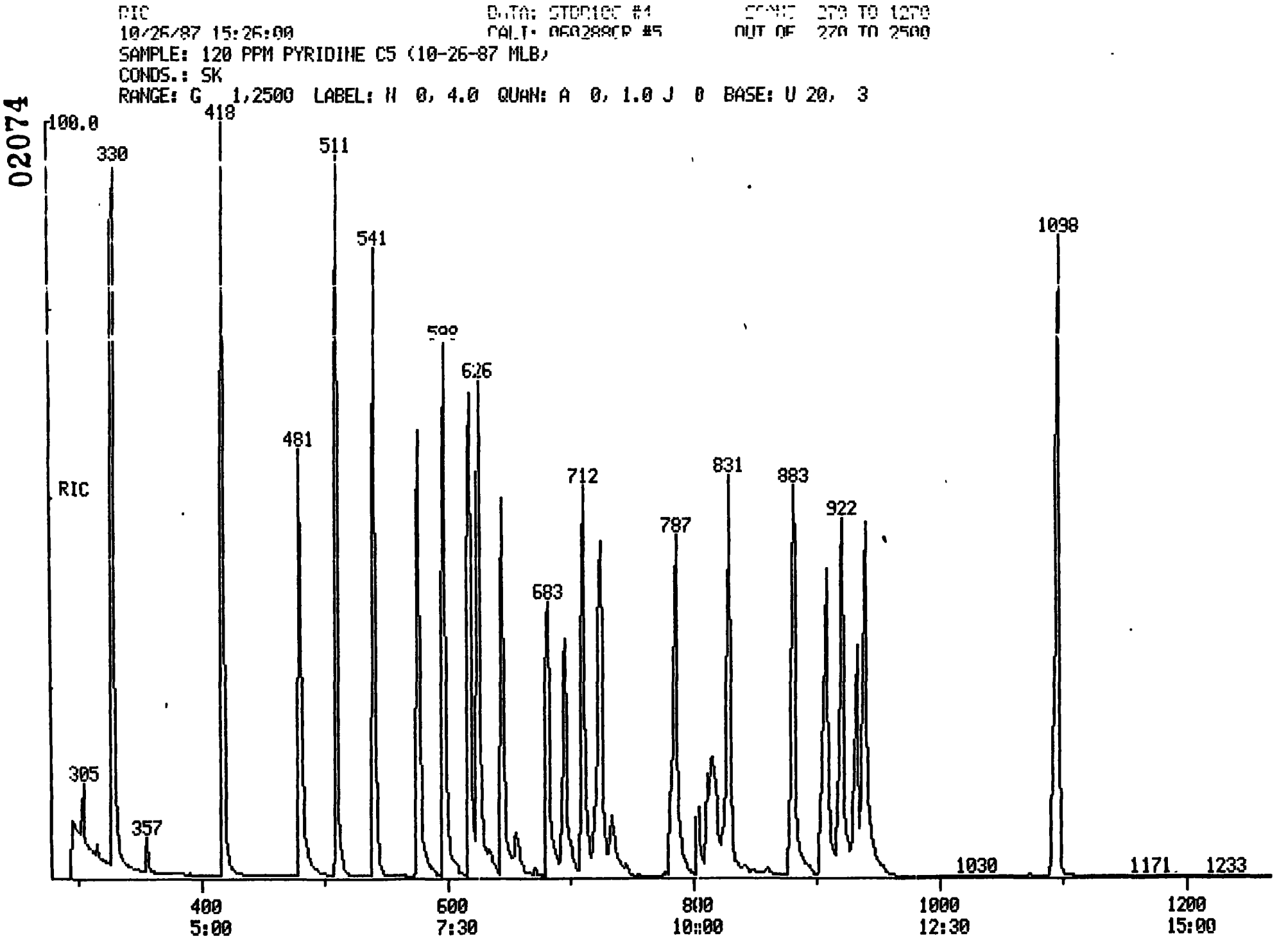
Min Peak Width: 3 Min Frag Width %: 80 Min Area: 20
ADC Threshold: 1 Baseline: 0

***** 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	

10/26/87 15:57:52
ACQUISITION COMPLETED
SCANS 1 TO 2500 Centroid

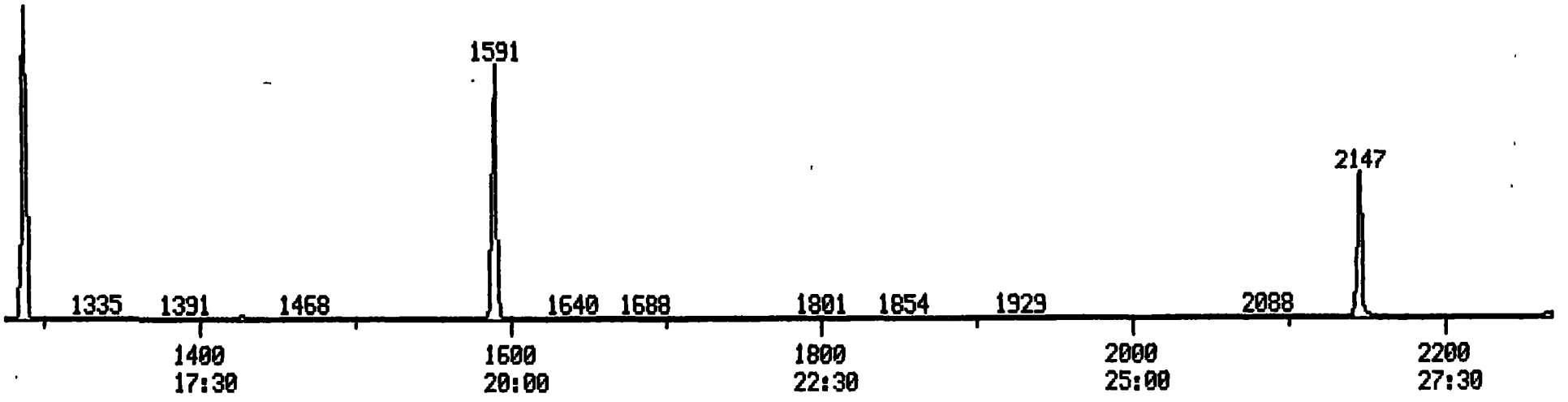
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2500	241.7	1875.0	12.9	37388. 15.	20.


RIC
10/26/87 15:26:00
SAMPLE: 120 PPM PYRIDINE C5 (10-26-87 MLB)
CONDS.: SK
RANGE: G 1,2500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
02074
100.0
330
418
511
541
500
626
481
712
683
787
831
883
922
1098
305
357
1030
1171
1233
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

RIC DATA: STDP100 #1 SCANS 1270 TO 2270
10/26/87 15:26:00 COLI: 060288CP #5 OUT OF 270 TO 2500
SAMPLE: 120 PPM PYRIDINE C5 (10-26-87 MLB)
CONDS.: SK
RANGE: G 1,2500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

02075

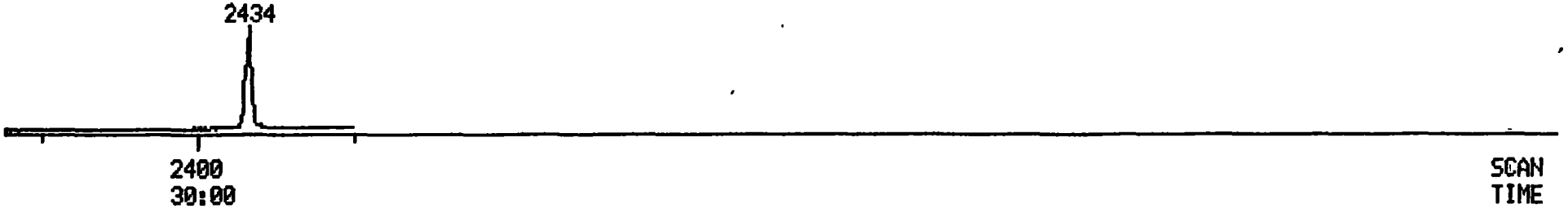
100.0



02076

TIC DATA: CTDP10C #1 SCANS 2270 TO 2500
10/26/87 15:26:00 Col T: 0F0288CP #5 OUT OF 270 TO 2500
SAMPLE: 120 PPM PYRIDINE C5 (10-26-87 MLB)
CONDS.: SK
RANGE: G 1;2500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 236800.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/06/96 6:1
DATA FILE: STDR106
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	12	15[illegible]	ISO1/TCO1
3	3	1	32	14	14	48	27[illegible]	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	F
1	S1	1	-715	697	697	.	1	9[illegible]3	.	152	697	.	
2	S1	4	-332	326	328	2	1	9[illegible]7	.	84	328	.	
3	S1	20	-334	328	330	2	1	989	.	79	330	.	
4	S1	30	-429	420	418	-2	1	996	.	93	418	.	
5	S1	62	-494	482	481	-1	1	995	.	93	481	.	
6	S1	64	-525	512	511	-1	1	9[illegible]5	.	107	511	.	
7	S1	73	-557	543	541	-2	1	9[illegible]8	.	106	541	.	
8	S1	83	-593	578	577	-1	1	9[illegible]5	.	107	577	.	
9	S1	87	-614	598	598	.	1	9[illegible]9	.	107	598	.	
10	S1	88	-635	618	619	1	2	9[illegible]9	.	107	619	.	
11	S1	89	-643	626	626	.	3	9[illegible]7	.	107	626	.	
12	S1	92	-662	645	645	.	2	9[illegible]8	.	107	645	.	
13	S1	122	-700	681	683	2	1	9[illegible]5	.	107	683	.	
14	S2	1	-954	934	934	.	1	9[illegible]2	.	136	934	.	
15	S3	1	-1311	1289	1289	.	1	9[illegible]9	.	164	1289	.	
16	S1	137	-730	715	712	-3	1	9[illegible]9	.	106	712	.	
17	S1	142	-744	729	726	-3	2	9[illegible]9	.	106	726	.	
18	S1	187	-799	783	787	4	1	9[illegible]1	.	108	787	.	
19	S1	202	-822	806	804	-2	2	9[illegible]9	.	106	804	.	
20	S1	203	-827	811	812	1	3	9[illegible]9	.	106	.	.	
21	S1	204	-847	831	831	.	1	9[illegible]7	.	122	831	.	
22	S2	27	-898	881	883	2	2	9[illegible]6	.	107	883	.	
23	S2	37	-922	905	909	4	1	995	.	107	909	.	
24	S2	47	-937	920	922	2	2	9[illegible]6	.	107	922	.	
25	S2	57	-955	938	941	3	1	9[illegible]7	.	107	941	.	
26	S2	150	-1118	1100	1098	-2	1	9E4	.	142	1098	.	

Quantitation Report File: STDR106

Data: STDR106.TI
10/26/87 15:26:00
Sample: 120 PPM PYRIDINE C5 (10-26-87 MLB)
Conds.: SK
Formula: 120 PPM Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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-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	697	8:43	1	1.000	A BV	28553.	40.000	LG/ML	1.60
2	84	328	4:06	1	0.471	A BB	135616.	105.281	LG/ML	4.20
3	79	330	4:07	1	0.473	A BB	149451.	118.364	LG/ML	4.73
4	93	418	5:13	1	0.600	A BB	152024.	120.342	LG/ML	4.81
5	93	481	6:01	1	0.690	A BB	139617.	112.386	LG/ML	4.49
6	107	511	6:23	1	0.733	A BB	164040.	118.948	LG/ML	4.75
7	106	541	6:46	1	0.776	A BB	189361.	118.487	LG/ML	4.73
8	107	577	7:13	1	0.828	A BB	137329.	115.388	LG/ML	4.61
9	107	598	7:28	1	0.858	A BB	150638.	119.525	LG/ML	4.77
10	107	619	7:44	1	0.888	A BV	100914.	116.624	LG/ML	4.66
11	107	626	7:49	1	0.898	A VB	117143.	115.209	LG/ML	4.60
12	107	645	8:04	1	0.925	A BV	108050.	98.171	LG/ML	3.92
13	107	683	8:32	1	0.980	A BV	84880.	76.536	LG/ML	3.06
14	136	934	11:40	14	1.000	A BB	104560.	40.000	LG/ML	1.60
15	164	1289	16:07	15	1.000	A BB	55252.	40.000	LG/ML	1.60
16	106	712	8:54	1	1.022	A BV	132123.	92.418	LG/ML	3.69
17	106	726	9:04	1	1.042	A VV	120851.	118.850	LG/ML	4.75

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	787	9:30	1	1.129	A BB	117085.	106.673	UG/ML	4.26
19	106	804	10:03	1	1.154	A BB	18175.	69.492	UG/ML	2.77
20	NOT	FOUND								
21	122	831	10:23	1	1.192	A BB	93186.	103.755	UG/ML	4.14
22	107	883	11:02	14	0.945	A BB	100803.	120.329	UG/ML	4.80
23	107	909	11:22	14	0.973	A BV	91881.	109.380	UG/ML	4.37
24	107	922	11:31	14	0.987	A VB	94653.	106.063	UG/ML	4.24
25	107	941	11:46	1	1.350	A BB	114832.	100.195	UG/ML	4.00
26	142	1098	13:43	14	1.176	A BB	227201.	121.968	UG/ML	4.87

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:57	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:09	0.99	0.464	1.01	105.28	50.00	3.800	1.805	2.11
3	4:10	0.99	0.466	1.01	118.36	50.00	4.187	1.769	2.37
4	5:22	0.97	0.599	1.00	120.34	50.00	4.259	1.770	2.41
5	6:10	0.97	0.690	1.00	112.39	50.00	3.912	1.740	2.25
6	6:34	0.97	0.733	1.00	118.95	50.00	4.596	1.932	2.38
7	6:58	0.97	0.778	1.00	118.49	50.00	5.306	2.239	2.37
8	7:25	0.97	0.828	1.00	115.39	50.00	3.848	1.667	2.31
9	7:40	0.97	0.858	1.00	119.53	50.00	4.221	1.766	2.39
10	7:56	0.97	0.887	1.00	116.62	50.00	2.827	1.212	2.33
11	8:02	0.97	0.898	1.00	115.21	50.00	3.282	1.424	2.30
12	8:16	0.97	0.925	1.00	98.17	50.00	3.027	1.542	1.96
13	8:45	0.98	0.978	1.00	76.54	50.00	2.378	1.554	1.53
14	11:56	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	16:24	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	9:07	0.98	1.020	1.00	92.42	50.00	3.702	2.003	1.85
17	9:18	0.98	1.039	1.00	118.85	50.00	3.386	1.424	2.38
18	9:59	0.98	1.116	1.01	106.67	50.00	3.281	1.538	2.13
19	10:16	0.98	1.148	1.00	69.49	50.00	0.509	0.366	1.39
20	10:20		1.155						
21	10:35	0.98	1.183	1.01	103.76	50.00	2.611	1.258	2.08
22	11:13	0.98	0.940	1.01	120.33	50.00	0.771	0.320	2.41
23	11:31	0.99	0.965	1.01	109.38	50.00	0.703	0.321	2.19
24	11:43	0.98	0.981	1.01	106.06	50.00	0.724	0.341	2.12
25	11:56	0.99	1.334	1.01	100.19	50.00	3.217	1.606	2.00
26	13:58	0.98	1.171	1.00	121.97	50.00	1.738	0.713	2.44

TOR FINISHED, 26 FOUND
FINISHED AT: 6/06/06 6:18:56

RMAL QUANTITATION SUMMARY FILE: STOR106
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	697	1	28553.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	934	2	104560.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	55252.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	328	1	135616.	3.600	105.281
5	S1# 20	PYRIDINE	79	330	1	149451.	4.187	118.364
6	S1# 30	2-PICOLINE	93	418	1	152024.	4.259	120.342
7	S1# 62	3 & 4-PICOLINE	93	481	1	139617.	3.912	110.386
8	S1# 64	2,6-LUTIDINE	107	511	1	164040.	4.596	118.948
9	S1# 73	2-ETHYL PYRIDINE	106	541	1	189361.	5.306	118.487
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	137329.	3.848	115.388
11	S1# 87	2,3-LUTIDINE	107	598	1	150636.	4.221	119.525
12	S1# 88	3-ETHYL PYRIDINE	107	619	1	100914.	2.827	116.624
13	S1# 89	4-ETHYL PYRIDINE	107	626	1	117143.	3.282	115.209
OK 14	S1# 92	3,5-LUTIDINE	107	645	1	108050.	3.027	98.171
OK 15	S1#122	3,4-LUTIDINE	107	683	1	84880.	2.378	76.536
OK 16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	712	1	132123.	3.702	92.418
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	726	1	120851.	3.386	116.650
18	S1#187	M AND P CRESOLS	108	787	1	117089.	3.281	106.677
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	804	1	18175.	0.509	69.492
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106		1	NOT FOUND		
21	S1#204	2,6-DIMETHYL PHENOL	122	831	1	93186.	2.611	103.758
22	S2# 27	2,5-DIMETHYL PHENOL	107	883	2	100803.	0.771	120.329
23	S2# 37	3,5-DIMETHYL PHENOL	107	909	2	91881.	0.703	109.382
24	S2# 47	2,3-DIMETHYL PHENOL	107	922	2	94653.	0.724	106.065
25	S2# 57	3,4-DIMETHYL PHENOL	107	941	1	114832.	3.217	100.195
26	S2#150	1-METHYLNAPHTHALENE	142	1098	2	227201.	1.738	121.968

Quantitation Report File: STDR106

Data: STDR106.TI
10/26/87 15:26:00
Sample: 120 PPM PYRIDINE C5 (10-26-87 MLB)
Conds.: SK
Formula: 120 PPM Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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	2,6-DIMETHYL PHENOL	122	S1#204	
20	2,5-DIMETHYL PHENOL	107	S2# 27	
21	3,5-DIMETHYL PHENOL	107	S2# 37	
22	2,3-DIMETHYL PHENOL	107	S2# 47	
23	3,4-DIMETHYL PHENOL	107	S2# 57	
24	1-METHYLNAPHTHALENE	142	S2#150	90-12-0
25	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
26	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	697	8:43	1	1.000	A BV	28553.	40.000	UG/ML	1.39
2	136	934	11:40	2	1.000	A BB	104560.	40.000	UG/ML	1.39
3	164	1289	16:07	3	1.000	A BB	55252.	40.000	UG/ML	1.39
4	84	328	4:06	1	0.471	A BB	135616.	80.808	UG/ML	2.80
5	79	330	4:07	1	0.473	A BB	149451.	107.500	UG/ML	3.73
6	93	418	5:13	1	0.600	A BB	152024.	105.216	UG/ML	3.65
7	93	481	6:01	1	0.690	A BB	139617.	112.737	UG/ML	3.91
8	107	511	6:23	1	0.733	A BB	164040.	112.245	UG/ML	3.90
9	106	541	6:46	1	0.776	A BB	189361.	115.742	UG/ML	4.02
10	107	577	7:13	1	0.828	A BB	137329.	110.757	UG/ML	3.84
11	107	598	7:28	1	0.858	A BB	150638.	118.396	UG/ML	4.11
12	107	619	7:44	1	0.888	A BV	100914.	109.451	UG/ML	3.80
13	107	626	7:49	1	0.898	A VB	117143.	132.313	UG/ML	4.59
14	107	645	8:04	1	0.925	A BV	108050.	100.620	UG/ML	3.49
15	107	683	8:32	1	0.980	A BV	84880.	96.714	UG/ML	3.36
16	106	712	8:54	1	1.022	A BV	132123.	97.285	UG/ML	3.38
17	106	726	9:04	1	1.042	A VV	120851.	112.829	UG/ML	3.92

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	787	9:50	1	1.129	A BB	117089.	116.289	UG/ML	4.04
19	122	831	10:23	1	1.192	A BB	93186.	116.925	UG/ML	4.06
20	107	883	11:02	2	0.945	A BB	100803.	118.514	UG/ML	4.11
21	107	909	11:22	2	0.973	A BV	91881.	118.949	UG/ML	4.13
22	107	922	11:31	2	0.987	A VB	94653.	122.833	UG/ML	4.26
23	107	941	11:46	1	1.350	A BB	114832.	113.504	UG/ML	3.94
24	142	1098	13:43	2	1.176	A BB	227201.	121.002	UG/ML	4.20
25	106	815	10:11	1	1.169	M XX	60138.	327.357	UG/ML	11.36
26	106	815	10:11	1	1.169	M XX	86400.	93.176	UG/ML	3.23

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:09	0.99	0.477	0.99	80.81	50.00	3.800	2.351	1.62
5	4:10	0.99	0.480	0.99	107.50	50.00	4.187	1.948	2.15
6	5:15	1.00	0.603	0.99	105.22	50.00	4.259	2.024	2.10
7	6:01	1.00	0.693	1.00	112.74	50.00	3.912	1.735	2.25
8	6:23	1.00	0.734	1.00	112.25	50.00	4.596	2.047	2.24
9	6:46	1.00	0.777	1.00	115.74	50.00	5.306	2.292	2.31
10	7:13	1.00	0.829	1.00	110.76	50.00	3.848	1.737	2.22
11	7:28	1.00	0.858	1.00	118.40	50.00	4.221	1.782	2.37
12	7:43	1.00	0.888	1.00	109.45	50.00	2.827	1.292	2.19
13	7:49	1.00	0.898	1.00	132.31	50.00	3.282	1.240	2.65
14	8:03	1.00	0.925	1.00	100.62	50.00	3.027	1.504	2.01
15	8:31	1.00	0.980	1.00	96.71	50.00	2.378	1.229	1.93
16	8:55	1.00	1.024	1.00	97.29	50.00	3.702	1.903	1.95
17	9:03	1.00	1.040	1.00	112.83	50.00	3.386	1.501	2.26
18	9:47	1.01	1.125	1.00	116.29	50.00	3.281	1.411	2.33
19	10:21	1.00	1.190	1.00	116.92	50.00	2.611	1.116	2.34
20	11:01	1.00	0.944	1.00	118.51	50.00	0.771	0.325	2.37
21	11:19	1.00	0.971	1.00	118.95	50.00	0.703	0.296	2.38
22	11:29	1.00	0.985	1.00	122.83	50.00	0.724	0.295	2.46
23	11:43	1.00	1.348	1.00	113.50	50.00	3.217	1.417	2.27
24	13:42	1.00	1.175	1.00	121.00	50.00	1.738	0.718	2.42
25	10:02	1.01	1.154	1.01	327.36	50.00	1.685	0.257	6.55
26	10:05	1.01	1.159	1.01	93.18	50.00	2.421	1.299	1.86

RMAL QUANTITATION SUMMARY FILE: 5TDR106
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/M AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	697	1	28553.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	934	2	104560.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	55252.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	328	1	135616.	3.800	80.808
5	S1# 20	PYRIDINE	79	330	1	149451.	4.187	107.500
6	S1# 30	2-PICOLINE	93	418	1	152024.	4.259	105.216
7	S1# 62	3 & 4-PICOLINE	93	481	1	139617.	3.912	112.737
8	S1# 64	2,6-LUTIDINE	107	511	1	164040.	4.596	112.245
9	S1# 73	2-ETHYL PYRIDINE	106	541	1	189361.	5.306	113.742
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	137329.	3.848	110.757
11	S1# 87	2,3-LUTIDINE	107	598	1	150638.	4.221	118.396
12	S1# 88	3-ETHYL PYRIDINE	107	619	1	100914.	2.827	109.451
13	S1# 89	4-ETHYL PYRIDINE	107	626	1	117143.	3.282	132.313
14	S1# 92	3,5-LUTIDINE	107	645	1	108050.	3.027	100.620
15	S1#122	3,4-LUTIDINE	107	683	1	84880.	2.378	96.714
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	712	1	132123.	3.702	97.285
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	726	1	120851.	3.386	112.829
18	S1#187	M AND P CRESOLS	108	787	1	117089.	3.281	116.289
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	815	1	60138.	1.685	327.357
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	815	1	86400.	2.421	93.176
21	S1#204	2,6-DIMETHYL PHENOL	122	831	1	93186.	2.611	116.925
22	S2# 27	2,5-DIMETHYL PHENOL	107	883	2	100803.	0.771	118.514
23	S2# 37	3,5-DIMETHYL PHENOL	107	909	2	91881.	0.703	118.949
24	S2# 47	2,3-DIMETHYL PHENOL	107	922	2	94653.	0.724	122.833
25	S2# 57	3,4-DIMETHYL PHENOL	107	941	1	114832.	3.217	113.504
26	S2#150	1-METHYLNAPHTHALENE	142	1098	2	227201.	1.738	121.002

Quantitation Report File: STDR106

Data: STDR106.TI
10/26/87 15:26:00
Sample: 120 PPM PYRIDINE C5 (10-26-87 MLB)
Conds.: SK
Formula: 120 PPM Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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	2,6-DIMETHYL PHENOL	122	S1#204	
20	2,5-DIMETHYL PHENOL	107	S2# 27	
21	3,5-DIMETHYL PHENOL	107	S2# 37	
22	2,3-DIMETHYL PHENOL	107	S2# 47	
23	3,4-DIMETHYL PHENOL	107	S2# 57	
24	1-METHYLNAPHTHALENE	142	S2#150	90-12-0
25	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
26	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	697	8:43	1	1.000	A BV	28553.	40.000	UG/ML	1.48
2	136	934	11:40	2	1.000	A BB	104560.	40.000	UG/ML	1.48
3	164	1289	16:07	3	1.000	A BB	55252.	40.000	UG/ML	1.48
4	84	328	4:06	1	0.471	A BB	135616.	80.808	UG/ML	2.99
5	79	330	4:07	1	0.473	A BB	149451.	107.500	UG/ML	3.98
6	93	418	5:13	1	0.600	A BB	152024.	105.216	UG/ML	3.90
7	93	481	6:01	1	0.690	A BB	139617.	112.737	UG/ML	4.18
8	107	511	6:23	1	0.733	A BB	164040.	112.245	UG/ML	4.16
9	106	541	6:46	1	0.776	A BB	189361.	115.742	UG/ML	4.29
10	107	577	7:13	1	0.828	A BB	137329.	110.757	UG/ML	4.10
11	107	598	7:28	1	0.858	A BB	150638.	118.396	UG/ML	4.38
12	107	619	7:44	1	0.888	A BV	100914.	109.451	UG/ML	4.05
13	107	626	7:49	1	0.898	A VB	117143.	132.313	UG/ML	4.90
14	107	645	8:04	1	0.925	A BV	108050.	100.620	UG/ML	3.73
15	107	683	8:32	1	0.980	A BV	84880.	96.714	UG/ML	3.58
16	106	712	8:54	1	1.022	A BV	132123.	90.500	UG/ML	3.35
17	106	726	9:04	1	1.042	A VV	120851.	112.411	UG/ML	4.16

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	787	9:50	1	1.129	A BB	117089.	116.289	UG/ML	4.31
19	122	831	10:23	1	1.192	A BB	93186.	116.925	UG/ML	4.33
20	107	883	11:02	2	0.945	A BB	100803.	118.514	UG/ML	4.39
21	107	909	11:22	2	0.973	A BV	91881.	118.949	UG/ML	4.41
22	107	922	11:31	2	0.987	A VB	94653.	122.833	UG/ML	4.55
23	107	941	11:46	1	1.350	A BB	114832.	113.504	UG/ML	4.20
24	142	1098	13:43	2	1.176	A BB	227201.	121.002	UG/ML	4.48
25	106	815	10:11	1	1.169	M XX	123305.	123.375	UG/ML	4.57
26	106	815	10:11	1	1.169	M XX	123305.	123.375	UG/ML	4.57

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:09	0.99	0.477	0.99	80.81	50.00	3.800	2.351	1.62
5	4:10	0.99	0.480	0.99	107.50	50.00	4.187	1.948	2.15
6	5:15	1.00	0.603	0.99	105.22	50.00	4.259	2.024	2.10
7	6:01	1.00	0.693	1.00	112.74	50.00	3.912	1.735	2.25
8	6:23	1.00	0.734	1.00	112.25	50.00	4.596	2.047	2.24
9	6:46	1.00	0.777	1.00	115.74	50.00	5.306	2.292	2.31
10	7:13	1.00	0.829	1.00	110.76	50.00	3.848	1.737	2.22
11	7:28	1.00	0.858	1.00	118.40	50.00	4.221	1.782	2.37
12	7:43	1.00	0.888	1.00	109.45	50.00	2.827	1.292	2.19
13	7:49	1.00	0.898	1.00	132.31	50.00	3.282	1.240	2.65
14	8:03	1.00	0.925	1.00	100.62	50.00	3.027	1.504	2.01
15	8:31	1.00	0.980	1.00	96.71	50.00	2.378	1.229	1.93
16	8:55	1.00	1.024	1.00	90.50	50.00	3.702	2.045	1.81
17	9:03	1.00	1.040	1.00	112.41	50.00	3.386	1.506	2.25
18	9:47	1.01	1.125	1.00	116.29	50.00	3.281	1.411	2.33
19	10:21	1.00	1.190	1.00	116.92	50.00	2.611	1.116	2.34
20	11:01	1.00	0.944	1.00	118.51	50.00	0.771	0.325	2.37
21	11:19	1.00	0.971	1.00	118.95	50.00	0.703	0.296	2.38
22	11:29	1.00	0.985	1.00	122.83	50.00	0.724	0.295	2.46
23	11:43	1.00	1.348	1.00	113.50	50.00	3.217	1.417	2.27
24	13:42	1.00	1.175	1.00	121.00	50.00	1.738	0.718	2.42
25	10:05	1.01	1.159	1.01	123.38	50.00	3.455	1.400	2.47
26	10:05	1.01	1.159	1.01	123.38	50.00	3.455	1.400	2.47

RMAL QUANTITATION SUMMARY FILE: STDR106
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/M AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	697	1	28553.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	934	2	104560.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	55252.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	328	1	135616.	3.600	80.808
5	S1# 20	PYRIDINE	79	330	1	149451.	4.187	107.500
6	S1# 30	2-PICOLINE	93	418	1	152024.	4.259	105.216
7	S1# 62	3 & 4-PICOLINE	93	481	1	139617.	3.912	112.737
8	S1# 64	2,6-LUTIDINE	107	511	1	164040.	4.596	112.245
9	S1# 73	2-ETHYL PYRIDINE	106	541	1	189361.	5.306	115.742
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	137329.	3.848	110.757
11	S1# 87	2,3-LUTIDINE	107	598	1	150638.	4.221	118.396
12	S1# 88	3-ETHYL PYRIDINE	107	619	1	100914.	2.827	109.451
13	S1# 89	4-ETHYL PYRIDINE	107	626	1	117143.	3.282	132.313
14	S1# 92	3,5-LUTIDINE	107	645	1	108050.	3.027	100.620
15	S1#122	3,4-LUTIDINE	107	683	1	84880.	2.378	96.714
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	712	1	132123.	3.702	90.500
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	726	1	120851.	3.386	112.411
18	S1#187	M AND P CRESOLS	108	787	1	117089.	3.281	116.289
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	815	1	123305.	3.455	123.375
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	815	1	123305.	3.455	123.375
21	S1#204	2,6-DIMETHYL PHENOL	122	831	1	93186.	2.611	116.925
22	S2# 27	2,5-DIMETHYL PHENOL	107	883	2	100803.	0.771	118.514
23	S2# 37	3,5-DIMETHYL PHENOL	107	909	2	91881.	0.703	118.949
24	S2# 47	2,3-DIMETHYL PHENOL	107	922	2	94653.	0.724	122.833
25	S2# 57	3,4-DIMETHYL PHENOL	107	941	1	114832.	3.217	113.504
26	S2#150	1-METHYLNAPHTHALENE	142	1098	2	227201.	1.738	121.002

10/26/87 17:00:31 SCAN 1 OF 2500
Acquisition started

Acquire
10/26/87 17:00:00 + 0:03
Sample: 160PPM PYRIDINE CS (10-26-87MLB)
Conds.: SK
Formula: 160
Submitted by: RMAL

Run 0:STDR107
Free sectors: 5460
Instrument: 4500
Analyst: JK

ACQUIRING
Scan: 4 of 2500
Weight: 0.000
Acct. No:

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

Loaded GC Desc:SK Current GC oven tmp: 30 DegC Injector : 250 DegC
Current GC Desc:SK GC elapsed time : 0: 3 min Int.oven : 250 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			

********** 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

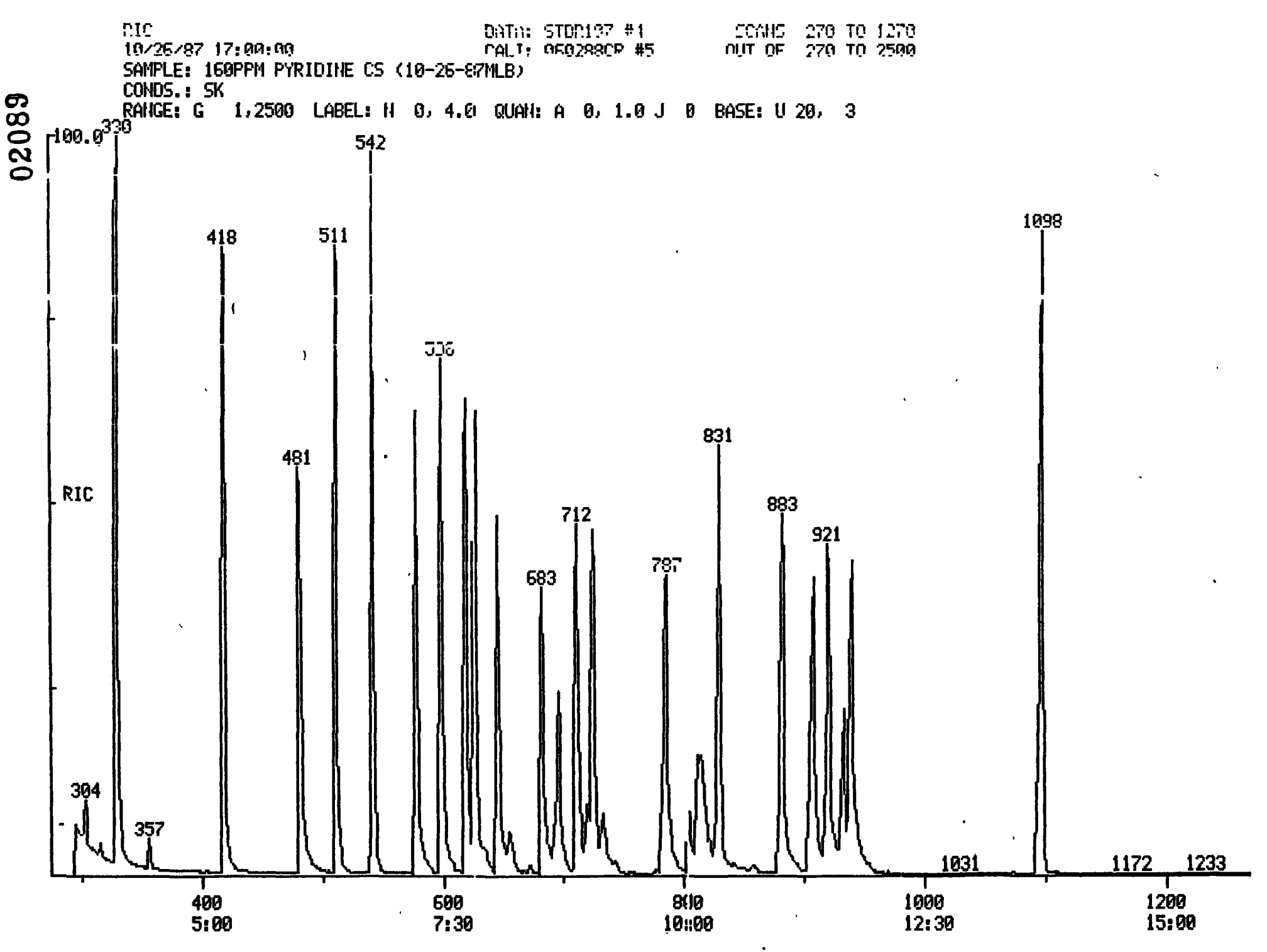
Min Area: 20

***** 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	

10/26/87 17:31:49
ACQUISITION COMPLETED
SCANS 1 TO 2500 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2500	297.6	1875.0	15.9	372c2. 15.	20.

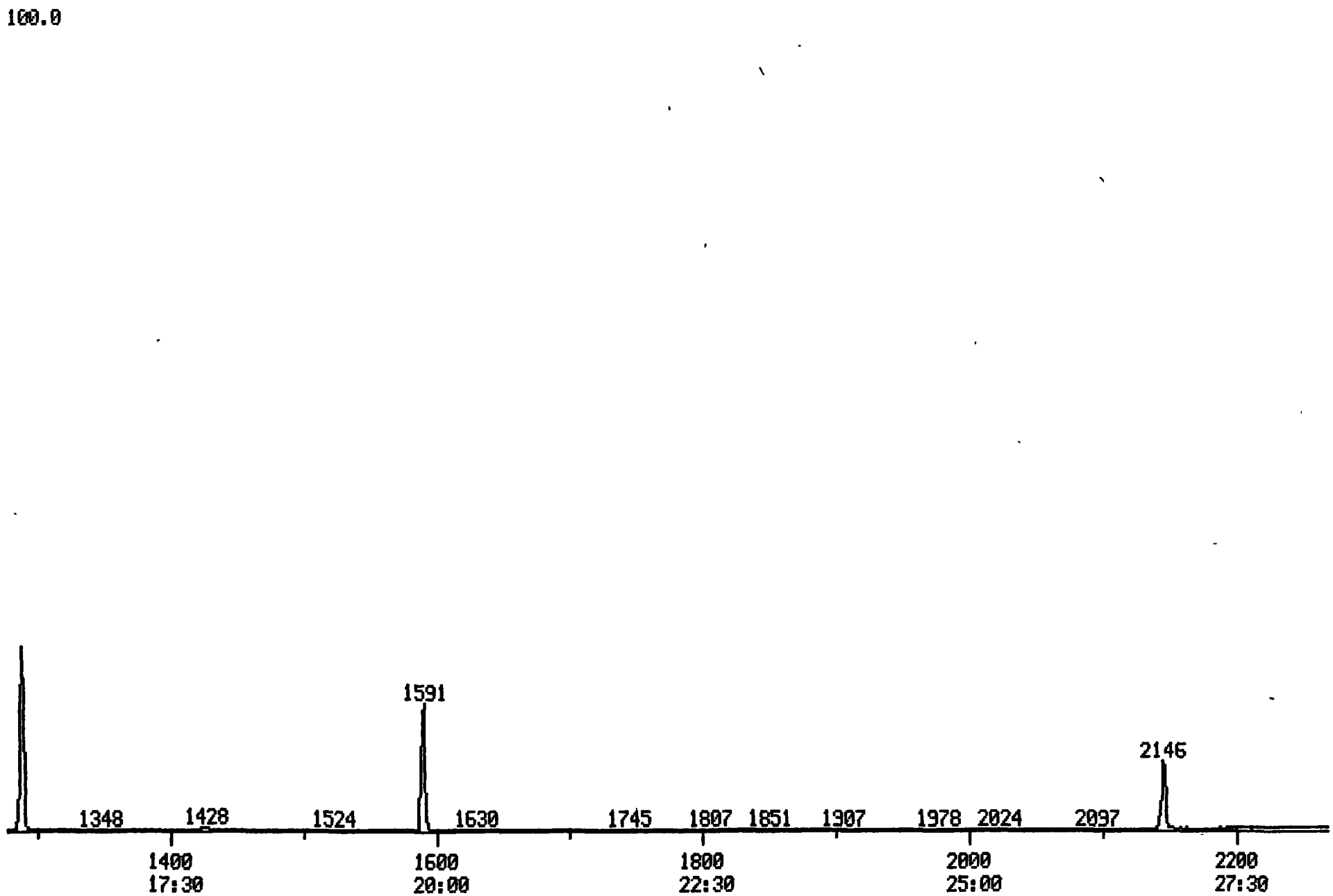

RIC
10/26/87 17:00:00
SAMPLE: 160PPM PYRIDINE CS (10-26-87MLB)
CONDS.: SK
RANGE: G 1,2500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STD0137 #1
CALI: 050288CP #5
SCANS 270 TO 1270
OUT OF 270 TO 2500
02089
100.0
330
542
418
511
536
481
831
712
883
921
683
787
1098
304
357
1031
1172
1233
RIC
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

02090

RIC
10/26/87 17:00:00
SAMPLE: 160PPM PYRIDINE CS (10-26-87MLB)
CONDS.: SK
RANGE: G 1,2500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDR107 #4
CALI: 060288CR #5

SCANS 1270 TO 2270
OUT OF 270 TO 2500

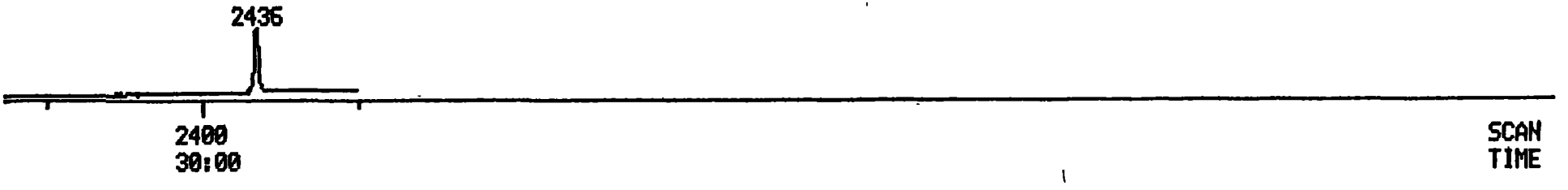


RIC DATA: STDR107 #4 SCANS 2270 TO 2500
10/26/87 17:00:00 CALI: 060289CR #5 OUT OF 270 TO 2500
SAMPLE: 160PPM PYRIDINE CS (10-26-87MLB)
CONDS.: SK
RANGE: G 1,2500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

02091

100.0

212224.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/06/06 6:20
DATA FILE: STDR107
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	13	13	24	147	ISO1/TCO1
3	3	1	32	14	14	72	266	ISO2/TCO2

26 COMPOUNDS PROCESSED, 26 FOUND

COMPOUND NO	COMPOUND LIB	COMPOUND ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SEARCH FIT	SAT PEAKS	CHRO M/Z	CHRO TOP	CHRO DELTA	CHRO PE
1	S1	1	-715	697	697	.	1	955	.	152	697	.	
2	S1	4	-332	326	328	2	1	1000	.	84	328	.	
3	S1	20	-334	328	330	2	1	987	.	79	330	.	
4	S1	30	-429	420	418	-2	1	998	.	93	418	.	
5	S1	62	-494	483	481	-2	1	996	.	93	481	.	
6	S1	64	-525	512	511	-1	2	996	.	107	511	.	
7	S1	73	-557	543	542	-1	1	1000	.	106	542	.	
8	S1	83	-593	578	577	-1	1	996	.	107	577	.	
9	S1	87	-614	598	598	.	1	996	.	107	598	.	
10	S1	88	-635	619	619	.	2	998	.	107	619	.	
11	S1	89	-643	626	626	.	3	996	.	107	626	.	
12	S1	92	-662	645	646	1	2	998	.	107	646	.	
13	S1	122	-700	681	683	2	1	994	.	107	683	.	
14	S2	1	-954	934	934	.	1	991	.	136	934	.	
15	S3	1	-1311	1289	1289	.	1	996	.	164	1289	.	
16	S1	137	-730	715	712	-3	2	997	.	106	712	.	
17	S1	142	-744	728	726	-2	3	997	.	106	726	.	
18	S1	187	-799	783	787	4	1	922	.	108	786	-1	
19	S1	202	-822	806	804	-2	2	1000	.	106	804	.	
20	S1	203	-827	811	812	1	3	1000	.	106	.	.	
21	S1	204	-847	831	831	.	1	997	.	122	831	.	
22	S2	27	-898	881	883	2	1	995	.	107	883	.	
23	S2	37	-922	905	909	4	1	996	.	107	909	.	
24	S2	47	-937	920	921	1	2	998	.	107	921	.	
25	S2	57	-955	938	941	3	1	998	.	107	941	.	
26	S2	150	-1118	1099	1098	-1	1	982	.	142	1098	.	

Quantitation Report File: STDR107

Data: STDR107.TI
10/26/87 17:00:00
Sample: 160PPM PYRIDINE CS (10-26-87MLB)
Conds.: SK
Formula: 160 Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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-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	697	8:43	1	1.000	A BB	18983.	40.000	UG/ML	1.21
2	84	328	4:06	1	0.471	A BB	129819.	151.588	UG/ML	4.58
3	79	330	4:07	1	0.473	A BB	139835.	166.380	UG/ML	5.04
4	93	418	5:13	1	0.600	A BB	138738.	165.191	UG/ML	5.00
5	93	481	6:01	1	0.690	A BB	116296.	140.808	UG/ML	4.26
6	107	511	6:23	1	0.733	A BB	152234.	166.038	UG/ML	5.02
7	106	542	6:46	1	0.778	A BB	171541.	161.448	UG/ML	4.88
8	107	577	7:13	1	0.828	A BB	127394.	161.003	UG/ML	4.87
9	107	598	7:28	1	0.858	A BB	133649.	159.507	UG/ML	4.82
10	107	619	7:44	1	0.888	A BV	85239.	148.171	UG/ML	4.48
11	107	626	7:49	1	0.898	A VB	103368.	152.913	UG/ML	4.62
12	107	646	8:04	1	0.927	A BV	96978.	132.531	UG/ML	4.01
13	107	683	8:32	1	0.980	A BV	73815.	100.114	UG/ML	3.03
14	136	934	11:40	14	1.000	A BB	66819.	40.000	UG/ML	1.21
15	164	1289	16:07	15	1.000	A BB	33005.	40.000	UG/ML	1.21
16	106	712	8:54	1	1.022	A BV	119194.	125.406	UG/ML	3.79
17	106	726	9:04	1	1.042	A VV	105640.	156.266	UG/ML	4.73

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	786	9:49	1	1.128	A BB	99880.	136.868	UG/ML	4.14
19	106	804	10:03	1	1.154	A BV	14948.	85.967	UG/ML	2.60
20	NOT	FOUND								
21	122	831	10:23	1	1.192	A BB	83558.	139.939	UG/ML	4.23
22	107	883	11:02	14	0.945	A BB	85427.	159.571	UG/ML	4.83
23	107	909	11:22	14	0.973	A BV	76689.	142.862	UG/ML	4.32
24	107	921	11:31	14	0.986	A VB	81276.	142.515	UG/ML	4.31
25	107	941	11:46	1	1.350	A BB	95786.	125.711	UG/ML	3.80
26	142	1098	13:43	14	1.176	A BB	196951.	165.448	UG/ML	5.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:57	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:09	0.99	0.464	1.01	151.59	50.00	5.471	1.805	3.03
3	4:10	0.99	0.466	1.01	166.58	50.00	5.893	1.769	3.33
4	5:22	0.97	0.599	1.00	165.19	50.00	5.847	1.770	3.30
5	6:10	0.97	0.690	1.00	140.81	50.00	4.901	1.740	2.82
6	6:34	0.97	0.733	1.00	166.04	50.00	6.416	1.932	3.32
7	6:58	0.97	0.778	1.00	161.45	50.00	7.229	2.239	3.23
8	7:25	0.97	0.828	1.00	161.00	50.00	5.369	1.667	3.22
9	7:40	0.97	0.858	1.00	159.51	50.00	5.632	1.766	3.19
10	7:56	0.97	0.887	1.00	148.17	50.00	3.592	1.212	2.96
11	8:02	0.97	0.898	1.00	152.91	50.00	4.356	1.424	3.06
12	8:16	0.98	0.925	1.00	132.53	50.00	4.087	1.542	2.65
13	8:45	0.98	0.978	1.00	100.11	50.00	3.111	1.554	2.00
14	11:56	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	16:24	0.98	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	9:07	0.98	1.020	1.00	125.41	50.00	5.023	2.003	2.51
17	9:18	0.98	1.039	1.00	156.27	50.00	4.452	1.424	3.13
18	9:59	0.98	1.116	1.01	136.87	50.00	4.209	1.538	2.74
19	10:16	0.98	1.148	1.00	85.97	50.00	0.630	0.366	1.72
20	10:20		1.155						
21	10:35	0.98	1.183	1.01	139.94	50.00	3.521	1.258	2.80
22	11:13	0.98	0.940	1.01	159.57	50.00	1.023	0.320	3.19
23	11:31	0.99	0.965	1.01	142.86	50.00	0.918	0.321	2.86
24	11:43	0.98	0.981	1.01	142.51	50.00	0.973	0.341	2.85
25	11:56	0.99	1.334	1.01	125.71	50.00	4.037	1.606	2.51
26	13:58	0.98	1.171	1.00	165.45	50.00	2.358	0.713	3.31

FINISHED AT: 6/06/06 6:23:57

FINAL QUANTITATION SUMMARY FILE: STDR107
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/M AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	697	1	18983.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	934	2	66819.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	33005.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	328	1	129819.	5.471	151.588
5	S1# 20	PYRIDINE	79	330	1	139835.	5.893	166.580
6	S1# 30	2-PICOLINE	93	418	1	138738.	5.847	165.191
7	S1# 62	3 & 4-PICOLINE	93	481	1	116296.	4.901	140.808
8	S1# 64	2,6-LUTIDINE	107	511	1	152234.	6.416	166.038
9	S1# 73	2-ETHYL PYRIDINE	106	542	1	171541.	7.229	161.449
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	127394.	5.369	161.003
11	S1# 87	2,3-LUTIDINE	107	598	1	133649.	5.632	159.507
12	S1# 88	3-ETHYL PYRIDINE	107	619	1	85239.	3.592	148.171
13	S1# 89	4-ETHYL PYRIDINE	107	626	1	103368.	4.356	152.913
14	S1# 92	3,5-LUTIDINE	107	646	1	96978.	4.087	132.531
15	S1#122	3,4-LUTIDINE	107	683	1	73815.	3.111	100.114
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	712	1	119194.	5.023	125.406
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	726	1	105640.	4.452	156.266
18	S1#187	M AND P CRESOLS	108	786	1	99880.	4.209	136.868
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	804	1	14948.	0.630	85.967
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106		1	NOT FOUND		
21	S1#204	2,6-DIMETHYL PHENOL	122	831	1	83558.	3.521	139.939
22	S2# 27	2,5-DIMETHYL PHENOL	107	883	2	85427.	1.023	159.571
23	S2# 37	3,5-DIMETHYL PHENOL	107	909	2	76689.	0.918	142.862
24	S2# 47	2,3-DIMETHYL PHENOL	107	921	2	81276.	0.973	142.515
25	S2# 57	3,4-DIMETHYL PHENOL	107	941	1	95786.	4.037	125.711
26	S2#150	1-METHYLNAPHTHALENE	142	1098	2	196951.	2.358	165.448

Data: STDR107.TI
10/26/87 17:00:00
Sample: 160PPM PYRIDINE CS (10-26-87MLB)
Conds.: SK
Formula: 160 Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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	2,6-DIMETHYL PHENOL	122 S1#204		
20	2,5-DIMETHYL PHENOL	107 S2# 27		
21	3,5-DIMETHYL PHENOL	107 S2# 37		
22	2,3-DIMETHYL PHENOL	107 S2# 47		
23	3,4-DIMETHYL PHENOL	107 S2# 57		
24	1-METHYLNAPHTHALENE	142 S2#150	90-12-0	
25	3-ETHYL-4-METHYL PYRIDINE	106 S1#202		
26	3-ETHYL-5-METHYL PYRIDINE	106 S1#203		

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	697	8:43	1	1.000	A BB	18983.	40.000	UG/ML	1.04
2	136	934	11:40	2	1.000	A BB	66819.	40.000	UG/ML	1.04
3	164	1289	16:07	3	1.000	A BB	33005.	40.000	UG/ML	1.04
4	84	328	4:06	1	0.471	A BB	129819.	116.350	UG/ML	3.02
5	79	330	4:07	1	0.473	A BB	139835.	151.291	UG/ML	3.93
6	93	418	5:13	1	0.600	A BB	138738.	144.427	UG/ML	3.75
7	93	481	6:01	1	0.690	A BB	116296.	141.248	UG/ML	3.67
8	107	511	6:23	1	0.733	A BB	152234.	156.682	UG/ML	4.07
9	106	542	6:46	1	0.778	A BB	171541.	157.709	UG/ML	4.10
10	107	577	7:13	1	0.828	A BB	127394.	154.540	UG/ML	4.02
11	107	598	7:28	1	0.858	A BB	133649.	157.999	UG/ML	4.11
12	107	619	7:44	1	0.888	A BV	85239.	139.057	UG/ML	3.62
13	107	626	7:49	1	0.898	A VB	103368.	175.614	UG/ML	4.57
14	107	646	8:04	1	0.927	A BV	96978.	135.838	UG/ML	3.53
15	107	683	8:32	1	0.980	A BV	73815.	126.508	UG/ML	3.29
16	106	712	8:54	1	1.022	A BV	119194.	132.011	UG/ML	3.43
17	106	726	9:04	1	1.042	A VV	105640.	148.350	UG/ML	3.86

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	786	9:49	1	1.128	A BB	99880.	149.206	UG/ML	3.88
19	122	831	10:23	1	1.192	A BB	83558.	157.700	UG/ML	4.10
20	107	883	11:02	2	0.945	A BB	85427.	157.164	UG/ML	4.09
21	107	909	11:22	2	0.973	A BV	76689.	155.357	UG/ML	4.04
22	107	921	11:31	2	0.986	A VB	81276.	165.047	UG/ML	4.29
23	107	941	11:46	1	1.350	A BB	95786.	142.411	UG/ML	3.70
24	142	1098	13:43	2	1.176	A BB	196951.	164.136	UG/ML	4.27
25	106	815	10:11	1	1.169	M XX	60896.	498.595	UG/ML	12.96
26	106	815	10:11	1	1.169	M XX	61196.	99.265	UG/ML	2.58

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:09	0.99	0.477	0.99	116.35	50.00	5.471	2.351	2.33
5	4:10	0.99	0.480	0.99	151.29	50.00	5.893	1.948	3.03
6	5:15	1.00	0.603	0.99	144.43	50.00	5.847	2.024	2.89
7	6:01	1.00	0.693	1.00	141.25	50.00	4.901	1.735	2.82
8	6:23	1.00	0.734	1.00	156.68	50.00	6.416	2.047	3.13
9	6:46	1.00	0.777	1.00	157.71	50.00	7.229	2.292	3.15
10	7:13	1.00	0.829	1.00	154.54	50.00	5.369	1.737	3.09
11	7:28	1.00	0.858	1.00	158.00	50.00	5.632	1.782	3.16
12	7:43	1.00	0.888	1.00	139.06	50.00	3.592	1.292	2.78
13	7:49	1.00	0.898	1.00	175.61	50.00	4.356	1.240	3.51
14	8:03	1.00	0.925	1.00	135.84	50.00	4.087	1.504	2.72
15	8:31	1.00	0.980	1.00	126.51	50.00	3.111	1.229	2.53
16	8:55	1.00	1.024	1.00	132.01	50.00	5.023	1.903	2.64
17	9:03	1.00	1.040	1.00	148.35	50.00	4.452	1.501	2.97
18	9:47	1.00	1.125	1.00	149.21	50.00	4.209	1.411	2.98
19	10:21	1.00	1.190	1.00	157.70	50.00	3.521	1.116	3.15
20	11:01	1.00	0.944	1.00	157.16	50.00	1.023	0.325	3.14
21	11:19	1.00	0.971	1.00	155.36	50.00	0.918	0.296	3.11
22	11:29	1.00	0.985	1.00	165.05	50.00	0.973	0.295	3.30
23	11:43	1.00	1.348	1.00	142.41	50.00	4.037	1.417	2.85
24	13:42	1.00	1.175	1.00	164.14	50.00	2.358	0.718	3.28
25	10:02	1.01	1.154	1.01	498.60	50.00	2.566	0.257	9.97
26	10:05	1.01	1.159	1.01	99.27	50.00	2.579	1.299	1.99

FINAL QUANTITATION SUMMARY FILE: STDR107
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/M AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	697	1	18983.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	934	2	66819.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	33005.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	328	1	129819.	5.471	116.350
5	S1# 20	PYRIDINE	79	330	1	139835.	5.893	151.291
6	S1# 30	2-PICOLINE	93	418	1	138738.	5.847	144.427
7	S1# 62	3 & 4-PICOLINE	93	481	1	116296.	4.901	141.248
8	S1# 64	2,6-LUTIDINE	107	511	1	152234.	6.416	156.682
9	S1# 73	2-ETHYL PYRIDINE	106	542	1	171541.	7.229	157.709
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	127394.	5.369	154.540
11	S1# 87	2,3-LUTIDINE	107	598	1	133649.	5.632	158.000
12	S1# 88	3-ETHYL PYRIDINE	107	619	1	85239.	3.592	139.057
13	S1# 89	4-ETHYL PYRIDINE	107	626	1	103368.	4.356	175.614
14	S1# 92	3,5-LUTIDINE	107	646	1	96978.	4.087	135.838
15	S1#122	3,4-LUTIDINE	107	683	1	73815.	3.111	126.508
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	712	1	119194.	5.023	132.011
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	726	1	105640.	4.452	148.350
18	S1#187	M AND P CRESOLS	108	786	1	99880.	4.209	149.206
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	815	1	60896.	2.566	498.595
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	815	1	61196.	2.579	99.265
21	S1#204	2,6-DIMETHYL PHENOL	122	831	1	83558.	3.521	157.700
22	S2# 27	2,5-DIMETHYL PHENOL	107	883	2	85427.	1.023	157.164
23	S2# 37	3,5-DIMETHYL PHENOL	107	909	2	76689.	0.918	155.357
24	S2# 47	2,3-DIMETHYL PHENOL	107	921	2	81276.	0.973	165.047
25	S2# 57	3,4-DIMETHYL PHENOL	107	941	1	95786.	4.037	142.411
26	S2#150	1-METHYLNAPHTHALENE	142	1098	2	196951.	2.358	164.136

Quantitation Report File: STDR107

Data: STDR107.TI
10/26/87 17:00:00
Sample: 160PPM PYRIDINE CS (10-26-87MLB)
Conds.: SK
Formula: 160 Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: JK 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	2,6-DIMETHYL PHENOL	122	S1#204	
20	2,5-DIMETHYL PHENOL	107	S2# 27	
21	3,5-DIMETHYL PHENOL	107	S2# 37	
22	2,3-DIMETHYL PHENOL	107	S2# 47	
23	3,4-DIMETHYL PHENOL	107	S2# 57	
24	1-METHYLNAPHTHALENE	142	S2#150	90-12-0
25	3-ETHYL-4-METHYL PYRIDINE	106	S1#202	
26	3-ETHYL-5-METHYL PYRIDINE	106	S1#203	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	697	8:43	1	1.000	A BB	18983.	40.000	UG/ML	1.13
2	136	934	11:40	2	1.000	A BB	66819.	40.000	UG/ML	1.13
3	164	1289	16:07	3	1.000	A BB	33005.	40.000	UG/ML	1.13
4	84	328	4:06	1	0.471	A BB	129819.	116.350	UG/ML	3.28
5	79	330	4:07	1	0.473	A BB	139835.	151.291	UG/ML	4.26
6	93	418	5:13	1	0.600	A BB	138738.	144.427	UG/ML	4.07
7	93	481	6:01	1	0.690	A BB	116296.	141.248	UG/ML	3.98
8	107	511	6:23	1	0.733	A BB	152234.	156.682	UG/ML	4.41
9	106	542	6:46	1	0.778	A BB	171541.	157.709	UG/ML	4.44
10	107	577	7:13	1	0.828	A BB	127394.	154.540	UG/ML	4.35
11	107	598	7:28	1	0.858	A BB	133649.	157.999	UG/ML	4.45
12	107	619	7:44	1	0.888	A BV	85239.	139.057	UG/ML	3.91
13	107	626	7:49	1	0.898	A VB	103368.	175.614	UG/ML	4.94
14	107	646	8:04	1	0.927	A BV	96978.	135.838	UG/ML	3.82
15	107	683	8:32	1	0.980	A BV	73815.	126.508	UG/ML	3.56
16	106	712	8:54	1	1.022	A BV	119194.	122.803	UG/ML	3.46
17	106	726	9:04	1	1.042	A VV	105640.	147.800	UG/ML	4.16

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	786	9:49	1	1.128	A BB	99880.	149.206	UG/ML	4.20
19	122	831	10:23	1	1.192	A BB	83558.	157.700	UG/ML	4.44
20	107	883	11:02	2	0.945	A BB	85427.	157.164	UG/ML	4.42
21	107	909	11:22	2	0.973	A BV	76689.	155.357	UG/ML	4.37
22	107	921	11:31	2	0.986	A VB	81276.	165.047	UG/ML	4.65
23	107	941	11:46	1	1.350	A BB	95786.	142.411	UG/ML	4.01
24	142	1098	13:43	2	1.176	A BB	196951.	164.136	UG/ML	4.62
25	106	815	10:11	1	1.169	M XX	104348.	157.043	UG/ML	4.42
26	106	815	10:11	1	1.169	M XX	103998.	156.516	UG/ML	4.41

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	4:09	0.99	0.477	0.99	116.35	50.00	5.471	2.351	2.33
5	4:10	0.99	0.480	0.99	151.29	50.00	5.893	1.948	3.03
6	5:15	1.00	0.603	0.99	144.43	50.00	5.847	2.024	2.89
7	6:01	1.00	0.693	1.00	141.25	50.00	4.901	1.735	2.82
8	6:23	1.00	0.734	1.00	156.68	50.00	6.416	2.047	3.13
9	6:46	1.00	0.777	1.00	157.71	50.00	7.229	2.292	3.15
10	7:13	1.00	0.829	1.00	154.54	50.00	5.369	1.737	3.09
11	7:28	1.00	0.858	1.00	158.00	50.00	5.632	1.782	3.16
12	7:43	1.00	0.888	1.00	139.06	50.00	3.592	1.292	2.78
13	7:49	1.00	0.898	1.00	175.61	50.00	4.356	1.240	3.51
14	8:03	1.00	0.925	1.00	135.84	50.00	4.087	1.504	2.72
15	8:31	1.00	0.980	1.00	126.51	50.00	3.111	1.229	2.53
16	8:55	1.00	1.024	1.00	122.80	50.00	5.023	2.045	2.46
17	9:03	1.00	1.040	1.00	147.80	50.00	4.452	1.506	2.96
18	9:47	1.00	1.125	1.00	149.21	50.00	4.209	1.411	2.98
19	10:21	1.00	1.190	1.00	157.70	50.00	3.521	1.116	3.15
20	11:01	1.00	0.944	1.00	157.16	50.00	1.023	0.325	3.14
21	11:19	1.00	0.971	1.00	155.36	50.00	0.918	0.296	3.11
22	11:29	1.00	0.985	1.00	165.05	50.00	0.973	0.295	3.30
23	11:43	1.00	1.348	1.00	142.41	50.00	4.037	1.417	2.85
24	13:42	1.00	1.175	1.00	164.14	50.00	2.358	0.718	3.28
25	10:05	1.01	1.159	1.01	157.04	50.00	4.398	1.400	3.14
26	10:05	1.01	1.159	1.01	156.52	50.00	4.383	1.400	3.13

FINAL QUANTITATION SUMMARY FILE: STDR107
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/M AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	697	1	18983.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	934	2	66819.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1289	3	33005.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	328	1	129819.	5.471	116.350
5	S1# 20	PYRIDINE	79	330	1	139835.	5.893	151.291
6	S1# 30	2-PICOLINE	93	418	1	138738.	5.847	144.427
7	S1# 62	3 & 4-PICOLINE	93	481	1	116296.	4.901	141.248
8	S1# 64	2,6-LUTIDINE	107	511	1	152234.	6.416	156.682
9	S1# 73	2-ETHYL PYRIDINE	106	542	1	171541.	7.229	157.709
10	S1# 83	2,4 & 2,5-LUTIDINE	107	577	1	127394.	5.369	154.540
11	S1# 87	2,3-LUTIDINE	107	598	1	133649.	5.632	158.000
12	S1# 88	3-ETHYL PYRIDINE	107	619	1	85239.	3.592	139.057
13	S1# 89	4-ETHYL PYRIDINE	107	626	1	103368.	4.356	175.614
14	S1# 92	3,5-LUTIDINE	107	646	1	96978.	4.087	135.838
15	S1#122	3,4-LUTIDINE	107	683	1	73815.	3.111	126.508
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	712	1	119194.	5.023	122.804
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	726	1	105640.	4.452	147.800
18	S1#187	M AND P CRESOLS	108	786	1	99880.	4.209	149.206
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	815	1	104348.	4.398	157.043
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	815	1	103998.	4.383	156.516
21	S1#204	2,6-DIMETHYL PHENOL	122	831	1	83558.	3.521	157.700
22	S2# 27	2,5-DIMETHYL PHENOL	107	883	2	85427.	1.023	157.164
23	S2# 37	3,5-DIMETHYL PHENOL	107	909	2	76689.	0.918	155.357
24	S2# 47	2,3-DIMETHYL PHENOL	107	921	2	81276.	0.973	165.047
25	S2# 57	3,4-DIMETHYL PHENOL	107	941	1	95786.	4.037	142.411
26	S2#150	1-METHYLNAPHTHALENE	142	1098	2	196951.	2.358	164.136

6/1/88 17:52:20 SCAN 1 OF 2800
Acquisition started

02103

Acquire | Run 0:STDU335 | ACQUIRING
06/01/88 17:52:00 + 0:03 | Free sectors: 10838 | Scan: 4 of 2800
Sample: 50 PPM PYRIDINE STD
Conds.:
Formula: | 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: 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 | 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

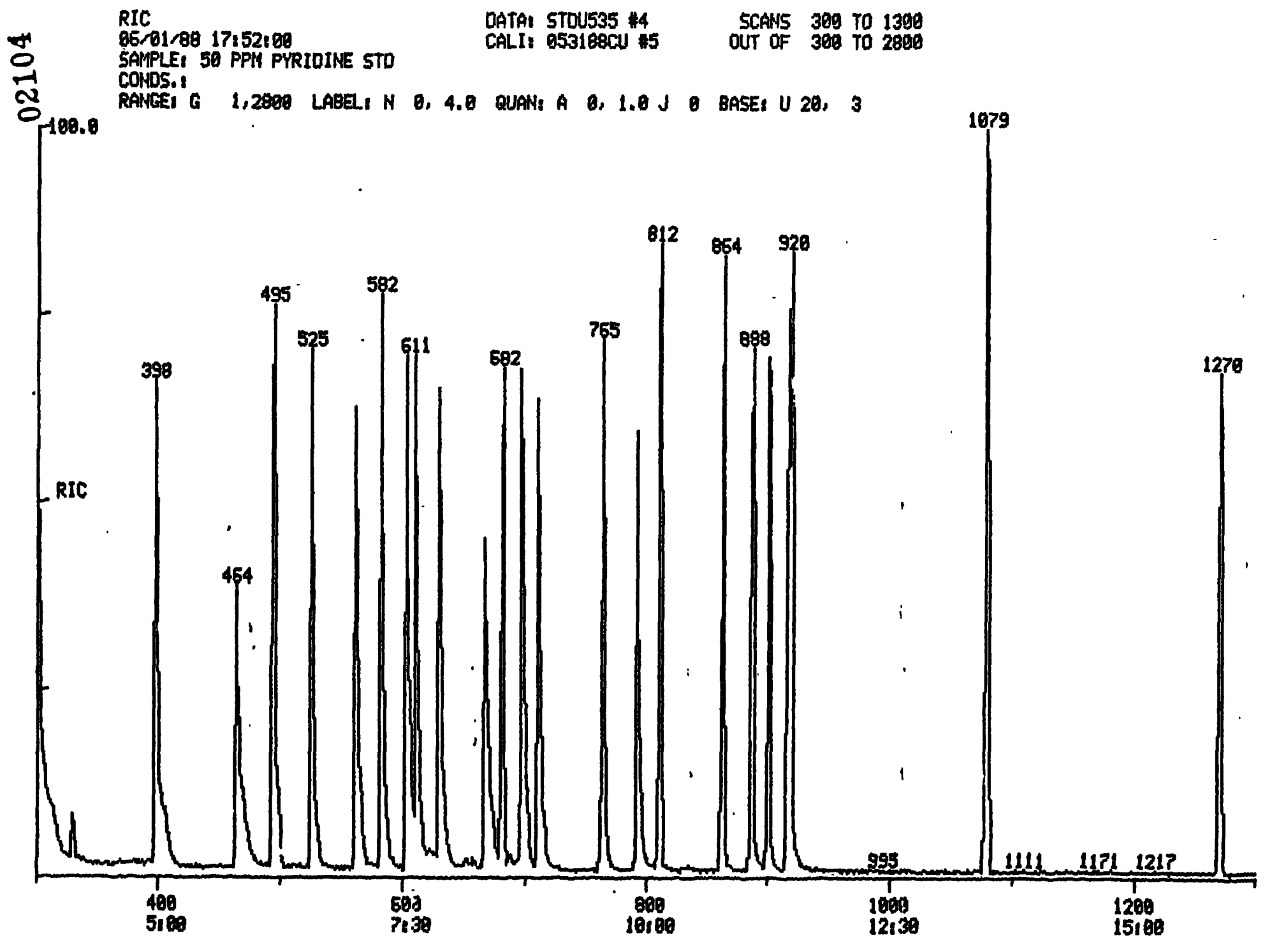
Min Peak Width: 3 | Min Frag Width %: 80 | Min Area: 30
ADC Threshold: 1 | Baseline: 0

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

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	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 18:27:21
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	145.7	2100.0	6.9	21855.	8. 10.


RIC
06/01/88 17:52:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
DATA: STDU535 #4
CALI: 053188CU #5
SCANS 300 TO 1300
OUT OF 300 TO 2800
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
02104
100.0
RIC
398
464
495
525
582
611
682
755
812
864
888
920
995
1079
1111
1171
1217
1270
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

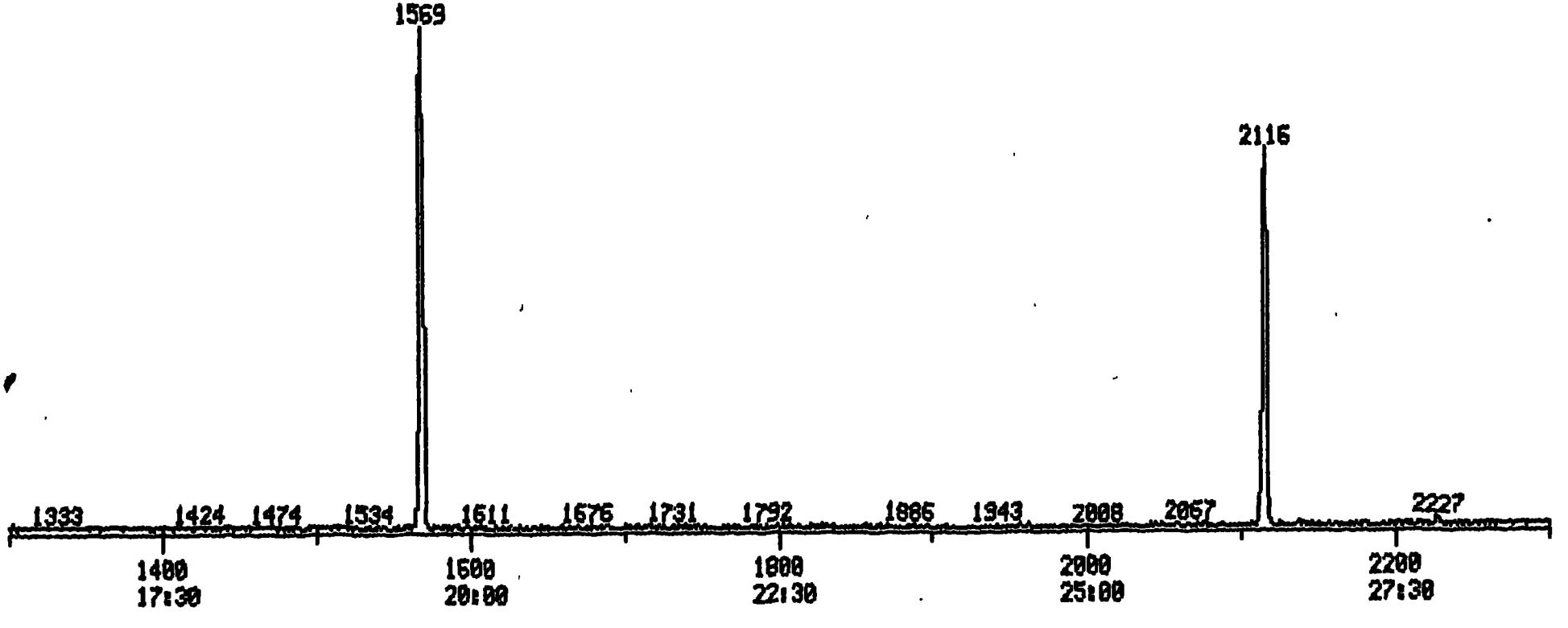
02105

RIC
06/01/88 17:52:00
SAMPLE: 50 PPM PYRIDINE STD
CONDS.:
RANGE: G 1,2000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU535 #4
CALI: 053188CU #5

SCANS 1300 TO 2300
OUT OF 300 TO 2800

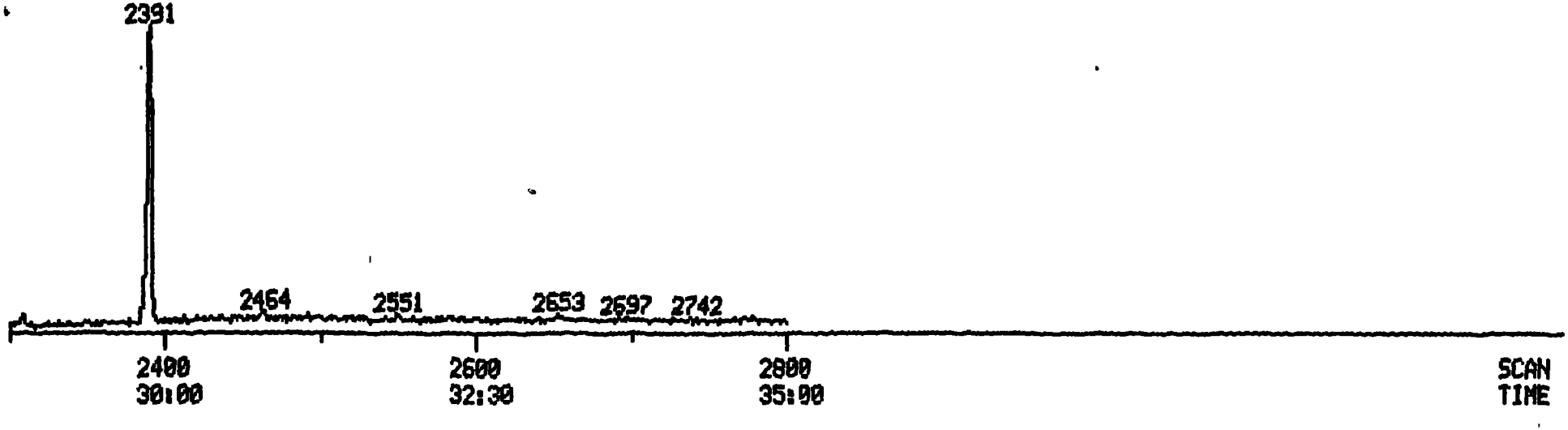
100.0



02106

RIC DATA: STDU535 #4 SCANS 2300 TO 2800
06/01/88 17:52:00 CALI: 053188CU #5 OUT OF 300 TO 2800
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

100.0 46464.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 12:37:40
DATA FILE: STDU535
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	27	ISO1/TC01
3	3	1	0	14	14	1	42	ISO2/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	-681	682	682	.	1	974	.	152	682	.	1
2	S1	4	-300	300	300	.	1	989	.	84	300	.	1
3	S1	20	-302	302	302	.	1	990	.	79	302	.	1
4	S1	30	-398	398	398	.	1	989	.	93	398	.	1
5	S1	62	-464	464	464	.	1	981	.	93	464	.	1
6	S1	64	-495	495	495	.	1	987	.	107	495	.	1
7	S1	73	-525	525	525	.	1	997	.	106	525	.	1
8	S1	83	-562	562	562	.	1	992	.	107	562	.	1
9	S1	87	-582	582	582	.	1	989	.	107	582	.	1
10	S1	88	-603	603	603	.	2	993	.	107	603	.	1
11	S1	89	-611	611	611	.	2	982	.	107	611	.	1
12	S1	92	-630	630	630	.	2	988	.	107	630	.	1
13	S1	122	-667	667	667	.	2	995	.	107	667	.	1
14	S2	1	-916	917	917	.	1	994	.	136	917	.	1
15	S3	1	-1269	1270	1270	.	1	997	.	164	1270	.	1
16	S1	137	-697	697	697	.	1	989	.	106	697	.	1
17	S1	142	-711	711	711	.	1	958	.	106	711	.	1
18	S1	187	-765	765	765	.	1	921	.	108	765	.	1
19	S1	203	-792	792	792	.	1	989	.	106	792	.	1
20	S1	202	-792	792	792	.	1	989	.	106	792	.	1
21	S1	204	-812	812	812	.	1	987	.	122	812	.	1
22	S2	27	-864	864	864	.	1	994	.	107	864	.	1
23	S2	37	-888	888	888	.	1	991	.	107	888	.	1
24	S2	47	-901	901	901	.	1	991	.	107	901	.	1
25	S2	57	-920	920	920	.	1	992	.	107	920	.	1
26	S2	150	-1079	1079	1079	.	1	991	.	142	1079	.	1

Quantitation Report File: STDU535

Data: STDU535.TI
06/01/88 17:52:00
Sample: 50 PPM PYRIDINE STD
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	152IS1# 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	136IS2# 01	1146-65-2
15	CI50 ACENAPHTHENE-D10	164IS3# 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	682	8:31	1	1.000	A BB	11059.	40.000 UG/ML	3.18
2	84	300	3:45	1	0.440	A BV	21488.	47.928 UG/ML	3.81
3	79	302	3:46	1	0.443	A BB	19880.	44.433 UG/ML	3.53
4	93	398	4:58	1	0.584	A BB	21100.	50.000 UG/ML	3.97
5	93	464	5:48	1	0.680	A BB	18506.	50.000 UG/ML	3.97
6	107	495	6:11	1	0.726	A BB	25454.	50.000 UG/ML	3.97
7	106	525	6:34	1	0.770	A BB	29441.	50.000 UG/ML	3.97
8	107	562	7:01	1	0.824	A BB	18998.	50.000 UG/ML	3.97
9	107	582	7:16	1	0.853	A BB	21885.	50.000 UG/ML	3.97
10	107	603	7:32	1	0.884	A BV	16778.	50.000 UG/ML	3.97
11	107	611	7:38	1	0.896	A VB	13745.	50.000 UG/ML	3.97
12	107	630	7:52	1	0.924	A BB	16652.	50.000 UG/ML	3.97
13	107	667	8:20	1	0.978	A BB	18471.	50.000 UG/ML	3.97
14	136	917	11:28	14	1.000	A BB	39890.	40.000 UG/ML	3.18
15	164	1270	15:52	15	1.000	A BB	18793.	40.000 UG/ML	3.18
16	106	697	8:43	1	1.022	A BB	26460.	50.000 UG/ML	3.97
17	106	711	8:53	1	1.043	A BB	17501.	50.000 UG/ML	3.97

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
18	108	765	9:34	1	1.122	A BB	18553.	50.000 UG/ML	3.97
19	106	792	9:54	1	1.161	A BB	16576.	50.000 UG/ML	3.97
20	106	792	9:54	1	1.161	A BB	16576.	50.000 UG/ML	3.97
21	122	812	10:09	1	1.191	A BB	16181.	50.000 UG/ML	3.97
22	107	864	10:48	14	0.942	A BB	16866.	50.000 UG/ML	3.97
23	107	888	11:06	14	0.968	A BB	16952.	50.000 UG/ML	3.97
24	107	901	11:16	14	0.983	A VB	17376.	50.000 UG/ML	3.97
25	107	920	11:30	1	1.349	A BB	21319.	45.663 UG/ML	3.63
26	142	1079	13:29	14	1.177	A BB	33058.	50.000 UG/ML	3.97

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	3:45	1.00	0.440	1.00	47.93	50.00	1.554	1.622	0.96
3	3:46	1.00	0.443	1.00	44.43	50.00	1.438	1.618	0.89
4	4:58	1.00	0.584	1.00	50.00	50.00	1.526	1.526	1.00
5	5:48	1.00	0.680	1.00	50.00	50.00	1.339	1.339	1.00
6	6:11	1.00	0.726	1.00	50.00	50.00	1.841	1.841	1.00
7	6:34	1.00	0.770	1.00	50.00	50.00	2.130	2.130	1.00
8	7:01	1.00	0.824	1.00	50.00	50.00	1.374	1.374	1.00
9	7:16	1.00	0.853	1.00	50.00	50.00	1.583	1.583	1.00
10	7:32	1.00	0.884	1.00	50.00	50.00	1.214	1.214	1.00
11	7:38	1.00	0.896	1.00	50.00	50.00	0.994	0.994	1.00
12	7:52	1.00	0.924	1.00	50.00	50.00	1.205	1.205	1.00
13	8:20	1.00	0.978	1.00	50.00	50.00	1.336	1.336	1.00
14	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:43	1.00	1.022	1.00	50.00	50.00	1.914	1.914	1.00
17	8:53	1.00	1.043	1.00	50.00	50.00	1.266	1.266	1.00
18	9:34	1.00	1.122	1.00	50.00	50.00	1.342	1.342	1.00
19	9:54	1.00	1.161	1.00	50.00	50.00	1.199	1.199	1.00
20	9:54	1.00	1.161	1.00	50.00	50.00	1.199	1.199	1.00
21	10:09	1.00	1.191	1.00	50.00	50.00	1.171	1.171	1.00
22	10:48	1.00	0.942	1.00	50.00	50.00	0.338	0.338	1.00
23	11:06	1.00	0.968	1.00	50.00	50.00	0.340	0.340	1.00
24	11:16	1.00	0.983	1.00	50.00	50.00	0.348	0.348	1.00
25	11:30	1.00	1.349	1.00	45.66	50.00	1.542	1.689	0.91
26	13:29	1.00	1.177	1.00	50.00	50.00	0.663	0.663	1.00

TCA FINISHED. 26 FOUND
FINISHED AT: 6/02/88 12:40:38

02110

RMAL QUANTITATION SUMMARY FILE: STDU535
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	11059.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	39890.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1270	3	18793.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	300	1	21488.	1.554	47.928
5	S1# 20	PYRIDINE	79	302	1	19880.	1.438	44.433
6	S1# 30	2-PICOLINE	93	398	1	21100.	1.526	50.000
7	S1# 62	3 & 4-PICOLINE	93	464	1	18506.	1.339	50.000
8	S1# 64	2,6-LUTIDINE	107	495	1	25454.	1.841	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	29441.	2.130	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	562	1	18998.	1.374	50.000
11	S1# 87	2,3-LUTIDINE	107	582	1	21885.	1.583	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	603	1	16778.	1.214	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	611	1	13745.	0.994	50.000
14	S1# 92	3,5-LUTIDINE	107	630	1	16652.	1.205	50.000
15	S1#122	3,4-LUTIDINE	107	667	1	18471.	1.336	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	697	1	26460.	1.914	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	711	1	17501.	1.266	50.000
18	S1#187	M AND P CRESOLS	108	765	1	18553.	1.342	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	792	1	16576.	1.199	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	792	1	16576.	1.199	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	812	1	16181.	1.171	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	864	2	16866.	0.338	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	888	2	16952.	0.340	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	901	2	17376.	0.348	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	920	1	21319.	1.542	45.663
26	S2#150	1-METHYLNAPHTHALENE	142	1079	2	33058.	0.663	50.000

Quantitation Report File: STDU535

Data: STDU535.TI
06/01/88 17:52:00
Sample: 50 PPM PYRIDINE STD
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	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	682	8:31	1	1.000	A BB	11059.	40.000 UG/ML	3.15
2	136	917	11:28	2	1.000	A BB	39890.	40.000 UG/ML	3.15
3	164	1270	15:52	3	1.000	A BB	18793.	40.000 UG/ML	3.15
4	84	300	3:45	1	0.440	A BV	21488.	50.000 UG/ML	3.94
5	79	302	3:46	1	0.443	A BB	19880.	50.000 UG/ML	3.94
6	93	398	4:58	1	0.584	A BB	21100.	50.000 UG/ML	3.94
7	93	464	5:48	1	0.680	A BB	18506.	50.000 UG/ML	3.94
8	107	495	6:11	1	0.726	A BB	25454.	50.000 UG/ML	3.94
9	106	525	6:34	1	0.770	A BB	29441.	50.000 UG/ML	3.94
10	107	562	7:01	1	0.824	A BB	18998.	50.000 UG/ML	3.94
11	107	582	7:16	1	0.853	A BB	21885.	50.000 UG/ML	3.94
12	107	603	7:32	1	0.884	A BV	16778.	50.000 UG/ML	3.94
13	107	611	7:38	1	0.896	A VB	13745.	50.000 UG/ML	3.94
14	107	630	7:52	1	0.924	A BB	16652.	50.000 UG/ML	3.94
15	107	667	8:20	1	0.978	A BB	18471.	50.000 UG/ML	3.94
16	106	697	8:43	1	1.022	A BB	26460.	50.000 UG/ML	3.94
17	106	711	8:53	1	1.043	A BB	17501.	50.000 UG/ML	3.94

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	765	9:34	1	1.122	A BB	18553.	50.000	UG/ML	3.94
19	106	792	9:54	1	1.161	A BB	16576.	50.000	UG/ML	3.94
20	106	792	9:54	1	1.161	A BB	16576.	50.000	UG/ML	3.94
21	122	812	10:09	1	1.191	A BB	16181.	50.000	UG/ML	3.94
22	107	864	10:48	2	0.942	A BB	16866.	50.000	UG/ML	3.94
23	107	888	11:06	2	0.968	A BB	16952.	50.000	UG/ML	3.94
24	107	901	11:16	2	0.983	A VB	17376.	50.000	UG/ML	3.94
25	107	920	11:30	1	1.349	A BB	21319.	50.000	UG/ML	3.94
26	142	1079	13:29	2	1.177	A BB	33058.	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	3:45	1.00	0.440	1.00	50.00	50.00	1.554	1.554	1.00
5	3:46	1.00	0.443	1.00	50.00	50.00	1.438	1.438	1.00
6	4:58	1.00	0.584	1.00	50.00	50.00	1.526	1.526	1.00
7	5:48	1.00	0.680	1.00	50.00	50.00	1.339	1.339	1.00
8	6:11	1.00	0.726	1.00	50.00	50.00	1.841	1.841	1.00
9	6:34	1.00	0.770	1.00	50.00	50.00	2.130	2.130	1.00
10	7:01	1.00	0.824	1.00	50.00	50.00	1.374	1.374	1.00
11	7:16	1.00	0.853	1.00	50.00	50.00	1.583	1.583	1.00
12	7:32	1.00	0.884	1.00	50.00	50.00	1.214	1.214	1.00
13	7:38	1.00	0.896	1.00	50.00	50.00	0.994	0.994	1.00
14	7:52	1.00	0.924	1.00	50.00	50.00	1.205	1.205	1.00
15	8:20	1.00	0.978	1.00	50.00	50.00	1.336	1.336	1.00
16	8:43	1.00	1.022	1.00	50.00	50.00	1.914	1.914	1.00
17	8:53	1.00	1.043	1.00	50.00	50.00	1.266	1.266	1.00
18	9:34	1.00	1.122	1.00	50.00	50.00	1.342	1.342	1.00
19	9:54	1.00	1.161	1.00	50.00	50.00	1.199	1.199	1.00
20	9:54	1.00	1.161	1.00	50.00	50.00	1.199	1.199	1.00
21	10:09	1.00	1.191	1.00	50.00	50.00	1.171	1.171	1.00
22	10:48	1.00	0.942	1.00	50.00	50.00	0.338	0.338	1.00
23	11:06	1.00	0.968	1.00	50.00	50.00	0.340	0.340	1.00
24	11:16	1.00	0.983	1.00	50.00	50.00	0.348	0.348	1.00
25	11:30	1.00	1.349	1.00	50.00	50.00	1.542	1.542	1.00
26	13:29	1.00	1.177	1.00	50.00	50.00	0.663	0.663	1.00

02113

RMAL QUANTITATION SUMMARY FILE: STDU333
COMPOUNDS WITH AMOUNTS LESS THAN 1.00 REPORTED AS NOT FOUND

NO	LIBRARY ENTRY	NAME	MASS	SCAN	REF	AREA	RRF	UNITS: UG/M AMOUNT
1	S1# 1	CI30 1,4-DICHLOROBENZENE	152	682	1	11059.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	39890.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1270	3	18793.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	300	1	21488.	1.554	50.000
5	S1# 20	PYRIDINE	79	302	1	19880.	1.438	50.000
6	S1# 30	2-PICOLINE	93	398	1	21100.	1.526	50.000
7	S1# 62	3 & 4-PICOLINE	93	464	1	18506.	1.339	50.000
8	S1# 64	2,6-LUTIDINE	107	495	1	25454.	1.841	50.000
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	29441.	2.130	50.000
10	S1# 83	2,4 & 2,5-LUTIDINE	107	562	1	18998.	1.374	50.000
11	S1# 87	2,3-LUTIDINE	107	582	1	21885.	1.583	50.000
12	S1# 88	3-ETHYL PYRIDINE	107	603	1	16778.	1.214	50.000
13	S1# 89	4-ETHYL PYRIDINE	107	611	1	13745.	0.994	50.000
14	S1# 92	3,5-LUTIDINE	107	630	1	16652.	1.205	50.000
15	S1#122	3,4-LUTIDINE	107	667	1	18471.	1.336	50.000
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	697	1	26460.	1.914	50.000
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	711	1	17501.	1.266	50.000
18	S1#187	M AND P CRESOLS	108	765	1	18553.	1.342	50.000
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	792	1	16576.	1.199	50.000
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	792	1	16576.	1.199	50.000
21	S1#204	2,6-DIMETHYL PHENOL	122	812	1	16181.	1.171	50.000
22	S2# 27	2,5-DIMETHYL PHENOL	107	864	2	16866.	0.338	50.000
23	S2# 37	3,5-DIMETHYL PHENOL	107	888	2	16952.	0.340	50.000
24	S2# 47	2,3-DIMETHYL PHENOL	107	901	2	17376.	0.348	50.000
25	S2# 57	3,4-DIMETHYL PHENOL	107	920	1	21319.	1.542	50.000
26	S2#150	1-METHYLNAPHTHALENE	142	1079	2	33058.	0.663	50.000

6/1/88 19:15:23 SCAN 1 OF 2800
Acquisition started

02114

Acquire | Run 0: STDU536 | ACQUIRING
06/01/88 19:15:00 + 0:03 | Free sectors: 10561 | Scan: 4 of 2800
Sample: 20 PPM PYRIDINES STD
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. 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 | 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

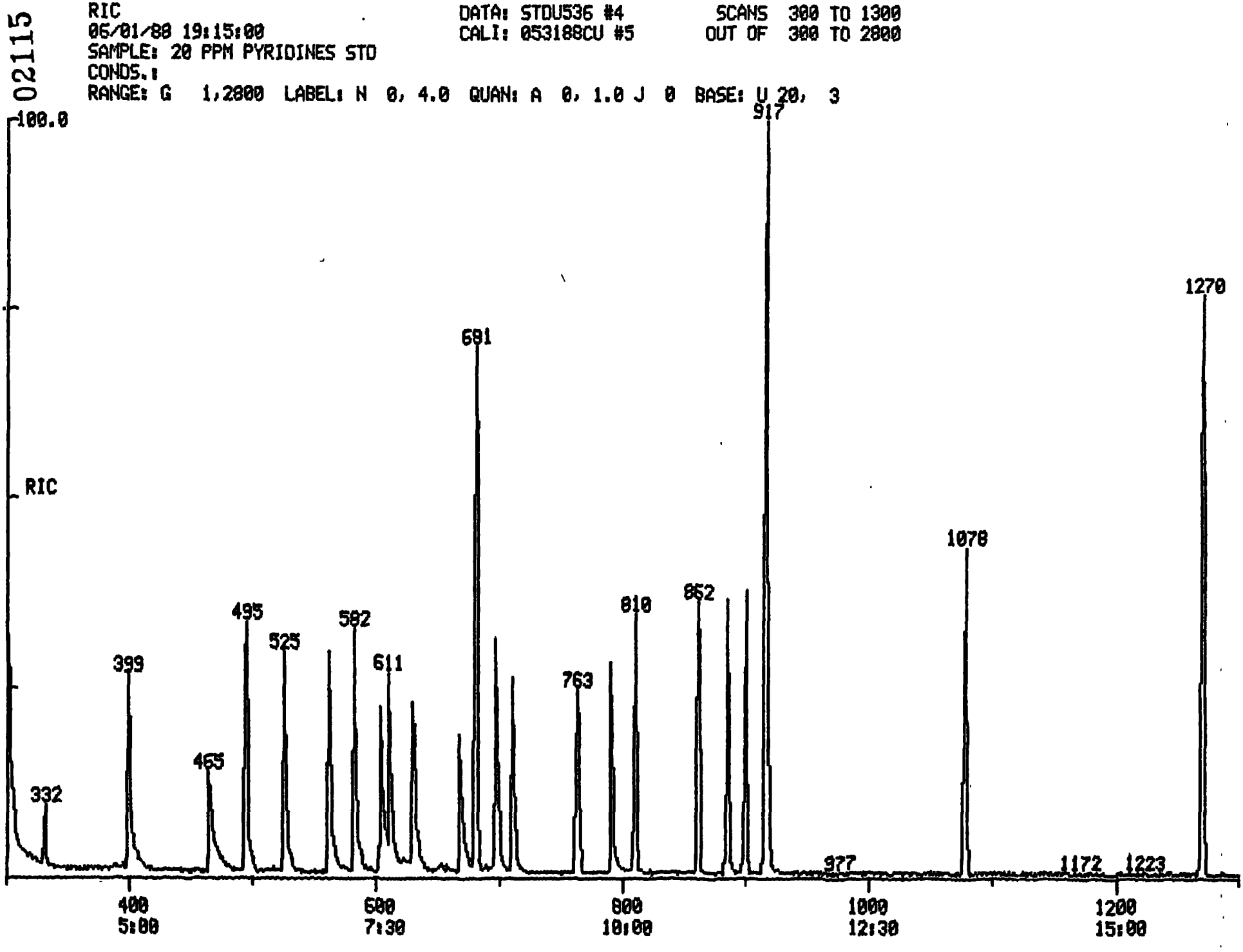
Min Peak Width: 3 | Min Frag Width %: 80 | Min Area: 30
ADC Threshold: 1 | Baseline: 0

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

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	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 19:50:26
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

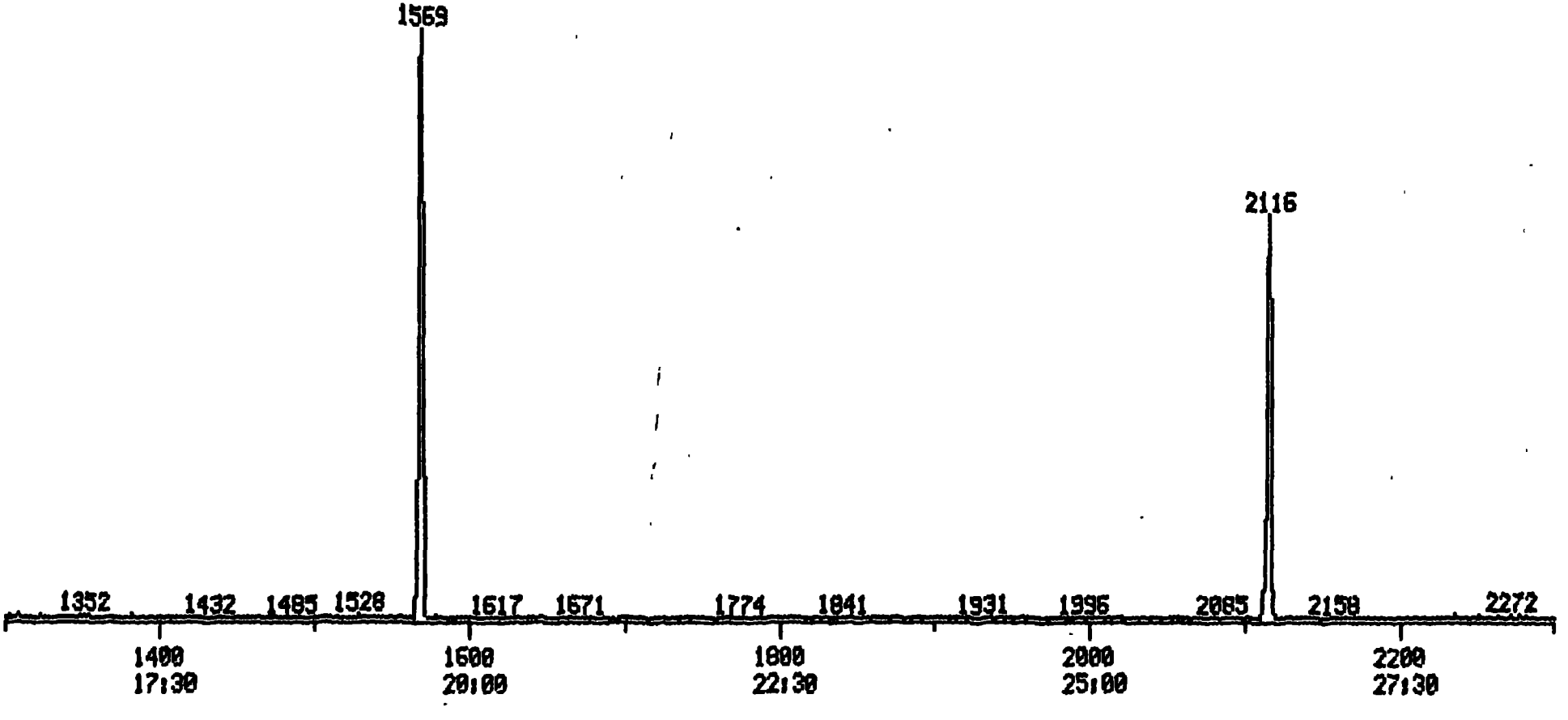
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	138.5	2100.0	6.6	18719.	7. 9.


RIC
06/01/88 19:15:00
SAMPLE: 20 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDU536 #4
CALI: 053188CU #5
SCANS 300 TO 1300
OUT OF 300 TO 2800
02115
100.0
RIC
332
399
465
495
525
582
611
681
763
810
862
917
977
1078
1172
1223
1270
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

02116

RIC DATA: STDU536 #4 SCANS 1300 TO 2300
06/01/88 19:15:00 CALI: 053188CU #5 OUT OF 300 TO 2800
SAMPLE: 20 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

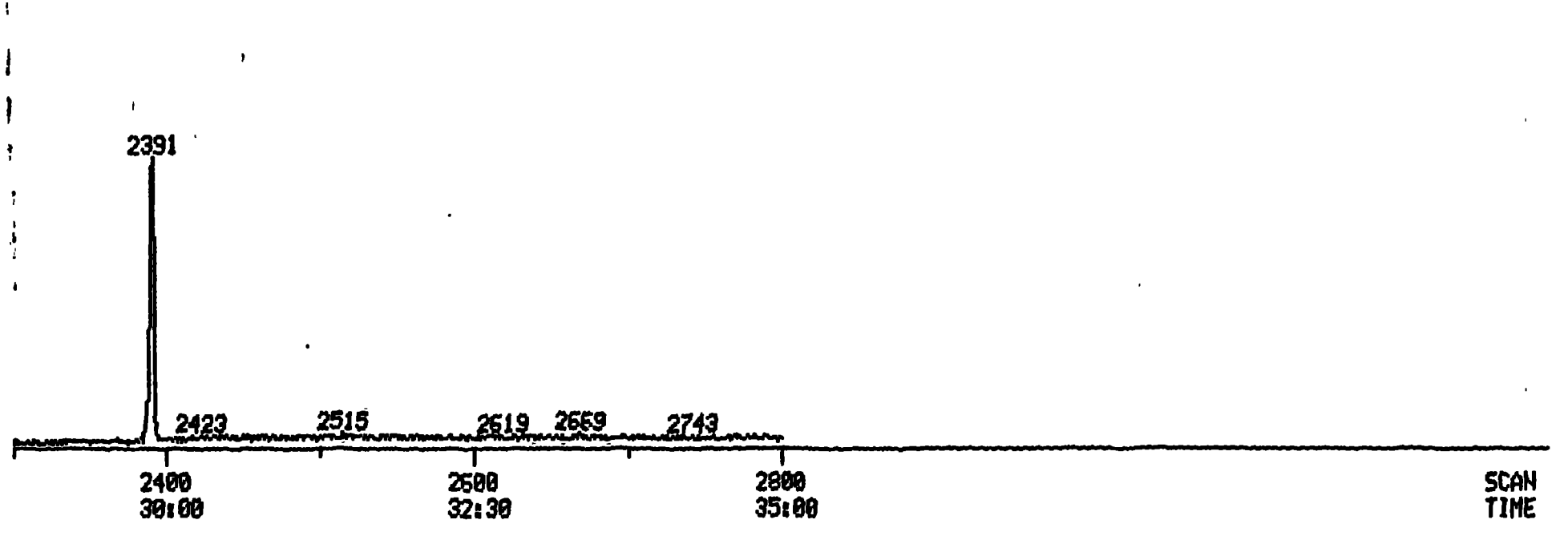
100.0



021117

RIC DATA: STDU536 #4 SCANS 2300 TO 2800
06/01/88 19:15:00 CALI: 053188CU #5 OUT OF 300 TO 2800
SAMPLE: 20 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0 50496.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 12:42:11
DATA FILE: STDU536
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	1	0	13	13	32	55	IS01/TC01
3	3	1	49	14	14	1	112	IS02/TC02

26 COMPOUNDS PROCESSED, 26 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	-681	681	681	.	1	961	.	152	681	.	1
2	S1	4	-300	302	302	.	1	976	.	84	302	.	1
3	S1	20	-302	304	304	.	2	973	.	79	305	1	1
4	S1	30	-398	399	399	.	1	991	.	93	399	.	1
5	S1	62	-464	465	465	.	1	986	.	93	465	.	1
6	S1	64	-495	496	495	-1	1	986	.	107	495	.	1
7	S1	73	-525	526	525	-1	1	995	.	106	525	.	1
8	S1	83	-562	562	562	.	1	994	.	107	562	.	1
9	S1	87	-582	582	582	.	2	993	.	107	582	.	1
10	S1	88	-603	603	604	1	2	984	.	107	604	.	1
11	S1	89	-611	611	611	.	2	987	.	107	611	.	1
12	S1	92	-630	630	630	.	2	995	.	107	630	.	1
13	S1	122	-667	667	668	1	1	986	.	107	668	.	1
14	S2	1	-916	917	917	.	1	996	.	136	917	.	1
15	S3	1	-1269	1270	1270	.	1	994	.	164	1270	.	1
16	S1	137	-697	696	697	1	1	989	.	106	697	.	1
17	S1	142	-711	710	710	.	1	967	.	106	710	.	1
18	S1	187	-765	764	763	-1	1	923	.	108	763	.	1
19	S1	203	-792	791	790	-1	1	995	.	106	790	.	1
20	S1	202	-792	791	790	-1	1	995	.	106	790	.	1
21	S1	204	-812	811	810	-1	1	991	.	122	810	.	1
22	S2	27	-864	863	862	-1	1	992	.	107	862	.	1
23	S2	37	-888	887	886	-1	1	991	.	107	886	.	1
24	S2	47	-901	900	900	.	1	991	.	107	900	.	1
25	S2	57	-920	919	918	-1	1	987	.	107	918	.	1
26	S2	150	-1079	1078	1078	.	1	983	.	142	1078	.	1

Quantitation Report File: STDU536

02120

Data: STDU536.TI
06/01/88 19:15:00
Sample: 20 PPM PYRIDINES STD
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	C130 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	C140 NAPHTHALENE-D8	136	IS2# 01	1146-65-2
15	C150 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	12754.	40.000 UG/ML	7.09
2	84	302	3:46	1	0.443	A BB	9178.	17.750 UG/ML	3.15
3	79	305	3:49	1	0.448	A BB	7393.	14.328 UG/ML	2.54
4	93	399	4:59	1	0.586	A BB	9000.	18.492 UG/ML	3.28
5	93	465	5:49	1	0.683	A BB	7340.	17.197 UG/ML	3.05
6	107	495	6:11	1	0.727	A BB	11281.	19.215 UG/ML	3.41
7	106	525	6:34	1	0.771	A BB	13576.	19.992 UG/ML	3.54
8	107	562	7:01	1	0.825	A BB	9799.	22.362 UG/ML	3.96
9	107	582	7:16	1	0.855	A BB	10585.	20.969 UG/ML	3.72
10	107	604	7:33	1	0.887	A BV	6624.	17.116 UG/ML	3.03
11	107	611	7:38	1	0.897	A VB	6058.	19.109 UG/ML	3.39
12	107	630	7:52	1	0.925	A BB	7115.	18.525 UG/ML	3.28
13	107	668	8:21	1	0.981	A BB	5955.	13.978 UG/ML	2.48
14	136	917	11:28	14	1.000	A BB	46951.	40.000 UG/ML	7.09
15	164	1270	15:52	15	1.000	A BB	22102.	40.000 UG/ML	7.09
16	106	697	8:43	1	1.023	A BB	12125.	19.867 UG/ML	3.52
17	106	710	8:52	1	1.043	A BB	7910.	19.596 UG/ML	3.47

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	763	9:32	1	1.120	A BB	8197.	19.155	UG/ML	3.40
19	106	790	9:52	1	1.160	A BB	9277.	24.264	UG/ML	4.30
20	106	790	9:52	1	1.160	A BB	9277.	24.264	UG/ML	4.30
21	122	810	10:07	1	1.189	A BB	7458.	19.983	UG/ML	3.54
22	107	862	10:46	14	0.940	A BB	7567.	19.059	UG/ML	3.38
23	107	886	11:04	14	0.966	A BB	7923.	19.854	UG/ML	3.52
24	107	900	11:15	14	0.981	A BB	8047.	19.674	UG/ML	3.49
25	107	918	11:28	1	1.348	A BV	9892.	18.372	UG/ML	3.26
26	142	1078	13:28	14	1.176	A BB	16334.	20.990	UG/ML	3.72

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	3:45	1.01	0.440	1.01	17.75	50.00	0.576	1.622	0.36
3	3:46	1.01	0.443	1.01	14.33	50.00	0.464	1.618	0.29
4	4:58	1.00	0.584	1.00	18.49	50.00	0.565	1.526	0.37
5	5:48	1.00	0.680	1.00	17.20	50.00	0.460	1.339	0.34
6	6:11	1.00	0.726	1.00	19.21	50.00	0.708	1.841	0.38
7	6:34	1.00	0.770	1.00	19.99	50.00	0.852	2.130	0.40
8	7:01	1.00	0.824	1.00	22.36	50.00	0.615	1.374	0.45
9	7:16	1.00	0.853	1.00	20.97	50.00	0.664	1.583	0.42
10	7:32	1.00	0.884	1.00	17.12	50.00	0.415	1.214	0.34
11	7:38	1.00	0.896	1.00	19.11	50.00	0.380	0.994	0.38
12	7:52	1.00	0.924	1.00	18.53	50.00	0.446	1.205	0.37
13	8:20	1.00	0.978	1.00	13.98	50.00	0.374	1.336	0.28
14	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:43	1.00	1.022	1.00	19.87	50.00	0.761	1.914	0.40
17	8:53	1.00	1.043	1.00	19.60	50.00	0.496	1.266	0.39
18	9:34	1.00	1.122	1.00	19.15	50.00	0.514	1.342	0.38
19	9:54	1.00	1.161	1.00	24.26	50.00	0.582	1.199	0.49
20	9:54	1.00	1.161	1.00	24.26	50.00	0.582	1.199	0.49
21	10:09	1.00	1.191	1.00	19.98	50.00	0.468	1.171	0.40
22	10:48	1.00	0.942	1.00	19.06	50.00	0.129	0.338	0.38
23	11:06	1.00	0.968	1.00	19.85	50.00	0.135	0.340	0.40
24	11:16	1.00	0.983	1.00	19.67	50.00	0.137	0.348	0.39
25	11:30	1.00	1.349	1.00	18.37	50.00	0.620	1.689	0.37
26	13:29	1.00	1.177	1.00	20.99	50.00	0.278	0.663	0.42

TCA FINISHED, 26 FOUND
FINISHED AT: 6/02/88 12:45:01

02122

RMAL QUANTITATION SUMMARY FILE: STDU536
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	681	1	12754.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	46951.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1270	3	22102.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	302	1	9178.	0.576	17.750
5	S1# 20	PYRIDINE	79	305	1	7393.	0.464	14.328
6	S1# 30	2-PICOLINE	93	399	1	9000.	0.565	18.492
7	S1# 62	3 & 4-PICOLINE	93	465	1	7340.	0.460	17.197
8	S1# 64	2,6-LUTIDINE	107	495	1	11281.	0.708	19.215
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	13576.	0.852	19.992
10	S1# 83	2,4 & 2,5-LUTIDINE	107	562	1	9799.	0.615	22.362
11	S1# 87	2,3-LUTIDINE	107	582	1	10585.	0.664	20.969
12	S1# 88	3-ETHYL PYRIDINE	107	604	1	6624.	0.415	17.116
13	S1# 89	4-ETHYL PYRIDINE	107	611	1	6058.	0.380	19.109
14	S1# 92	3,5-LUTIDINE	107	630	1	7115.	0.446	18.525
15	S1#122	3,4-LUTIDINE	107	668	1	5955.	0.374	13.978
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	697	1	12125.	0.761	19.867
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	710	1	7910.	0.496	19.596
18	S1#187	M AND P CRESOLS	108	763	1	8197.	0.514	19.155
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	790	1	9277.	0.582	24.264
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	790	1	9277.	0.582	24.264
21	S1#204	2,6-DIMETHYL PHENOL	122	810	1	7458.	0.468	19.983
22	S2# 27	2,5-DIMETHYL PHENOL	107	862	2	7567.	0.129	19.059
23	S2# 37	3,5-DIMETHYL PHENOL	107	886	2	7923.	0.135	19.854
24	S2# 47	2,3-DIMETHYL PHENOL	107	900	2	8047.	0.137	19.674
25	S2# 57	3,4-DIMETHYL PHENOL	107	918	1	9892.	0.620	18.372
26	S2#150	1-METHYLNAPHTHALENE	142	1078	2	16334.	0.278	20.990

02123

6/1/88 20:01:24 SCAN 1 OF 2800
Acquisition started

Acquire | Run 0:STDU537 | ACQUIRING
06/01/88 20:01:00 + 0:03 | Free sectors: 10308 | Scan: 4 of 2800
Sample: 80 PPM PYRIDINES STD
Conds.:
Formula: | 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: 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 | 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

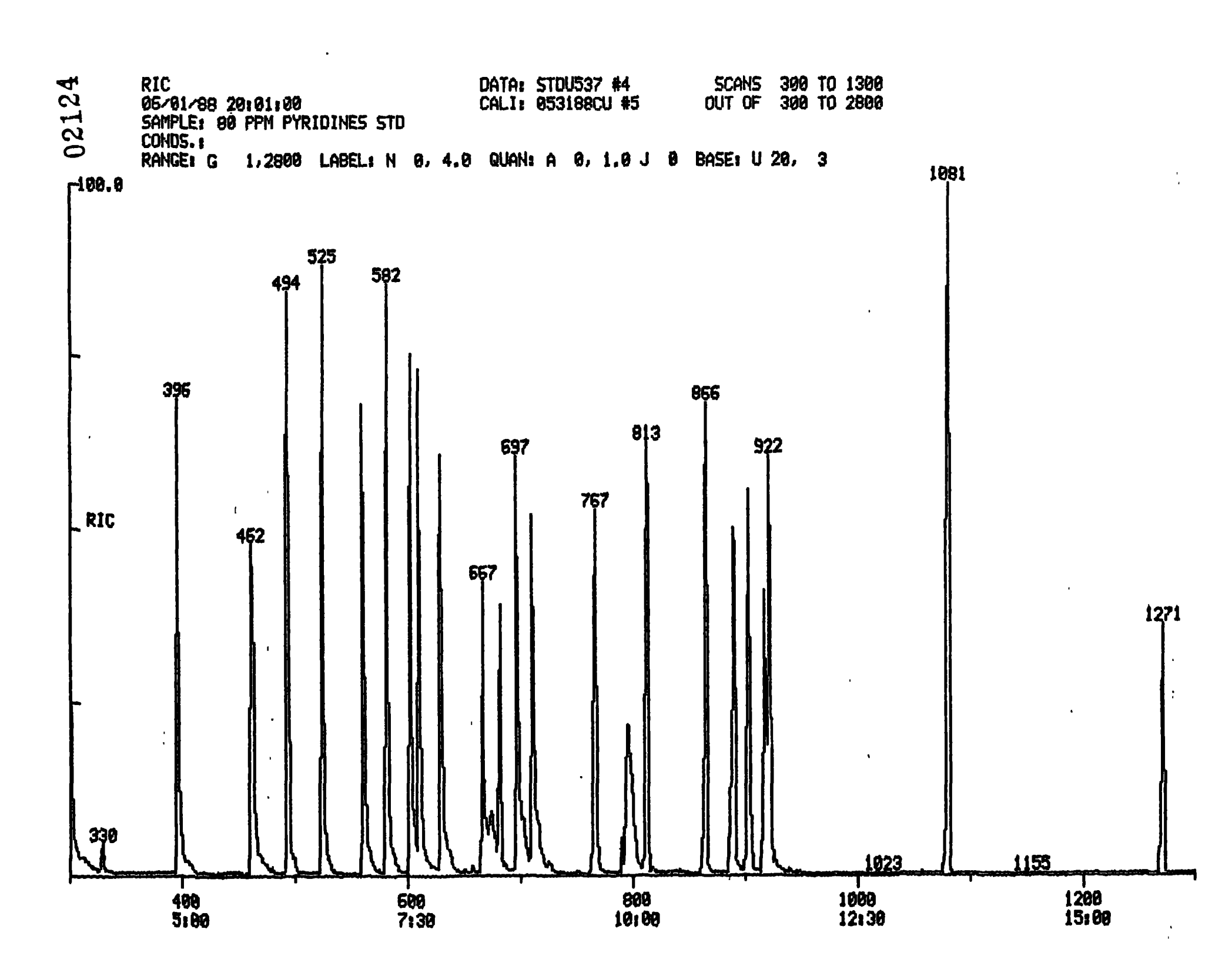
Min Peak Width: 3 | Min Frag Width %: 80 | Min Area: 30
ADC Threshold: 1 | Baseline: 0

***** Mode: Centroid positive ion + RI (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	

6/1/88 20:36:27
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	144.2	2100.0	6.9	24942.	9. 12.


02124
RIC
06/01/88 20:01:00
SAMPLE: 80 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDU537 #4
CALI: 053188CU #5
SCANS 300 TO 1300
OUT OF 300 TO 2800
100.0
RIC
330
396
462
494
525
582
657
697
767
813
866
922
1023
1081
1155
1271
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

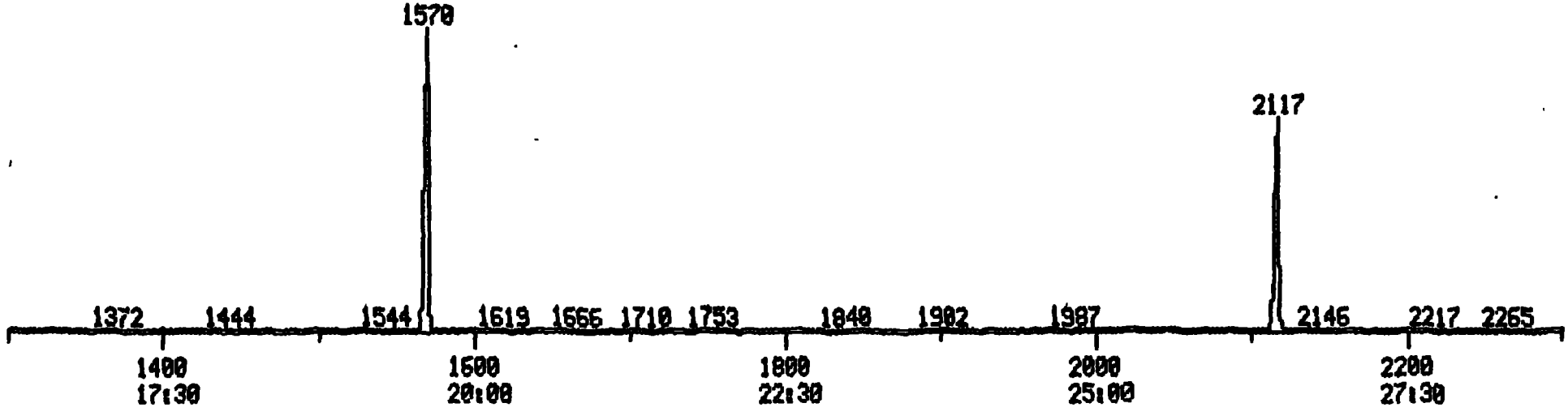
02125

RIC
06/01/88 20:01:00
SAMPLE: 80 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU537 #4
CALI: 053188CU #5

SCANS 1300 TO 2300
OUT OF 300 TO 2800

100.0



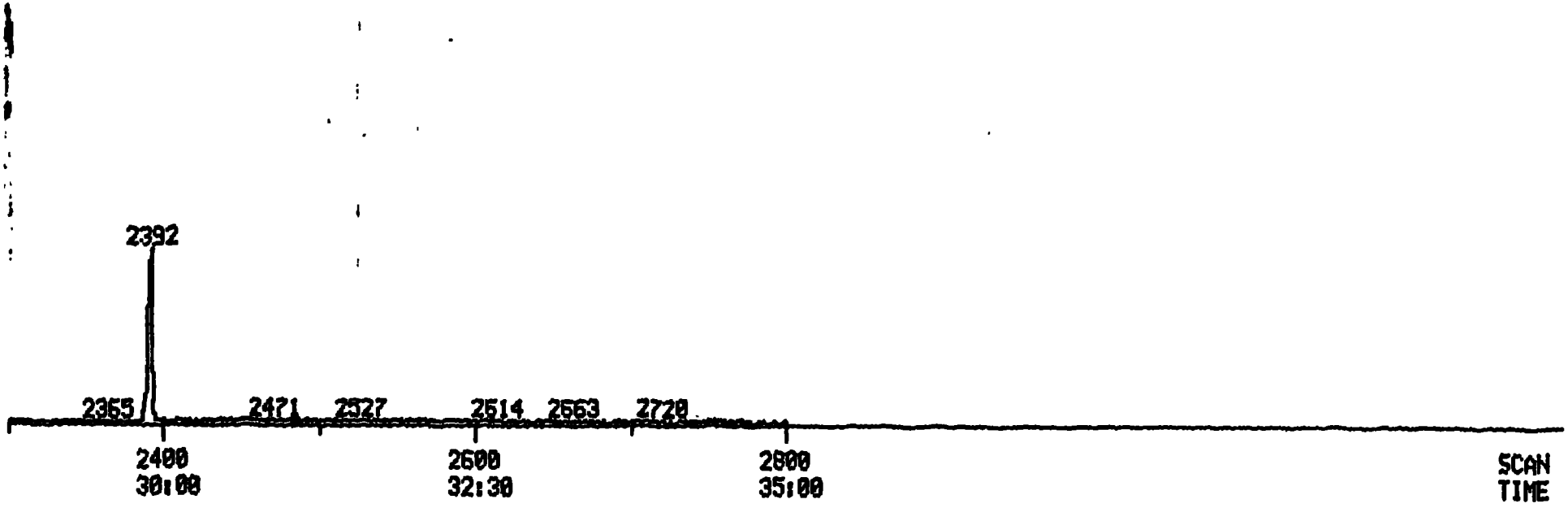
021126

RIC
06/01/88 20:01:00
SAMPLE: 80 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU537 #4 SCANS 2300 TO 2800
CALI: 053188CU #5 OUT OF 300 TO 2800

100.0

148480.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 12:46:36
DATA FILE: STDU537
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3 02127
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	13	13	12	47	ISO1/TC01
3	3	1	49	14	14	4	94	ISO2/TC02

26 COMPOUNDS PROCESSED, 26 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	-681	682	682	.	1	972	.	152	682	.	1
2	S1	4	-300	298	298	.	1	996	.	84	298	.	1
3	S1	20	-302	300	300	.	1	994	.	79	300	.	1
4	S1	30	-398	396	396	.	1	993	.	93	396	.	1
5	S1	62	-464	463	462	-1	1	990	.	93	462	.	1
6	S1	64	-495	494	494	.	1	991	.	107	494	.	1
7	S1	73	-525	524	525	1	1	993	.	106	525	.	1
8	S1	83	-562	562	561	-1	1	994	.	107	561	.	1
9	S1	87	-582	582	582	.	1	989	.	107	582	.	1
10	S1	88	-603	603	603	.	2	990	.	107	603	.	1
11	S1	89	-611	611	611	.	2	982	.	107	611	.	1
12	S1	92	-630	630	630	.	1	988	.	107	630	.	1
13	S1	122	-667	667	667	.	3	988	.	107	667	.	1
14	S2	1	-916	918	918	.	1	995	.	136	918	.	1
15	S3	1	-1269	1271	1271	.	1	992	.	164	1271	.	1
16	S1	137	-697	698	697	-1	1	989	.	106	697	.	1
17	S1	142	-711	712	711	-1	1	964	.	106	711	.	1
18	S1	187	-765	767	767	.	1	923	.	108	767	.	1
19	S1	203	-792	794	795	1	2	991	.	106	795	.	1
20	S1	202	-792	794	795	1	2	991	.	106	795	.	1
21	S1	204	-812	814	813	-1	1	991	.	122	813	.	1
22	S2	27	-864	866	866	.	1	993	.	107	866	.	1
23	S2	37	-888	890	890	.	1	994	.	107	890	.	1
24	S2	47	-901	903	904	1	1	987	.	107	904	.	1
25	S2	57	-920	922	922	.	1	991	.	107	922	.	1
26	S2	150	-1079	1081	1081	.	1	989	.	142	1081	.	1

Quantitation Report (File: STDU537

Data: STDU537.TI
06/01/88 20:01:00
Sample: 80 PPM PYRIDINES STD
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	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	682	8:31	1	1.000	A BB	17498.	40.000 UG/ML	1.86
2	84	298	3:43	1	0.437	A BB	69815.	98.417 UG/ML	4.57
3	79	300	3:45	1	0.440	A BB	57563.	81.312 UG/ML	3.77
4	93	396	4:57	1	0.581	A BB	59034.	88.412 UG/ML	4.10
5	93	462	5:46	1	0.677	A BB	55329.	94.482 UG/ML	4.38
6	107	494	6:10	1	0.724	A BB	69273.	86.001 UG/ML	3.99
7	106	525	6:34	1	0.770	A BV	82932.	89.016 UG/ML	4.13
8	107	561	7:01	1	0.823	A BB	57799.	96.143 UG/ML	4.46
9	107	582	7:16	1	0.853	A BB	64550.	93.206 UG/ML	4.32
10	107	603	7:32	1	0.884	A BV	45657.	85.993 UG/ML	3.99
11	107	611	7:38	1	0.896	A VB	48984.	112.621 UG/ML	5.23
12	107	630	7:52	1	0.924	A BB	52978.	100.535 UG/ML	4.66
13	107	667	8:20	1	0.978	A BV	32700.	55.944 UG/ML	2.60
14	136	918	11:28	14	1.000	A BB	64213.	40.000 UG/ML	1.86
15	164	1271	15:53	15	1.000	A BB	30681.	40.000 UG/ML	1.86
16	106	697	8:43	1	1.022	A BB	66694.	79.651 UG/ML	3.70
17	106	711	8:53	1	1.043	A VV	48070.	86.798 UG/ML	4.03

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	767	9:35	1	1.125	A BB	50987.	86.845	UG/ML	4.03
19	106	795	9:56	1	1.166	A VB	46427.	88.510	UG/ML	4.11
20	106	795	9:56	1	1.166	A VB	46427.	88.510	UG/ML	4.11
21	122	813	10:10	1	1.192	A BB	44977.	87.838	UG/ML	4.08
22	107	866	10:49	14	0.943	A BV	46619.	85.855	UG/ML	3.98
23	107	890	11:07	14	0.969	A BV	46374.	84.971	UG/ML	3.94
24	107	904	11:18	14	0.985	A VB	49480.	88.450	UG/ML	4.10
25	107	922	11:31	1	1.352	A BB	58264.	78.872	UG/ML	3.66
26	142	1081	13:31	14	1.178	A BB	103038.	96.813	UG/ML	4.49

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	3:45	0.99	0.440	0.99	98.42	50.00	3.192	1.622	1.97
3	3:46	0.99	0.443	0.99	81.31	50.00	2.632	1.618	1.63
4	4:58	0.99	0.584	0.99	88.41	50.00	2.699	1.526	1.77
5	5:48	1.00	0.680	1.00	94.48	50.00	2.530	1.339	1.89
6	6:11	1.00	0.726	1.00	86.00	50.00	3.167	1.841	1.72
7	6:34	1.00	0.770	1.00	89.02	50.00	3.792	2.130	1.78
8	7:01	1.00	0.824	1.00	96.14	50.00	2.643	1.374	1.92
9	7:16	1.00	0.853	1.00	93.21	50.00	2.951	1.583	1.86
10	7:32	1.00	0.884	1.00	85.99	50.00	2.087	1.214	1.72
11	7:38	1.00	0.896	1.00	112.62	50.00	2.240	0.994	2.25
12	7:52	1.00	0.924	1.00	100.54	50.00	2.422	1.205	2.01
13	8:20	1.00	0.978	1.00	55.94	50.00	1.495	1.336	1.12
14	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:43	1.00	1.022	1.00	79.65	50.00	3.049	1.914	1.59
17	8:53	1.00	1.043	1.00	86.80	50.00	2.198	1.266	1.74
18	9:34	1.00	1.122	1.00	86.84	50.00	2.331	1.342	1.74
19	9:54	1.00	1.161	1.00	88.51	50.00	2.123	1.199	1.77
20	9:54	1.00	1.161	1.00	88.31	50.00	2.123	1.199	1.77
21	10:09	1.00	1.191	1.00	87.84	50.00	2.056	1.171	1.76
22	10:48	1.00	0.942	1.00	85.86	50.00	0.581	0.338	1.72
23	11:06	1.00	0.968	1.00	84.97	50.00	0.578	0.340	1.70
24	11:16	1.00	0.983	1.00	88.45	50.00	0.616	0.348	1.77
25	11:30	1.00	1.349	1.00	78.87	50.00	2.664	1.689	1.58
26	13:29	1.00	1.177	1.00	96.81	50.00	1.284	0.663	1.94

TCA FINISHED, 26 FOUND
FINISHED AT: 6/02/88 12:49:31

RMAL QUANTITATION SUMMARY FILE: STDU537
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	682	1	17498.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	918	2	64213.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	30681.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	298	1	69815.	3.192	98.417
5	S1# 20	PYRIDINE	79	300	1	57563.	2.632	81.312
6	S1# 30	2-PICOLINE	93	396	1	59034.	2.699	88.412
7	S1# 62	3 & 4-PICOLINE	93	462	1	55329.	2.530	94.482
8	S1# 64	2,6-LUTIDINE	107	494	1	69273.	3.167	86.001
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	82932.	3.792	89.016
10	S1# 83	2,4 & 2,5-LUTIDINE	107	561	1	57799.	2.643	96.143
11	S1# 87	2,3-LUTIDINE	107	582	1	64550.	2.951	93.206
12	S1# 88	3-ETHYL PYRIDINE	107	603	1	45657.	2.087	85.993
13	S1# 89	4-ETHYL PYRIDINE	107	611	1	48984.	2.240	112.621
14	S1# 92	3,5-LUTIDINE	107	630	1	52978.	2.422	100.535
15	S1#122	3,4-LUTIDINE	107	667	1	32700.	1.495	55.944
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	697	1	66694.	3.049	79.651
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	711	1	48070.	2.198	86.798
18	S1#187	M AND P CRESOLS	108	767	1	50987.	2.331	86.845
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	795	1	46427.	2.123	88.510
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	795	1	46427.	2.123	88.510
21	S1#204	2,6-DIMETHYL PHENOL	122	813	1	44977.	2.056	87.838
22	S2# 27	2,5-DIMETHYL PHENOL	107	866	2	46619.	0.581	85.855
23	S2# 37	3,5-DIMETHYL PHENOL	107	890	2	46374.	0.578	84.971
24	S2# 47	2,3-DIMETHYL PHENOL	107	904	2	49480.	0.616	88.450
25	S2# 57	3,4-DIMETHYL PHENOL	107	922	1	58264.	2.664	78.872
26	S2#150	1-METHYLNAPHTHALENE	142	1081	2	103038.	1.284	96.813

6/1/88 20:47:14 SCAN 1 OF 2800

02131

Acquisition started

Acquire Run 0:STDU538 ACQUIRING
06/01/88 20:47:00 + 0:03 Free sectors: 10007 Scan: 4 of 2800
Sample: 120 PPM PYRIDINES STD
Conds.:
Formula: 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: 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 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

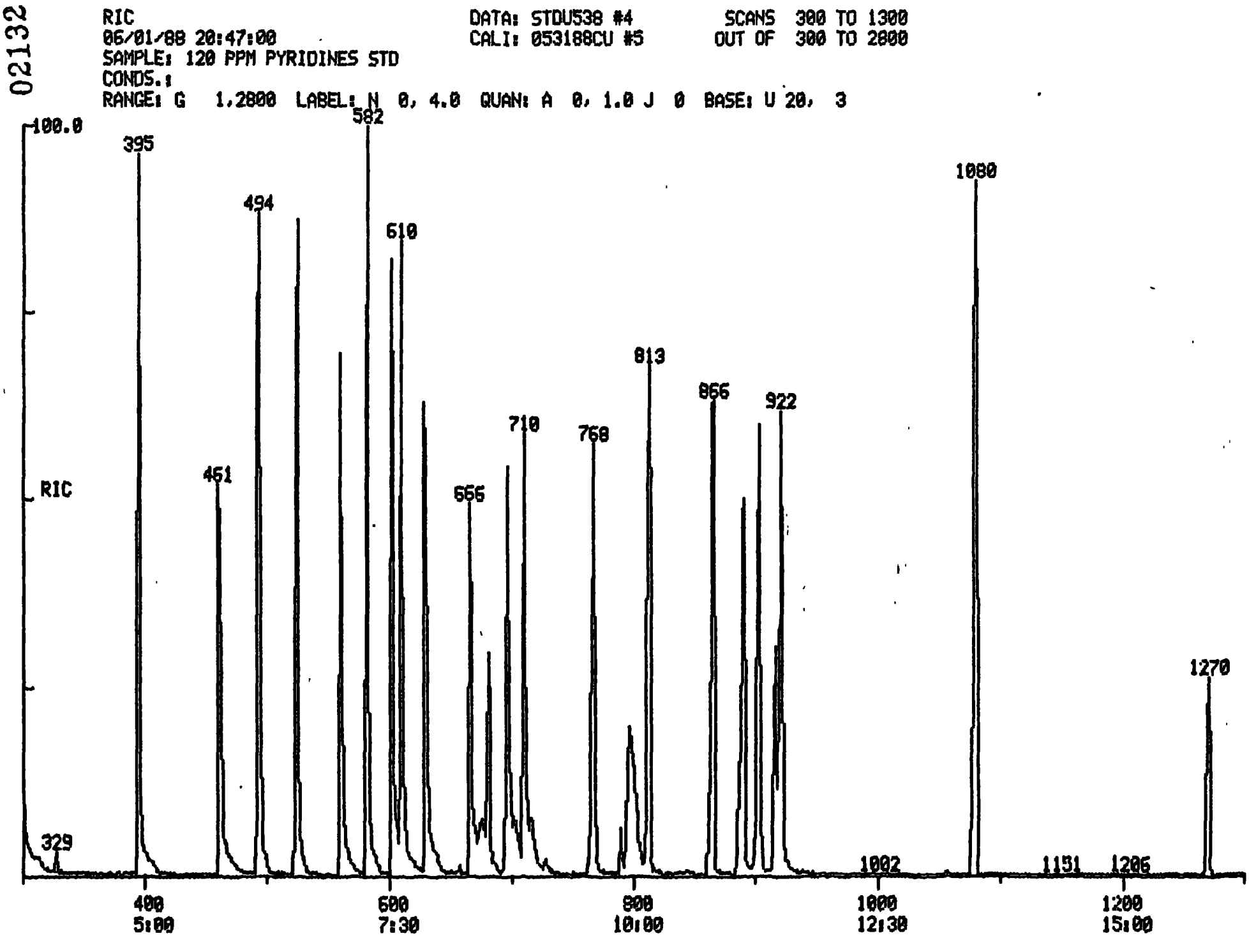
Min Peak Width: 3 Min Frag Width %: 80 Min Area: 30
ADC Threshold: 1 Baseline: 0

***** 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 21:22:17
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

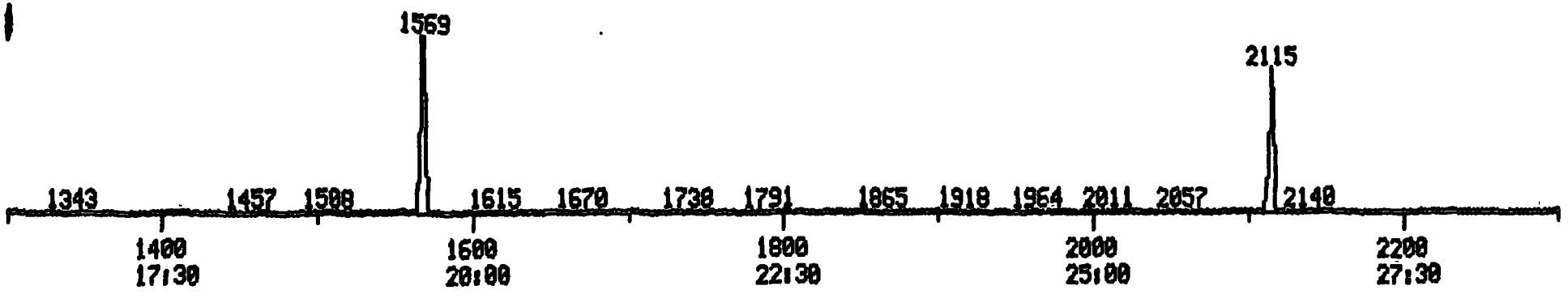
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	149.0	2100.0	7.1	26911.	10. 13.


02132
RIC
06/01/88 20:47:00
SAMPLE: 120 PPM PYRIDINES STD
CONDS.:
DATA: STDU538 #4
CALI: 053188CU #5
SCANS 300 TO 1300
OUT OF 300 TO 2800
RANGE: G 1.2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
RIC
329
395
451
494
582
610
666
710
768
813
866
922
1002
1080
1151
1206
1270
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

02133

RIC DATA: STDU538 #4 SCANS 1300 TO 2300
06/01/88 20:47:00 CALI: 053188CU #5 OUT OF 300 TO 2000
SAMPLE: 120 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0



02134

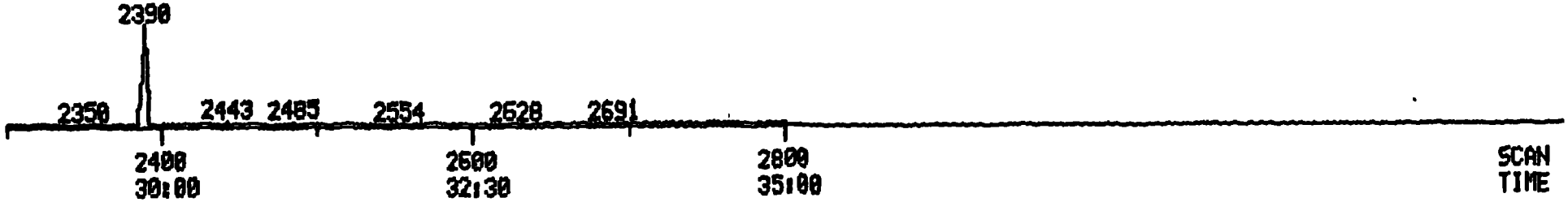
RIC
06/01/88 20:47:00
SAMPLE: 120 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU538 #4
CALI: 053188CU #5

SCANS 2300 TO 2800
OUT OF 300 TO 2800

100.0

190208.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 12:51:09
DATA FILE: STDU538
REFERENCE: 11TABLE
NAME LIST: LLNL INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: IS01

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
1	1	1	0	13	13	12	72	IS01/TC01
3	3	1	49	14	14	24	152	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	-681	681	681	.	1	969	.	152	681	.	1
2	S1	4	-300	297	297	.	1	996	.	84	297	.	1
3	S1	20	-302	299	299	.	1	994	.	79	299	.	1
4	S1	30	-398	396	395	-1	1	992	.	93	395	.	1
5	S1	62	-464	462	461	-1	1	989	.	93	461	.	1
6	S1	64	-495	493	494	1	1	988	.	107	494	.	1
7	S1	73	-525	524	525	1	1	986	.	106	525	.	1
8	S1	83	-562	561	561	.	1	990	.	107	561	.	1
9	S1	87	-582	581	582	1	1	987	.	107	582	.	1
10	S1	88	-603	602	602	.	2	989	.	107	602	.	1
11	S1	89	-611	610	610	.	2	990	.	107	610	.	1
12	S1	92	-630	629	629	.	1	997	.	107	629	.	1
13	S1	122	-667	667	666	-1	3	990	.	107	666	.	1
14	S2	1	-916	917	917	.	1	995	.	136	917	.	1
15	S3	1	-1269	1270	1270	.	1	991	.	164	1270	.	1
16	S1	137	-697	700	702	2	2	991	.	106	.	.	.
17	S1	142	-711	714	716	2	3	987	.	106	716	.	1
18	S1	187	-765	768	768	.	1	920	.	108	768	.	1
19	S1	203	-792	795	796	1	2	990	.	106	796	.	1
20	S1	202	-792	795	796	1	2	990	.	106	796	.	1
21	S1	204	-812	815	813	-2	1	989	.	122	813	.	1
22	S2	27	-864	866	865	-1	1	993	.	107	865	.	1
23	S2	37	-888	890	891	1	1	987	.	107	891	.	1
24	S2	47	-901	903	903	.	1	994	.	107	903	.	1
25	S2	57	-920	922	922	.	1	992	.	107	922	.	1
26	S2	150	-1079	1080	1080	.	1	984	.	142	1080	.	1

Quantitation Report File: STDU538

02136

Data: STDU538.TI
06/01/88 20:47:00
Sample: 120 PPM PYRIDINES STD
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	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	M AND P CRESOLS	108 S2#187	
16	3-ETHYL-4-METHYL PYRIDINE	106 S1#202	
17	3-ETHYL-5-METHYL PYRIDINE	106 S1#203	
18	2,6-DIMETHYL PHENOL	122 S1#204	
19	2,5-DIMETHYL PHENOL	107 S2# 27	
20	3,5-DIMETHYL PHENOL	107 S2# 37	
21	2,3-DIMETHYL PHENOL	107 S2# 47	
22	3,4-DIMETHYL PHENOL	107 S2# 57	
23	1-METHYLNAPHTHALENE	142 S2#150	90-12-0
24	2-METHYL-5-ETHYL PYRIDINE	106 S1#137	
25	2-METHYL-3-ETHYL PYRIDINE	106 S1#142	
26	3,4-LUTIDINE	107 S1#122	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	681	8:31	1	1.000	A BB	17073.	40.000	UG/ML	1.29
2	136	917	11:28	2	1.000	A BB	61658.	40.000	UG/ML	1.29
3	164	1270	15:52	3	1.000	A BB	29671.	40.000	UG/ML	1.29
4	84	297	3:43	1	0.436	A BB	93398.	134.939	UG/ML	4.35
5	79	299	3:44	1	0.439	A BB	88719.	128.442	UG/ML	4.14
6	93	395	4:56	1	0.580	A BB	81235.	124.689	UG/ML	4.02
7	93	461	5:46	1	0.677	A BB	72363.	126.645	UG/ML	4.08
8	107	494	6:10	1	0.725	A BB	101278.	128.865	UG/ML	4.15
9	106	525	6:34	1	0.771	A BB	117739.	129.522	UG/ML	4.17
10	107	561	7:01	1	0.824	A BB	80239.	136.793	UG/ML	4.41
11	107	582	7:16	1	0.855	A BB	91443.	135.325	UG/ML	4.36
12	107	602	7:31	1	0.884	A BV	60806.	117.377	UG/ML	3.78
13	107	610	7:37	1	0.896	A VB	71954.	169.550	UG/ML	5.47
14	107	629	7:52	1	0.924	A BB	72002.	140.036	UG/ML	4.51
15	108	768	9:36	1	1.128	A BB	69584.	121.470	UG/ML	3.92
16	106	796	9:57	1	1.169	A VB	65565.	128.106	UG/ML	4.13
17	106	796	9:57	1	1.169	A VB	65565.	128.106	UG/ML	4.13

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	122	813	10:10	1	1.194	A BB	64265.	128.631	UG/ML	4.15
19	107	865	10:49	2	0.943	A BB	66171.	126.910	UG/ML	4.09
20	107	891	11:08	2	0.972	A BV	63247.	120.688	UG/ML	3.89
21	107	903	11:17	2	0.985	A VB	68655.	127.814	UG/ML	4.12
22	107	922	11:31	1	1.354	A BB	80374.	111.511	UG/ML	3.59
23	142	1080	13:30	2	1.178	A BB	142693.	139.627	UG/ML	4.50
24	106	696	8:42	1	1.022	M XX	101392.	124.105	UG/ML	4.00
25	106	710	8:52	1	1.043	M XX	71253.	131.861	UG/ML	4.25
26	107	666	8:19	1	0.978	M XX	69200.	121.337	UG/ML	3.91

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	3:45	0.99	0.440	0.99	134.94	50.00	4.376	1.622	2.70
5	3:46	0.99	0.443	0.99	128.44	50.00	4.157	1.618	2.57
6	4:58	0.99	0.584	0.99	124.69	50.00	3.806	1.526	2.49
7	5:48	0.99	0.680	0.99	126.64	50.00	3.391	1.339	2.53
8	6:11	1.00	0.726	1.00	128.87	50.00	4.746	1.841	2.58
9	6:34	1.00	0.770	1.00	129.52	50.00	5.517	2.130	2.59
10	7:01	1.00	0.824	1.00	136.79	50.00	3.760	1.374	2.74
11	7:16	1.00	0.853	1.00	135.33	50.00	4.285	1.583	2.71
12	7:32	1.00	0.884	1.00	117.38	50.00	2.849	1.214	2.35
13	7:38	1.00	0.896	1.00	169.55	50.00	3.372	0.994	3.39
14	7:52	1.00	0.924	1.00	140.04	50.00	3.374	1.205	2.80
15	9:34	1.00	1.122	1.01	121.47	50.00	3.261	1.342	2.43
16	9:54	1.01	1.161	1.01	128.11	50.00	3.072	1.199	2.56
17	9:54	1.01	1.161	1.01	128.11	50.00	3.072	1.199	2.56
18	10:09	1.00	1.191	1.00	128.63	50.00	3.011	1.171	2.57
19	10:48	1.00	0.942	1.00	126.91	50.00	0.859	0.338	2.54
20	11:06	1.00	0.968	1.00	120.69	50.00	0.821	0.340	2.41
21	11:16	1.00	0.983	1.00	127.81	50.00	0.891	0.348	2.56
22	11:30	1.00	1.349	1.00	111.51	50.00	3.766	1.689	2.23
23	13:29	1.00	1.177	1.00	139.63	50.00	1.851	0.663	2.79
24	8:43	1.00	1.022	1.00	124.11	50.00	4.751	1.914	2.48
25	8:53	1.00	1.043	1.00	131.86	50.00	3.339	1.266	2.64
26	8:20	1.00	0.978	1.00	121.34	50.00	3.243	1.336	2.43

02138

RMAL QUANTITATION SUMMARY FILE: STDU538
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	681	1	17073.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	917	2	61658.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1270	3	29671.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	297	1	93398.	4.376	134.939
5	S1# 20	PYRIDINE	79	299	1	88719.	4.157	128.442
6	S1# 30	2-PICOLINE	93	395	1	81235.	3.806	124.689
7	S1# 62	3 & 4-PICOLINE	93	461	1	72363.	3.391	126.645
8	S1# 64	2,6-LUTIDINE	107	494	1	101278.	4.746	128.865
9	S1# 73	2-ETHYL PYRIDINE	106	525	1	117739.	5.517	129.522
10	S1# 83	2,4 & 2,5-LUTIDINE	107	561	1	80239.	3.760	136.793
11	S1# 87	2,3-LUTIDINE	107	582	1	91443.	4.285	135.325
12	S1# 88	3-ETHYL PYRIDINE	107	602	1	60806.	2.849	117.377
13	S1# 89	4-ETHYL PYRIDINE	107	610	1	71954.	3.372	169.550
14	S1# 92	3,5-LUTIDINE	107	629	1	72002.	3.374	140.036
15	S1#122	3,4-LUTIDINE	107	666	1	69200.	3.243	121.337
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	696	1	101392.	4.751	124.105
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	710	1	71253.	3.339	131.861
18	S1#187	M AND P CRESOLS	108	768	1	69584.	3.261	121.470
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	796	1	65565.	3.072	128.106
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	796	1	65565.	3.072	128.106
21	S1#204	2,6-DIMETHYL PHENOL	122	813	1	64265.	3.011	128.631
22	S2# 27	2,5-DIMETHYL PHENOL	107	865	2	66171.	0.859	126.910
23	S2# 37	3,5-DIMETHYL PHENOL	107	891	2	63247.	0.821	120.688
24	S2# 47	2,3-DIMETHYL PHENOL	107	903	2	68655.	0.891	127.814
25	S2# 57	3,4-DIMETHYL PHENOL	107	922	1	80374.	3.766	111.511
26	S2#150	1-METHYLNAPHTHALENE	142	1080	2	142693.	1.851	139.627

6/1/88 21:33:14 SCAN 1 OF 2800 02139
Acquisition started

Acquire Run 0:STDU539 ACQUIRING
06/01/88 21:33:00 + 0:04 Free sectors: 9691 Scan: 5 of 2800
Sample: 160 PPM PYRIDINES STD
Conds.:
Formula: 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: 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 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

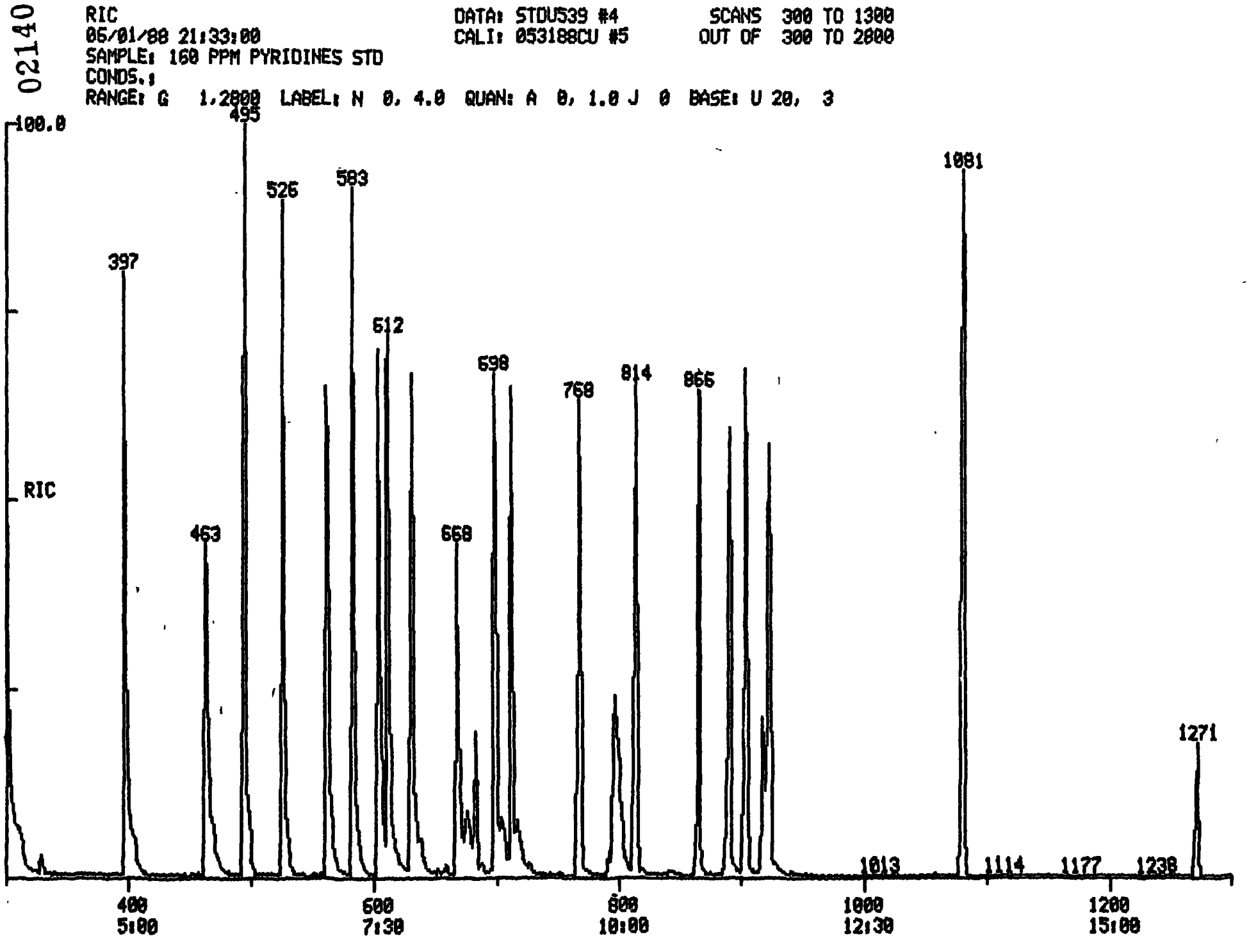
Min Peak Width: 3 Min Frag Width %: 80 Min Area: 30
ADC Threshold: 1 Baseline: 0

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

Interface number	0	
Sub-interface number	0	
# of acqu buffers	16	
Instrument type	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 22:08:17
ACQUISITION COMPLETED
SCANS 1 TO 2800 Centroid

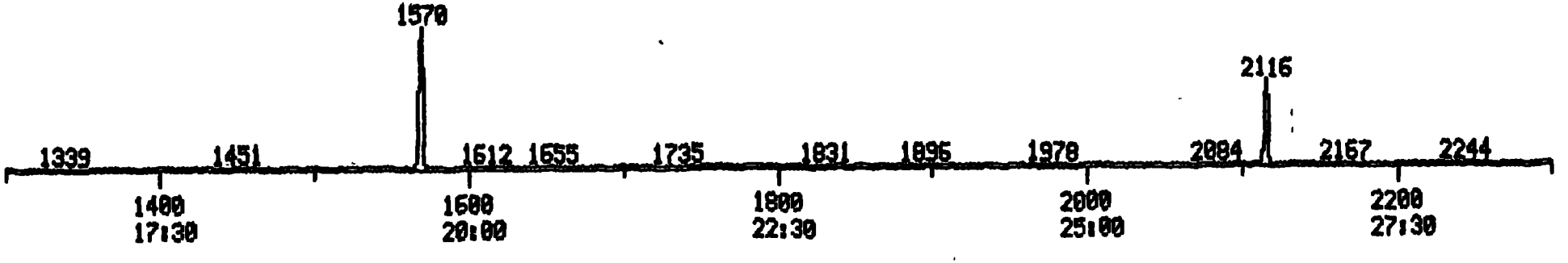
Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	2800	141.3	2100.0	6.7	24881.	9. 12.


02140
RIC
06/01/88 21:33:00
SAMPLE: 160 PPM PYRIDINES STD
CONDS.:
DATA: STDU539 #4
CALI: 053188CU #5
SCANS 300 TO 1300
OUT OF 300 TO 2000
RANGE: G 1.2000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
RIC
495
526
583
397
612
598
768
814
865
1081
463
668
1271
1013
1114
1177
1238
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00

02141

RIC DATA: STDU539 #4 SCANS 1300 TO 2300
06/01/88 21:33:00 CALI: 053188CU #5 OUT OF 300 TO 2800
SAMPLE: 160 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

100.0



021142

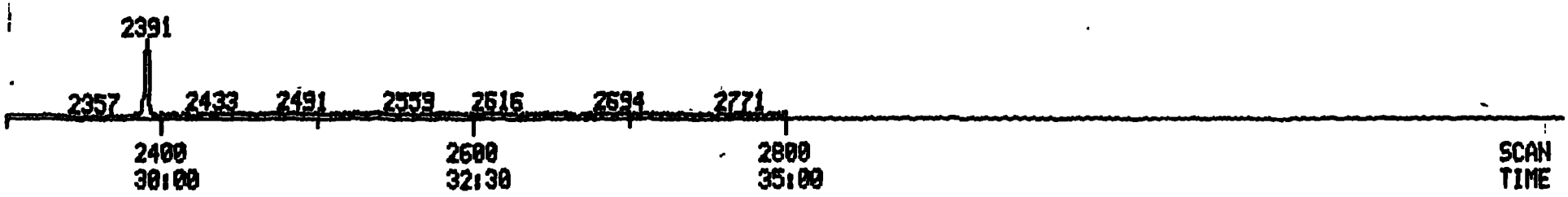
RIC
06/01/88 21:33:00
SAMPLE: 160 PPM PYRIDINES STD
CONDS.:
RANGE: G 1,2800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: STDU539 #4
CALI: 053188CU #5

SCANS 2300 TO 2800
OUT OF 300 TO 2800

100.0

141312.



PROCEDURE: TCA DIAGNOSTIC REPORT 6/02/88 12:55:39
DATA FILE: STDU539
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	13	13	24	47	ISO1/TC01
3	3	1	0	14	14	24	98	ISO2/TC02

26 COMPOUNDS PROCESSED. 26 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	-681	683	683	.	1	983	.	152	682	-1	1
2	S1	4	-300	299	299	.	1	994	.	84	299	.	1
3	S1	20	-302	301	301	.	1	994	.	79	301	.	1
4	S1	30	-398	397	397	.	1	990	.	93	397	.	1
5	S1	62	-464	464	463	-1	1	987	.	93	463	.	1
6	S1	64	-495	495	495	.	1	993	.	107	495	.	1
7	S1	73	-525	525	526	1	1	989	.	106	526	.	1
8	S1	83	-562	563	562	-1	1	993	.	107	562	.	1
9	S1	87	-582	583	583	.	1	987	.	107	583	.	1
10	S1	88	-603	604	604	.	2	990	.	107	604	.	1
11	S1	89	-611	612	612	.	2	979	.	107	612	.	1
12	S1	92	-630	631	631	.	2	991	.	107	631	.	1
13	S1	122	-667	668	668	.	3	988	.	107	668	.	1
14	S2	1	-916	918	918	.	1	993	.	136	918	.	1
15	S3	1	-1269	1271	1271	.	1	994	.	164	1271	.	1
16	S1	137	-697	699	698	-1	2	993	.	106	698	.	1
17	S1	142	-711	713	712	-1	3	988	.	106	712	.	1
18	S1	187	-765	767	768	1	1	922	.	108	768	.	1
19	S1	203	-792	794	796	2	2	988	.	106	796	.	1
20	S1	202	-792	794	796	2	2	988	.	106	796	.	1
21	S1	204	-812	814	814	.	1	992	.	122	814	.	1
22	S2	27	-864	866	866	.	1	996	.	107	866	.	1
23	S2	37	-888	890	891	1	1	990	.	107	891	.	1
24	S2	47	-901	903	904	1	1	989	.	107	904	.	1
25	S2	57	-920	922	923	1	1	989	.	107	923	.	1
26	S2	150	-1079	1081	1081	.	1	984	.	142	1081	.	1

Quantitation Report File: STDU539

02144

Data: STDU539.TI
06/01/88 21:33:00
Sample: 160 PPM PYRIDINES STD
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	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-3-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	682	8:31	1	1.000	A BB	9730.	40.000	UG/ML	0.98
2	84	299	3:44	1	0.438	A BV	68615.	173.945	UG/ML	4.26
3	79	301	3:46	1	0.441	A BB	71252.	181.003	UG/ML	4.43
4	93	397	4:58	1	0.582	A BB	63724.	171.626	UG/ML	4.20
5	93	463	5:47	1	0.679	A BB	59563.	182.912	UG/ML	4.48
6	107	495	6:11	1	0.726	A BB	80073.	178.774	UG/ML	4.37
7	106	526	6:34	1	0.771	A BV	92588.	178.721	UG/ML	4.37
8	107	562	7:01	1	0.824	A BB	61324.	183.443	UG/ML	4.49
9	107	583	7:17	1	0.855	A BB	70137.	182.128	UG/ML	4.46
10	107	604	7:33	1	0.886	A BV	48836.	165.414	UG/ML	4.05
11	107	612	7:39	1	0.897	A VB	50221.	207.646	UG/ML	5.08
12	107	631	7:53	1	0.925	A BB	57687.	196.867	UG/ML	4.82
13	107	668	8:21	1	0.979	A BV	39483.	121.477	UG/ML	2.97
14	136	918	11:28	14	1.000	A BB	33113.	40.000	UG/ML	0.98
15	164	1271	15:53	15	1.000	A BB	14208.	40.000	UG/ML	0.98
16	106	698	8:43	1	1.023	A BB	69746.	149.797	UG/ML	3.67
17	106	712	8:54	1	1.044	A VV	52263.	169.708	UG/ML	4.15

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
18	108	768	9:36	1	1.126	A BB	54104.	165.725	UG/ML	4.06
19	106	796	9:57	1	1.167	A BB	52259.	179.165	UG/ML	4.38
20	106	796	9:57	1	1.167	A BB	52259.	179.165	UG/ML	4.38
21	122	814	10:10	1	1.194	A BB	47690.	167.492	UG/ML	4.10
22	107	866	10:49	14	0.943	A BV	47632.	170.106	UG/ML	4.16
23	107	891	11:08	14	0.971	A BV	46085.	163.747	UG/ML	4.01
24	107	904	11:18	14	0.985	A VB	49754.	172.475	UG/ML	4.22
25	107	923	11:32	1	1.353	A BB	56559.	137.689	UG/ML	3.37
26	142	1081	13:31	14	1.178	A BB	102926.	187.536	UG/ML	4.59

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	3:45	1.00	0.440	1.00	173.95	50.00	5.641	1.622	3.48
3	3:46	1.00	0.443	1.00	181.00	50.00	5.858	1.618	3.62
4	4:58	1.00	0.584	1.00	171.63	50.00	5.239	1.526	3.43
5	5:48	1.00	0.680	1.00	182.91	50.00	4.897	1.339	3.66
6	6:11	1.00	0.726	1.00	178.77	50.00	6.584	1.841	3.58
7	6:34	1.00	0.770	1.00	178.72	50.00	7.613	2.130	3.57
8	7:01	1.00	0.824	1.00	183.44	50.00	5.042	1.374	3.67
9	7:16	1.00	0.853	1.00	182.13	50.00	5.767	1.583	3.64
10	7:32	1.00	0.884	1.00	165.41	50.00	4.015	1.214	3.31
11	7:38	1.00	0.896	1.00	207.65	50.00	4.129	0.994	4.15
12	7:52	1.00	0.924	1.00	196.87	50.00	4.743	1.205	3.94
13	8:20	1.00	0.978	1.00	121.48	50.00	3.246	1.336	2.43
14	11:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
15	15:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
16	8:43	1.00	1.022	1.00	149.80	50.00	5.734	1.914	3.00
17	8:53	1.00	1.043	1.00	169.71	50.00	4.297	1.266	3.39
18	9:34	1.00	1.122	1.00	165.73	50.00	4.448	1.342	3.31
19	9:54	1.01	1.161	1.01	179.17	50.00	4.297	1.199	3.58
20	9:54	1.01	1.161	1.01	179.17	50.00	4.297	1.199	3.58
21	10:09	1.00	1.191	1.00	167.49	50.00	3.921	1.171	3.35
22	10:48	1.00	0.942	1.00	170.11	50.00	1.151	0.338	3.40
23	11:06	1.00	0.968	1.00	163.75	50.00	1.113	0.340	3.27
24	11:16	1.00	0.983	1.00	172.48	50.00	1.202	0.348	3.45
25	11:30	1.00	1.349	1.00	137.69	50.00	4.650	1.689	2.75
26	13:29	1.00	1.177	1.00	187.54	50.00	2.487	0.663	3.75

02146

TCA FINISHED, 26 FOUND
FINISHED AT: 6/02/88 12:58:27

RMAL QUANTITATION SUMMARY FILE: STDU539
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	682	1	9730.	1.000	40.000
2	S2# 1	CI40 NAPHTHALENE-D8	136	918	2	33113.	1.000	40.000
3	S3# 1	CI50 ACENAPHTHENE-D10	164	1271	3	14208.	1.000	40.000
4	S1# 4	PYRIDINE-D5	84	299	1	68615.	5.641	173.945
5	S1# 20	PYRIDINE	79	301	1	71252.	5.858	181.003
6	S1# 30	2-PICOLINE	93	397	1	63724.	5.239	171.626
7	S1# 62	3 & 4-PICOLINE	93	463	1	59563.	4.897	182.912
8	S1# 64	2,6-LUTIDINE	107	495	1	80073.	6.584	178.774
9	S1# 73	2-ETHYL PYRIDINE	106	526	1	92588.	7.613	178.721
10	S1# 83	2,4 & 2,5-LUTIDINE	107	562	1	61324.	5.042	183.443
11	S1# 87	2,3-LUTIDINE	107	583	1	70137.	5.767	182.128
12	S1# 88	3-ETHYL PYRIDINE	107	604	1	48836.	4.015	165.414
13	S1# 89	4-ETHYL PYRIDINE	107	612	1	50221.	4.129	207.646
14	S1# 92	3,5-LUTIDINE	107	631	1	57687.	4.743	196.867
15	S1#122	3,4-LUTIDINE	107	668	1	39483.	3.246	121.477
16	S1#137	2-METHYL-5-ETHYL PYRIDIN	106	698	1	69746.	5.735	149.797
17	S1#142	2-METHYL-3-ETHYL PYRIDIN	106	712	1	52263.	4.297	169.708
18	S1#187	M AND P CRESOLS	108	768	1	54104.	4.448	165.725
19	S1#202	3-ETHYL-4-METHYL PYRIDIN	106	796	1	52259.	4.297	179.165
20	S1#203	3-ETHYL-5-METHYL PYRIDIN	106	796	1	52259.	4.297	179.165
21	S1#204	2,6-DIMETHYL PHENOL	122	814	1	47690.	3.921	167.492
22	S2# 27	2,5-DIMETHYL PHENOL	107	866	2	47632.	1.151	170.106
23	S2# 37	3,5-DIMETHYL PHENOL	107	891	2	46085.	1.113	163.748
24	S2# 47	2,3-DIMETHYL PHENOL	107	904	2	49754.	1.202	172.475
25	S2# 57	3,4-DIMETHYL PHENOL	107	923	1	56559.	4.650	137.689
26	S2#150	1-METHYLNAPHTHALENE	142	1081	2	102926.	2.487	187.536

RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX742. STARTED : 10/21/87 11:26:06

OK

10/20/87 9:18:15 SCAN 1 OF 3800

02147

Acquisition started

Acquire Run 0:STDX742 ACQUIRING
10/20/87 9:18:00 + 0:03 Free sectors: 27939 Scan: 7 of 3800
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int. oven : 250 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 **********
***** 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	

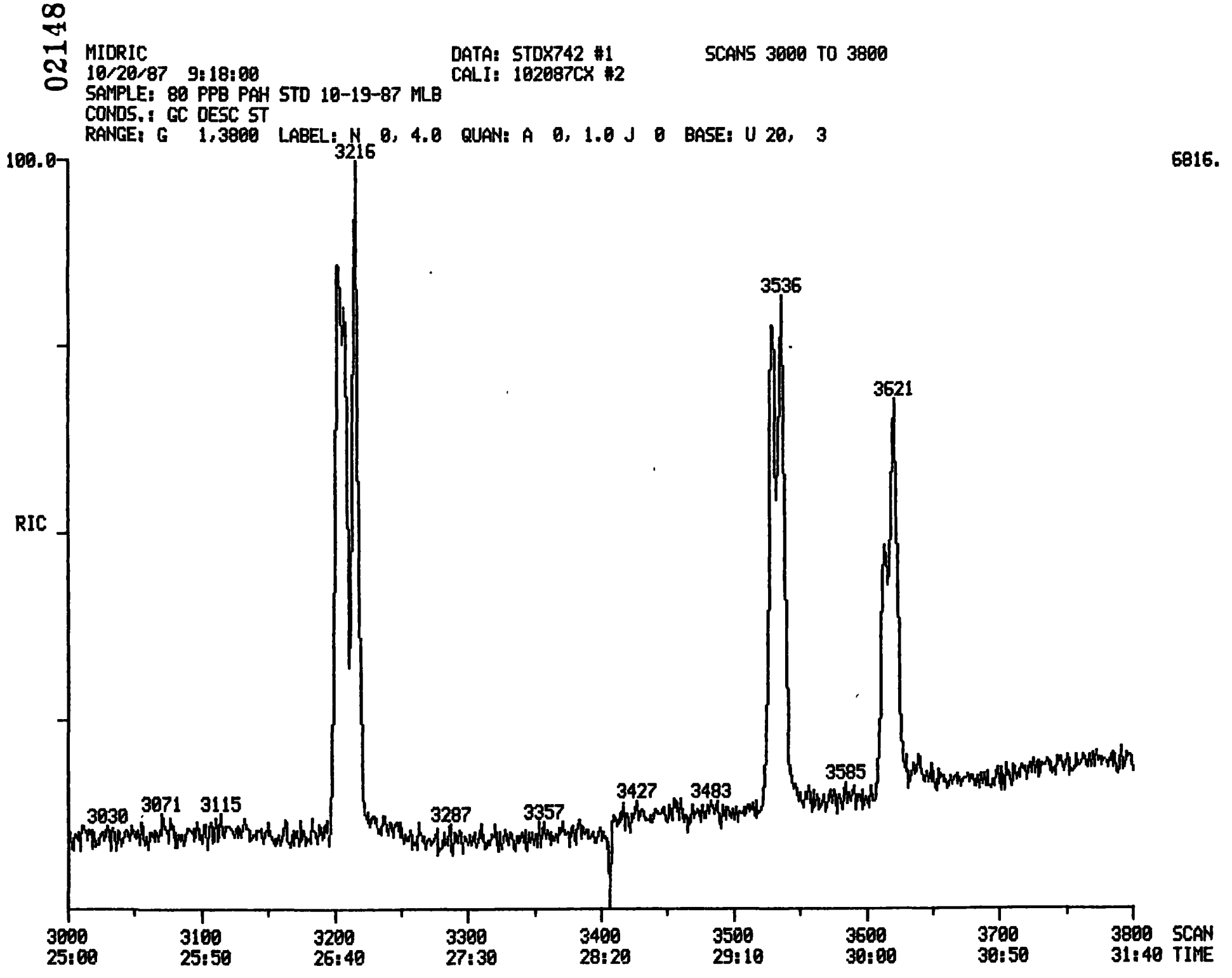
10/20/87 9:46:39 SCAN 3407 OF 3800

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

10/20/87 9:49:59
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	197.9	1899.5	9.9	15194	4 8


02148
MIDRIC
10/20/87 9:18:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDX742 #1
CALI: 102087CX #2
SCANS 3000 TO 3800
100.0
6816.
RIC
3216
3536
3621
3030
3071
3115
3287
3357
3427
3483
3585
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: STDX742

02149

Data: STDX742.TI
10/20/87 9:18:00
Sample: 80 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

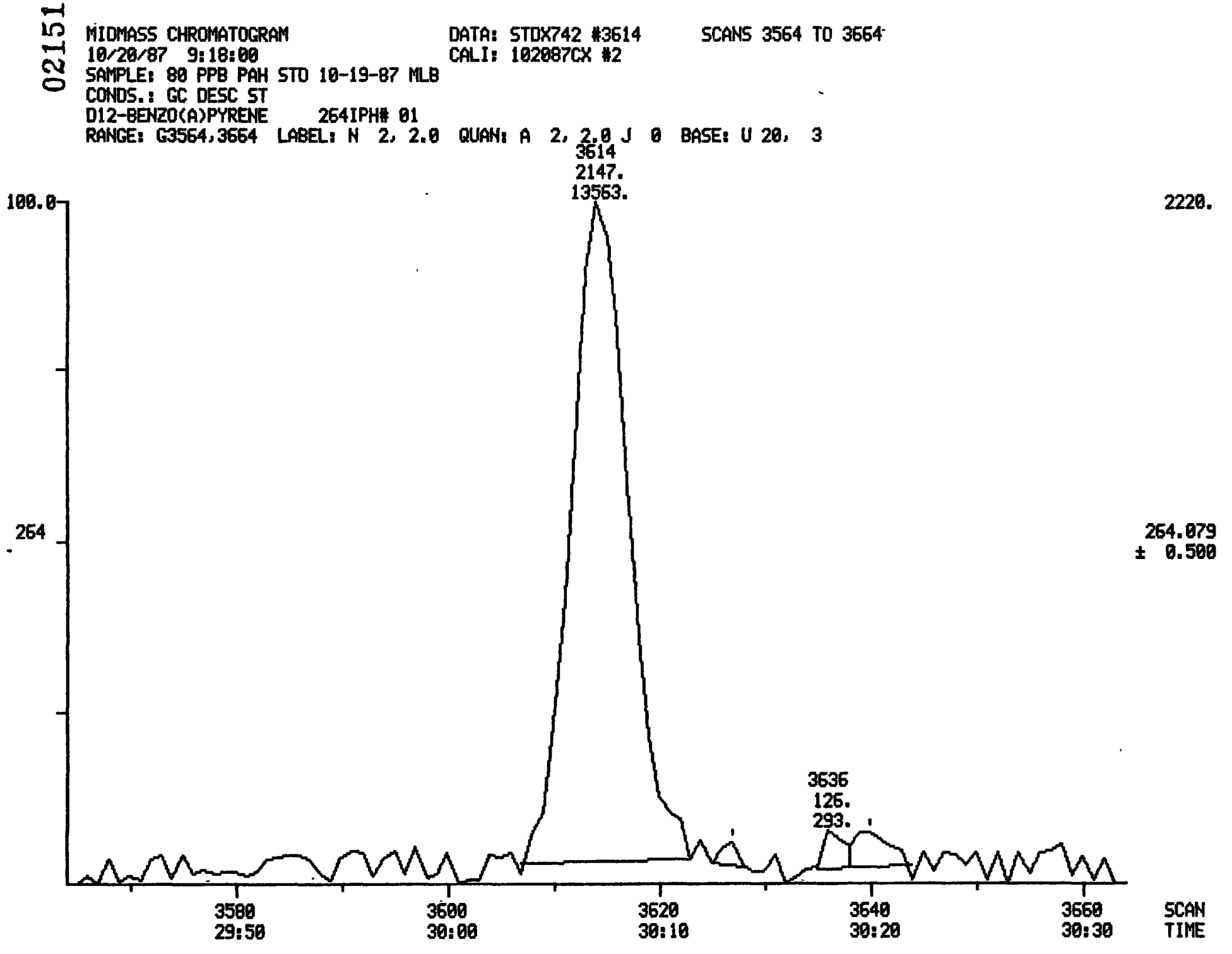
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

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	3614	30:07	1	1.000	A BB	13563.	80.000 NG/ML	8.33
2	240	3208	26:44	1	0.888	A BB	21730.	80.000 NG/ML	8.33
3	228	3203	26:41	1	0.886	A BV	20797.	80.000 NG/ML	8.33
4	226	3204	26:42	1	0.887	A BB	5382.	80.000 NG/ML	8.33
5	228	3216	26:48	1	0.890	A VB	22152.	80.000 NG/ML	8.33
6	226	3216	26:48	1	0.890	A BB	6612.	80.000 NG/ML	8.33
7	252	3530	29:25	1	0.977	A BV	21087.	80.000 NG/ML	8.33
8	250	3530	29:25	1	0.977	A BV	4483.	80.000 NG/ML	8.33
9	252	3536	29:28	1	0.978	A VB	19361.	80.000 NG/ML	8.33
10	250	3536	29:28	1	0.978	A VB	4484.	80.000 NG/ML	8.33
11	252	3621	30:10	1	1.002	A BB	15591.	80.000 NG/ML	8.33
12	250	3621	30:10	1	1.002	A BB	3720.	80.000 NG/ML	8.33

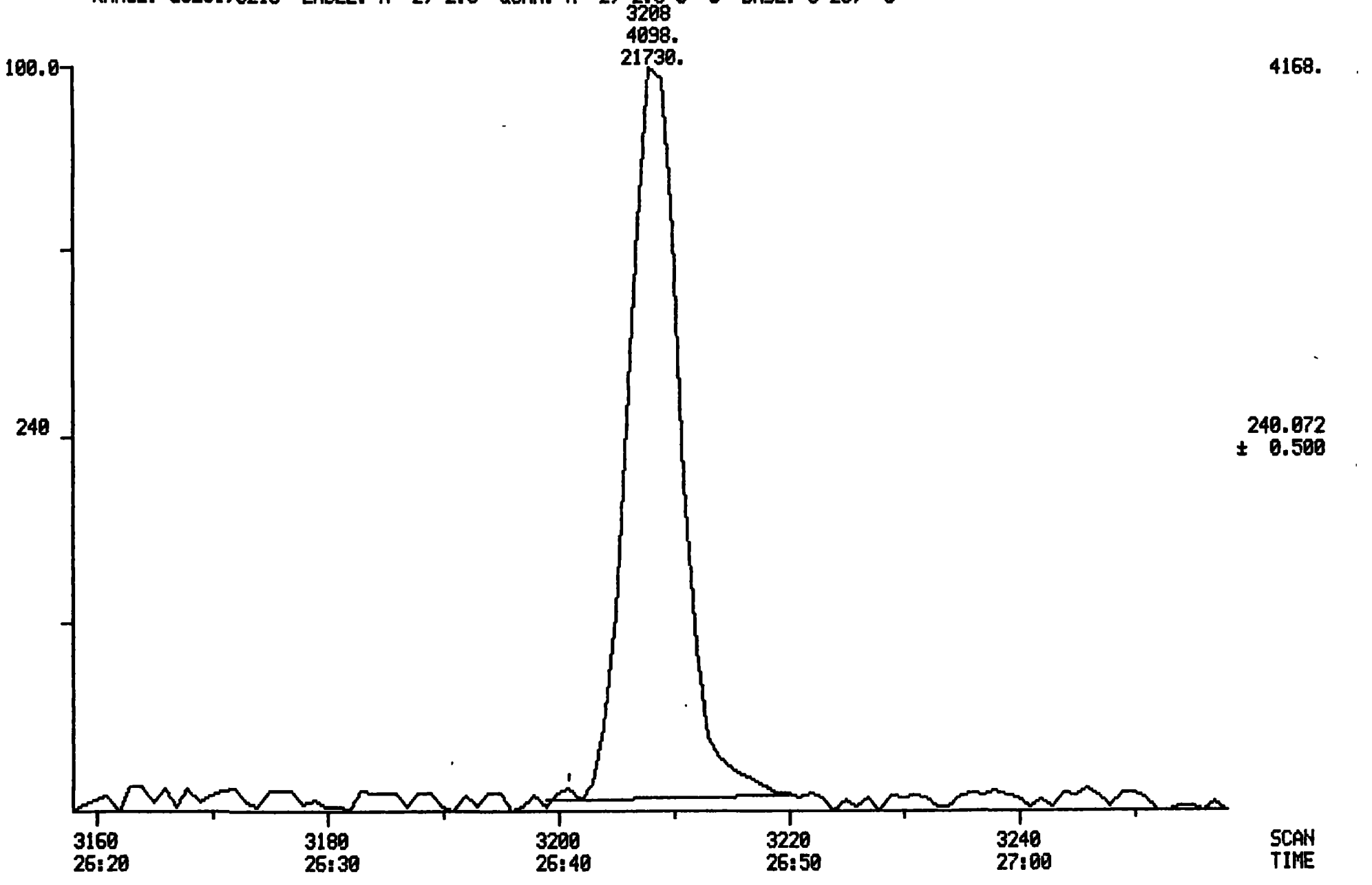
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	80.00	80.00	1.602	1.602	1.00
3	26:41	1.00	0.886	1.00	80.00	80.00	1.533	1.533	1.00
4	26:42	1.00	0.887	1.00	80.00	80.00	0.397	0.397	1.00
5	26:48	1.00	0.890	1.00	80.00	80.00	1.633	1.633	1.00
6	26:48	1.00	0.890	1.00	80.00	80.00	0.488	0.488	1.00
7	29:25	1.00	0.977	1.00	80.00	80.00	1.555	1.555	1.00
8	29:25	1.00	0.977	1.00	80.00	80.00	0.330	0.330	1.00
9	29:28	1.00	0.978	1.00	80.00	80.00	1.427	1.427	1.00
10	29:28	1.00	0.978	1.00	80.00	80.00	0.331	0.331	1.00
11	30:10	1.00	1.002	1.00	80.00	80.00	1.150	1.150	1.00
12	30:10	1.00	1.002	1.00	80.00	80.00	0.274	0.274	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	29:25	1.00	0.977	1.00	73.96	80.00	1.437	1.555	0.92
9	29:25	1.00	0.977	1.00	80.00	80.00	0.330	0.330	1.00
10	29:25	1.00	0.977	1.00	80.03	80.00	0.331	0.330	1.00
11	29:28	1.00	0.978	1.00	84.65	80.00	1.521	1.437	1.06
12	29:28	1.00	0.978	1.00	79.45	80.00	1.427	1.437	0.99
13	29:28	1.00	0.978	1.00	79.97	80.00	0.330	0.331	1.00
14	29:28	1.00	0.978	1.00	80.00	80.00	0.331	0.331	1.00
15	30:10	1.00	1.002	1.00	80.00	80.00	1.150	1.150	1.00
16	30:10	1.00	1.002	1.00	80.00	80.00	0.274	0.274	1.00


021151
MIDMASS CHROMATOGRAM
10/20/87 9:18:00
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3
DATA: STDX742 #3614
CALI: 102087CX #2
SCANS 3564 TO 3664
3614
2147.
13563.
3636
126.
293.
100.0
264
2220.
264.079
± 0.500
3580
29:50
3600
30:00
3620
30:10
3640
30:20
3660
30:30
SCAN
TIME

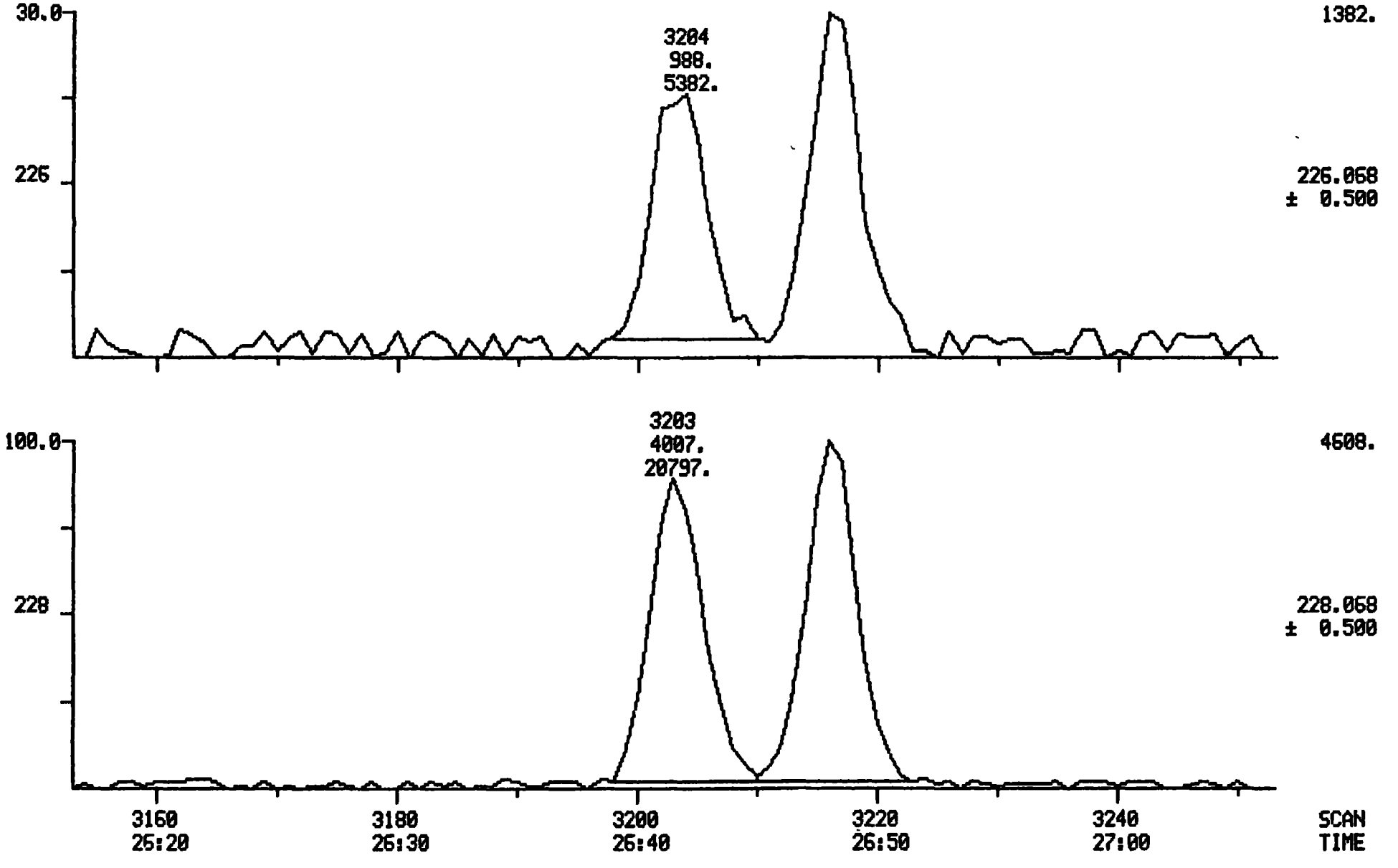
02152

MIDMASS CHROMATOGRAM DATA: STDX742 #3208 SCANS 3158 TO 3258
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3201,3215 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



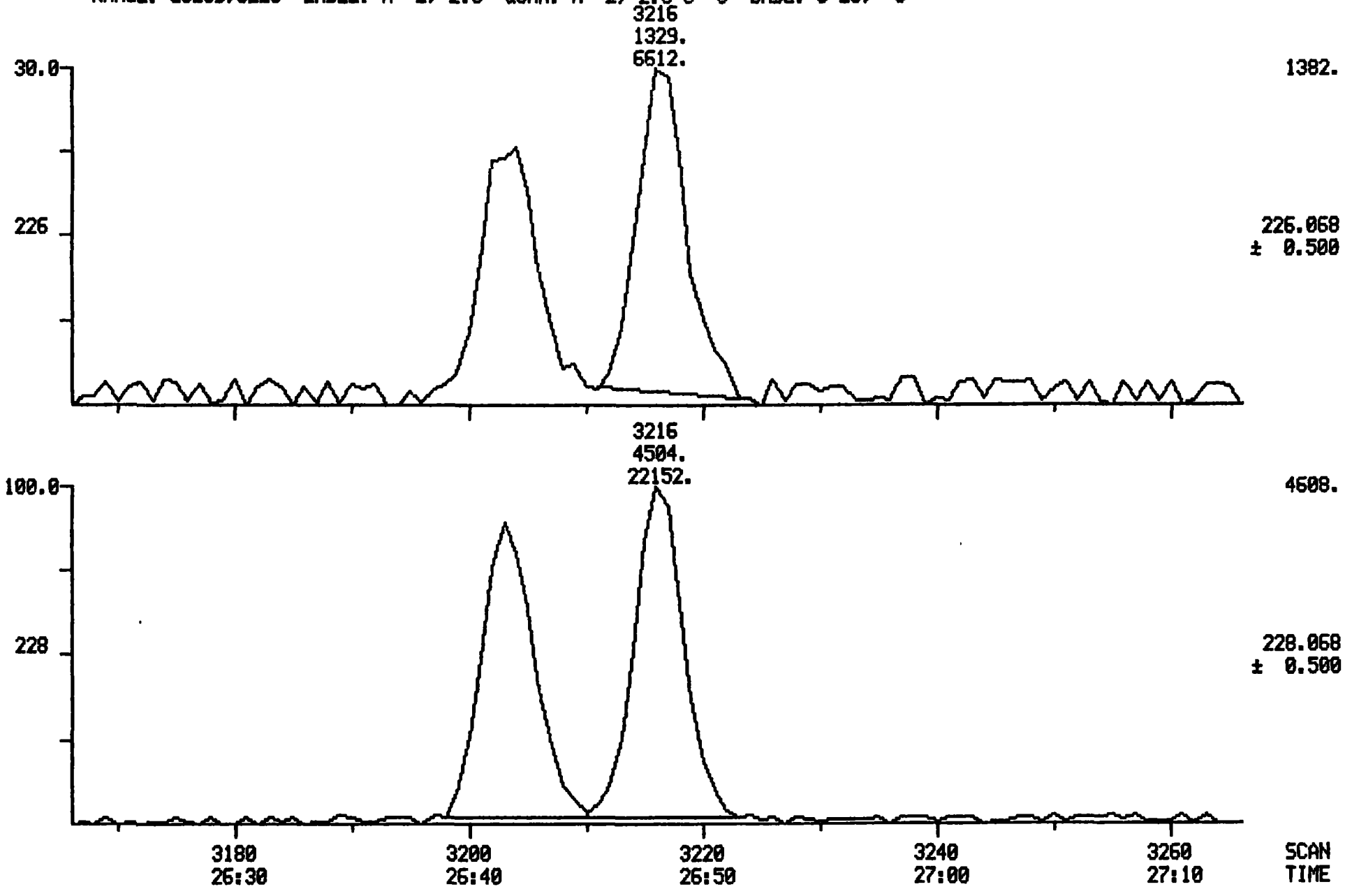
02153

MIDMASS CHROMATOGRAMS DATA: STDX742 #3203 SCANS 3153 TO 3253
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3196,3210 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



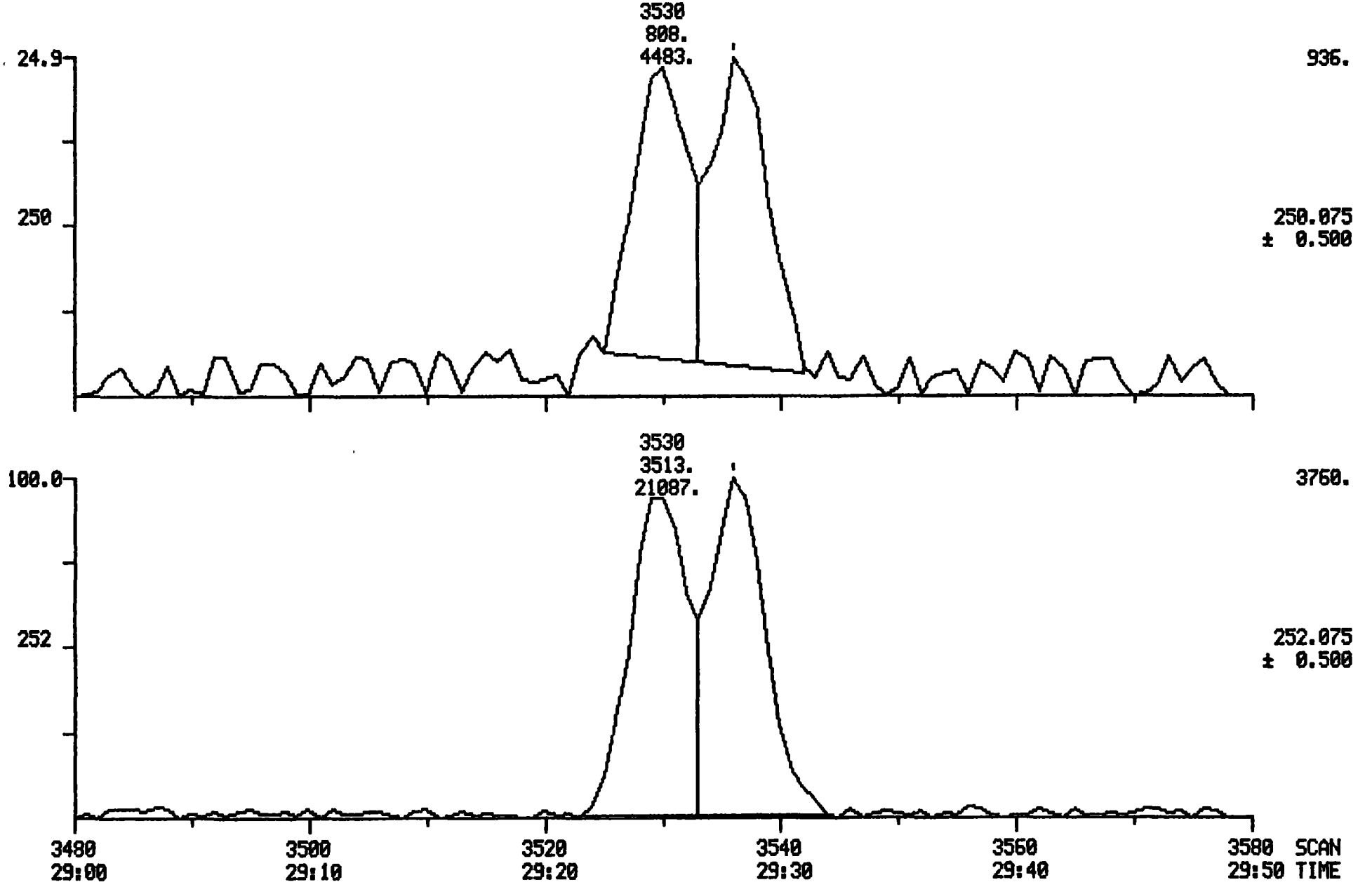
02154

MIDMASS CHROMATOGRAMS DATA: STDX742 #3216 SCANS 3166 TO 3266
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3209,3223 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



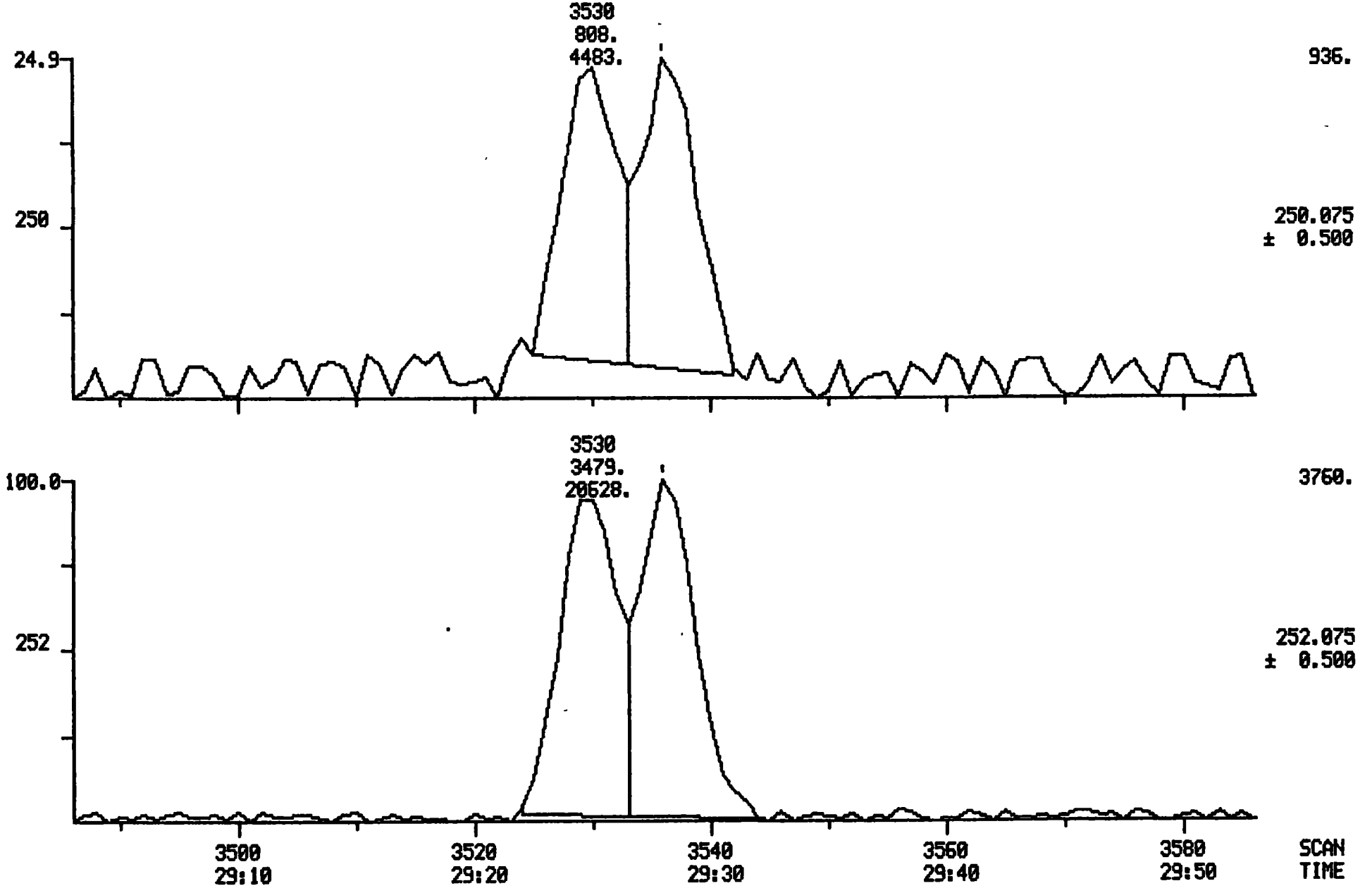
02155

MIDMASS CHROMATOGRAMS DATA: STDX742 #3530 SCANS 3480 TO 3580
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3523,3537 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



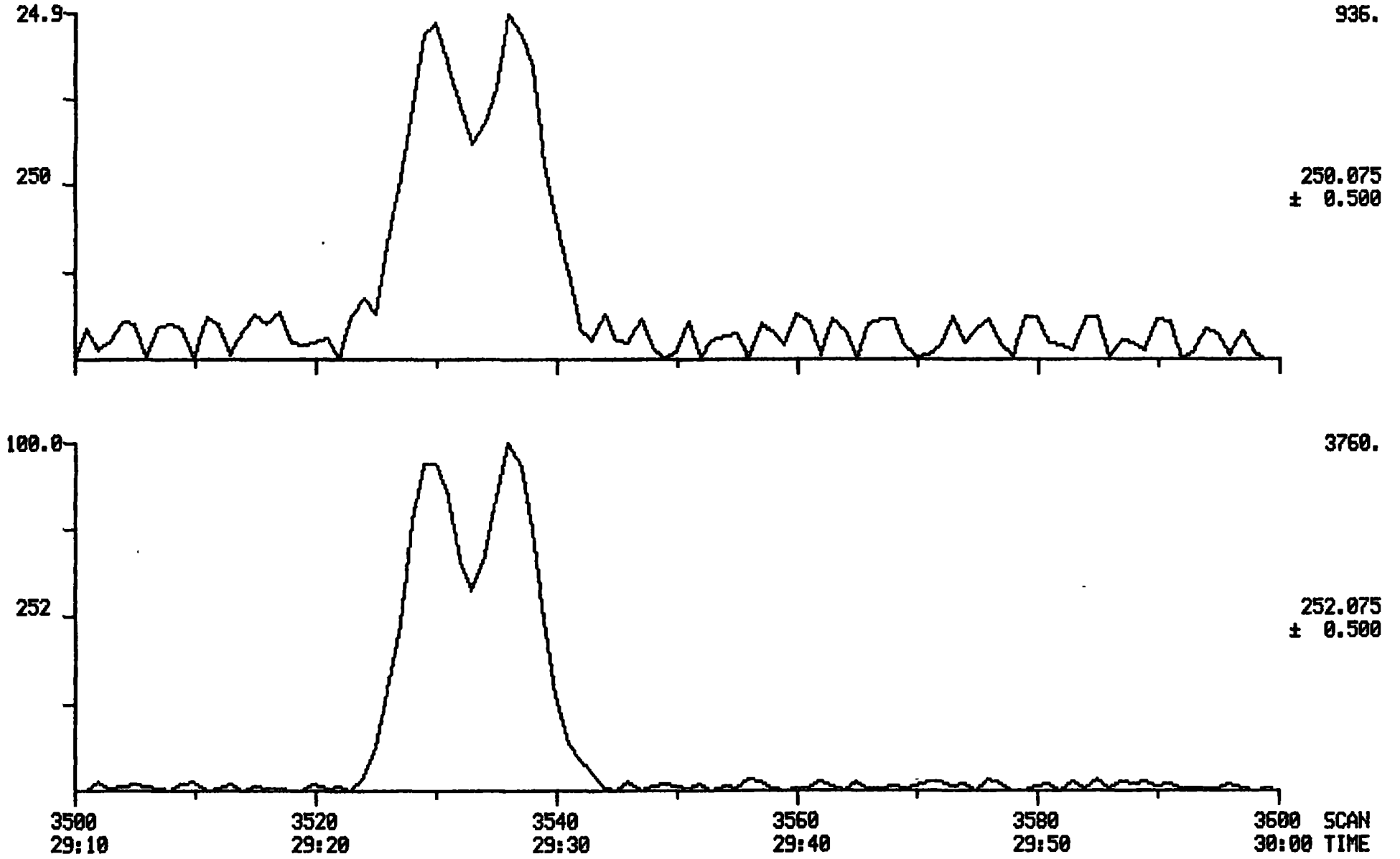
02156

MIDMASS CHROMATOGRAMS DATA: STDX742 #3536 SCANS 3486 TO 3586
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3529,3543 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



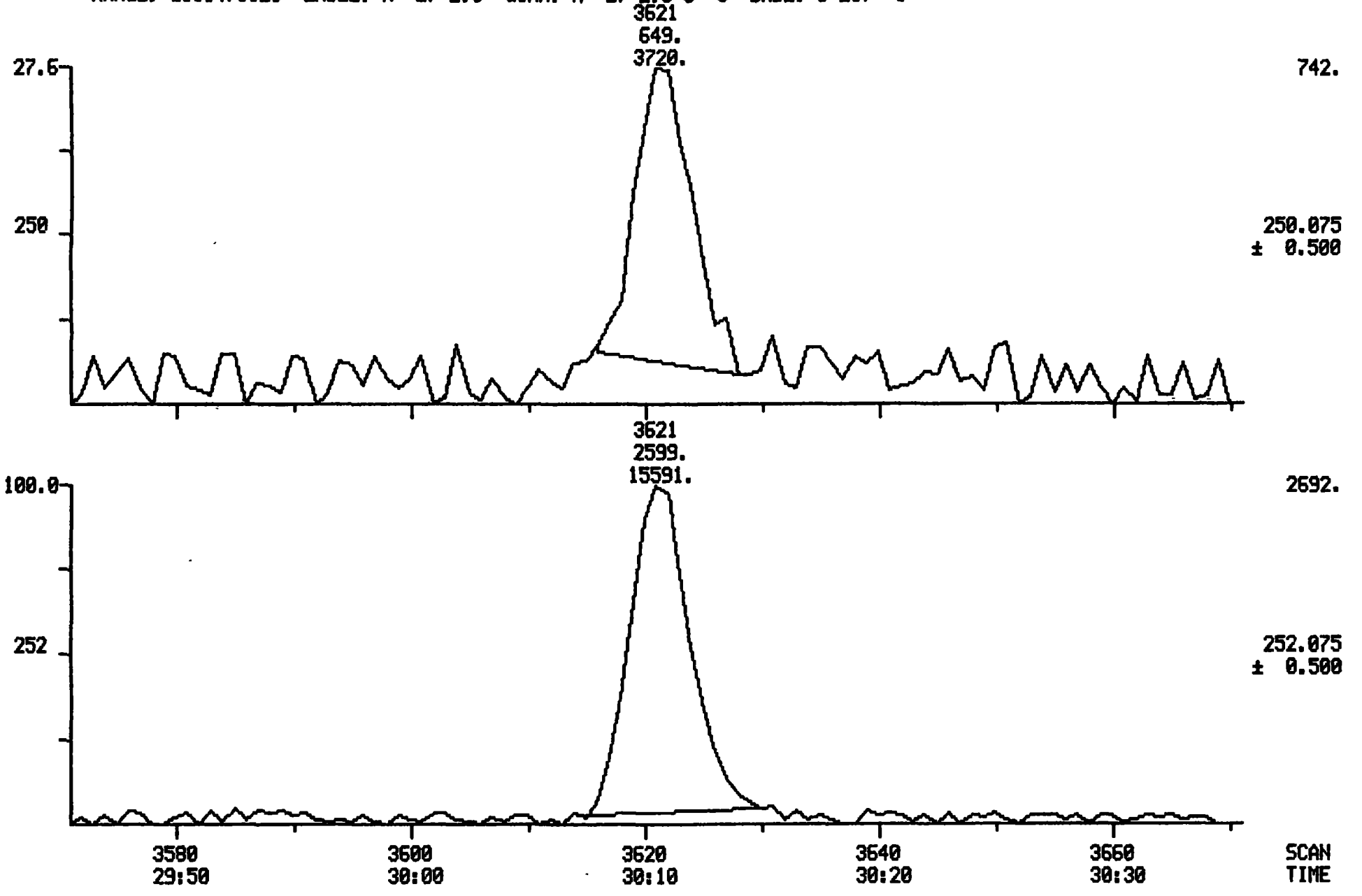
021157

MIDMASS CHROMATOGRAMS DATA: STDX742 #3550 SCANS 3500 TO 3600
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3543,3557 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



02158

MIDMASS CHROMATOGRAMS DATA: STDX742 #3621 SCANS 3571 TO 3671
10/20/87 9:18:00 CALI: 102087CX #2
SAMPLE: 80 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3614,3628 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D: STDX743. STARTED : 10/21/87 11:11:03

OK
(Repull spectra)

02159

10/20/87 10:38:22 SCAN 1 OF 3800
Acquisition started

Acquire Run 0: STDX743 ACQUIRING
10/20/87 10:38:00 + 0:03 Free sectors: 27675 Scan: 7 of 3800
Sample: 40 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc: ST Current GC oven tmp: 30 DegC Injector : 265 DegC
Current GC Desc: ST GC elapsed time : 0: 3 min Int. oven : 250 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 **********
***** 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	

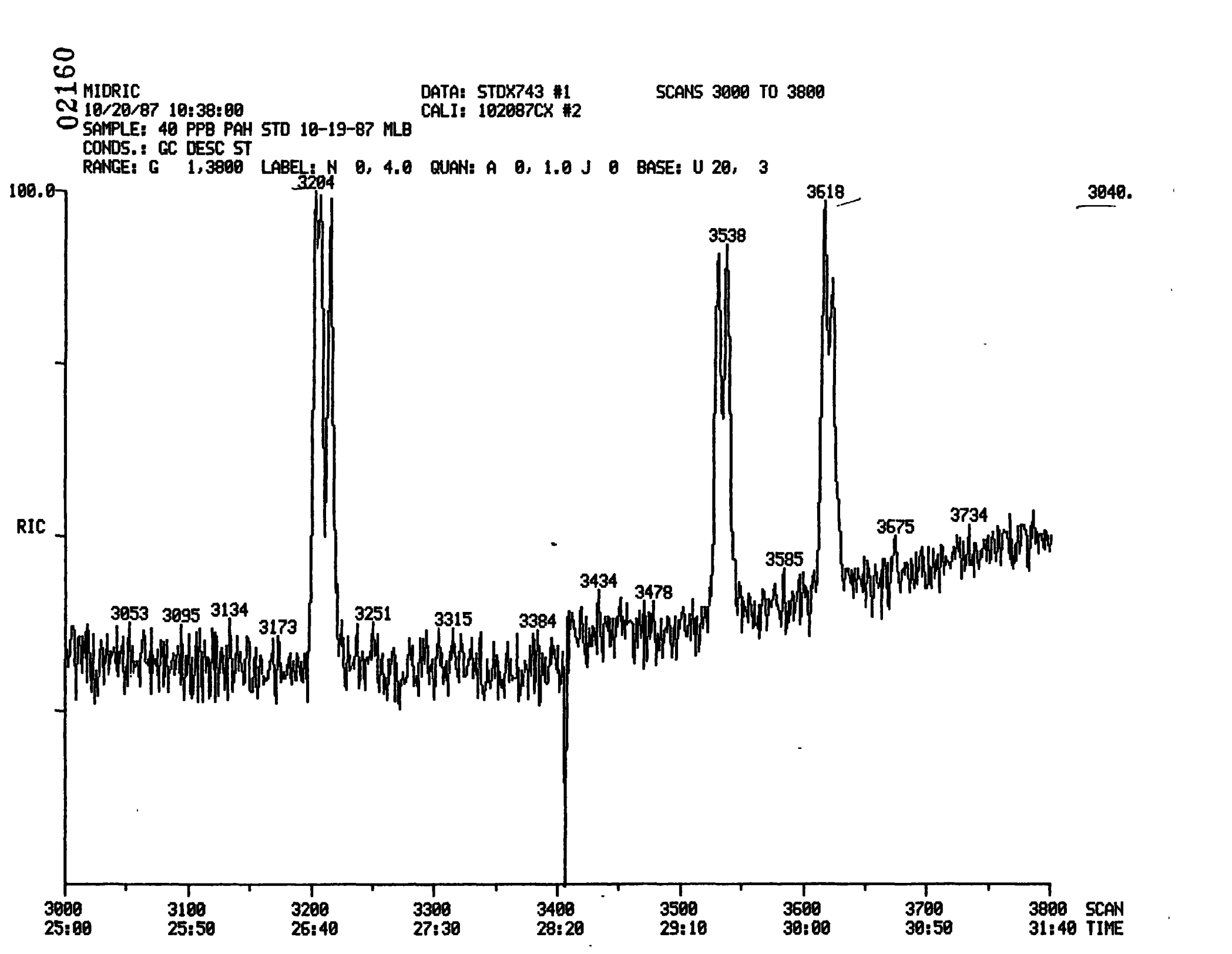
10/20/87 11:06:47 SCAN 3407 OF 3800

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

10/20/87 11:10:06
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	191.6	1899.5	10.1	15196.	4. 8.


02160
MIDRIC
10/20/87 10:38:00
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDX743 #1
CALI: 102087CX #2
SCANS 3000 TO 3800
100.0
RIC
3040.
3204
3618
3538
3053
3095
3134
3173
3251
3315
3384
3434
3478
3585
3675
3734
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: STDX743

02161

Data: STDX743.TI
10/20/87 10:38:00
Sample: 40 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

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

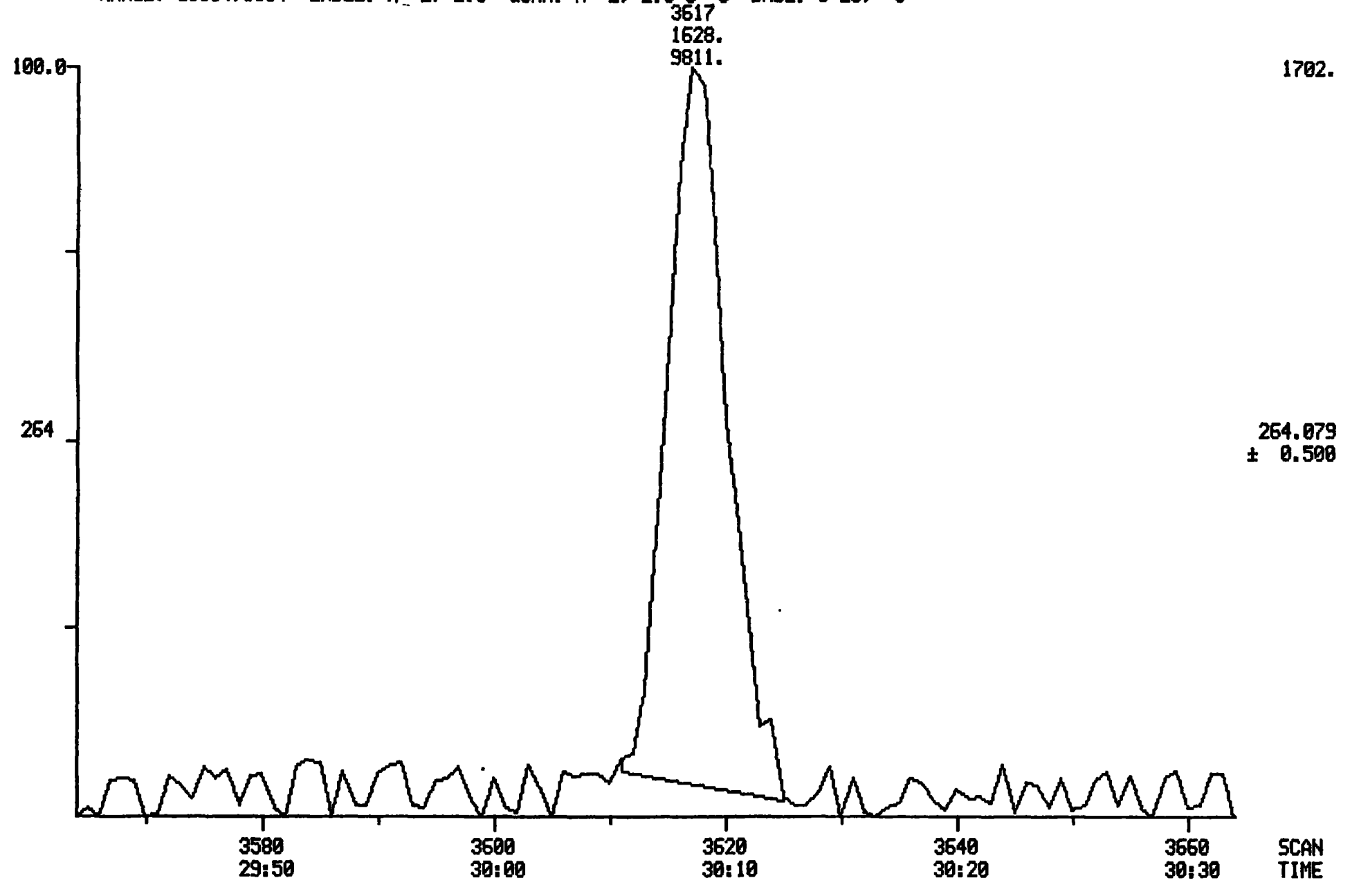
No	Name		
1	D12-BENZO(A)PYRENE	264	IPH# 01
2	D12-CHRYSENE	240	SPH# 02
3	BENZO(A)ANTHRACENE	228	PH# 03
4	BENZO(A)ANTHRACENE	226	PH# 04
5	CHRYSENE	228	PH# 05
6	CHRYSENE	226	PH# 06
7	BENZO(B)FLUORANTHENE	252	PH# 07
8	BENZO(B)FLUORANTHENE	250	PH# 08
9	BENZO(K)FLUORANTHENE	252	PH# 09
10	BENZO(K)FLUORANTHENE	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	3617	30:08	1	1.000	A BB	9811.	80.000	NG/ML	17.24
2	240	3208	26:44	1	0.887	A BB	7995.	40.692	NG/ML	8.77
3	228	3204	26:42	1	0.886	A BB	7495.	39.857	NG/ML	8.59
4	226	3203	26:41	1	0.886	A BB	1636.	33.619	NG/ML	7.24
5	228	3216	26:48	1	0.889	A BB	8072.	40.301	NG/ML	8.68
6	226	3216	26:48	1	0.889	A BB	1980.	33.118	NG/ML	7.14
7	252	3531	29:25	1	0.976	A BV	7688.	40.320	NG/ML	8.69
8	250	3530	29:25	1	0.976	A BV	1227.	30.274	NG/ML	6.52
9	252	3538	29:29	1	0.978	A VB	6285.	35.905	NG/ML	7.74
10	250	3538	29:29	1	0.978	A VB	1084.	26.722	NG/ML	5.76
11	252	3624	30:12	1	1.002	A BB	5371.	38.101	NG/ML	8.21
12	250	3624	30:12	1	1.002	A BB	846.	25.141	NG/ML	5.42

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	40.69	40.00	1.630	1.602	1.02
3	26:41	1.00	0.886	1.00	39.86	40.00	1.528	1.533	1.00
4	26:42	1.00	0.887	1.00	33.62	40.00	0.334	0.397	0.84
5	26:48	1.00	0.890	1.00	40.30	40.00	1.645	1.633	1.01
6	26:48	1.00	0.890	1.00	33.12	40.00	0.404	0.488	0.83
7	29:25	1.00	0.977	1.00	40.32	40.00	1.567	1.555	1.01
8	29:25	1.00	0.977	1.00	30.27	40.00	0.250	0.330	0.76
9	29:28	1.00	0.978	1.00	35.91	40.00	1.281	1.427	0.90
10	29:28	1.00	0.978	1.00	26.72	40.00	0.221	0.331	0.67
11	30:10	1.00	1.002	1.00	38.10	40.00	1.095	1.150	0.95
12	30:10	1.00	1.002	1.00	25.14	40.00	0.172	0.274	0.63

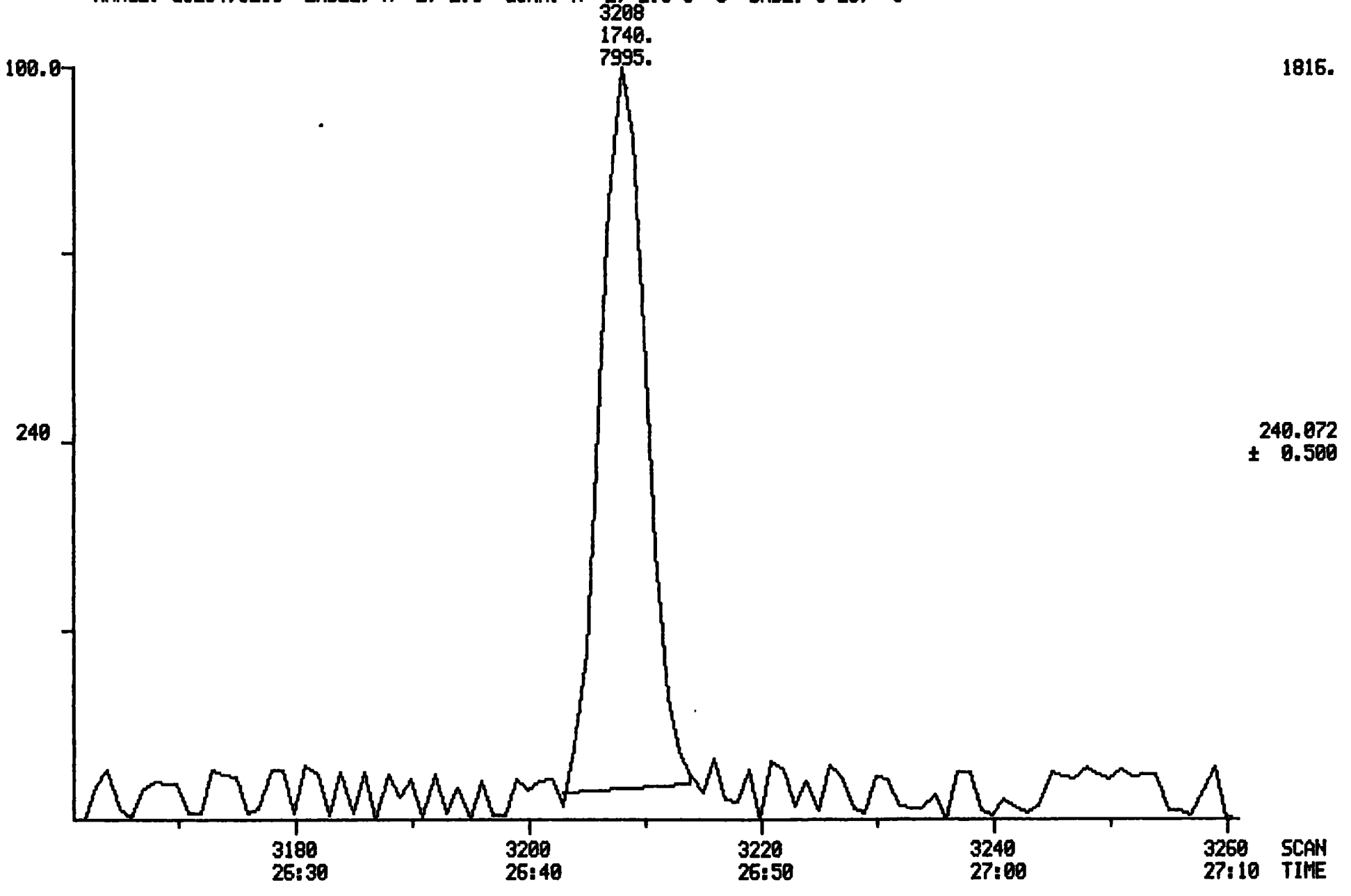
02162

MIDMASS CHROMATOGRAM DATA: STDX743 #3614 SCANS 3564 TO 3664
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



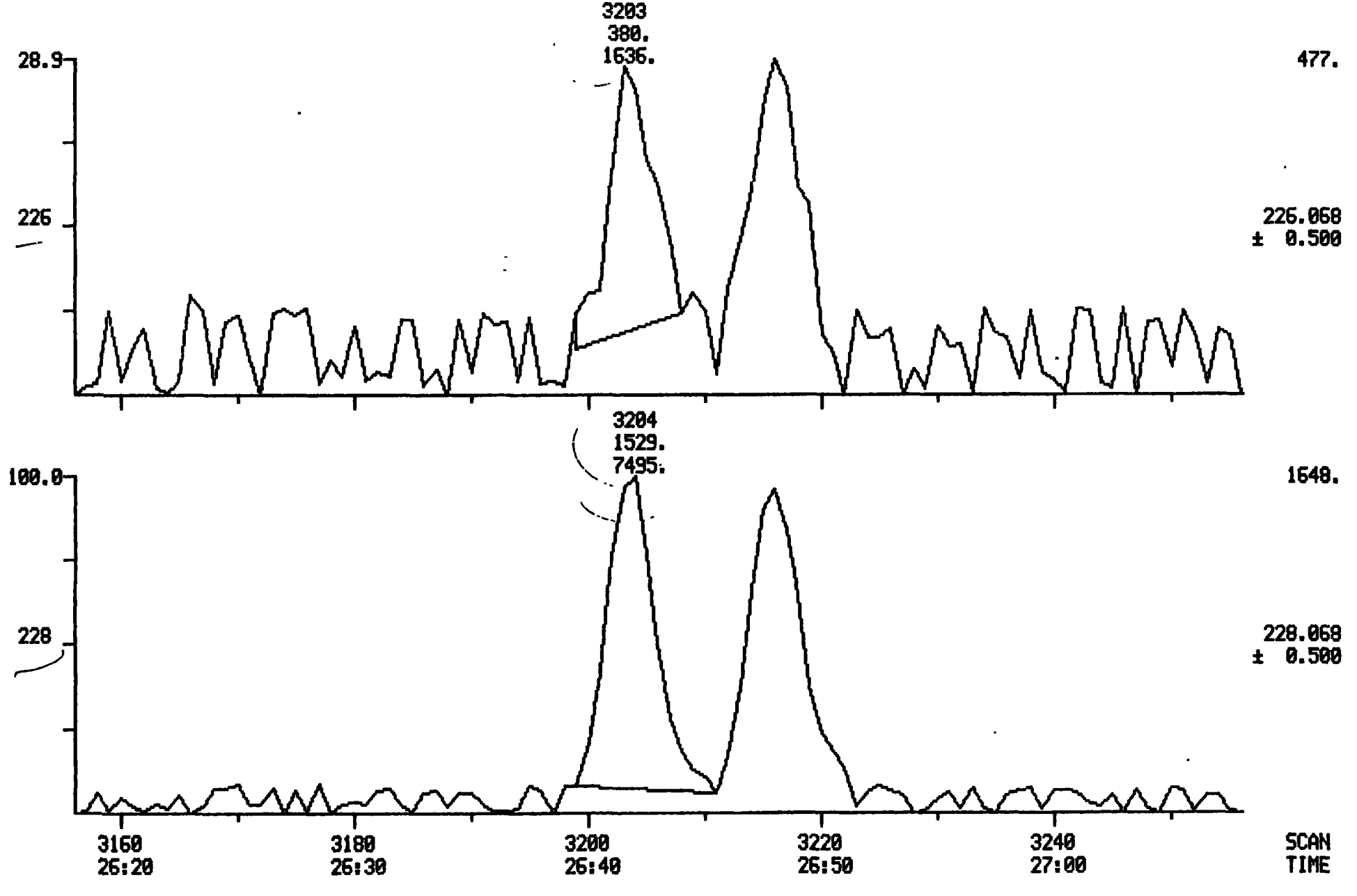
02163

MIDMASS CHROMATOGRAM DATA: STDX743 #3211 SCANS 3161 TO 3261
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3204,3218 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



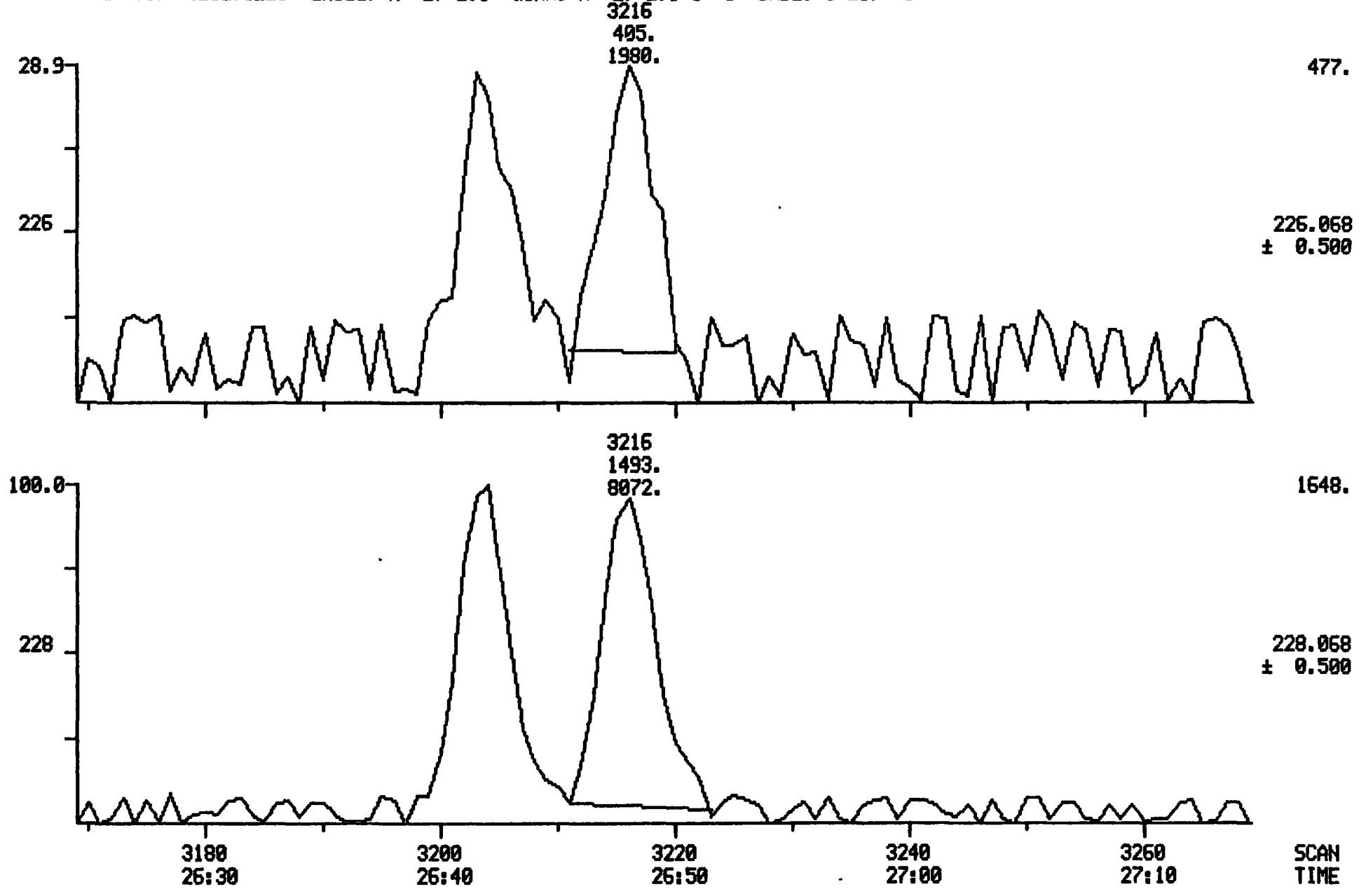
02164

MIDMASS CHROMATOGRAMS DATA: STDX743 #3206 SCANS 3156 TO 3256
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3199,3213 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



02165

MIDMASS CHROMATOGRAMS DATA: STDX743 #3219 SCANS 3169 TO 3269
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3212,3226 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

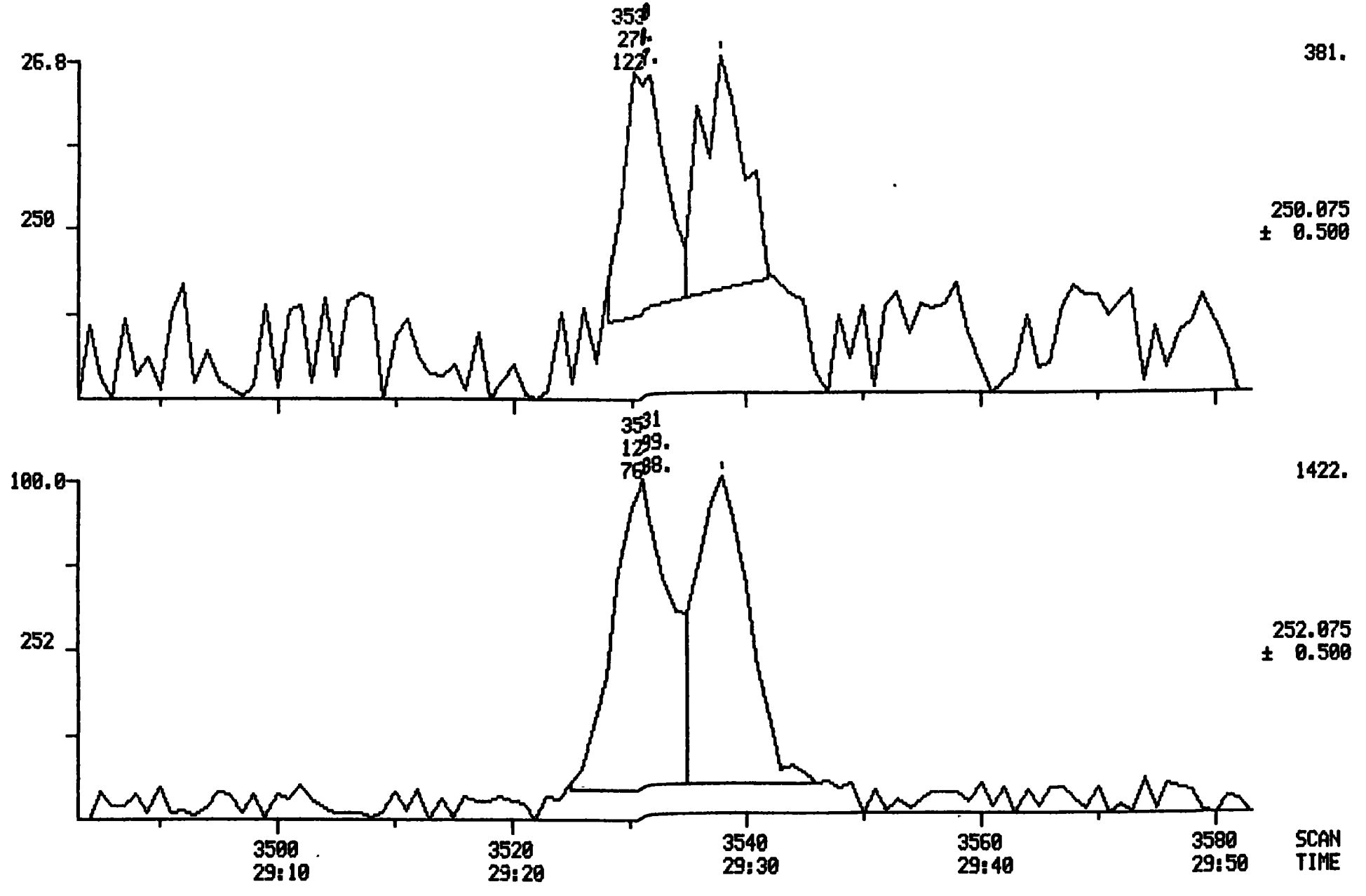


02166

MIDMASS CHROMATOGRAMS
10/20/87 10:38:00
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3526,3540 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STDX74 #3533
CALI: 102087X #2

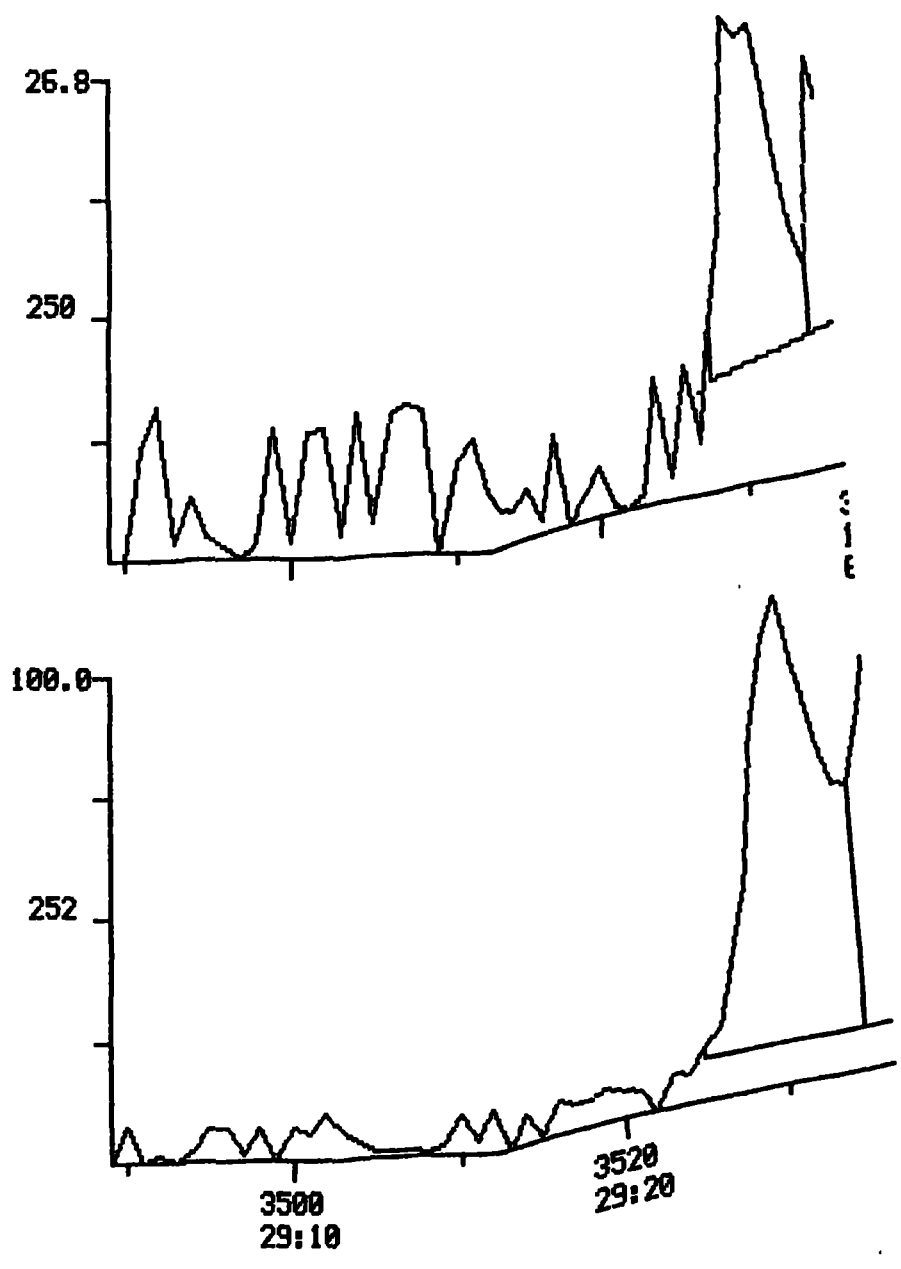
SCANS 3483 TO 3583



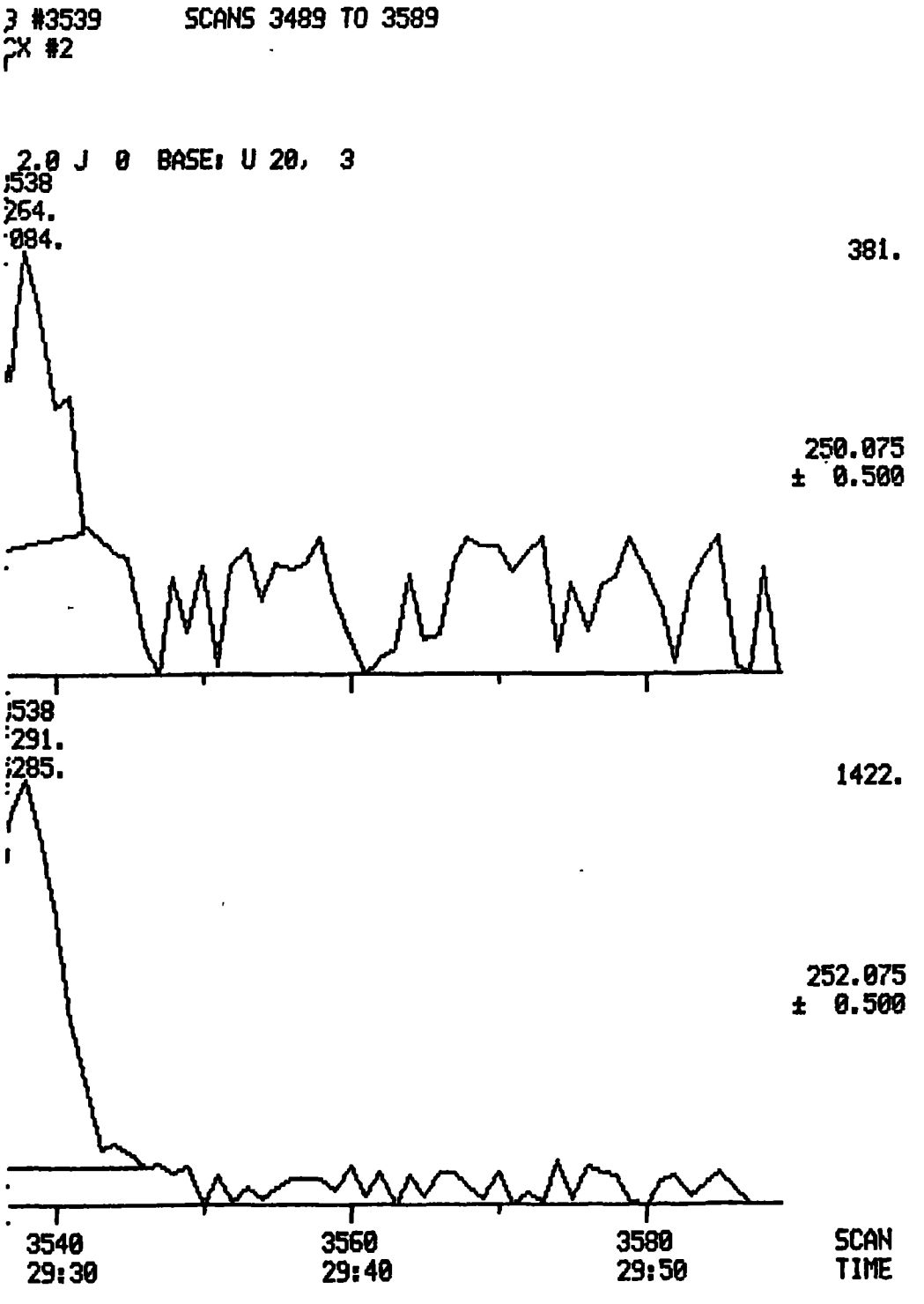
DATA: STDX74
CALI: 102087

02167

MIDMASS CHROMATOGRAMS
10/20/87 10:38:00
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3532,3546 LABEL: N 2, 2.0 QUAN: A 2,

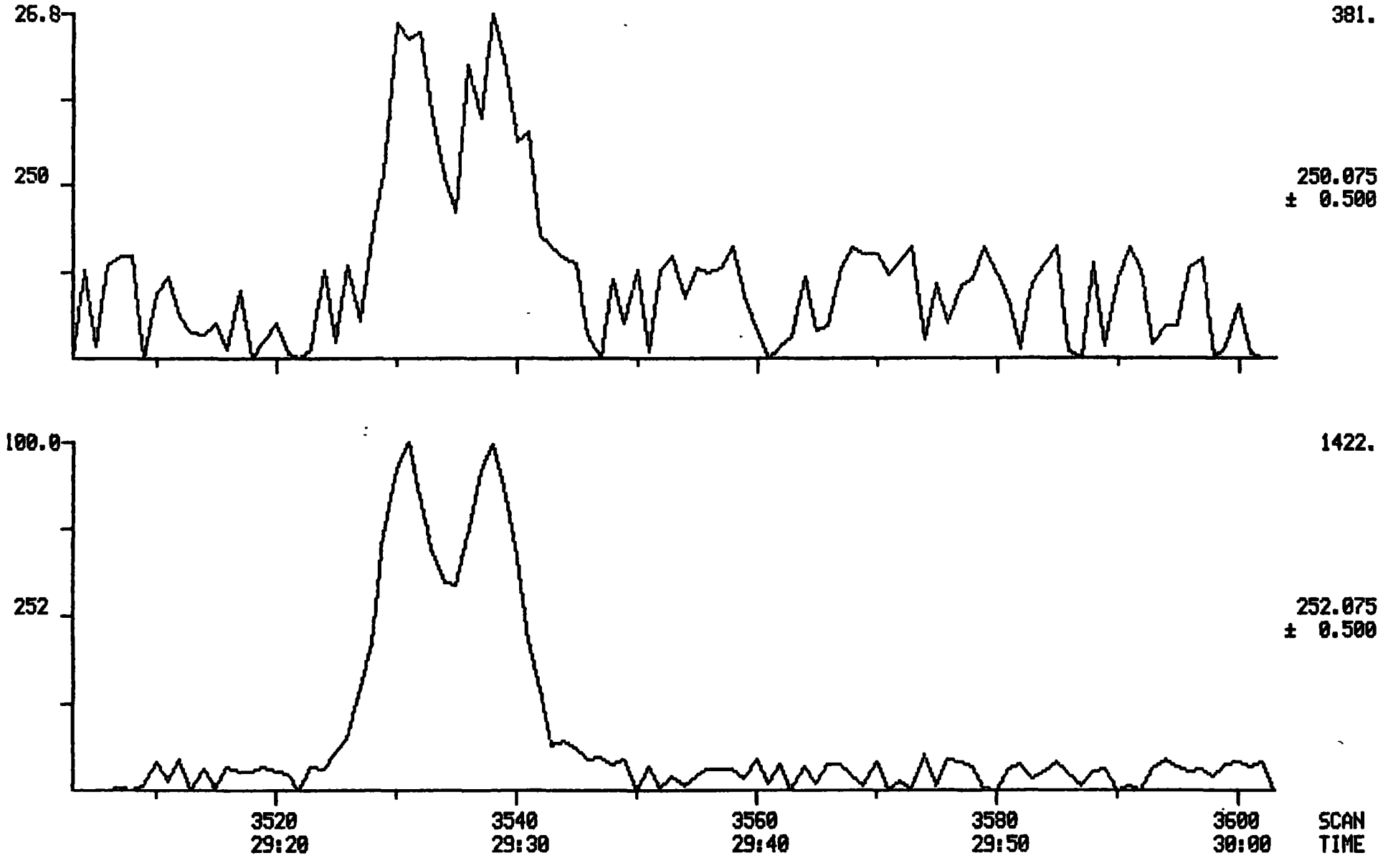


02168


3 #3539 SCANS 3489 TO 3589
2X #2
2.0 J 0 BASE: U 20, 3
538
264.
084.
381.
250.075
± 0.500
538
291.
285.
1422.
252.075
± 0.500
3540
29:30
3560
29:40
3580
29:50
SCAN
TIME

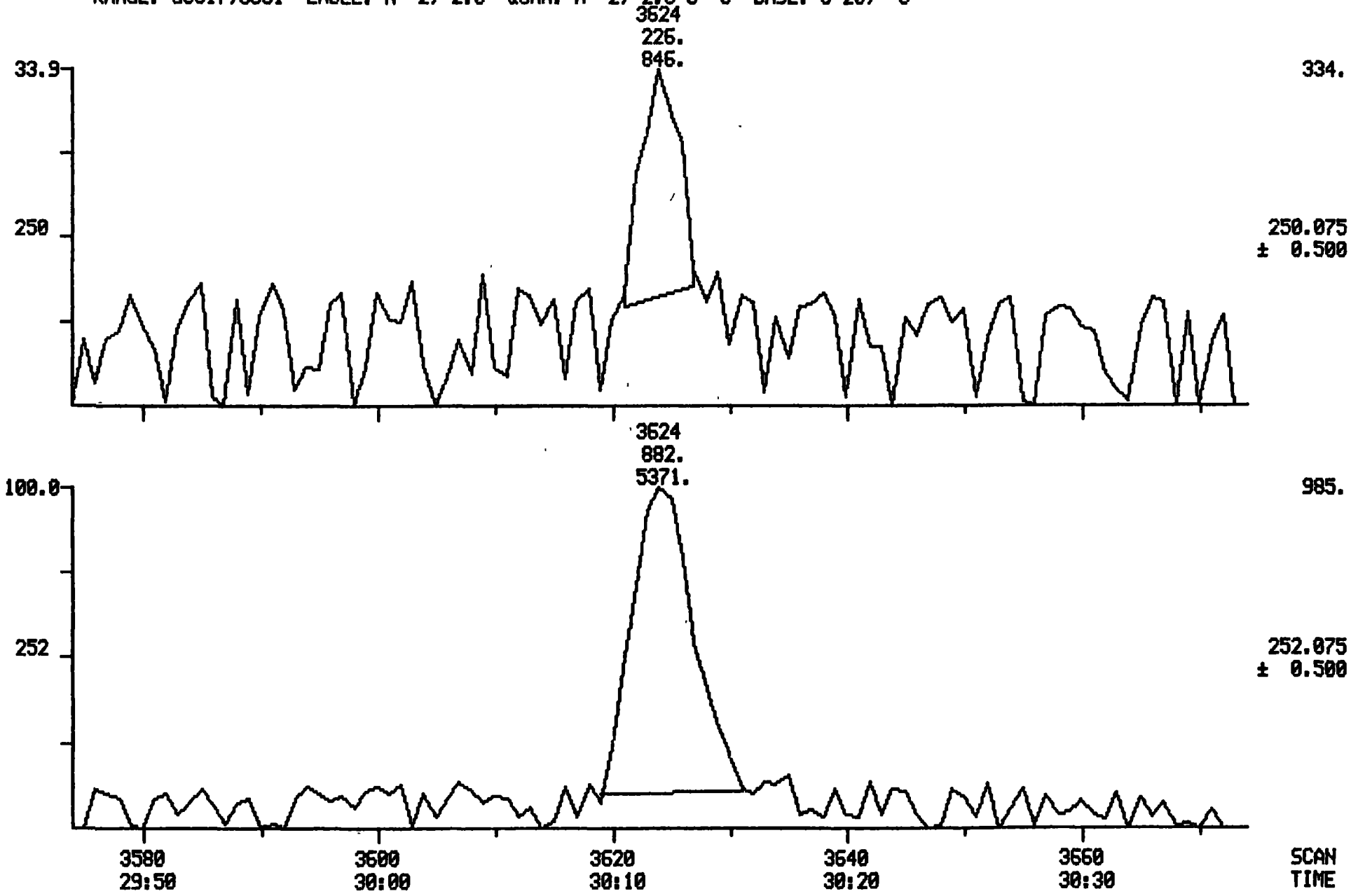
02169

MIDMASS CHROMATOGRAMS DATA: STDX743 #3553 SCANS 3503 TO 3603
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3546,3560 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



021170

MIDMASS CHROMATOGRAMS DATA: STDX743 #3624 SCANS 3574 TO 3674
10/20/87 10:38:00 CALI: 102087CX #2
SAMPLE: 40 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3617,3631 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX744. STARTED :10/21/87 12:58:50

02171

10/20/87 11:42:00 SCAN 1 OF 3800
Acquisition started

Acquire Run 0:STDX744 ACQUIRING
10/20/87 11:41:00 + 0:03 Free sectors: 27412 Scan: 7 of 3800
Sample: 800 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 31 DegC Injector : 265 DegC
Current GC Desc:ST GC elapsed time : 0: 7 min Int. oven : 250 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 **********
***** 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	

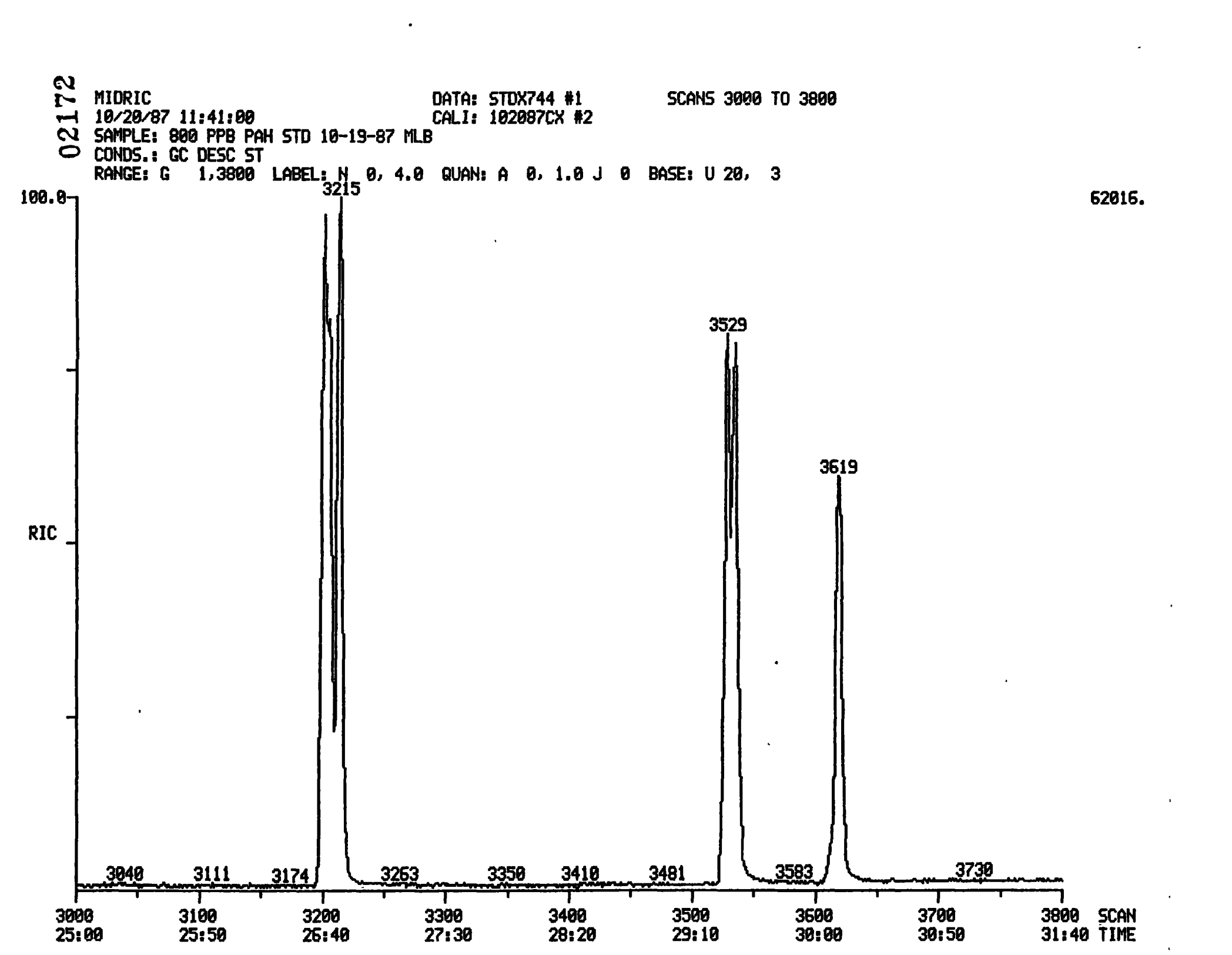
10/20/87 12:10:25 SCAN 3407 OF 3800

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

10/20/87 12:13:44
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	189.7	1899.5	10.0	15196.	4. 8.


02172
MIDRIC
10/20/87 11:41:00
DATA: STDX744 #1
CALI: 102087CX #2
SCANS 3000 TO 3800
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
62016.
RIC
3215
3529
3619
3040
3111
3174
3263
3350
3410
3481
3583
3730
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: STDX744

Data: STDX744.TI
10/20/87 11:41:00

02173

Sample: 800 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

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

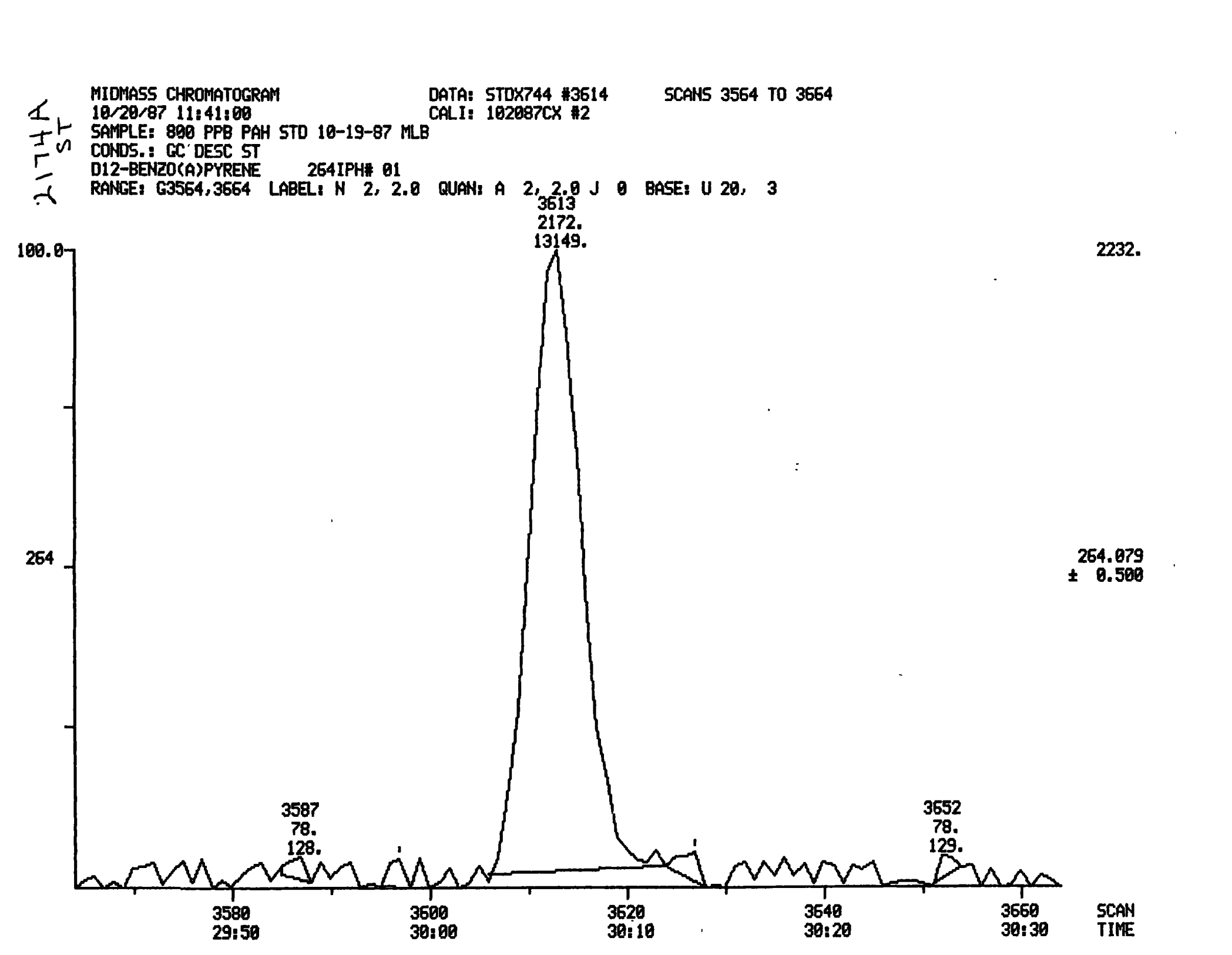
No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	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	3613	30:06	1	1.000	A BB	13149.	80.000	NG/ML	0.82
2	240	3207	26:43	1	0.888	A BB	219328.	832.891	NG/ML	8.55
3	228	3202	26:41	1	0.886	A BV	230195.	913.367	NG/ML	9.37
4	226	3202	26:41	1	0.886	A BV	58834.	902.064	NG/ML	9.26
5	228	3215	26:47	1	0.890	A VB	234391.	873.137	NG/ML	8.96
6	226	3215	26:47	1	0.890	A VB	67038.	836.620	NG/ML	8.59
7	252	3529	29:24	1	0.977	A BV	224212.	877.381	NG/ML	9.01
8	250	3529	29:24	1	0.977	A BV	49260.	906.817	NG/ML	9.31
9	252	3535	29:27	1	0.978	A VB	201670.	859.559	NG/ML	8.82
10	250	3535	29:27	1	0.978	A VB	45987.	846.215	NG/ML	8.69
11	252	3619	30:09	1	1.002	A BB	174999.	926.191	NG/ML	9.51
12	250	3620	30:10	1	1.002	A BB	40069.	888.709	NG/ML	9.12

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	832.89	80.00	16.680	1.602	10.41
3	26:41	1.00	0.886	1.00	913.37	80.00	17.506	1.533	11.42
4	26:42	1.00	0.887	1.00	902.06	80.00	4.474	0.397	11.28
5	26:48	1.00	0.890	1.00	873.14	80.00	17.825	1.633	10.91
6	26:48	1.00	0.890	1.00	836.62	80.00	5.098	0.488	10.46
7	29:25	1.00	0.977	1.00	877.38	80.00	17.051	1.555	10.97
8	29:25	1.00	0.977	1.00	906.82	80.00	3.746	0.330	11.34
9	29:28	1.00	0.978	1.00	859.56	80.00	15.337	1.427	10.74
10	29:28	1.00	0.978	1.00	846.22	80.00	3.497	0.331	10.58
11	30:10	1.00	1.002	1.00	926.19	80.00	13.308	1.150	11.58
12	30:10	1.00	1.002	1.00	888.71	80.00	3.047	0.274	11.11

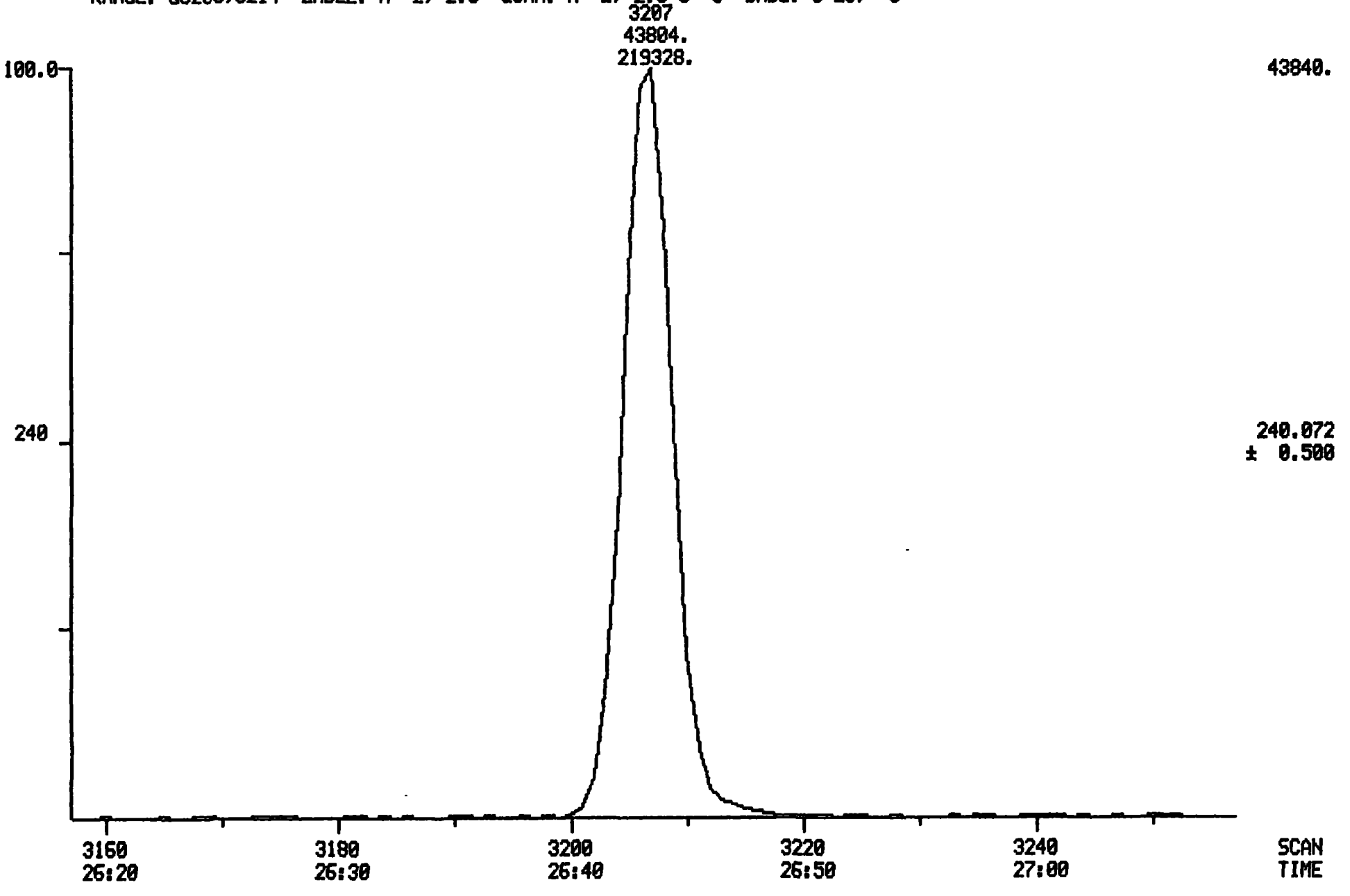
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
12	29: 28	1. 00	0. 978	1. 00	846. 22	80. 00	3. 497	0. 331	10. 58
13	30: 10	1. 00	1. 002	1. 00	926. 19	80. 00	13. 308	1. 150	11. 58
14	30: 10	1. 00	1. 002	1. 00	888. 71	80. 00	3. 047	0. 274	11. 11

02174


MIDMASS CHROMATOGRAM
10/20/87 11:41:00
DATA: STDX744 #3614
CALI: 102087CX #2
SCANS 3564 TO 3664
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3
3613
2172.
13149.
100.0
2232.
264
264.079
± 0.500
3587
78.
128.
3652
78.
129.
3580
29:50
3600
30:00
3620
30:10
3640
30:20
3660
30:30
SCAN
TIME

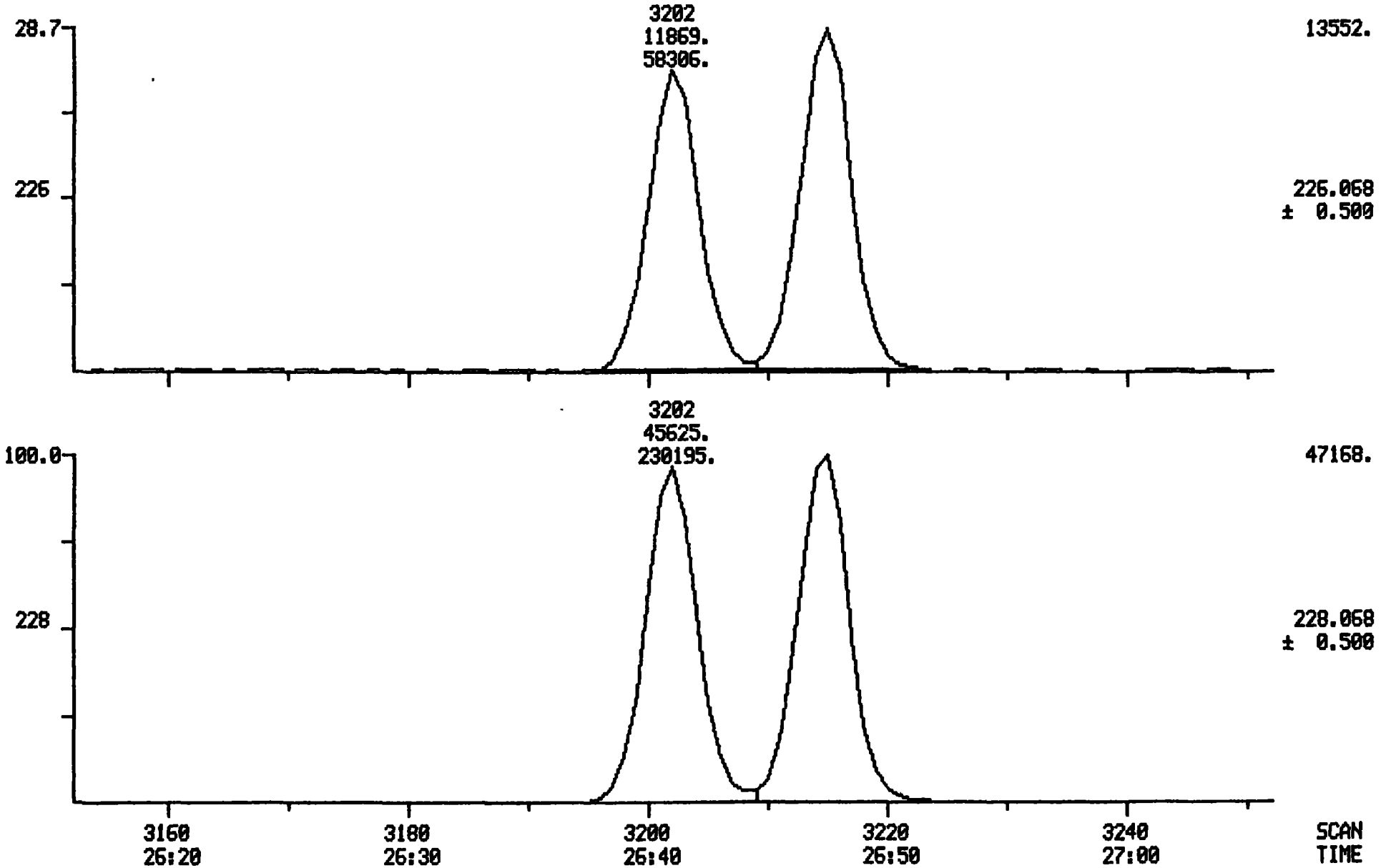
02175

MIDMASS CHROMATOGRAM DATA: STDX744 #3207 SCANS 3157 TO 3257
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3200,3214 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



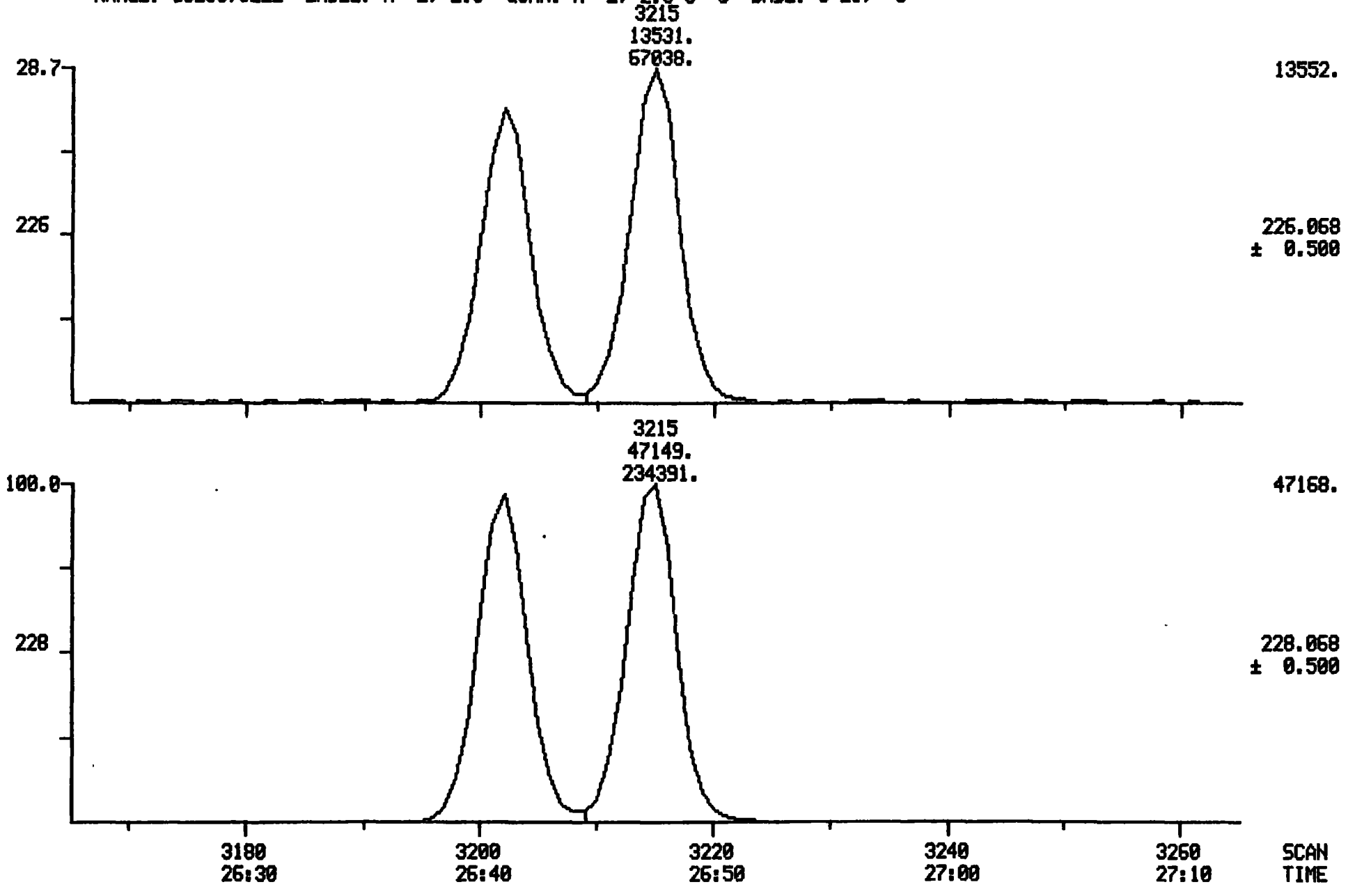
021176

MIDMASS CHROMATOGRAMS DATA: STDX744 #3202 SCANS 3152 TO 3252
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3195,3209 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



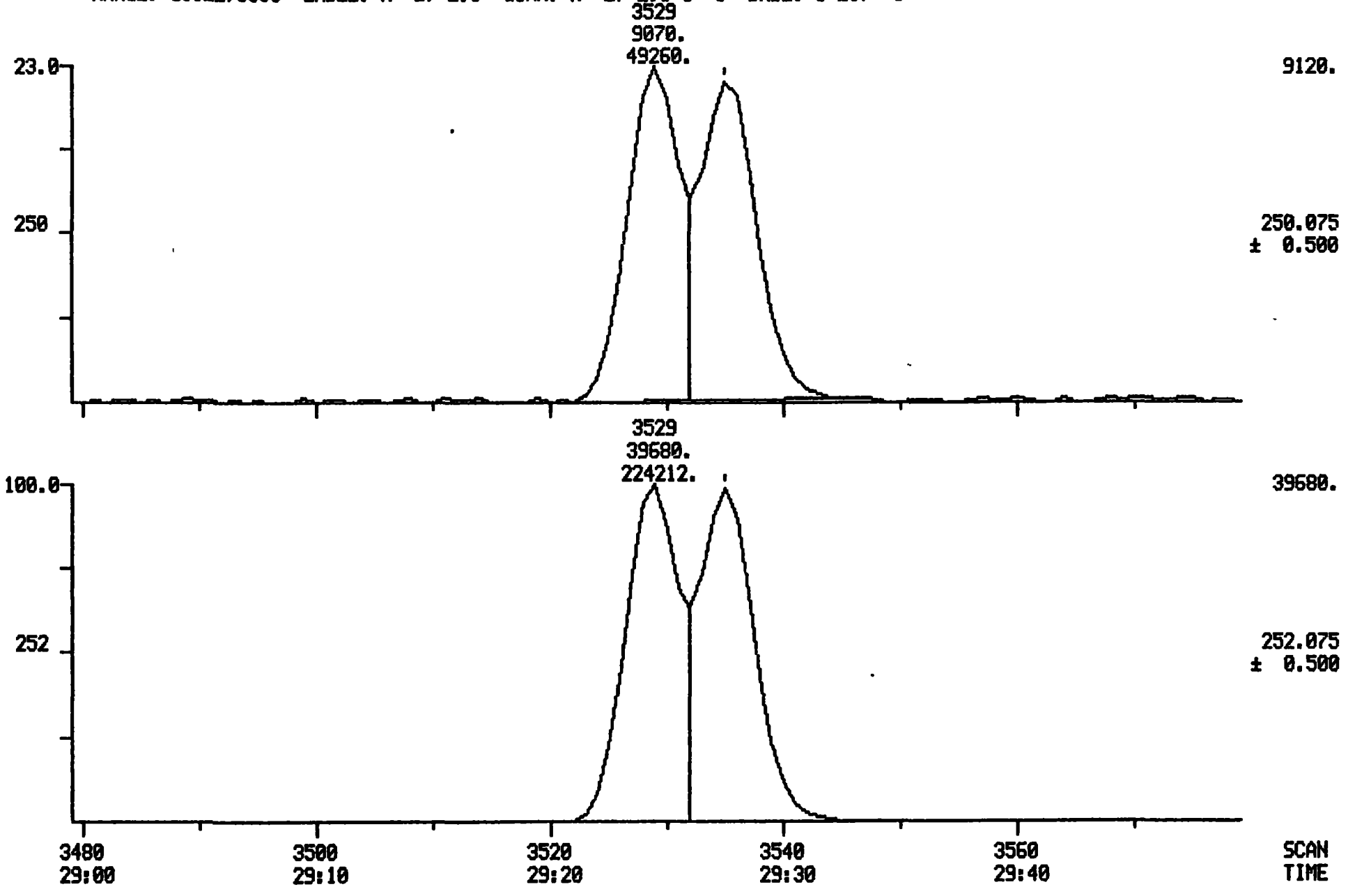
02177

MIDMASS CHROMATOGRAMS DATA: STDX744 #3215 SCANS 3165 TO 3265
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3208,3222 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

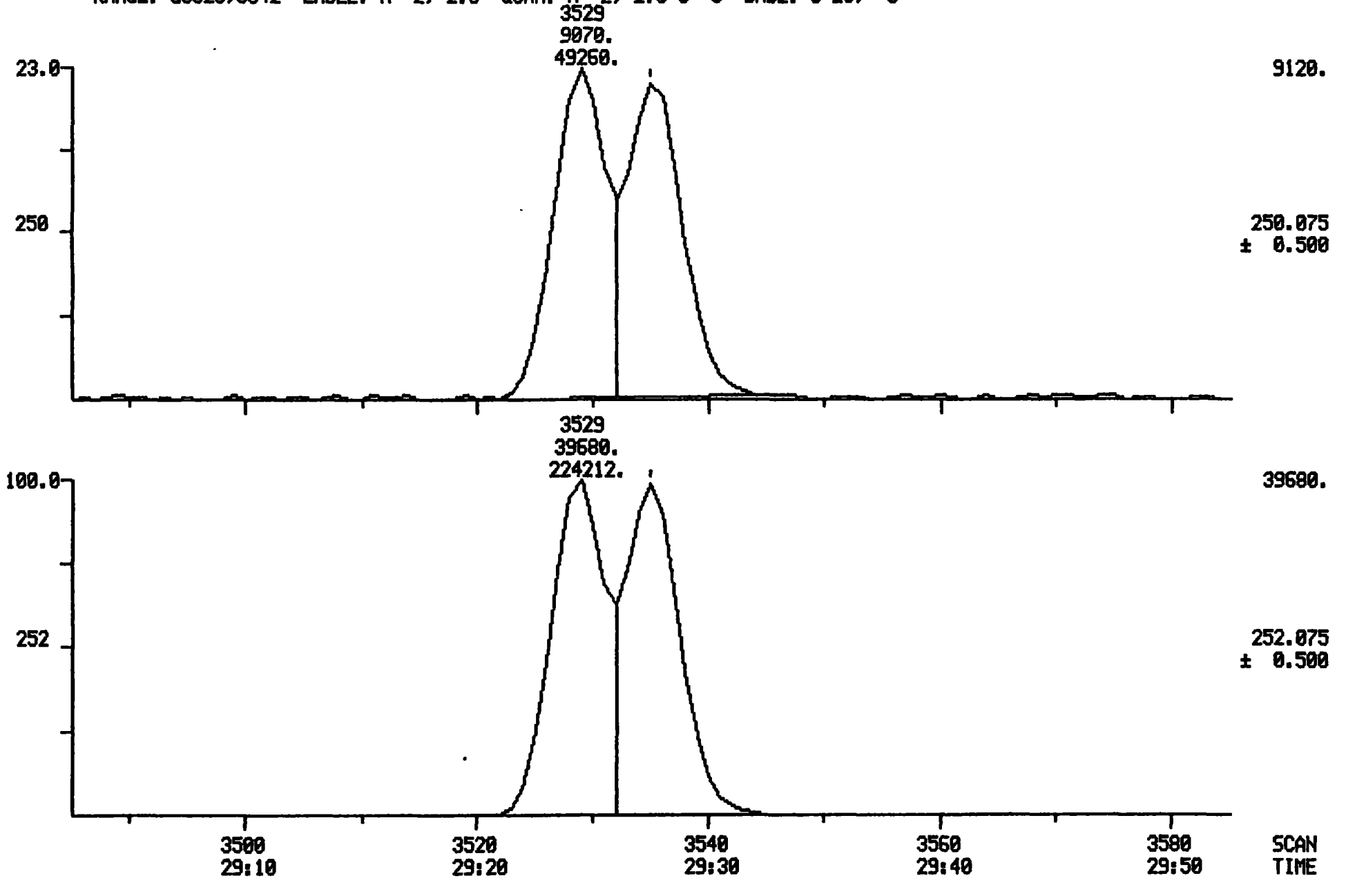


021178

MIDMASS CHROMATOGRAMS DATA: STDX744 #3529 SCANS 3479 TO 3579
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3522,3536 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

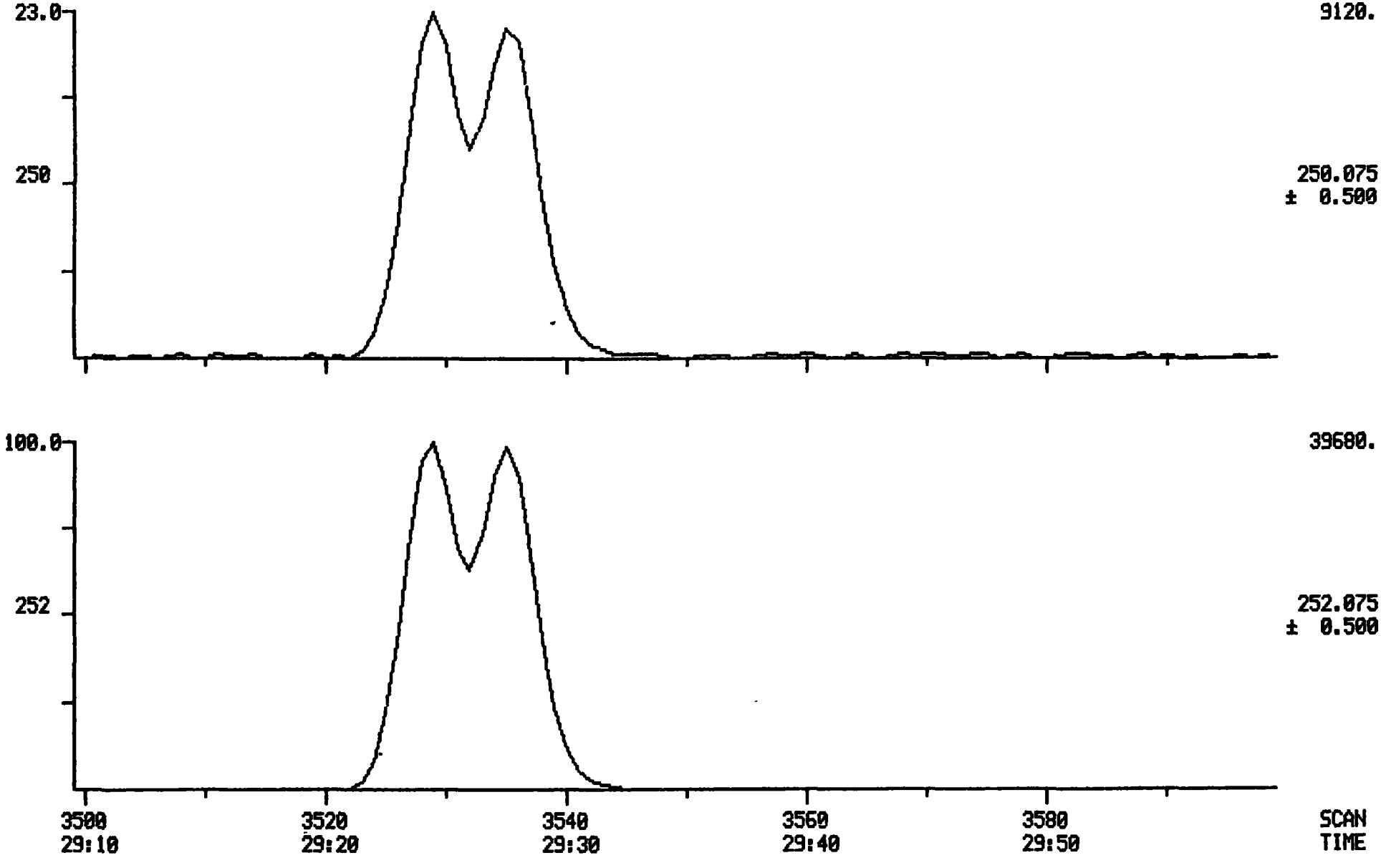


MIDMASS CHROMATOGRAMS DATA: STDX744 #3535 SCANS 3485 TO 3585
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3528,3542 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



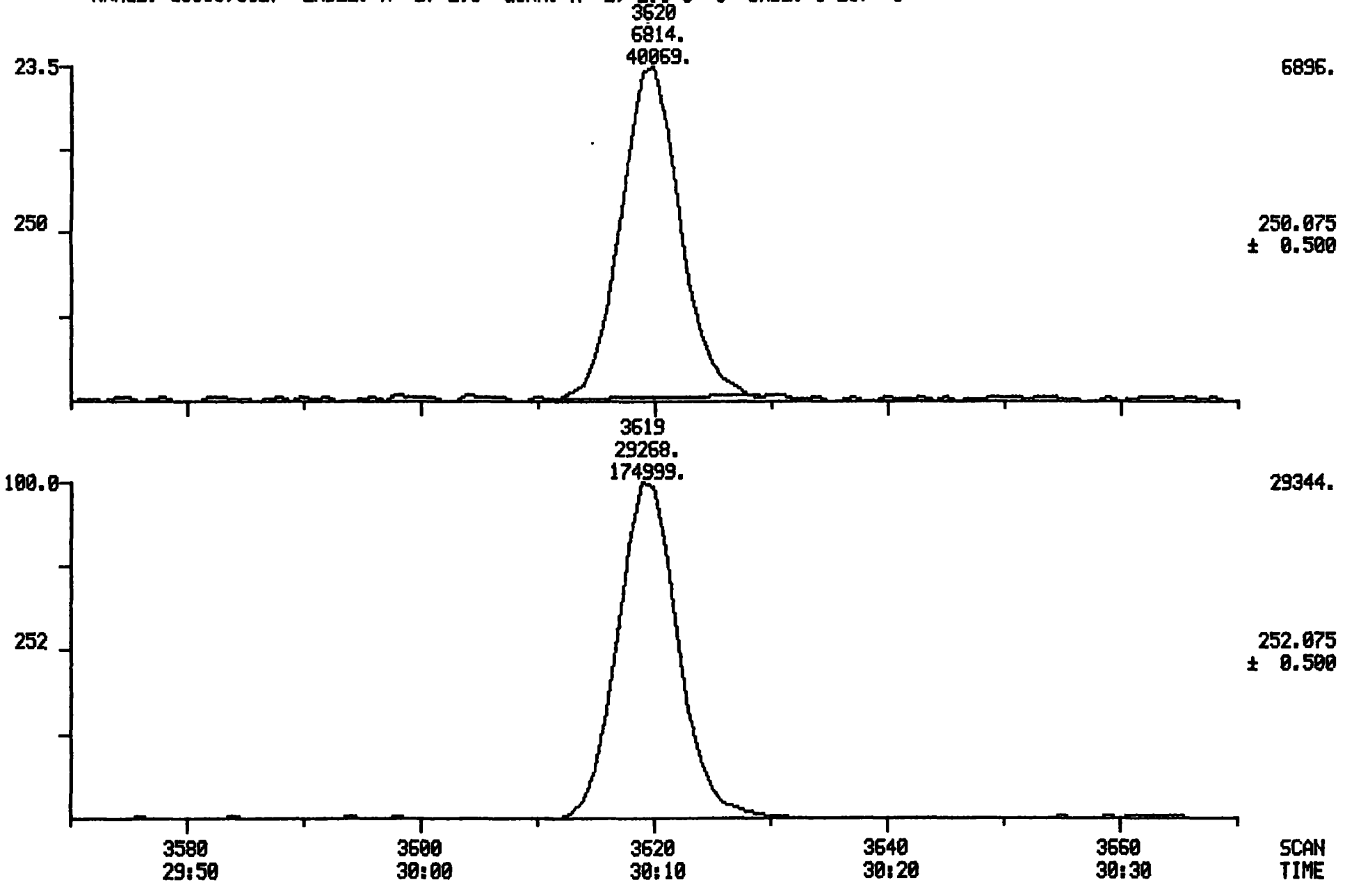
02180

MIDMASS CHROMATOGRAMS DATA: STDX744 #3549 SCANS 3499 TO 3599
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3542,3556 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



02181

MIDMASS CHROMATOGRAMS DATA: STDX744 #3620 SCANS 3570 TO 3670
10/20/87 11:41:00 CALI: 102087CX #2
SAMPLE: 800 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3613,3627 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE: D:STDX745. STARTED :10/21/87 12:44:11

GK

02182

10/20/87 13:06:49 SCAN 1 OF 3800
Acquisition started

Acquire Run 0:STDX745 ACQUIRING
10/20/87 13:06:00 + 0:03 Free sectors: 27150 Scan: 7 of 3800
Sample: 400 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int.oven : 250 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 **********
***** 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	

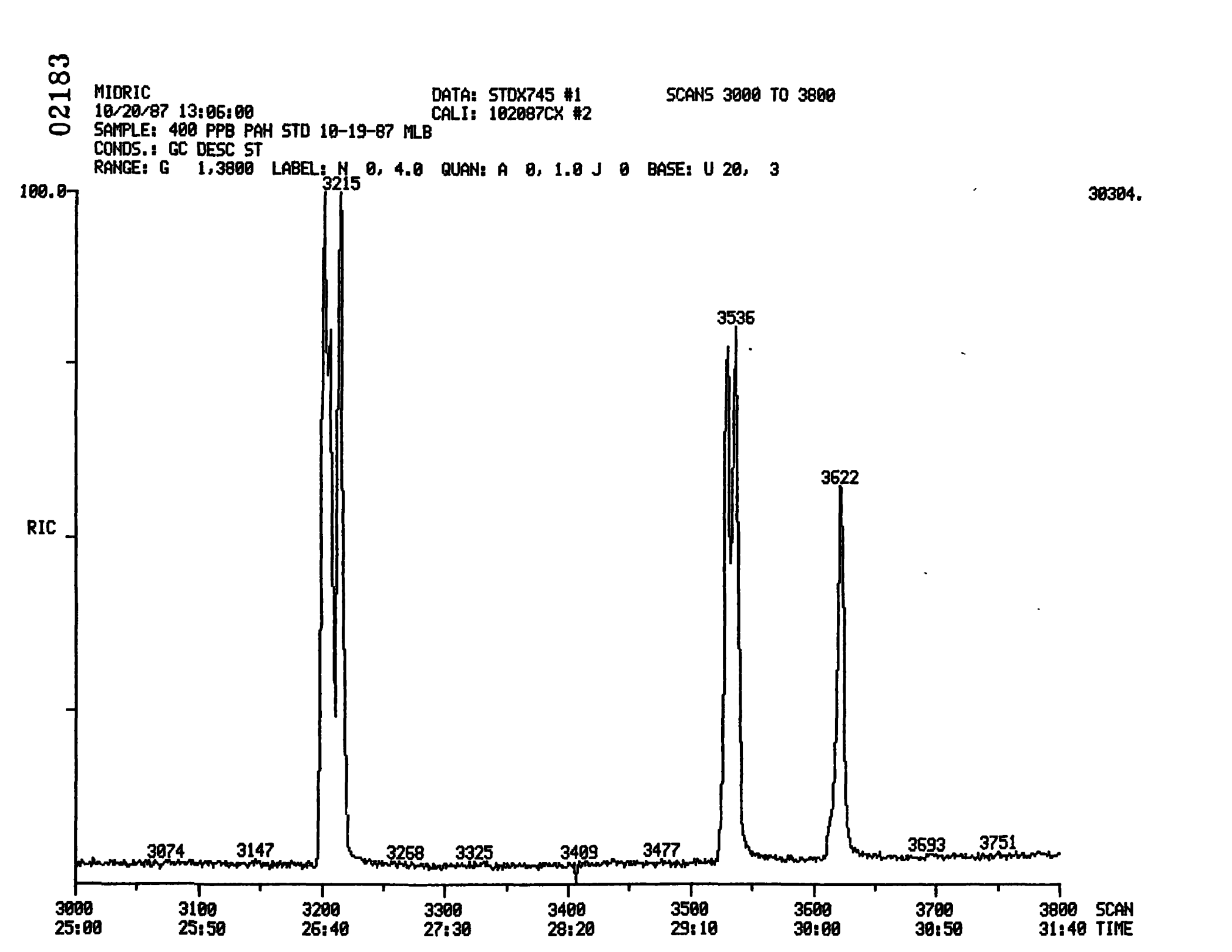
10/20/87 13:35:14 SCAN 3407 OF 3800

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

10/20/87 13:38:33
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3799	189.3	1899.5	10.0	14951.	4. 8.


02183
MIDRIC
10/20/87 13:06:00
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
RANGE: G 1,3800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: STDX745 #1
CALI: 102087CX #2
SCANS 3000 TO 3800
100.0
30304.
RIC
3215
3536
3622
3074
3147
3268
3325
3409
3477
3693
3751
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: STDX745

02184

Data: STDX745.TI
10/20/87 13:06:00
Sample: 400 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC 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	252 PH# 07
9	BENZO(B)FLUORANTHENE	250 PH# 08
10	BENZO(B)FLUORANTHENE	250 PH# 08
11	BENZO(K)FLUORANTHENE	252 PH# 09
12	BENZO(K)FLUORANTHENE	252 PH# 09
13	BENZO(K)FLUORANTHENE	250 PH# 10
14	BENZO(K)FLUORANTHENE	250 PH# 10
15	BENZO(A)PYRENE	252 PH# 13
16	BENZO(A)PYRENE	250 PH# 14

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	264	3615	30:07	1	1.000	A BB	11709.	80.000	NG/ML	1.14
2	240	3207	26:43	1	0.887	A BB	104805.	446.957	NG/ML	6.40
3	228	3202	26:41	1	0.886	A BV	111657.	497.539	NG/ML	7.12
4	226	3202	26:41	1	0.886	A BV	27860.	479.716	NG/ML	6.87
5	228	3215	26:47	1	0.889	A VB	114351.	478.379	NG/ML	6.85
6	226	3216	26:48	1	0.890	A VB	31303.	438.718	NG/ML	6.28
7	252	3530	29:25	1	0.976	A BV	100582.	442.018	NG/ML	6.33
8	252	3536	29:28	1	0.978	A VB	97762.	429.624	NG/ML	6.15
9	250	3530	29:25	1	0.976	A BV	22266.	460.321	NG/ML	6.59
10	250	3537	29:28	1	0.978	A VB	21785.	450.365	NG/ML	6.45
11	252	3530	29:25	1	0.976	A BV	100775.	482.364	NG/ML	6.90
12	252	3536	29:28	1	0.978	A VB	98455.	471.261	NG/ML	6.74
13	250	3530	29:25	1	0.976	A BV	22266.	460.135	NG/ML	6.59
14	250	3537	29:28	1	0.978	A VB	21785.	450.183	NG/ML	6.44
15	252	3622	30:11	1	1.002	A BB	80014.	475.577	NG/ML	6.81
16	250	3623	30:11	1	1.002	A BB	17842.	444.404	NG/ML	6.36

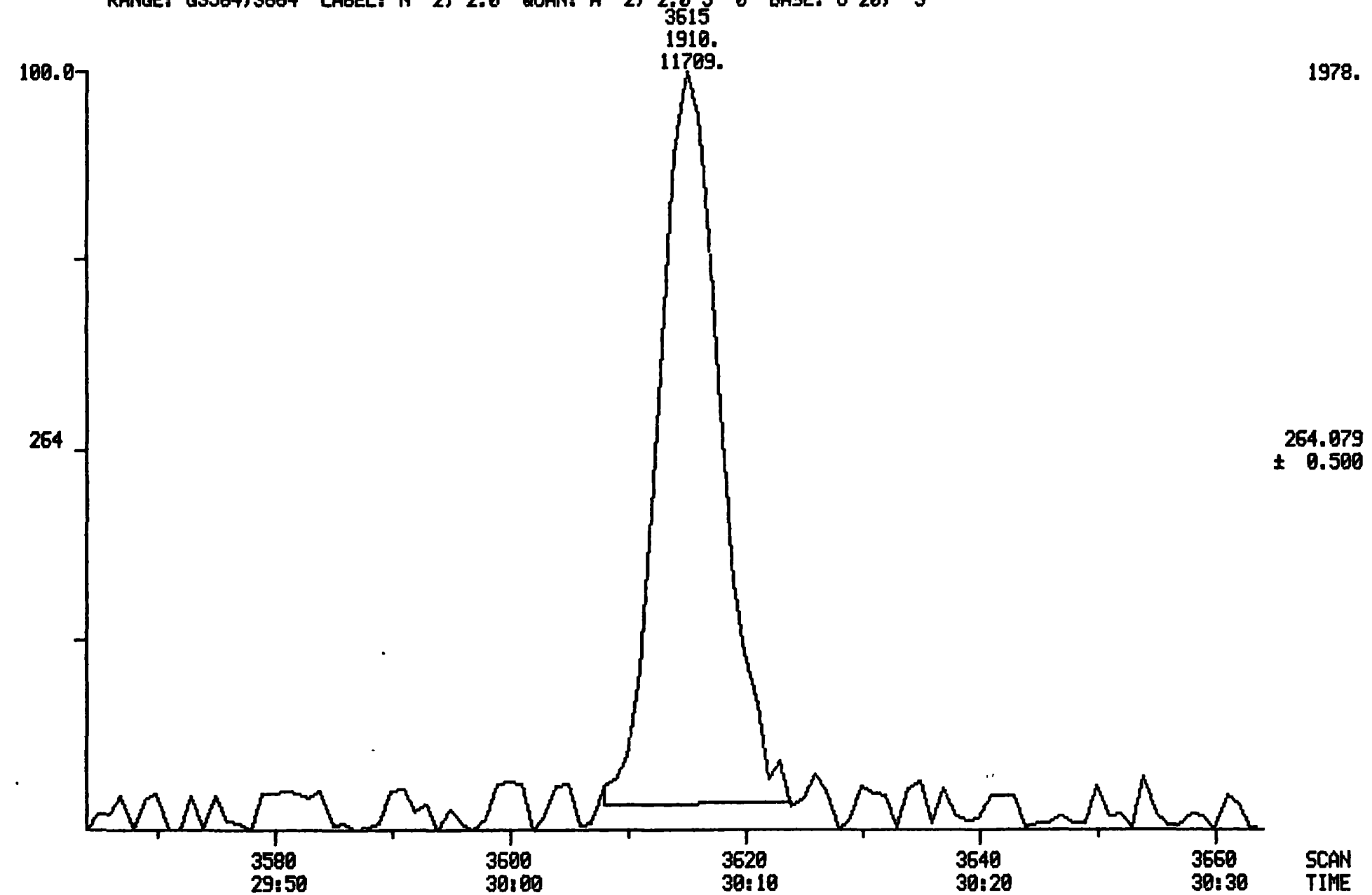
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	446.96	80.00	8.951	1.602	5.59
3	26:41	1.00	0.886	1.00	497.54	80.00	9.536	1.533	6.22
4	26:42	1.00	0.887	1.00	479.72	80.00	2.379	0.397	6.00
5	26:48	1.00	0.890	1.00	478.38	80.00	9.766	1.633	5.98
6	26:48	1.00	0.890	1.00	438.72	80.00	2.673	0.488	5.48
7	29:25	1.00	0.977	1.00	442.02	80.00	8.590	1.555	5.53

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	29:25	1.00	0.977	1.00	429.62	80.00	8.349	1.555	5.37
9	29:25	1.00	0.977	1.00	460.32	80.00	1.902	0.330	5.75
10	29:25	1.00	0.977	1.00	450.37	80.00	1.861	0.330	5.63
11	29:28	1.00	0.978	1.00	482.36	80.00	8.607	1.427	6.03
12	29:28	1.00	0.978	1.00	471.26	80.00	8.408	1.427	5.89
13	29:28	1.00	0.978	1.00	460.13	80.00	1.902	0.331	5.75
14	29:28	1.00	0.978	1.00	450.18	80.00	1.861	0.331	5.63
15	30:10	1.00	1.002	1.00	475.58	80.00	6.834	1.150	5.94
16	30:10	1.00	1.002	1.00	444.40	80.00	1.524	0.274	5.56

02185

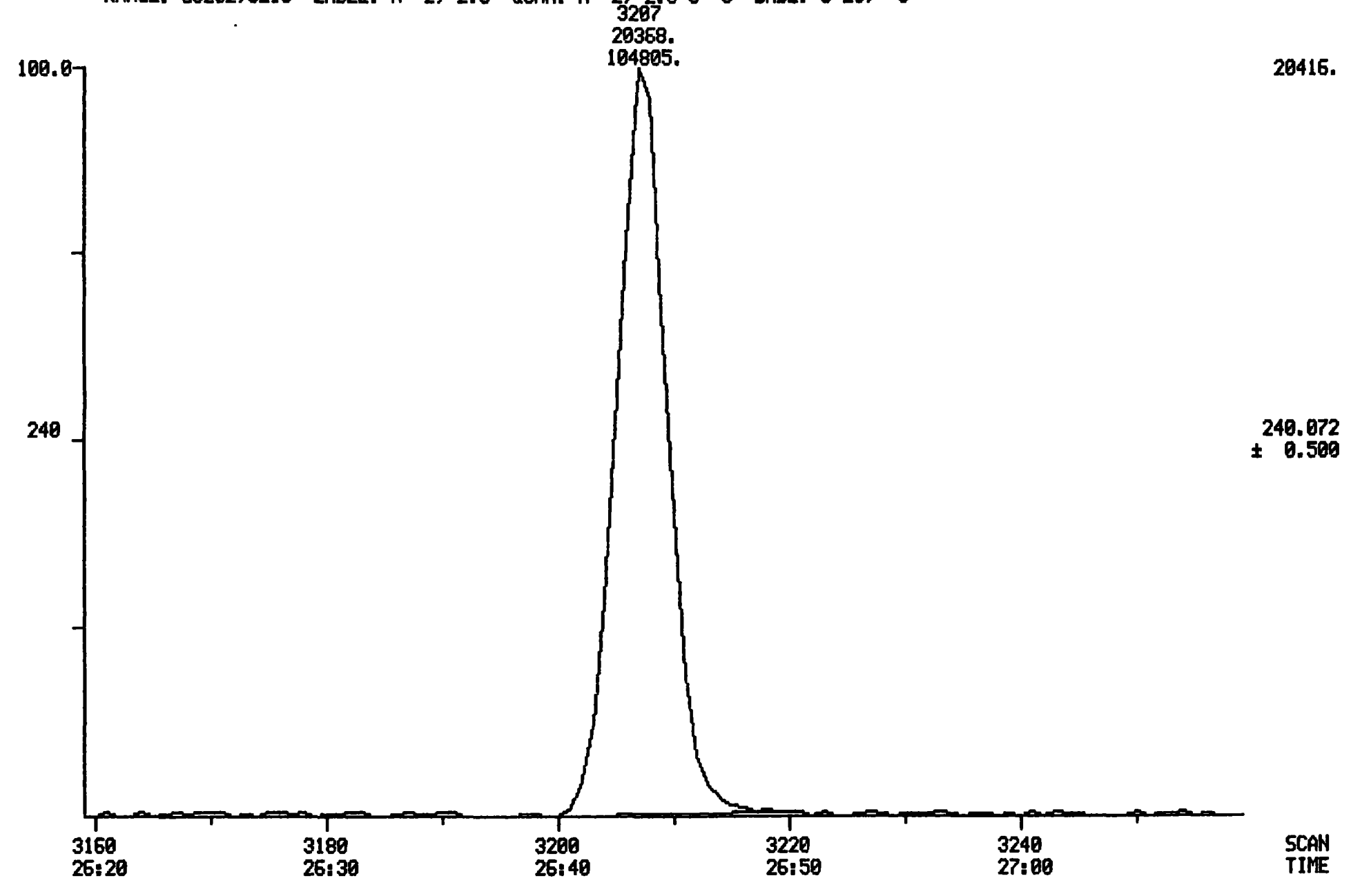
02186

MIDMASS CHROMATOGRAM DATA: STDX745 #3614 SCANS 3564 TO 3664
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



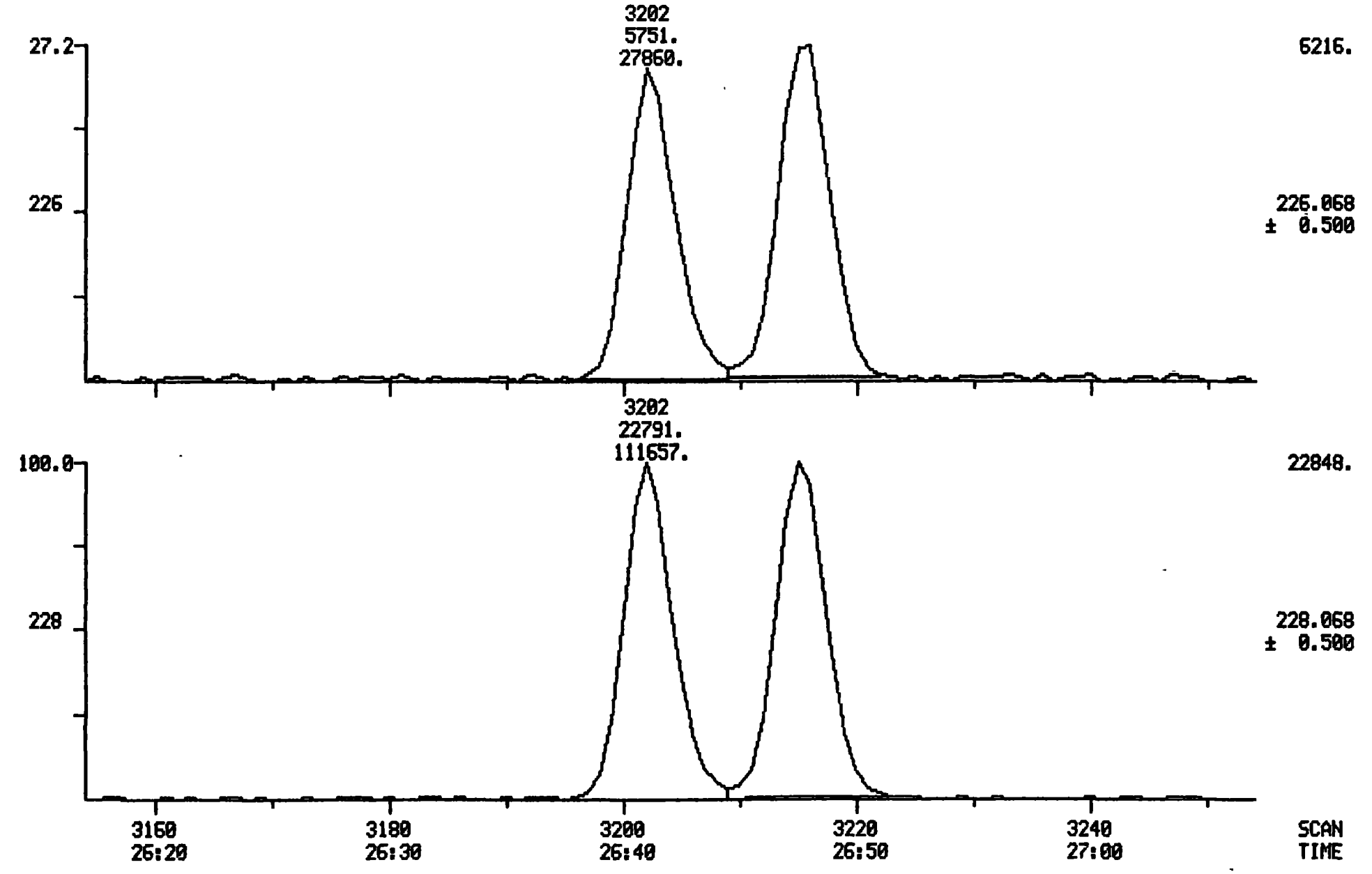
02187

MIDMASS CHROMATOGRAM DATA: STDX745 #3209 SCANS 3159 TO 3259
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3202,3216 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



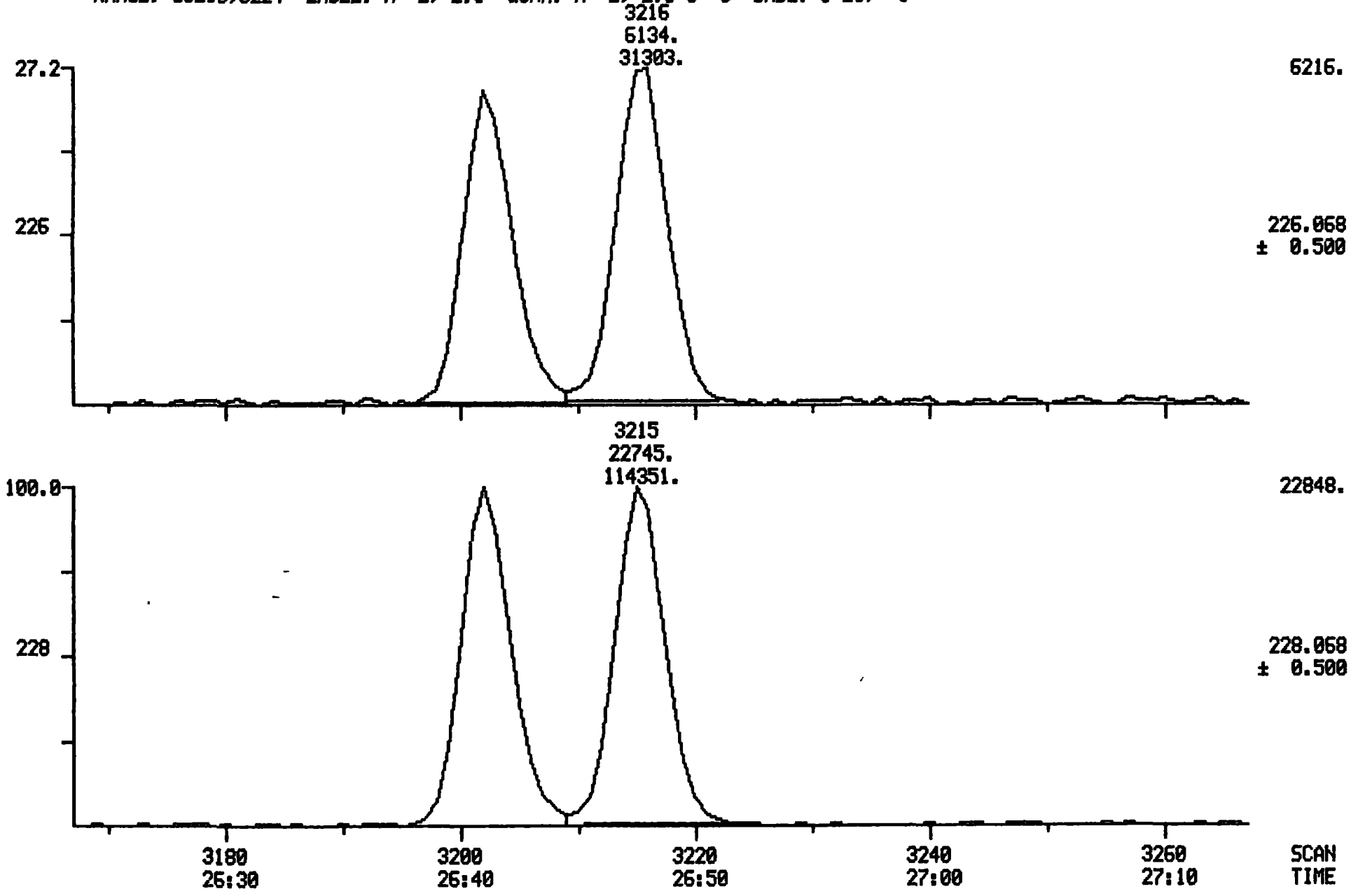
02188

MIDMASS CHROMATOGRAMS DATA: STDX745 #3204 SCANS 3154 TO 3254
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3197,3211 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



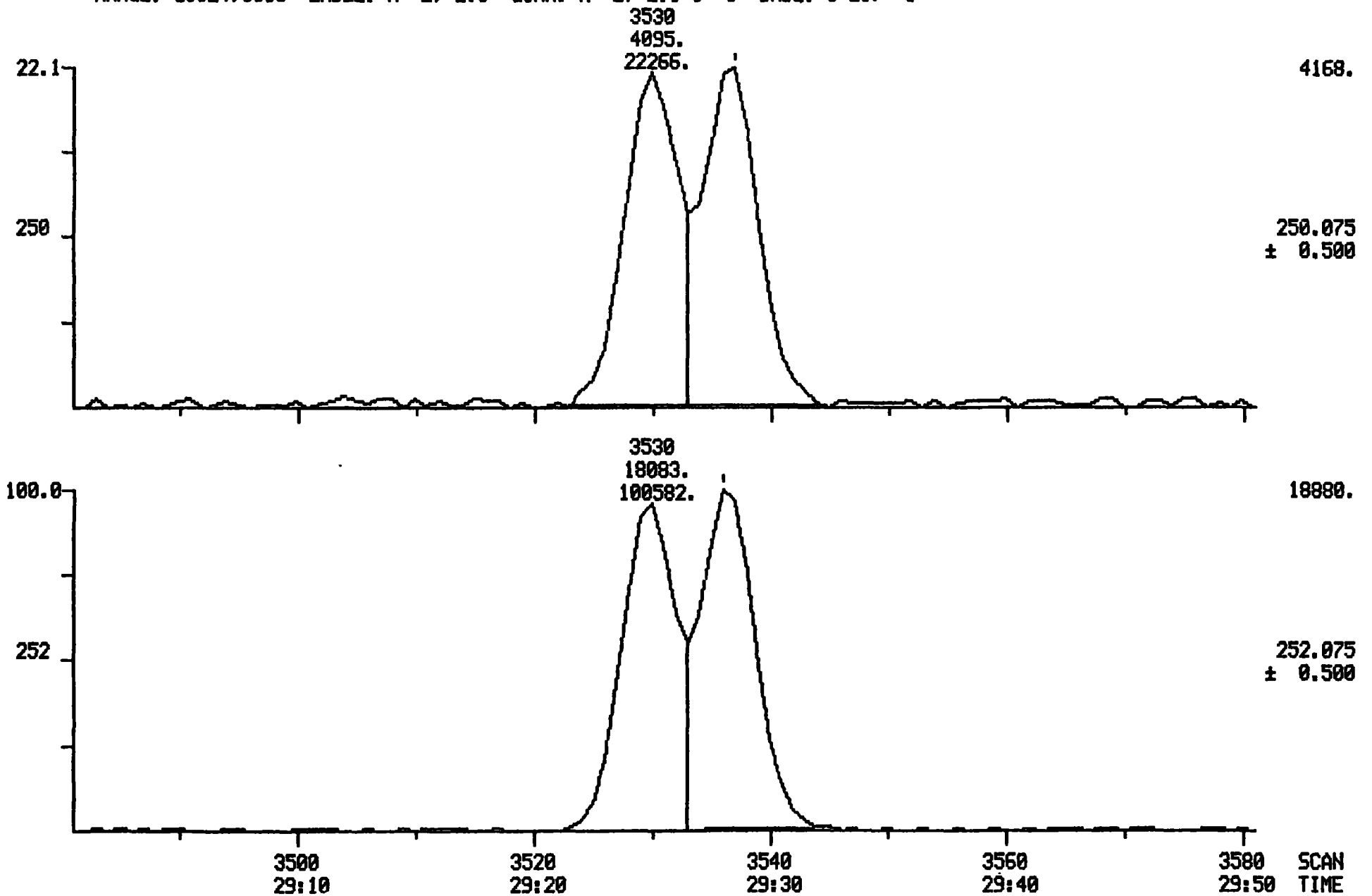
C2189

MIDMASS CHROMATOGRAMS DATA: STDX745 #3217 SCANS 3167 TO 3267
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3210,3224 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



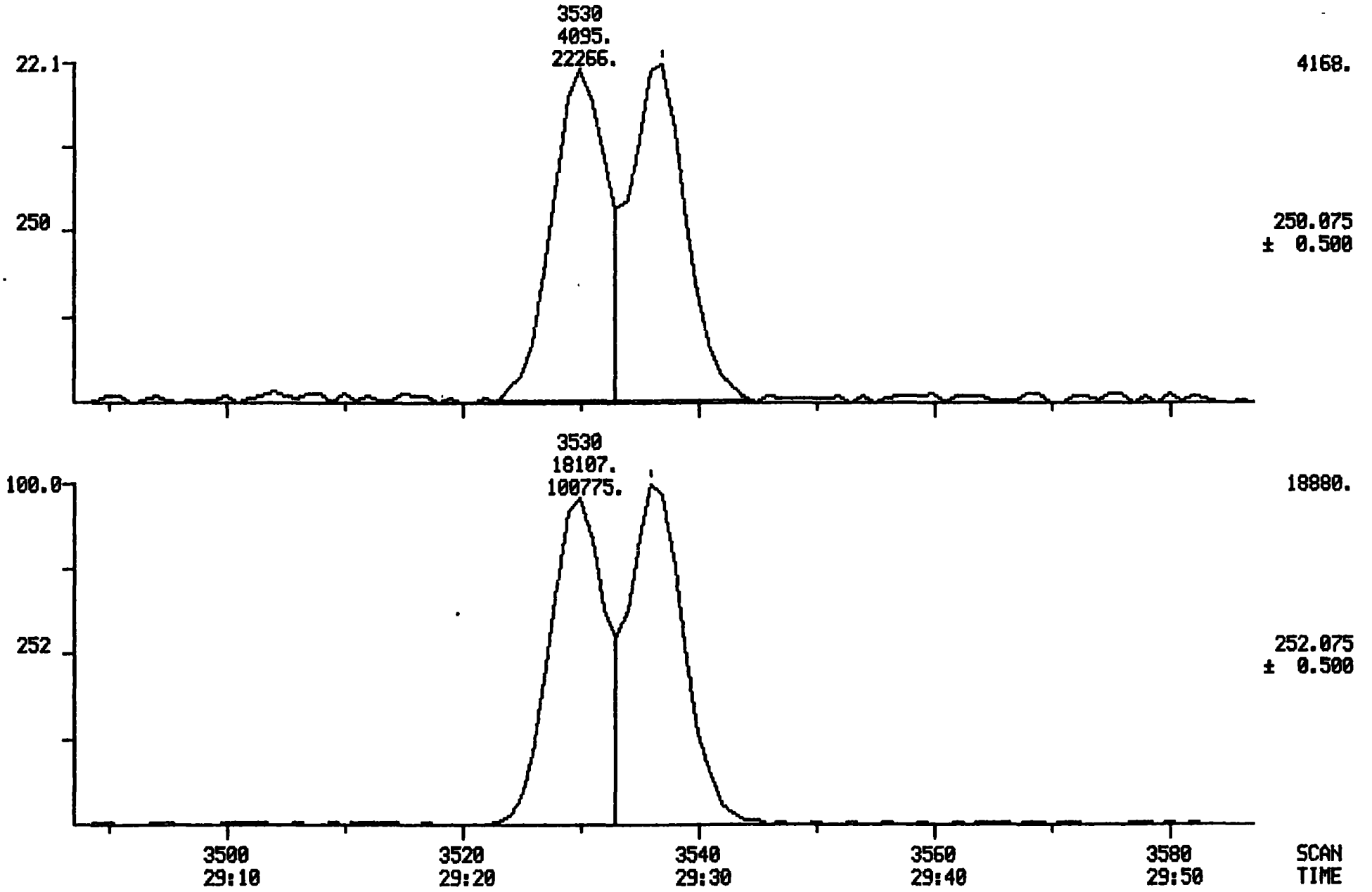
02190

MIDMASS CHROMATOGRAMS DATA: STDX745 #3531 SCANS 3481 TO 3581
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3524,3538 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



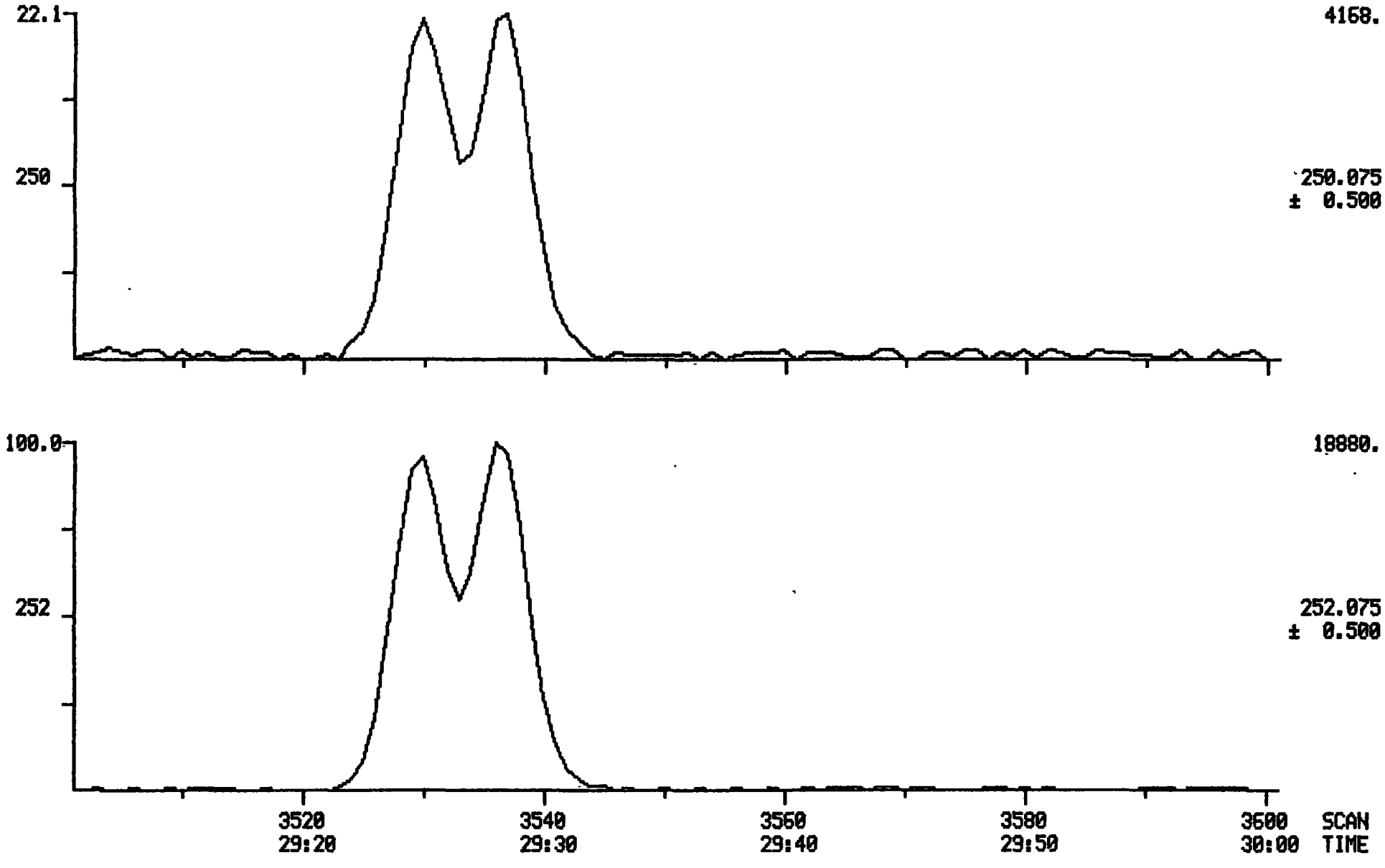
02191

MIDMASS CHROMATOGRAMS DATA: STDX745 #3537 SCANS 3487 TO 3587
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3530,3544 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



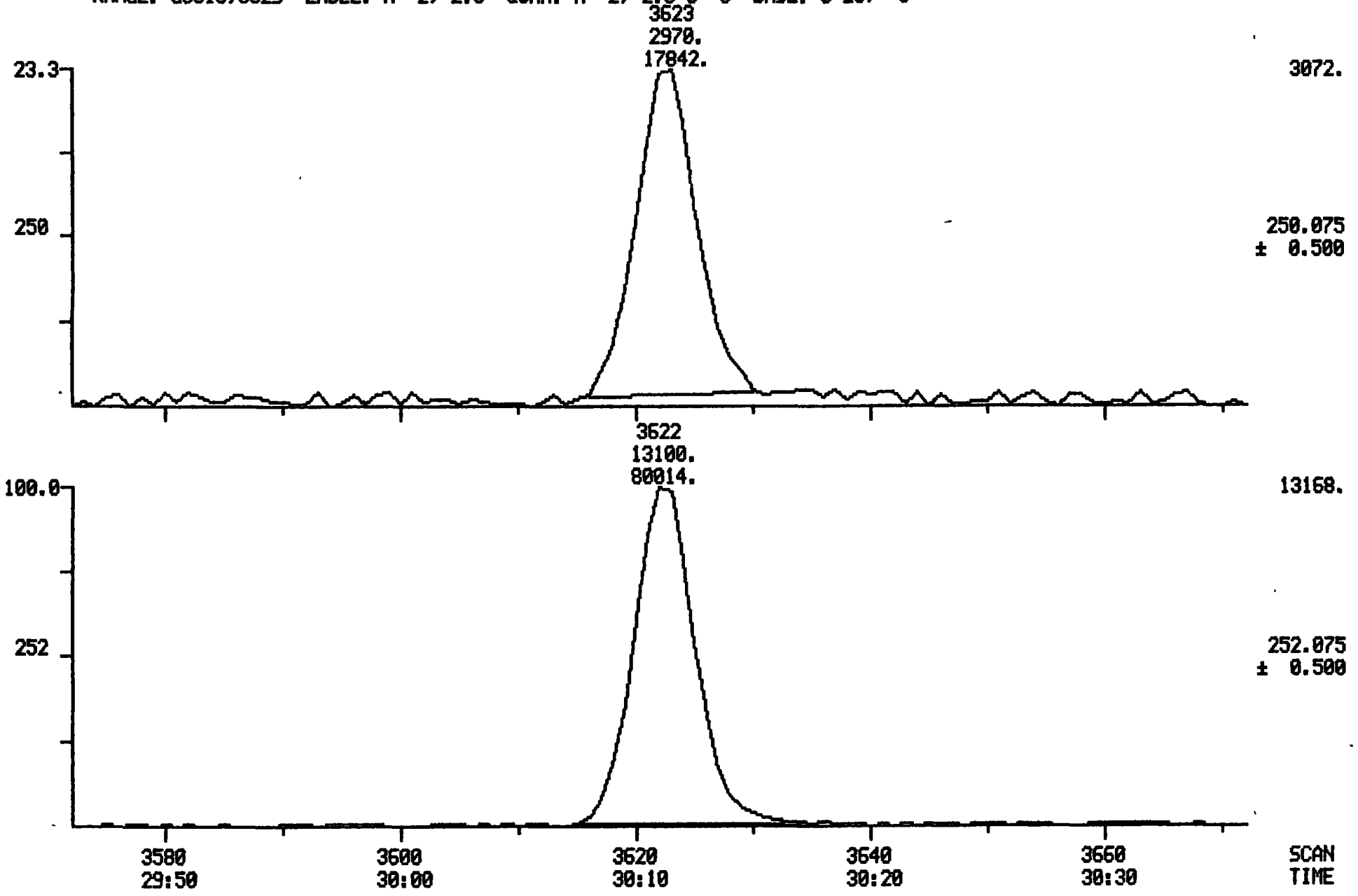
02192

MIDMASS CHROMATOGRAMS DATA: STDX745 #3551 SCANS 3501 TO 3601
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3544,3558 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



02193

MIDMASS CHROMATOGRAMS DATA: STDX745 #3622 SCANS 3572 TO 3672
10/20/87 13:06:00 CALI: 102087CX #2
SAMPLE: 400 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3615,3629 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



RMAL-GC/MS REILLY TAR & CHEMICAL CO. PROJECT PROCESSING PROGRAM
DATAFILE D:STDX746. STARTED :10/21/87 11:53:28

CX
Repull
Chrysene
HCS

02194

10/20/87 13:53:47 SCAN 1 OF 3800
Acquisition started

Acquire Run 0:STDX746 ACQUIRING
10/20/87 13:53:00 + 0:03 Free sectors: 26888 Scan: 7 of 3800
Sample: 200 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No:

********** GC PARAMETERS **********
Loaded GC Desc:ST Current GC oven tmp: 29 DegC Injector : 265 DegC
Current GC Desc:ST GC elapsed time : 0: 3 min Int. oven : 250 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 **********
***** 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	

10/20/87 14:22:12 SCAN 3407 OF 3800

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

10/20/87 14:25:31
ACQUISITION COMPLETED
SCANS 1 TO 3406 Centroid
SCAN 3407 Suspended
SCANS 3408 TO 3800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	3798	192.2	1899.5	10.1	15194	4 8

02195

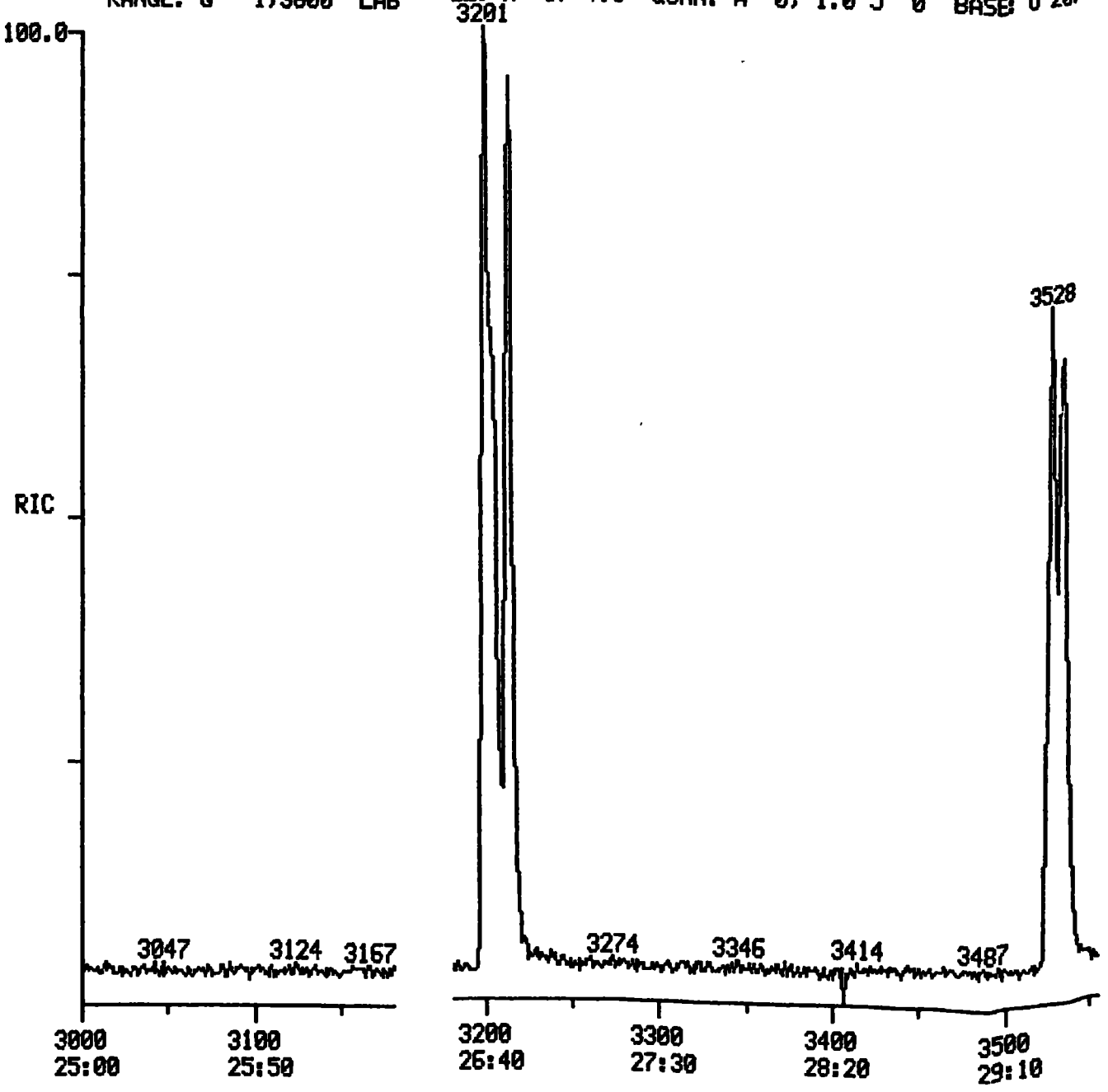
MIDRIC
10/20/87 13:53:00
SAMPLE: 200 PPB PAH S
CONDS.: GC DESC ST
RANGE: G 1.3800 LAB

DATA: STDX746 #1
CALI: 102087CX #2
SCANS 3000
TD 10-19-87 MLB

EL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20,

TO

3



00

02196

20096.

3619

3672

3706 3779

0
00

3700
30:50

3800 SCAN
31:40 TIME

Quantitation Report File: STDX746

02197

Data: STDX746.TI
10/20/87 13:53:00
Sample: 200 PPB PAH STD 10-19-87 MLB
Conds.: GC DESC ST
Formula: MID Instrument: 4500 Weight: 0.000
Submitted by: RMAL Analyst: DC Acct. No.:

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

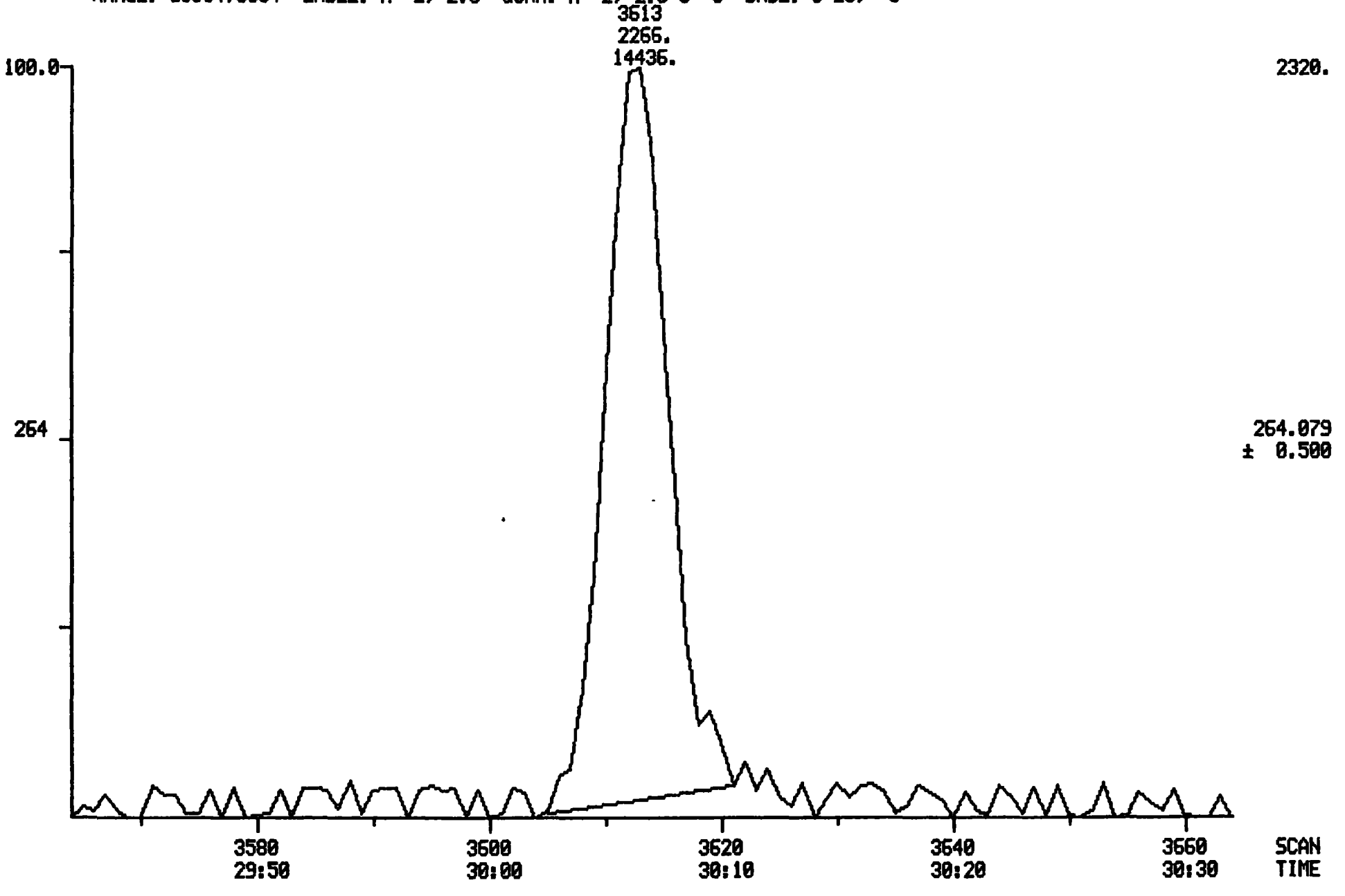
No	Name		
1	D12-BENZO(A)PYRENE	264IPH#	01
2	D12-CHRYSENE	240SPH#	02
3	BENZO(A)ANTHRACENE	228 PH#	03
4	BENZO(A)ANTHRACENE	226 PH#	04
5	CHRYSENE	228 PH#	05
6	CHRYSENE	226 PH#	06
7	BENZO(B)FLUORANTHENE	252 PH#	07
8	BENZO(B)FLUORANTHENE	250 PH#	08
9	BENZO(K)FLUORANTHENE	252 PH#	09
10	BENZO(K)FLUORANTHENE	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	3613	30:06	1	1.000	A BB	14436.	80.000	NG/ML	3.19
2	240	3206	26:43	1	0.887	A BB	60600.	209.623	NG/ML	8.36
3	228	3201	26:40	1	0.886	A BV	65688.	237.414	NG/ML	9.47
4	226	3201	26:40	1	0.886	A BV	16302.	227.681	NG/ML	9.08
5	228	3215	26:47	1	0.890	A VB	66948.	227.168	NG/ML	9.06
6	226	3215	26:47	1	0.890	A VB	19032.	216.353	NG/ML	8.63
7	252	3527	29:23	1	0.976	A BV	61198.	218.142	NG/ML	8.70
8	250	3528	29:24	1	0.976	A BV	13340.	223.696	NG/ML	8.93
9	252	3535	29:27	1	0.978	A VB	56554.	219.569	NG/ML	8.76
10	250	3535	29:27	1	0.978	A VB	12133.	203.365	NG/ML	8.11
11	252	3619	30:09	1	1.002	A BB	47343.	228.240	NG/ML	9.11
12	250	3620	30:10	1	1.002	A BB	10641.	214.992	NG/ML	8.58

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	30:07	1.00	1.000	1.00	80.00	80.00	1.000	1.000	1.00
2	26:44	1.00	0.888	1.00	209.62	200.00	1.679	1.602	1.05
3	26:41	1.00	0.886	1.00	237.41	200.00	1.820	1.533	1.19
4	26:42	1.00	0.887	1.00	227.68	200.00	0.452	0.397	1.14
5	26:48	1.00	0.890	1.00	227.17	200.00	1.855	1.633	1.14
6	26:48	1.00	0.890	1.00	216.35	200.00	0.527	0.488	1.08
7	29:25	1.00	0.977	1.00	218.14	200.00	1.696	1.555	1.09
8	29:25	1.00	0.977	1.00	223.70	200.00	0.370	0.330	1.12
9	29:28	1.00	0.978	1.00	219.57	200.00	1.567	1.427	1.10
10	29:28	1.00	0.978	1.00	203.36	200.00	0.336	0.331	1.02
11	30:10	1.00	1.002	1.00	228.24	200.00	1.312	1.150	1.14
12	30:10	1.00	1.002	1.00	214.99	200.00	0.295	0.274	1.07

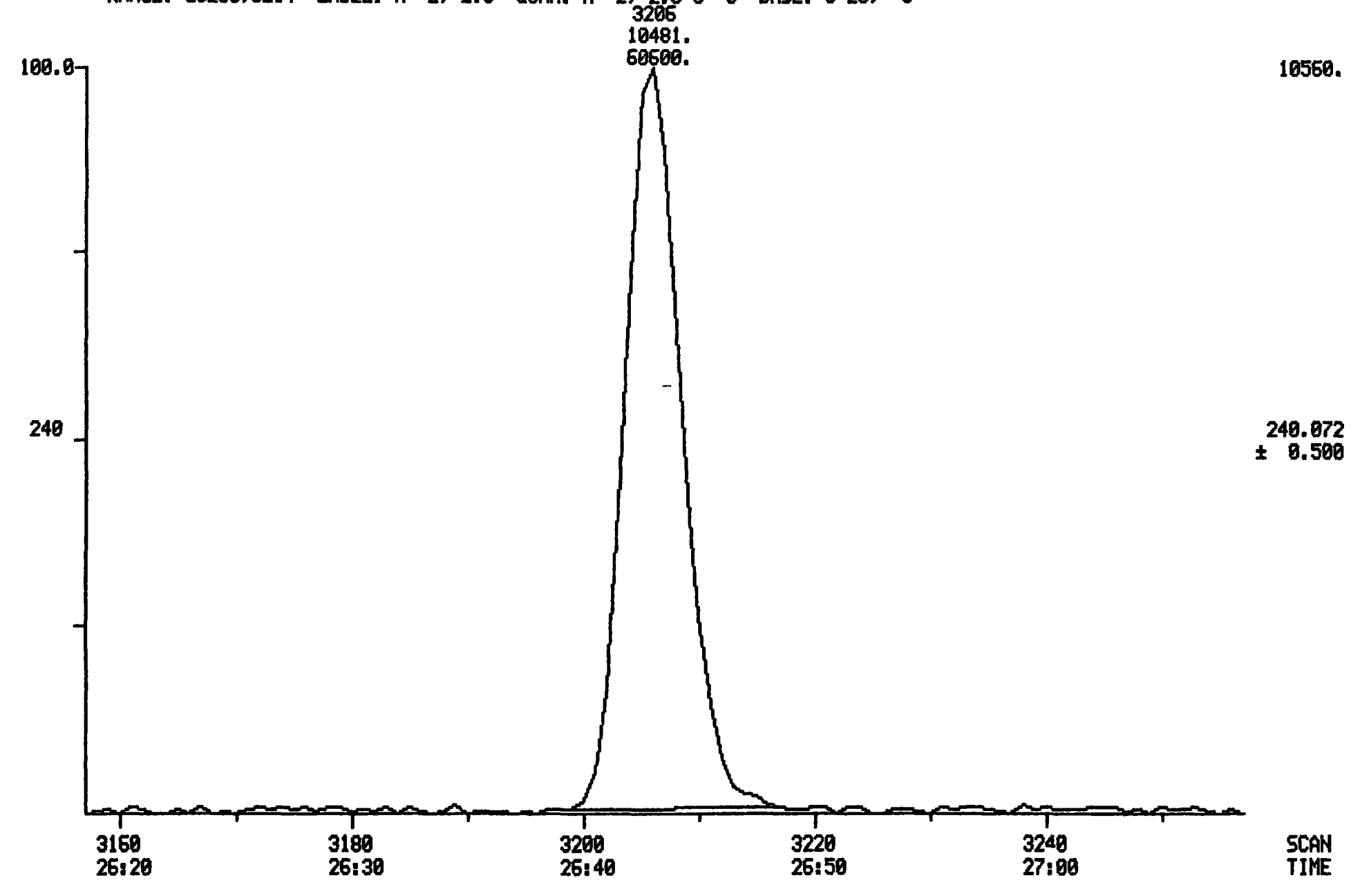
C2198

MIDMASS CHROMATOGRAM DATA: STDX746 #3614 SCANS 3564 TO 3664
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-BENZO(A)PYRENE 264IPH# 01
RANGE: G3564,3664 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



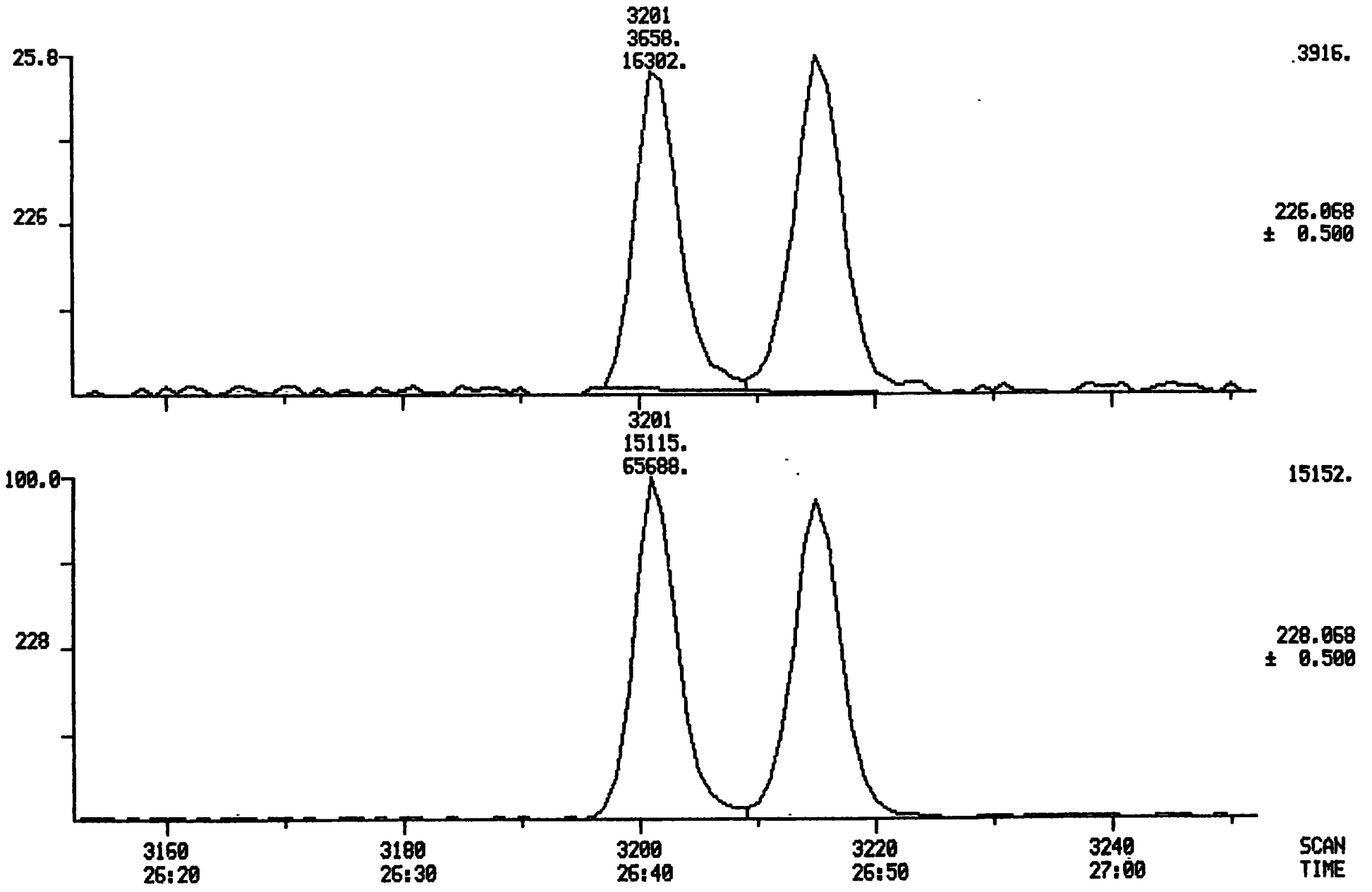
02199

MIDMASS CHROMATOGRAM DATA: STDX746 #3207 SCANS 3157 TO 3257
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
D12-CHRYSENE 240SPH# 02
RANGE: G3200,3214 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



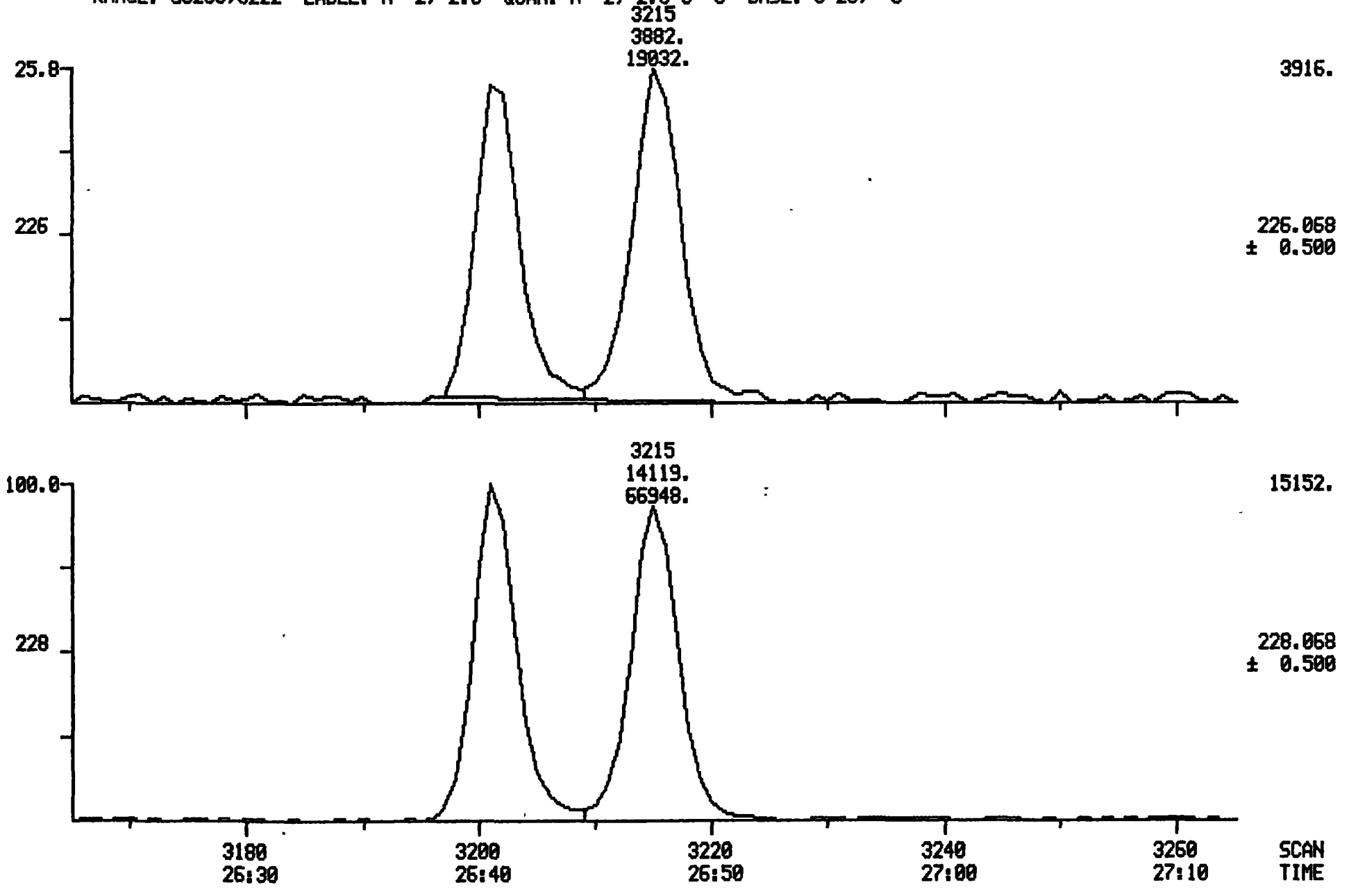
02200

MIDMASS CHROMATOGRAMS DATA: STDX746 #3202 SCANS 3152 TO 3252
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)ANTHRACENE 228 PH# 03
RANGE: G3195,3209 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



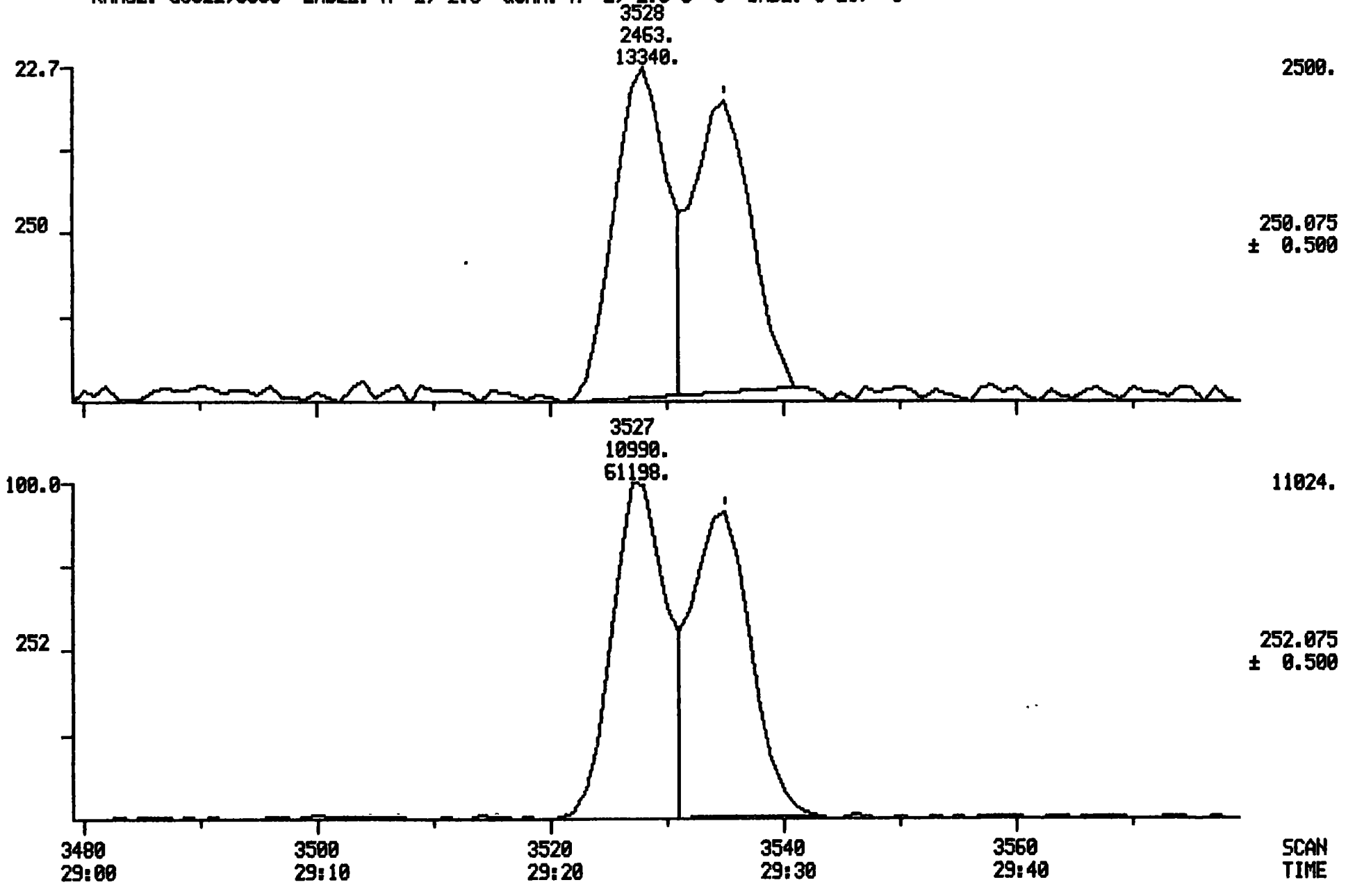
02201

MIDMASS CHROMATOGRAMS DATA: STDX746 #3215 SCANS 3165 TO 3265
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
CHRYSENE 228 PH# 05
RANGE: G3208,3222 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



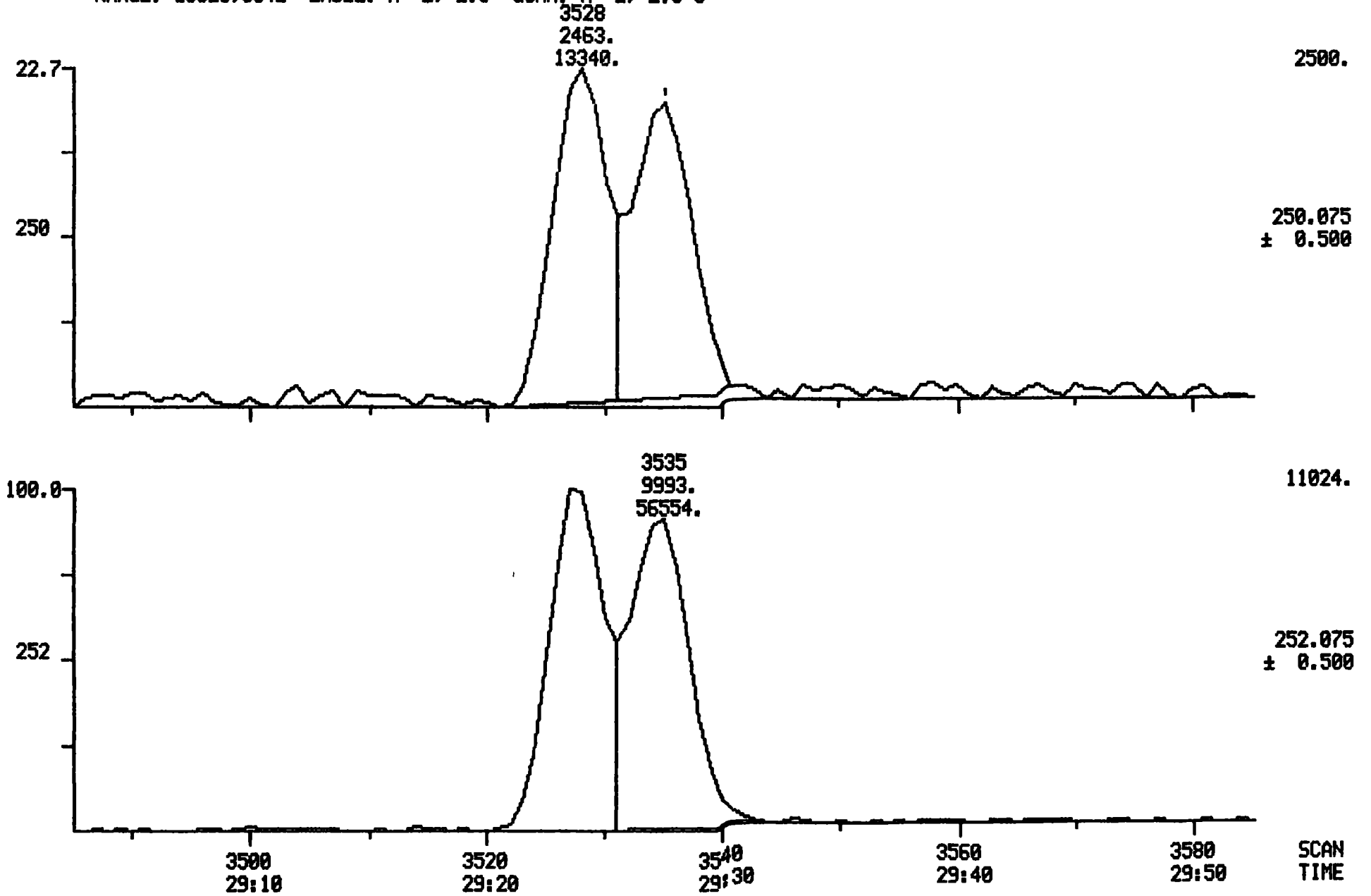
02202

MIDMASS CHROMATOGRAMS DATA: STDX746 #3529 SCANS 3479 TO 3579
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(B)FLUORANTHENE 252 PH# 07
RANGE: G3522,3536 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



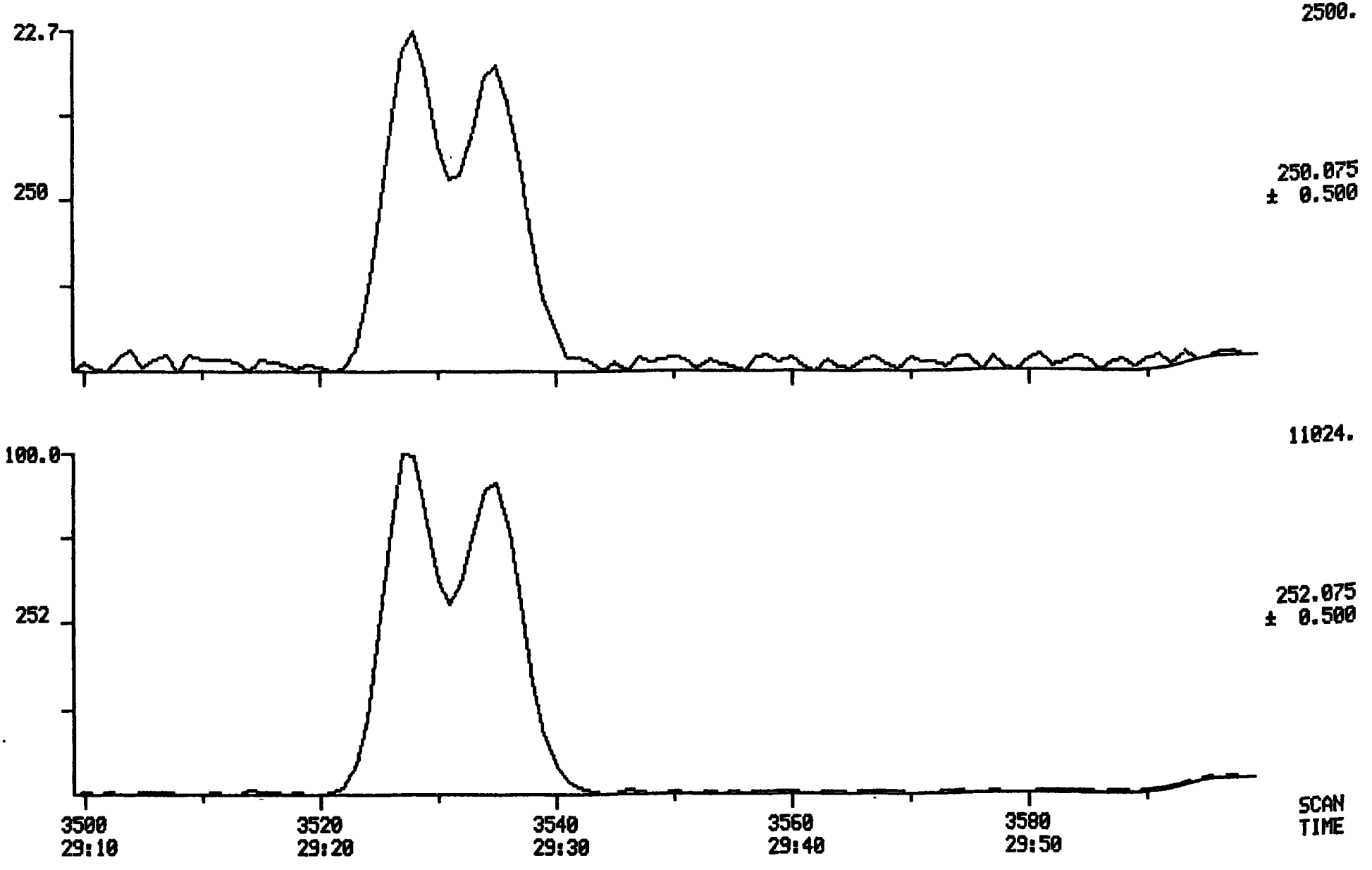
02203

MIDMASS CHROMATOGRAMS DATA: STDX746 #3535 SCANS 3485 TO 3585
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(K)FLUORANTHENE 252 PH# 09
RANGE: G3528,3542 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



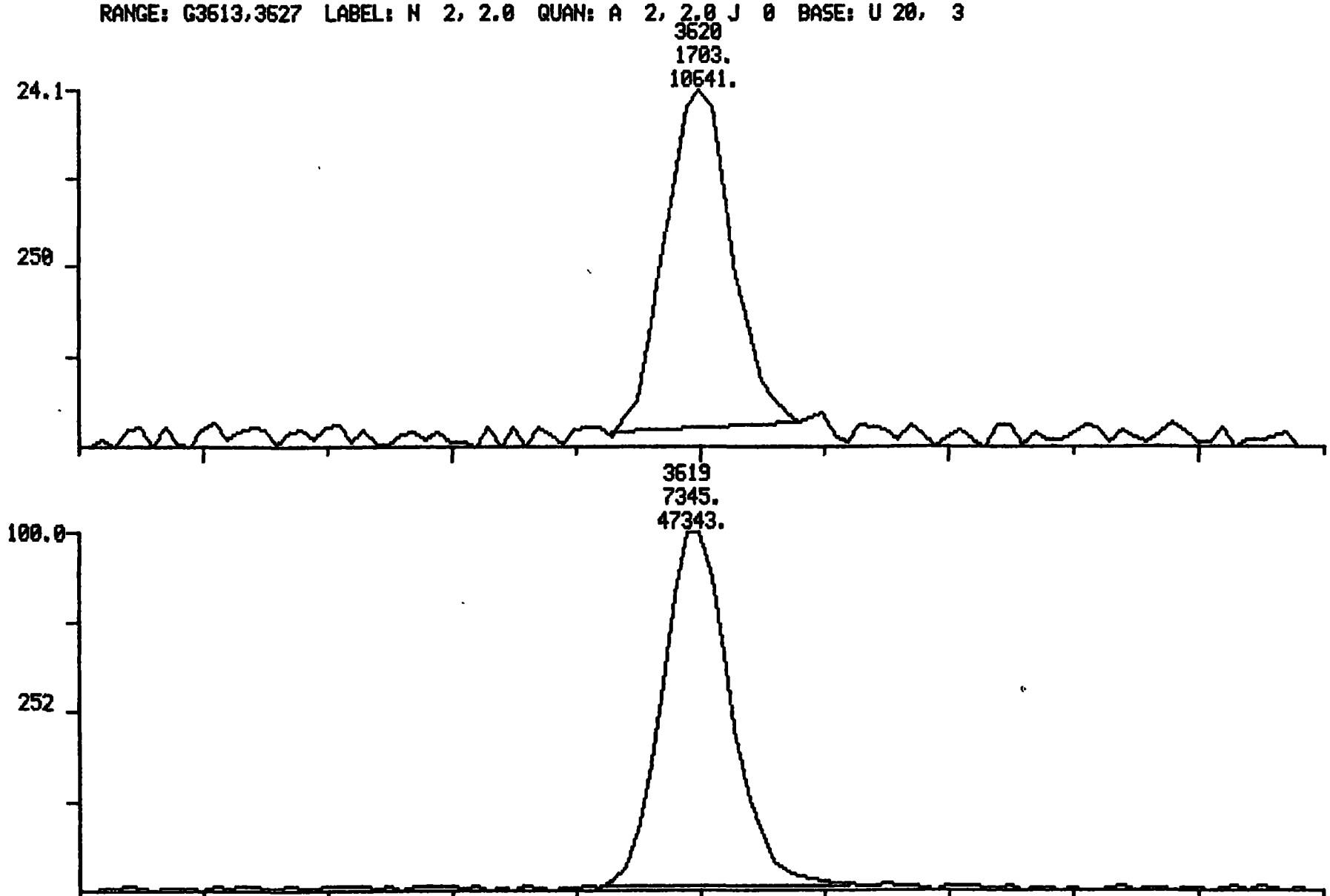
C2204

MIDMASS CHROMATOGRAMS DATA: STDX746 #3549 SCANS 3499 TO 3599
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(J)FLUORANTHENE 252 PH# 11
RANGE: G3542,3556 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



02205

MIDMASS CHROMATOGRAMS DATA: STDX746 #3620 SCANS 3570 TO 3670
10/20/87 13:53:00 CALI: 102087CX #2
SAMPLE: 200 PPB PAH STD 10-19-87 MLB
CONDS.: GC DESC ST
BENZO(A)PYRENE 252 PH# 13
RANGE: G3613,3627 LABEL: N 2, 2.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



02206

796.

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440.

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