

### C. STANDARDS DATA

- (1) Initial Calibration Data (Form VI SV-1, SV-2) - In order by instrument if more than one instrument used.
  - (a) BNA standard (s) reconstructed ion chromatograms and quantitation reports (or legible facsimile) for the initial (five point) calibration. Spectra are not required.
  - (b) All initial calibration data must be included, regardless of when it was performed and for which case. When more than one initial calibration is performed, the data must be put in chronological order, by instrument.
- (2) Continuing Calibration (Form VII SV-1, SV-2) - In order by instrument, if more than one instrument used.
  - (a) BNA standard (s) reconstructed ion chromatograms and quantitation reports (or legible facsimile) for all continuing (12 hour) calibrations. Spectra are not required.
  - (b) When more than one continuing calibration is performed, forms must be in chronological order, within fraction and instrument.
- (3) Internal Standard Area Summary (Form VIII SV-1, SV-2) - In order by instrument, if more than one instrument used.

When more than one continuing calibration is performed, forms must be in chronological order, by instrument.

- (1) Initial Calibration Data (Form VI SY-1, SY-2) - in order by instrument if more than one instrument used.
  - (a) BNA standard (a) reconstructed ion chromatograms and quantitation reports (or legible facsimile) for the initial (five point) calibration. Spectra are not required.
  - (b) All initial calibration data must be included, regardless of when it was performed and for which case. When more than one initial calibration is performed, the data must be put in chronological order, by instrument.

INITIAL CALIBRATION DATA  
PASTS HSL COMPOUNDS

PAGE 1

CASE NO: COMPUCHEN  
CONTRACT NO: MINIMUM AVG RF FOR SPOC IS 0.950

INSTRUMENT ID: 05  
CALIBRATION DATE: 05/05/90

MAXIMUM % RSD FOR CCC IS 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (160)	AVG RF	ZRSD	CCC # SPOC##	P/F
441 N-NITROSODIMETHYLAMINE (Q1#2)	62-75-9	1.552	1.380	1.361	1.379	1.315	1.377	7.6	
481 PYRIDINE (Z3#1)		1.498	1.272	1.455	1.384	1.493	1.387	7.4	
509 ETHYLENETHIOURATE (T1#4)		1.966	1.496	1.455	1.416	1.350	1.517	13.4	
512 PERALDEHYDE (Z3#3)		0.328	0.297	0.271	0.275	0.247	0.290	14.8	
519 2-PICOLINE (Z9#55)		1.560	1.515	1.491	1.463	1.430	1.494	3.0	
525 NITROSOMETHYLETHYLAMINE (Z9#4)		0.421	0.379	0.388	0.382	0.392	0.386	5.8	
543 METHYLHEPTANE SULFONATE (Z9#5)		1.272	1.035	1.133	1.088	0.992	1.116	9.1	
499 N-NITROSODIETHYLAMINE (Z9#6)		0.838	0.777	0.743	0.754	0.719	0.766	5.9	
514 ETHYL METHANESULFONATE (Z9#7)		62-50-0	0.886	0.755	0.737	0.737	0.766	0.9	
610 PHENOL (Q1#3)		62-53-3	2.197	1.784	1.690	1.589	1.742	13.1	
473 ANILINE (Q1#4)		62-53-3	2.924	2.273	2.332	1.817	1.814	18.1	
385 PENTACHLOROETHANE (Z9#8)		0.677	0.588	0.550	0.489	0.457	0.544	15.1	
411 BIS(2-CHLOROETHYL)ETHER (Q1#5)		111-44	1.721	1.529	1.726	1.514	1.898	14.1	
661 2-CHLOROPHENOL (Q1#6)		95-57-8	1.722	1.529	1.450	1.324	1.555	11.5	
421 1,3-DICHLOROETHENE (Q1#7)		541-73-1	1.603	1.517	1.500	1.480	1.553	10.7	
506 BENZYL CHLORIDE (Z9#9)		3.676	2.861	2.566	2.188	2.044	2.697	24.3	
122 1,4-DICHLOROBENZENE (Q1#8)		106-46-7	1.784	1.479	1.339	1.290	1.435	15.4	
474 BENZYL ALCOHOL (Q1#9)		100-51-6	0.925	0.920	0.866	0.857	0.818	9.5	
420 1,2-DICHLOROBENZENE (Q1#10)		95-50-1	1.782	1.379	1.471	1.221	1.317	7.7	
620 2-METHYLPHENOL (Q1#11)		95-48-7	1.452	1.355	1.313	1.226	1.311	9.5	
412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12)		9	4.772	4.219	4.113	3.727	4.110	10.5	
621 3-METHYLPHENOL (F1#2)		108-59-4	1.435	1.261	1.155	0.985	1.163	16.6	
522 4-METHYLPHENOL (Q1#13)		106-44-5	1.435	1.261	1.155	0.985	1.163	16.6	
520 N-NITRODIETHYLAMINE (Z9#10)		930-55-2	0.518	0.481	0.462	0.414	0.445	17.4	
544 N-NITRODIETHYLAMINE (Z9#12)		59-69-2	0.479	0.405	0.365	0.285	0.376	19.3	
500 ACETOPHENONE (Z9#11)		2.487	2.075	1.873	1.733	1.589	1.935	16.5	
442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14)		62	2.487	2.075	1.873	1.733	1.589	16.5	**
516 O-TOLUIDINE HYDROCHLORIDE (Z9#13)		1.946	1.763	1.633	1.380	1.363	1.496	15.9	
436 HEXACHLOROETHANE (Q1#15)		67-72-1	1.034	0.959	0.902	0.837	0.901	11.4	
446 NITROBENZENE (Q1#16)		98-95-3	0.712	0.648	0.612	0.538	0.607	12.0	
502 N-NITRODIPYRIDINE (T2#3)		0.297	0.292	0.291	0.289	0.216	0.224	7.0	
438 ISOPHORONE (Q2#2)		78-54-1	1.383	1.229	1.223	1.048	1.194	11.1	
603 2,4-DIMETHYLPHENOL (Q2#4)		105-67-9	0.501	0.429	0.384	0.294	0.378	24.6	
606 2-NITROPHENOL (Q2#3)		88-75-5	0.227	0.222	0.240	0.177	0.198	14.0	
451 1,3,5-TRICHLOROBENZENE (Z9#2)		188-20	0.447	0.446	0.354	0.277	0.348	22.9	
318 BENZYL CHLORIDE (Z9#16)		38-87-3	0.155	0.146	0.124	0.124	0.248	13.3	
625 BENZOIC ACID (Q2#5)		65-85-6	0.155	0.146	0.124	0.124	0.197	13.0	
410 BIS(2-CHLOROETHYL)METHANE (Q2#6)		111	0.678	0.603	0.513	0.524	0.509	12.7	
662 2,4-DICHLOROPHENOL (Q2#7)		128-83-2	0.329	0.328	0.329	0.318	0.322	11.5	

RF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
 AVG RF - AVERAGE RESPONSE FACTOR  
 ZRSD - PERCENT RELATIVE STANDARD DEVIATION (%)  
 CCC - CALIBRATION CHECK COMPOUNDS (\*)  
 SPOC - SYSTEM PERFORMANCE CHECK COMPOUNDS (\*\*)  
 \*\* - EITHER HOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
MASTS HSL COMPOUNDS

ORSE NO: COMPUCHEM  
CONTRACTOR: MINIMIN  
CONTRACT NO: MINIMIN AVG RF FOR SPOC 15 0.950

INSTRUMENT ID: 06  
CALIBRATION DATE: 05/05/90  
MAXIMUM % RSD FOR OCC 15 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (150)	AVG RF	%RSD	OCC #	P/F
446 1,2,4-TRICHLOROBENZENE (02#8) (120-82-	0.429	0.430	0.401	0.366	0.374	0.400	7.5		
439 NAPHTHALENE (02#9) (91-20-3)	1.355	1.112	1.007	0.976	0.975	1.061	15.3		
475 4-CHLORONITRILE (02#10) (105-47-8)	0.518	0.448	0.470	0.395	0.373	0.441	13.2		
531 2,5-DICHLOROPHENYL (29#13) (108-45-2)	0.250	0.370	0.346	0.303	0.292	0.334	10.2		
524 0-PHENYLENE DIAMINE (29#19) (108-45-2)	0.268	0.117	0.047	0.051	0.071	0.110	65.3		
515 ALPHA,ALPHA DIMETHYLPHENYLAMINE (29	0.221	0.065	0.016	0.046	0.071	0.090	82.0		
537 HEXACHLOROPROPENE (29#21) (1888-71-7)	0.259	0.263	0.252	0.254	0.230	0.254	5.4		
434 HEXACHLOROBUTADIENE (02#11) (87-68-3)	0.265	0.247	0.237	0.219	0.219	0.237	8.2	*	PASS
450 1,2,3-TRICHLOROBENZENE (29#15) (87-61-	0.399	0.398	0.474	0.449	0.419	0.453	6.3		
534 BENZOTRIAZOLONE (29#23) (98-07-7)	0.482	0.491	0.474	0.449	0.419	0.463	6.3		
535 N-NITROSO-DI-N-BUTYLAMINE (29#24) (924	0.272	0.272	0.246	0.228	0.220	0.244	6.5		
508 P-CHLORO-N-OPESOL (02#12) (59-50-7)	0.479	0.454	0.454	0.405	0.420	0.443	6.5		
526 P-PHENYLENE DIAMINE (29#20) (108-45-2)	0.042	0.038	0.132	0.091	0.137	0.088	53.8	*	PASS
503 SAEPHOLE (29#27)	0.306	0.300	0.287	0.277	0.282	0.290	4.2		
525 N-PHENYLENE DIAMINE (29#25) (108-45-2)	0.024	0.006	0.117	0.065	0.093	0.063	99.4		
477 2-METHYLNAPHTHALENE (02#13) (91-57-6)	1.010	0.965	0.912	0.842	0.896	0.954	15.0		
509 1-METHYLNAPHTHALENE (12#28) (90-12-0)	0.567	0.545	0.524	0.470	0.446	0.510	10.0		
457 1,2,4,5-TETRACHLOROBENZENE (29#31) (95	0.701	0.624	0.552	0.496	0.459	0.565	17.2		
513 1,2,3,5-TETRACHLOROBENZENE (29#29) (63	0.701	0.624	0.552	0.496	0.459	0.565	17.2		
435 HEXACHLOROCYCLOPENTADIENE (03#2) (77-4	0.218	0.263	0.345	0.262	0.222	0.254	14.0	**	PASS
611 2,4,5-TRICHLOROPHENYL (03#3) (88-05-2)	0.441	0.477	0.414	0.424	0.494	0.475	5.5		
526 150SAFROLE (29#30) (120-58-1)	0.423	0.461	0.414	0.424	0.494	0.475	5.5		
415 2-CHLORONAPHTHALENE (03#5) (91-58-7)	0.407	0.481	0.460	0.475	0.475	0.477	2.5		
564 1-CHLORONAPHTHALENE (F4#2)	1.101	1.062	0.983	0.916	1.104	1.134	12.3		
478 2-NITRONAPHTHALENE (29#28) (63	0.709	0.627	0.570	0.513	0.854	0.689	15.0		
504 1,4-NAPHTHOQUINONE (29#32)	0.477	0.691	0.703	0.694	0.663	0.689	2.4		
491 1,4-DINITROBENZENE (F3#2) (100-25-4)	0.222	0.267	0.254	0.253	0.193	0.245	36.0		
425 DIMETHYL PHTHALATE (03#7) (131-11-3)	1.546	1.533	1.452	1.405	1.351	1.457	5.7		
420 2,5-DINITROBENZENE (03#15) (605-28-2)	0.520	0.504	0.348	0.323	0.267	0.405	2.8		
402 ACENAPHTHYLENE (03#8) (208-96-8)	1.908	1.807	1.739	1.770	1.672	1.821	4.8		
479 3-NITROANILINE (03#9) (59-09-2)	0.307	0.375	0.377	0.394	0.356	0.378	4.8		
401 ACENAPHTHENE (03#10) (83-32-3)	1.260	1.166	1.100	1.040	0.970	1.109	10.1	*	PASS
6505 2,4-DINITROPHENYL (03#11) (51-28-4)	0.231	0.256	0.156	0.154	0.168	0.221	9.1	**	PASS
607 4-NITROPHENOL (03#12) (100-02-7)	0.452	0.479	0.435	0.445	0.491	0.460	4.3		
427 2,4-DINITROBENZENE (03#14) (121-14-2)	1.630	1.535	1.533	1.543	1.423	1.545	2.3		
475 DIBENZOFURAN (03#13) (132-64-9)	0.623	0.582	0.561	0.535	0.514	0.563	5.8		
507 PENTACHLOROBENZENE (29#33)	0.623	0.582	0.561	0.535	0.514	0.563	7.3		

RF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
AVG RF - AVERAGE RESPONSE FACTOR  
%RSD - PERCENT RELATIVE STANDARD DEVIATION (US)  
OCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK COMPOUNDS (\*\*)  
+ - EITHER NOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
FIRSTS HSL COMPOUNDS

CASE NO: COMPETEM  
CONTRACTOR: COMPETEM  
CONTRACT NO: MINIMUM AVG RF FOR SPOC IS 0.959

INSTRUMENT ID: 95  
CALIBRATION DATE: 05/05/98

MINIMUM AVG RF FOR SPOC IS 0.959

MAXIMUM Z RSD FOR CCC IS 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (160)	AUG RF	ZRSD	CCC #	P/F
484 2-NAPHTHYLAMINE (Z9#35)	0.905	0.838	1.340	1.155	1.067	1.059	19.1		
483 1-NAPHTHYLAMINE (Z9#36)	0.514	0.741	0.371	0.354	0.867	0.821	19.2		
630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)	0.224	0.325	0.311	0.329	0.326	0.317	4.6		
424 DIETHYL PHTHALATE (93#16)	1.951	1.750	1.526	1.535	1.495	1.563	8.3		
519 ZINOPHOS (Z9#38)	0.544	0.549	0.491	0.454	0.387	0.483	13.2		
417 4-CHLOROPHENYL PHENYL ETHER (03#17)	0.528	0.604	1.252	0.556	0.516	0.584	9.9		
432 FLUORENE (93#18)	1.355	0.604	0.566	0.556	0.608	0.540	13.1		
480 4-NITRONITRILE (03#19)	0.295	0.359	0.360	0.301	0.248	0.301	7.4		
498 5-NITRO-D-TOLUIDINE (Z9#34)	0.390	0.465	0.399	0.397	0.419	0.414	14.7		
430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	3.253	3.031	2.612	2.606	2.218	2.744	10.5		
4619 2-FLUOROPHENOL (SS#1)	1.548	1.345	1.126	1.271	1.183	1.322	14.6		
4612 05-PHENOL (SS#2)	1.948	1.636	1.500	1.423	1.376	1.577	14.6		
4447 05-NITROBENZENE (SS#3)	0.628	0.562	0.569	0.450	0.489	0.544	9.8		
4448 2-FLUOROBIPHENYL (SS#4)	1.346	1.346	1.233	1.189	1.111	1.245	9.8		
4528 2,4,6-TRIBROMOPHENOL (SS#5)	0.183	0.194	0.199	0.285	0.216	0.199	6.2		
4471 D10-PYRENE (SS#6)	1.284	1.284	1.199	1.064	0.951	1.156	12.6		
4496 D14-TERPHENYL (SS#7)	1.189	1.182	1.199	0.926	0.856	1.038	10.6		

ZF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
AVG RF - AVERAGE RESPONSE FACTOR  
ZRSD - PERCENT RELATIVE STANDARD DEVIATION (13)

CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPOC - SYSTEM PERFORMANCE CHECK COMPOUNDS (\*\*)  
++ - EITHER NOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
MASTS HSL COMPOUNDS

CASE NO: COMPLETEN  
CONTRACTOR: COMPLETEN  
CONTRACT NO: MINIMUM AVG RF FOR SPOC 15 0.050

INSTRUMENT ID: 05  
CALIBRATION DATE: 05/05/90

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (160)	AUG RF	ZPSD	CCC * SPCC**	P/F
604 4,6-DINITRO-2-METHYLPHENOL (04#2) (S34	0.137	0.164	0.159	0.146	0.146	0.150	2.3		
443 N-NITROSDIPHENYLAMINE (04#3) (86-30-6	0.667	0.593	0.574	0.488	0.463	0.529	14.6		
567 DIPHENYLAMINE (F3#3)	0.667	0.599	0.574	0.408	0.416	0.559	14.6		
598 1,3,5-TRINITROBENZENE (Z9#41)	0.089	0.122	0.109	0.105	0.119	0.109	12.1		
539 PHENACETIN (Z9#2) (63-44-2)	0.598	0.632	0.546	0.561	0.529	0.572	2.5		
414 4-BROMOPHENYL PHENYL ETHER (04#4) (101	0.240	0.232	0.239	0.222	0.227	0.233	3.4		
577 DIBLATE (TRANS ISOMER)	0.165	0.167	0.170	0.167	0.170	0.170	3.4		
541 DIMETHOATE (Z9#44)	0.235	0.177	0.176	0.136	0.130	0.171	24.6		
433 HEXACHLOROBENZENE (04#5) (118-74-1)	0.366	0.312	0.316	0.293	0.292	0.319	8.9		
482 4-AMINOBIOPHENYL (Z9#45)	0.368	0.461	0.454	0.681	0.637	0.651	9.4		
522 PRONAMIDE (Z9#46)	0.471	0.461	0.454	0.473	0.489	0.454	5.0		
609 PENTACHLOROPHENOL (04#6) (87-86-5)	0.172	0.192	0.200	0.212	0.212	0.190	5.0		
444 PENTACHLORONITROBENZENE (Z9#47)	0.110	0.117	0.112	0.120	0.105	0.113	5.2		
443 PHENANTHRENE (04#7) (85-01-8)	1.194	1.184	1.258	1.271	1.191	1.220	5.2		
403 ANTHRAcene (04#8) (120-12-7)	1.103	1.180	0.999	1.039	0.987	1.046	12.1		
426 DI-N-BUTYL PHTHALATE (04#9) (84-74-2)	2.142	1.921	1.626	1.756	1.572	1.842	11.4		
516 METHYRILENE (Z9#48)	0.682	0.609	0.572	0.618	0.574	0.612	1.4		
549 CYCLOPHOSPHAMIDE (Z9#49)	0.618	0.622	0.572	0.616	0.614	0.610	1.3		
431 FLUORANTHENE (04#10) (206-44-0)	1.123	1.217	1.142	1.114	0.997	1.119	7.1		
404 BENZIDINE (05#2) (32-87-5)	0.065	0.045	0.097	0.087	0.084	0.071	29.5		
445 PYRENE (05#3) (129-00-0)	0.522	0.519	0.399	0.278	0.278	0.363	15.5		
530 ARAMITE (Z9#50) (140-57-4)	0.286	0.293	0.212	0.193	0.171	0.270	10.5		
487 P-DIMETHYLANINAZOBENZENE (Z9#51)	1.107	0.966	0.903	0.780	0.670	0.885	7.7		
523 CHLOROBENZYLATE (Z9#52)	0.439	0.408	0.407	0.362	0.292	0.308	17.0		
545 3,3'-DIMETHYLBENZIDINE (Z9#53)	1.214	1.111	1.029	0.890	0.823	1.019	16.6		
415 BUTYLBENZYL PHTHALATE (Z9#54)	0.345	0.395	0.385	0.406	0.369	0.380	5.0		
488 2-ACETYLAMINO FLUORENE (F3#2)	0.160	0.178	0.169	0.150	0.165	0.170	4.7		
489 4,4'-METHYLENE-BIS(2-CHLORANILINE) (2	0.231	0.255	0.231	0.252	0.240	0.242	4.7		
423 3,3'-DICHLOROBENZIDINE (05#5) (91-94-1	0.192	0.142	0.173	0.152	0.122	0.156	17.4		
533 DIMETHOXYBENZIDINE (Z9#57)	1.756	1.417	1.335	1.245	1.027	1.353	15.9		
413 1,3,2-EVYLINENE (Z9#57) PHTHALATE (05#7) (11	1.110	1.179	1.107	1.102	1.040	1.109	4.4		
405 BENZO(A)ANTHRACENE (05#6) (55-55-3)	1.643	1.033	1.016	1.012	0.903	1.001	5.6		
418 CHRYSENE (05#8) (218-01-9)	4.089	3.777	3.712	3.289	2.941	3.592	12.6		
429 DI-N-OCTYL PHTHALATE (05#2) (117-84-0)	0.045	0.020	0.044	0.017	0.020	0.021	3.5		
407 BENZO(B)FLUORANTHENE (05#3) (205-99-2)	0.712	0.961	0.737	0.702	0.620	0.839	4.4		
517 7,12-DIMETHYL BENZANTHRACENE (Z9#55)	1.045	1.038	1.044	1.017	0.928	1.021	3.6		
409 BENZO(K)FLUORANTHENE (06#4) (207-08-9)	1.045	1.110	1.083	1.110	1.046	1.092	3.6		
405 BENZO(G)PYRENE (05#5) (50-32-8)	0.602	0.632	0.622	0.650	0.622	0.626	2.0		
565 3-METHYLCHLORANIKENE (F6#2)									

MAXIMUM 2 RSD FOR CCC 15 30

RF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
WBS - AVERAGE RESPONSE FACTOR  
ZK50 - PERCENT RELATIVE STANDARD DEVIATION (U3)

CCC - CALIBRATION CHECK COMPOUNDS (\*\*)  
SPCC - SYSTEM PERFORMANCE CHECK COMPOUNDS (\*\*\*)  
\*\* - EITHER NOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
MST6 NSL COMPOUNDS

PAGE 2

CASE NO: COMPUTEM  
CONTRACTOR: COMPUTEM  
CONTRACT NO: MINIMUM AVG RF FOR SPOC IS 0.056

INSTRUMENT ID: 05  
CALIBRATION DATE: 05/05/90

MAXIMUM % RSD FOR CCC IS 30

COMPOUND	RF ( 20 )	RF ( 50 )	RF ( 80 )	RF ( 120 )	RF ( 160 )	AUG RF	ZRSO	CCC * SPOC**	P/F
566 DIBENZO(A, J)ACRIDINE	0.504	0.559	0.544	0.591	0.543	0.540	5.7		
437 INDENO(1,2,3-C,D)PYRENE (0585)	0.819	0.973	0.841	0.895	0.813	0.840	4.1		
419 DIBENZO(A, H)ANTHROCENE (0617)	0.634	0.696	0.682	0.726	0.679	0.683	4.9		
403 BENZO(G, H, I)PERYLENE (0618)	0.629	0.650	0.605	0.647	0.612	0.621	5.2		
576 DIHLUTE (CIS ISOMER)	0.705	0.710	0.688	0.670	0.657	0.696	3.3		

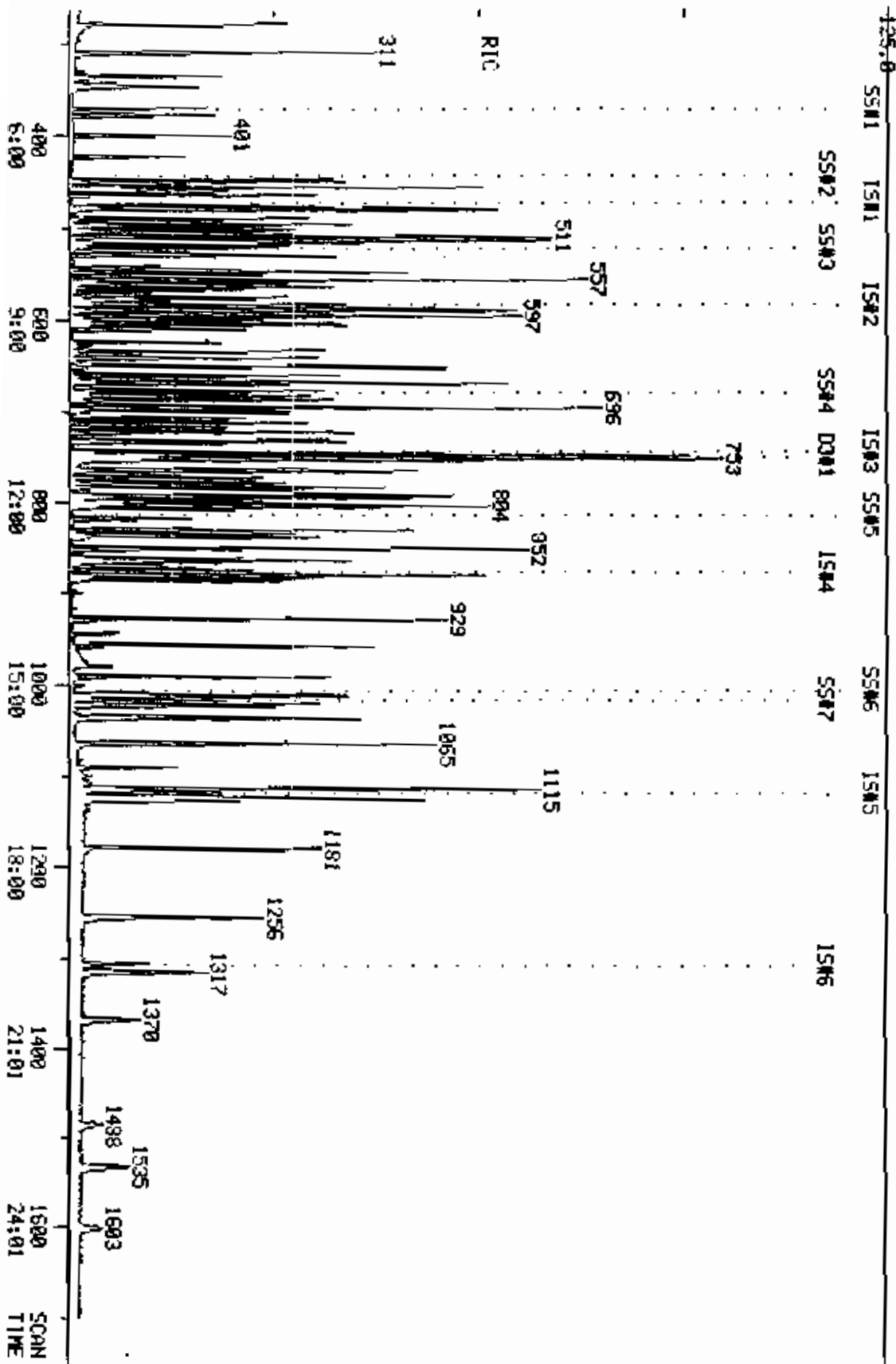
RF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
AUG RF - AVERAGE RESPONSE FACTOR  
ZRSO - PERCENT RELATIVE STANDARD DEVIATION (%R)

CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPOC - SYSTEM PERFORMANCE CHECK COMPOUNDS (\*\*)  
\*\* - EITHER NOT DETECTABLE OR SATURATED

RIC  
 05/05/90 4:00:00  
 SAMPLE: 2 UL 31671-#2386 20 MG 8270 VERSION 3 STD. (SSTD020)  
 COND5.1

COMPUTHER LABS  
 COMPUTHER DATA: HHS00505005 SCANS 259 TO 1700  
 OUT OF 259 TO 1700

986889.





QUANTITATION REPORT FILE: HH900505A06  
DATA: HH900505A06.TI  
05/05/90 4:00:00  
SAMPLE: 2 UL 31671-#2386 20 NG 8270 VERSION 3 STD. (SSTD020)  
CONDS.:  
SUBMITTED BY: 6 ANALYST: 875

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

NO	NAME
1	*467 D10-PHENANTHRENE (I8#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (Q4#7) <85-01-8>
16	403 ANTHRACENE (Q4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (Q4#10) <206-44-0>
21	*459 D12-CHRYSENE (IS#5)
22	404 BENZIDINE (Q5#2) <92-87-5>
23	445 PYRENE (Q5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUDRENE (F5#2)
30	459 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
35	418 CHRYSENE (Q5#8) <218-01-9>
36	*497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
41	406 BENZO(A)PYRENE (Q6#5) <50-32-5>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INOENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
45	419 DIBENZO(A,M)ANTHRACENE (Q6#7) <53-7D-3>
46	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>

NO NAME  
47 576 DIALATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	%TOT
1	188	881	13:13	1	1.000	A BB	311612.	40.000 NG	3.06
2	198	803	12:03	1	0.911	A BB	21272.	18.686 NG	1.43
3	169	✓804	12:04	1	0.913	A BB	207988.0294	56.866 NG	4.36
4	169	✓804	12:04	1	0.913	A BB	207988.0394	56.866 NG	4.36
5	213	831	12:28	1	0.943	A BB	13912.	15.017 NG	1.15
6	108	833	12:30	1	0.946	A BB	93128.	22.776 NG	1.74
7	248	837	12:34	1	0.950	A BB	37460.	21.192 NG	1.62
8	234	✓831	12:28	1	0.943	M XX	12832.	9.239 NG	0.71
9	125	852	12:47	1	0.967	A BB	36648.	36.185 NG	2.77
10	284	852	12:47	1	0.967	A BB	57000.	24.255 NG	1.86
11	169	862	12:56	1	0.978	A BV	88444.	17.273 NG	1.32
12	173	865	12:59	1	0.982	A+BB	73328.	23.037 NG	1.76
13	266	868	13:02	1	0.985	A BV	26852.	16.226 NG	1.24
14	237	875	13:08	1	0.993	A BB	17180.	21.087 NG	1.62
15	178	✓883	13:15	1	1.002	M XX	185960.	20.043 NG	1.54
16	178	✓887	13:19	1	1.007	M XX	184308.	27.300 NG	2.09
17	149	929	13:56	1	1.054	A VB	333740.	27.249 NG	2.09
18	97	959	14:23	1	1.089	A BV	106756.	23.854 NG	1.83
19	211	980	14:42	1	1.112	A BB	11052.	100.506 NG	7.70
20	202	✓992	14:53	1	1.126	A BB	174984.	22.530 NG	1.73
21	240	1125	16:53	21	1.000	A BB	232048.	40.000 NG	3.06
22	184	✓1001	15:01	21	0.890	A BB	7676.	21.998 NG	1.69
23	202	✓1013	15:12	21	0.900	A BV	182776.	30.185 NG	2.31
24	185	1024	15:22	21	0.910	A VB	29280.	29.561 NG	2.26
25	225	1036	15:33	21	0.921	A BB	33388.	23.707 NG	1.82
26	139	1038	15:35	21	0.923	A BB	128096.	33.044 NG	2.53
27	212	1066	16:00	21	0.948	A BV	50972.	30.132 NG	2.31
28	149	1065	15:59	21	0.947	A BV	144332.	30.238 NG	2.32
29	181	1091	16:22	21	0.970	A BB	40044.	18.745 NG	1.44
30	231	1116	16:45	21	0.992	A BB	18540.	19.326 NG	1.48
31	252	1117	16:46	21	0.993	A BB	26764.	19.217 NG	1.47
32	244	1114	16:43	21	0.990	A BB	22324.	31.575 NG	2.42
33	149	1115	16:44	21	0.991	A BV	203952.	34.231 NG	2.62
34	228	✓1123	16:51	21	0.998	A BV	128800.	21.343 NG	1.63
35	228	✓1127	16:55	21	1.002	A VB	121059.	23.100 NG	1.77
36	264	1317	19:46	36	1.000	A BB	151872.	40.000 NG	3.06
37	149	1180	17:42	36	0.896	A BV	310478.	27.800 NG	2.13
38	252	✓1255	18:50	36	0.953	A BV	✓158840.	43.652 NG	3.34
39	256	1256	18:51	36	0.954	A BB	54080.	21.264 NG	1.63
40	252	✓1255	18:50	36	0.953	A BV	✓158840.	43.652 NG	3.34
41	252	1308	19:38	36	0.993	A BV	80704.	20.323 NG	1.56
42	268	1370	20:33	36	1.040	A BB	45720.	19.356 NG	1.48
43	279	1487	22:19	36	1.129	A BB	38236.	18.563 NG	1.42
44	276	✓1535	23:02	36	1.166	A BB	62176.	20.135 NG	1.54
45	278	✓1535	23:02	36	1.166	A BB	48152.	18.718 NG	1.43
46	276	✓1602	24:02	36	1.216	A BB	47760.	21.986 NG	1.68
47	234	✓839	12:35	1	0.952	A BB	17156.	3.350 NG	0.26

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:05	1.00	30.000	0.03	18.69	160.00	0.017	0.146	0.12
3	12:06	1.00	10.000	0.09	56.87	320.01	0.083	0.469	0.18
4	12:06	1.00	10.000	0.09	56.87	320.01	0.083	0.469	0.18

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:32	1.00	20.000	0.05	15.02	160.00	0.011	0.119	0.09
6	12:33	1.00	10.000	0.09	22.78	160.00	0.075	0.525	0.14
7	12:35	1.00	10.000	0.10	21.19	160.00	0.030	0.227	0.13
8	12:29	1.00	10.000	0.09	9.24	80.00	0.021	0.178	0.12
9	12:49	1.00	10.000	0.10	36.19	160.00	0.029	0.130	0.23
10	12:48	1.00	10.000	0.10	24.25	160.00	0.044	0.302	0.15
11	12:58	1.00	10.000	0.10	17.27	160.00	0.071	0.657	0.11
12	13:01	1.00	10.000	0.10	23.04	160.00	0.059	0.409	0.14
13	13:02	1.00	20.000	0.05	16.23	160.00	0.022	0.212	0.10
14	13:09	1.00	10.000	0.10	21.09	160.00	0.014	0.105	0.10
15	13:17	1.00	10.000	0.10	20.04	160.00	0.149	1.191	0.13
16	13:20	1.00	10.000	0.10	27.30	160.00	0.148	0.867	0.17
17	13:57	1.00	10.000	0.11	27.25	160.00	0.268	1.572	0.17
18	14:25	1.00	20.000	0.05	23.85	160.00	0.086	0.574	0.15
19	14:46	1.00	50.000	0.02	100.51	640.00	0.002	0.014	0.16
20	14:55	1.00	10.000	0.11	22.53	160.00	0.140	0.997	0.14
21	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:03	1.00	10.000	0.09	22.00	160.00	0.008	0.060	0.14
23	15:15	1.00	10.000	0.09	30.18	160.00	0.197	1.044	0.19
24	15:24	1.00	20.000	0.05	29.56	160.00	0.032	0.171	0.18
25	15:35	1.00	10.000	0.09	23.71	160.00	0.036	0.243	0.15
26	15:36	1.00	10.000	0.09	33.04	160.00	0.138	0.670	0.21
27	16:02	1.00	20.000	0.05	30.13	160.00	0.055	0.292	0.19
28	16:02	1.00	10.000	0.09	30.24	160.00	0.155	0.823	0.19
29	16:26	1.00	10.000	0.10	18.74	160.00	0.043	0.368	0.12
30	16:48	1.00	10.000	0.10	19.33	160.00	0.020	0.165	0.12
31	16:49	1.00	10.000	0.10	19.22	160.00	0.029	0.240	0.12
32	16:46	1.00	10.000	0.10	31.57	160.00	0.024	0.122	0.20
33	16:47	1.00	10.000	0.10	34.23	160.00	0.220	1.027	0.21
34	16:54	1.00	10.000	0.10	21.34	160.00	0.139	1.040	0.13
35	16:58	1.00	10.000	0.10	23.10	160.00	0.130	0.903	0.14
36	19:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:47	1.00	10.000	0.09	27.80	160.00	0.511	2.941	0.17
38	18:56	0.99	10.000	0.10	43.65	320.00	0.131	0.958	0.14
39	18:56	1.00	10.000	0.10	21.26	160.00	0.089	0.670	0.13
40	18:56	0.99	10.000	0.10	43.65	320.00	0.131	0.958	0.14
41	19:44	0.99	10.000	0.10	20.32	160.00	0.133	1.046	0.13
42	20:42	0.99	10.000	0.10	19.36	160.00	0.075	0.622	0.12
43	22:30	0.99	10.000	0.11	18.54	160.00	0.063	0.543	0.12
44	23:16	0.99	10.000	0.12	20.14	160.00	0.102	0.813	0.13
45	23:16	0.99	10.000	0.12	18.72	160.00	0.079	0.678	0.12
46	24:16	0.99	10.000	0.12	21.99	160.00	0.079	0.572	0.14
47	12:36	1.00	10.000	0.10	3.35	25.00	0.088	0.657	0.13

*ed*

QUANTITATION REPORT      FILE: HH900505A06  
DATA: HH900505A06.TI  
05/05/90 4:00:00  
SAMPLE: 2 UL 31671-#2386 20 NG 8270 VERSION 3 STD. (SSTD020)  
CONDS.:  
SUBMITTED BY: 6                      ANALYST: 875

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSOIMETHYLAMINE (G1#2) <62-75-9>
3	451 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 FORMALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	539 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (P1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 D8-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE (T2#3)
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZYL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLOROANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA,ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#19) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSD-DI-N-BUTYLAMINE (Z9#24) <924-14-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*475 D10-ACENAPHTHENE (IS#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	478 5-NITRO-D-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (IS#4)
93	*459 D12-CHRYSENE (IS#5)
94	*497 D12-PERYLENE
95	#619 2-FLUOROPHENOL (SS#1)
96	#612 D5-PHENOL (SS#2)
97	#447 D5-NITROBENZENE (SS#3)
98	#448 2-FLUOROBIPHENYL (SS#4)
99	#628 2,4,6-TRIBROMOPHENOL (SS#5)
100	#471 D10-PYRENE (SS#6)
101	#496 D14-TERPHENYL (SS#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	479	7:11	1	1.000	A BB	110080.	40.000 NG	1.36
2	42	280	4:12	1	0.585	A BV	85412.	23.602 NG	0.80
3	79	280	4:12	1	0.585	A BB	81788.	19.949 NG	0.68
4	69	311	4:40	1	0.649	A BB	102680.	27.632 NG	0.94
5	89	311	4:40	1	0.649	A BB	19820.	29.172 NG	0.99
6	93	337	5:03	1	0.704	A BB	85336.	21.691 NG	0.74
7	88	348	5:13	1	0.727	A BB	92644.	93.694 NG	3.18
8	80	372	5:35	1	0.777	A BB	70028.	25.657 NG	0.87
9	102	401	6:01	1	0.837	A BB	46136.	23.316 NG	0.79
10	109	423	6:21	1	0.883	A BB	48740.	24.015 NG	0.82
11	94	450	6:45	1	0.939	A BV	117596.	28.113 NG	0.96
12	93	✓457	6:51	1	0.954	M XX	163664.	27.359 NG	0.93
13	167	✓457	6:51	1	0.954	A BB	37252.	29.600 NG	1.01
14	93	✓459	6:53	1	0.958	M XX	125008.	29.216 NG	0.99
15	128	465	6:59	1	0.971	A BB	94776.	26.199 NG	0.89
16	146	✓477	7:09	1	0.996	A BV	99236.	26.457 NG	0.90
17	91	482	7:14	1	1.006	A BB	202316.	35.967 NG	1.22
18	146	✓481	7:13	1	1.004	A VB	98416.	29.271 NG	0.99
19	108	✓491	7:22	1	1.025	A BV	53116.	22.758 NG	0.77
20	146	✓497	7:27	1	1.038	A BB	93952.	24.790 NG	0.84
21	108	✓499	7:29	1	1.042	A VV	79928.	23.873 NG	0.81
22	45	503	7:33	1	1.050	A BB	262808.	25.659 NG	0.87
23	108	✓511	7:40	1	1.067	A BV	15791278946	58.608 NG	1.99
24	108	✓511	7:40	1	1.067	A BV	18791278946	58.608 NG	1.99
25	100	516	7:45	1	1.077	A BB	90500.	28.412 NG	0.97
26	116	518	7:46	1	1.081	A BB	25864.	28.863 NG	0.98
27	105	515	7:44	1	1.075	A BB	132496.	30.307 NG	1.03
28	70	516	7:45	1	1.077	A BB	101596.	27.411 NG	0.93
29	106	519	7:47	1	1.084	A BB	111148.	29.628 NG	1.01
30	117	522	7:50	1	1.090	A BB	56936.	26.825 NG	0.91
31	136	589	8:50	31	1.000	A BB	376388.	40.000 NG	1.36
32	77	531	7:58	31	0.902	A BB	134044.	27.151 NG	0.92
33	114	544	8:10	31	0.924	A BB	44604.	21.924 NG	0.74
34	82	✓549	8:14	31	0.932	A BB	260320.	25.465 NG	0.87
35	107	556	8:21	31	0.944	A BB	94292.	35.783 NG	1.22
36	139	558	8:22	31	0.947	A BB	42672.	27.901 NG	0.95
37	180	557	8:21	31	0.946	A BB	84160.	34.376 NG	1.17
38	125	560	8:24	31	0.951	A BB	155104.	28.036 NG	0.95
39	122	✓562	8:26	31	0.954	A VV	29096.	15.661 NG	0.53
40	93	566	8:30	31	0.961	A BB	127528.	26.619 NG	0.90
41	162	576	8:39	31	0.978	A BB	61964.	20.473 NG	0.70
42	180	585	8:47	31	0.993	A BB	80712.	22.943 NG	0.78
43	128	591	8:52	31	1.003	A BB	255044.	29.298 NG	1.00
44	127	597	8:58	31	1.014	A BB	97408.	27.719 NG	0.94
45	162	✓597	8:58	31	1.014	A BB	67440.	24.551 NG	0.83
46	108	601	9:01	31	1.020	A BB	50416.	149.504 NG	5.08
47	91	581	8:43	31	0.986	A BV	41656.	62.627 NG	2.13
48	213	600	9:00	31	1.019	A BB	48696.	22.482 NG	0.76
49	225	604	9:04	31	1.025	A BB	49924.	24.240 NG	0.82
50	180	607	9:07	31	1.031	A BB	75092.	23.340 NG	0.79
51	159	611	9:10	31	1.037	A BB	90768.	23.040 NG	0.78
52	84	625	9:23	31	1.061	A BB	51145.	24.666 NG	0.84
53	107	✓635	9:32	31	1.078	A VB	90184.	22.652 NG	0.77
54	108	✓635	9:32	31	1.078	M XX	7924.	6.131 NG	0.21
55	162	✓642	9:38	31	1.090	A BB	57540.	21.669 NG	0.74
56	108	✓645	9:41	31	1.095	M XX	4536.	9.175 NG	0.31

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HOHT)	AMOUNT	%TOT
57	142	652	9:47	31	1.107	A BB	190148.	29.030 NG	0.99
58	142	662	9:56	31	1.124	A BB	106792.	25.425 NG	0.86
59	164	748	11:13	59	1.000	A BB	212420.	40.000 NG	1.36
60	216	669	10:02	59	0.894	A BB	1489207460	61.060 NG	2.07
61	216	669	10:02	59	0.894	A BB	1489254460	61.060 NG	2.07
62	237	670	10:03	59	0.896	A BB	23144.	19.645 NG	0.67
63	196	678	10:10	59	0.906	M XX	46800.	17.848 NG	0.61
64	196	681	10:13	59	0.910	M XX	45008.	24.150 NG	0.82
65	162	688	10:19	59	0.920	A BB	52344.	20.733 NG	0.70
66	162	696	10:27	59	0.930	M XX	149468.	25.497 NG	0.87
67	162	699	10:29	59	0.934	M XX	116884.	23.466 NG	0.87
68	216	696	10:27	59	0.930	A BB	75304.	29.797 NG	1.01
69	65	708	10:37	59	0.947	A BV	74912.	21.171 NG	0.72
70	158	713	10:42	59	0.953	A BB	50664.	49.334 NG	1.68
71	168	718	10:46	59	0.960	A BB	23616.	16.637 NG	0.57
72	163	723	10:51	59	0.967	A BB	164252.	22.894 NG	0.78
73	165	732	10:59	59	0.979	A BB	37132.	20.758 NG	0.71
74	152	735	11:02	59	0.983	A BB	202240.	22.779 NG	0.77
75	138	745	11:11	59	0.996	A BV	32564.	16.741 NG	0.57
76	153	751	11:16	59	1.004	A BB	133836.	25.971 NG	0.88
77	184	754	11:19	59	1.008	A BB	14040.	13.693 NG	0.53
78	109	759	11:20	59	1.009	A BB	24540.	24.008 NG	0.82
79	165	767	11:31	59	1.025	A BB	48032.	20.069 NG	0.68
80	168	765	11:29	59	1.023	A BB	173088.	22.906 NG	0.78
81	250	766	11:30	59	1.024	A BB	66136.	24.234 NG	0.82
82	143	773	11:36	59	1.033	A BV	96132.	16.960 NG	0.58
83	143	779	11:41	59	1.041	A VB	65224.	14.160 NG	0.48
84	232	778	11:40	59	1.040	A BB	31208.	18.034 NG	0.61
85	149	785	11:47	59	1.049	A BB	196608.	24.770 NG	0.84
86	97	794	11:55	59	1.061	A BB	57756.	28.130 NG	0.96
87	204	793	11:54	59	1.060	A BB	61360.	22.375 NG	0.76
88	166	796	11:57	59	1.064	A BB	143896.	24.910 NG	0.85
89	138	800	12:00	59	1.070	A BB	31324.	23.754 NG	0.81
90	152	799	11:59	59	1.068	A BV	41380.	18.602 NG	0.63
91	77	808	12:07	59	1.080	A VB	345532.	29.339 NG	1.00
92	188	881	13:13	92	1.000	A BB	311612.	40.000 NG	1.36
93	240	1125	16:53	93	1.000	A BB	232048.	40.000 NG	1.36
94	264	1317	19:46	94	1.000	A BB	151872.	40.000 NG	1.36
95	112	379	5:41	1	0.791	A BB	85176.	26.156 NG	0.89
96	99	449	6:44	1	0.937	A BV	107204.	28.306 NG	0.96
97	82	629	7:56	31	0.898	A BB	116744.	29.381 NG	0.86
98	172	684	10:16	59	0.914	A BB	142944.	24.232 NG	0.82
99	330	819	12:17	59	1.095	A BB	19424.	16.920 NG	0.57
100	212	1012	15:11	93	0.900	A BV	148932.	27.001 NG	0.92
101	244	1022	15:20	93	0.908	A BB	137912.	27.787 NG	0.94

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:08	1.02	10.000	0.06	23.60	160.00	0.194	1.315	0.15
3	4:05	1.03	10.000	0.06	19.95	160.00	0.186	1.493	0.12
4	4:36	1.02	10.000	0.06	27.63	160.00	0.233	1.350	0.17
5	4:36	1.02	10.000	0.06	29.17	160.00	0.045	0.247	0.18
6	4:59	1.02	20.000	0.04	21.69	160.00	0.194	1.430	0.14
7	5:11	1.01	10.000	0.07	93.69	640.00	0.053	0.359	0.15
8	5:32	1.01	10.000	0.08	25.66	160.00	0.159	0.992	0.16
9	5:58	1.01	10.000	0.08	23.32	160.00	0.105	0.719	0.15

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:20	1.00	10.000	0.09	24.02	160.00	0.111	0.737	0.15
11	6:44	1.00	10.000	0.09	28.11	160.00	0.267	1.520	0.18
12	6:50	1.00	10.000	0.10	27.36	160.00	0.372	2.174	0.17
13	6:49	1.01	10.000	0.10	29.60	160.00	0.085	0.457	0.19
14	6:52	1.00	20.000	0.05	29.22	160.00	0.284	1.555	0.18
15	6:37	1.00	10.000	0.10	26.20	160.00	0.215	1.314	0.16
16	7:08	1.00	10.000	0.10	26.46	160.00	0.225	1.363	0.17
17	7:12	1.00	10.000	0.10	35.97	160.00	0.459	2.044	0.22
18	7:11	1.00	10.000	0.10	29.27	160.00	0.224	1.222	0.18
19	7:21	1.00	10.000	0.10	22.76	160.00	0.121	0.848	0.14
20	7:26	1.00	10.000	0.10	24.79	160.00	0.213	1.377	0.15
21	7:29	1.00	10.000	0.10	23.87	160.00	0.182	1.217	0.15
22	7:32	1.00	10.000	0.11	25.66	160.00	0.597	3.722	0.16
23	7:41	1.00	10.000	0.11	58.61	320.00	0.179	0.979	0.18
24	7:41	1.00	10.000	0.11	58.61	320.00	0.179	0.979	0.18
25	7:46	1.00	10.000	0.11	28.41	160.00	0.115	0.646	0.18
26	7:46	1.00	10.000	0.11	28.86	160.00	0.059	0.326	0.18
27	7:44	1.00	10.000	0.11	30.31	160.00	0.301	1.589	0.19
28	7:45	1.00	10.000	0.11	27.41	160.00	0.231	1.347	0.17
29	7:46	1.00	10.000	0.11	29.63	160.00	0.252	1.363	0.19
30	7:49	1.00	10.000	0.11	26.83	160.00	0.129	0.771	0.17
31	8:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:58	1.00	10.000	0.09	27.15	160.00	0.089	0.525	0.17
33	8:11	1.00	10.000	0.09	21.92	160.00	0.030	0.216	0.14
34	8:14	1.00	10.000	0.09	25.47	160.00	0.173	1.086	0.16
35	8:21	1.00	10.000	0.09	35.78	160.00	0.063	0.280	0.22
36	8:21	1.00	10.000	0.09	27.90	160.00	0.028	0.163	0.17
37	8:21	1.00	10.000	0.09	34.38	160.00	0.056	0.260	0.21
38	8:24	1.00	10.000	0.10	28.04	160.00	0.103	0.588	0.18
39	8:29	0.99	10.000	0.01	15.66	160.00	0.019	0.197	0.10
40	8:30	1.00	10.000	0.10	26.62	160.00	0.085	0.509	0.17
41	8:39	1.00	10.000	0.10	20.47	160.00	0.041	0.322	0.13
42	8:46	1.00	10.000	0.10	22.94	160.00	0.054	0.374	0.14
43	8:52	1.00	10.000	0.10	29.30	160.00	0.169	0.925	0.18
44	8:58	1.00	10.000	0.10	27.72	160.00	0.065	0.373	0.17
45	8:58	1.00	20.000	0.05	24.55	160.00	0.045	0.292	0.15
46	8:50	1.02	10.000	0.10	149.50	160.00	0.033	0.036	0.93
47	9:18	0.94	10.000	0.10	62.63	160.00	0.028	0.071	0.39
48	9:00	1.00	10.000	0.10	22.48	160.00	0.032	0.230	0.14
49	9:04	1.00	10.000	0.10	24.24	160.00	0.033	0.219	0.15
50	9:07	1.00	10.000	0.10	23.34	160.00	0.050	0.342	0.15
51	9:10	1.00	20.000	0.05	23.04	160.00	0.060	0.419	0.14
52	9:23	1.00	10.000	0.11	24.67	160.00	0.034	0.220	0.15
53	9:33	1.00	10.000	0.11	22.65	160.00	0.060	0.423	0.14
54	9:33	1.00	10.000	0.11	6.13	160.00	0.005	0.137	0.04
55	9:39	1.00	10.000	0.11	21.67	160.00	0.038	0.282	0.14
56	9:42	1.00	10.000	0.11	9.18	160.00	0.003	0.053	0.06
57	9:47	1.00	10.000	0.11	29.03	160.00	0.126	0.696	0.18
58	9:56	1.00	10.000	0.11	25.43	160.00	0.071	0.446	0.16
59	11:14	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:02	1.00	10.000	0.09	61.06	320.00	0.088	0.459	0.19
61	10:02	1.00	10.000	0.09	61.06	320.00	0.088	0.459	0.19
62	10:03	1.00	10.000	0.09	19.64	160.00	0.027	0.222	0.12
63	10:10	1.00	20.000	0.05	17.85	160.00	0.055	0.494	0.11
64	10:14	1.00	20.000	0.05	24.15	160.00	0.053	0.351	0.15
65	10:20	1.00	20.000	0.05	20.73	160.00	0.062	0.475	0.13



NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:27	1.00	10.000	0.09	25.50	160.00	0.176	1.104	0.16
67	10:30	1.00	10.000	0.09	25.47	160.00	0.138	0.864	0.16
68	10:28	1.00	10.000	0.09	29.80	160.00	0.089	0.476	0.19
69	10:38	1.00	10.000	0.09	21.17	160.00	0.088	0.663	0.13
70	10:42	1.00	20.000	0.05	49.33	160.00	0.060	0.193	0.31
71	10:47	1.00	20.000	0.05	16.64	160.00	0.028	0.267	0.10
72	10:52	1.00	10.000	0.10	22.89	160.00	0.193	1.351	0.14
73	11:00	1.00	10.000	0.10	20.76	160.00	0.044	0.337	0.13
74	11:02	1.00	10.000	0.10	22.78	160.00	0.238	1.672	0.14
79	11:12	1.00	20.000	0.09	16.74	160.00	0.038	0.366	0.10
76	11:17	1.00	10.000	0.10	25.97	160.00	0.158	0.970	0.16
77	11:20	1.00	40.000	0.03	15.69	160.00	0.017	0.168	0.10
78	11:22	1.00	10.000	0.10	24.01	160.00	0.029	0.192	0.15
79	11:31	1.00	10.000	0.10	20.07	160.00	0.057	0.451	0.13
80	11:30	1.00	10.000	0.10	22.91	160.00	0.204	1.423	0.14
81	11:31	1.00	10.000	0.10	24.23	160.00	0.078	0.514	0.15
82	11:37	1.00	20.000	0.09	16.96	160.00	0.113	1.067	0.11
83	11:43	1.00	20.000	0.05	14.16	160.00	0.077	0.867	0.09
84	11:41	1.00	20.000	0.05	18.03	160.00	0.037	0.326	0.11
85	11:49	1.00	10.000	0.10	24.77	160.00	0.231	1.495	0.15
86	11:57	1.00	10.000	0.11	28.13	160.00	0.068	0.387	0.18
87	11:55	1.00	10.000	0.11	22.37	160.00	0.072	0.516	0.14
88	11:58	1.00	10.000	0.11	24.91	160.00	0.169	1.088	0.16
89	12:03	1.00	20.000	0.09	23.75	160.00	0.037	0.248	0.15
90	12:01	1.00	20.000	0.05	18.60	160.00	0.049	0.419	0.12
91	12:08	1.00	10.000	0.11	29.34	160.00	0.407	2.218	0.18
92	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	19:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:39	1.01	0.742	1.07	26.16	160.00	0.193	1.183	0.16
96	6:43	1.00	0.948	0.99	28.31	160.00	0.243	1.376	0.18
97	7:56	1.00	0.878	1.03	25.38	160.00	0.078	0.489	0.16
98	10:17	1.00	0.906	1.01	24.23	160.00	0.168	1.111	0.15
99	12:19	1.00	1.118	0.98	16.92	160.00	0.023	0.216	0.11
100	15:13	1.00	10.000	0.09	27.00	160.00	0.160	0.951	0.17
101	15:22	1.00	0.907	1.00	27.79	160.00	0.149	0.856	0.17

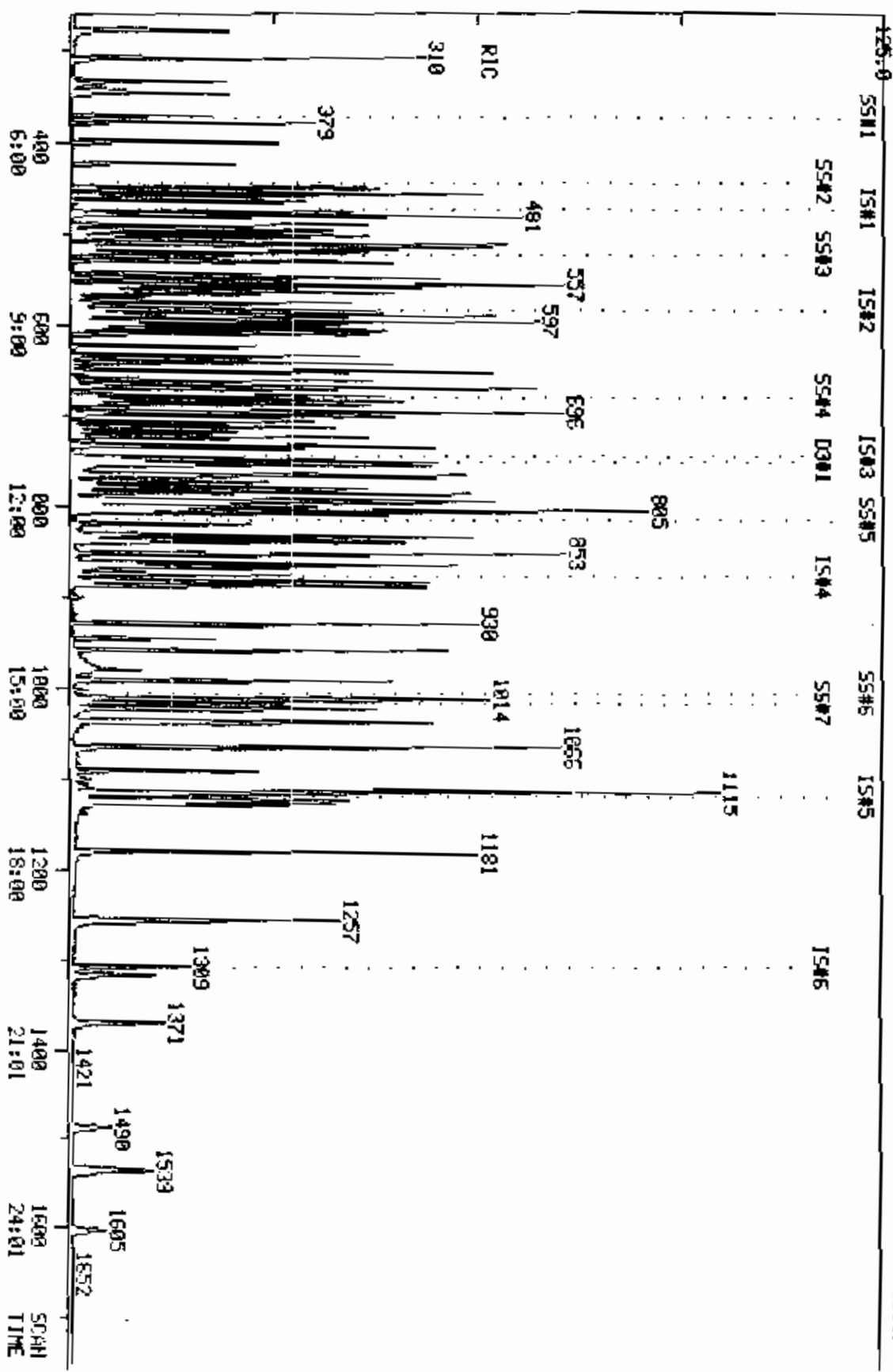
COMPUCHEN LABS

COMPUCHEN DATA: HK900505A06 SCANS 258 TO 1750

OUT OF 258 TO 1750

RIC  
05/05/90 6:36:00  
SAMPLE: 2 UL 31672-#2387 50 MG NG 9270 VERSION 3 STD. (S5TT0050)  
COND.S.:

2163192.



QUANTITATION REPORT FILE: HK900505A06  
DATA: HK900505A06.TI  
05/05/90 6:36:00  
SAMPLE: 2 UL 31672-#2387 50 NG 9270 VERSION 3 STD. (SST0050)  
CONDS.:  
SUBMITTED BY: 06 ANALYST: 875

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

NO	NAME
1	*494 04-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10599-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROBOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I8#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROSPERIDINE (T2#3)
34	438 ISOPHORONE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLORODANILINE (Q2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-43-2>

NO	NAME
47	515 ALPHA,ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAPROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#2B) <90-12-0>
59	*495 D10-ACENAPHTHENE (IS#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (P3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (IB#4)
93	*459 D12-CHRYSENE (IS#5)
94	*497 D12-PERYLENE
95	*619 2-FLUOROPHENOL (88#1)
96	*612 D5-PHENOL (88#2)
97	*447 D5-NITROBENZENE (SS#3)
98	*448 2-FLUOROBIPHENYL (SS#4)
99	*628 2,4,6-TRIBROMOPHENOL (SS#5)
100	*471 D10-PYRENE (SB#6)
101	*496 D14-TERPHENYL (SS#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	ZTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	132	479	7:11	1	1.000	A BB	136756.	40.000 NG	0.64
2	42	279	4:11	1	0.582	A VB	236220.	52.465 NG	0.83
3	79	277	4:09	1	0.578	A BB	217808.	42.597 NG	0.68
4	69	310	4:39	1	0.647	A BB	256108.	55.396 NG	0.88
5	89	310	4:39	1	0.647	A BB	50900.	60.216 NG	0.96
6	93	335	5:02	1	0.699	A BB	259336.	52.983 NG	0.84
7	88	348	5:13	1	0.727	A BB	259576.	211.002 NO	3.33
8	80	372	5:35	1	0.777	A BB	187404.	55.188 NO	0.88
9	102	400	6:00	1	0.835	A BB	132936.	53.998 NG	0.86
10	109	423	6:21	1	0.883	A BB	129288.	51.202 NG	0.81
11	94	450	6:45	1	0.939	A BV	305428.	58.689 NG	0.93
12	93	456	6:51	1	0.952	M XX	389072.	52.275 NG	0.83
13	167	456	6:51	1	0.952	A BB	100196.	63.991 NG	1.02
14	93	459	6:53	1	0.958	M XX	318424.	59.816 NG	0.95
15	128	465	6:59	1	0.971	A BB	261752.	58.158 NG	0.92
16	146	476	7:09	1	0.994	A BV	276820.	59.319 NG	0.94
17	91	481	7:13	1	1.004	A BB	489764.	69.983 NG	1.11
18	146	480	7:12	1	1.002	A VB	252976.	60.476 NG	0.96
19	108	491	7:22	1	1.025	A BV	157483.	54.235 NG	0.86
20	146	497	7:27	1	1.038	A BB	270400.	57.346 NG	0.91
21	108	499	7:29	1	1.042	A VV	232152.	55.732 NG	0.89
22	45	503	7:33	1	1.050	A BB	721212.	56.597 NG	0.90
23	108	512	7:41	1	1.069	A VV	481658	28.767 NG	2.05
24	108	512	7:41	1	1.069	A VV	421652	28.767 NG	2.05
25	100	517	7:45	1	1.079	A BB	147484.	66.693 NG	1.06
26	116	518	7:46	1	1.081	A BB	69416.	62.262 NG	0.99
27	105	515	7:44	1	1.075	A BB	355160.	65.297 NG	1.04
28	70	516	7:45	1	1.077	A BV	263108.	57.057 NG	0.91
29	106	519	7:47	1	1.084	A BB	301836.	64.670 NG	1.03
30	117	522	7:50	1	1.090	A BB	164140.	62.158 NG	0.99
31	136	589	8:50	31	1.000	A BB	450028.	40.000 NG	0.64
32	77	531	7:58	31	0.902	A BV	364256.	61.708 NG	0.98
33	114	544	8:10	31	0.924	A BB	132384.	54.421 NO	0.87
34	82	549	8:14	31	0.932	A BB	691404.	56.568 NO	0.90
35	107	556	8:21	31	0.944	A BV	241448.	76.634 NG	1.22
36	139	557	8:21	31	0.946	A BB	124932.	68.319 NG	1.09
37	180	557	8:21	31	0.946	A BB	224772.	76.786 NG	1.22
38	125	560	8:24	31	0.951	A BB	402344.	60.826 NG	0.97
39	122	564	8:28	31	0.958	A VV	124299.	55.956 NG	0.89
40	93	566	8:30	31	0.961	A BB	367512.	64.158 NG	1.02
41	162	576	8:37	31	0.978	A BB	184748.	51.053 NG	0.81
42	180	584	8:46	31	0.992	A BB	241648.	57.451 NG	0.91
43	128	591	8:52	31	1.003	A BV	625692.	60.115 NO	0.96
44	127	596	8:57	31	1.012	A VB	251968.	59.969 NG	0.95
45	162	597	8:58	31	1.014	A BB	208056.	63.346 NG	1.01
46	108	589	8:50	31	1.000	A BB	66044.	163.800 NG	2.60
47	91	607	9:07	31	1.031	M XX	37372.	46.992 NG	0.75
48	213	600	9:00	31	1.019	A BB	148128.	57.197 NG	0.91
49	225	604	9:04	31	1.025	A BB	138816.	56.371 NG	0.90
50	180	607	9:07	31	1.031	A BB	223872.	58.198 NG	0.93
51	159	611	9:10	31	1.037	A BB	275932.	58.581 NG	0.93
52	84	624	9:22	31	1.059	A VV	142523.	57.487 NG	0.91
53	107	635	9:32	31	1.078	A BV	255420.	53.657 NG	0.85
54	108	635	9:32	31	1.078	M XX	21324.	13.800 NG	0.22
55	162	642	9:38	31	1.090	A BB	168568.	53.074 NG	0.84
56	108	642	9:38	31	1.090	M XX	3560.	6.023 NG	0.10

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT		XTOT
57	142	652	9:47	31	1.107	A BB	541032.	69.083	NG	1.10
58	142	662	9:56	31	1.124	A BB	306716.	61.074	NG	0.97
59	164	748	11:13	59	1.000	A BB	261620.	40.000	NG	0.64
60	216	669	10:02	59	0.894	A BB	408352. 20476	135.944	NG	2.16
61	216	669	10:02	59	0.894	A BB	408352. 20476	135.944	NG	2.16
62	237	670	10:03	59	0.896	A BB	86032.	59.291	NG	0.94
63	196	678	10:10	59	0.906	M XX	156040.	48.319	NG	0.77
64	196	681	10:13	59	0.910	M XX	150660.	63.636	NG	1.04
65	162	688	10:19	59	0.920	A BB	157136.	50.535	NG	0.80
66	162	696	10:27	59	0.930	A BV	413376.	57.254	NG	0.91
67	162	700	10:30	59	0.936	A VB	347232.	61.427	NG	0.98
68	216	697	10:28	59	0.932	A BB	204924.	63.837	NG	1.05
69	65	708	10:37	59	0.947	A BB	222744.	51.386	NG	0.82
70	158	713	10:42	59	0.953	A BB	152064.	120.225	NG	1.91
71	168	718	10:46	59	0.960	A BB	87408.	49.996	NG	0.79
72	163	724	10:52	59	0.968	A BB	501384.	56.743	NG	0.90
73	165	732	10:59	59	0.979	A BB	118924.	53.980	NG	0.86
74	152	735	11:02	59	0.983	A BB	590940.	54.042	NG	0.86
75	138	745	11:11	59	0.996	A BV	122676.	51.208	NG	0.81
76	153	751	11:16	59	1.004	A BB	381464.	60.102	NG	0.96
77	184	754	11:19	59	1.008	A BB	55948.	50.776	NO	0.81
78	109	756	11:21	59	1.011	A BV	84281.	66.948	NG	1.06
79	165	767	11:31	59	1.025	A BB	156172.	52.980	NG	0.84
80	168	765	11:29	59	1.023	A BB	534840.	57.468	NG	0.91
81	250	766	11:30	59	1.024	A BB	190464.	56.666	NG	0.90
82	143	774	11:37	59	1.035	A VV	271456.	38.889	NG	0.62
83	143	780	11:42	59	1.043	A VV	229134.	40.390	NG	0.64
84	232	779	11:41	59	1.041	A BB	106412.	49.927	NG	0.79
85	149	786	11:48	59	1.051	A BV	572156.	58.529	NG	0.93
86	97	793	11:56	59	1.063	A VV	176612.	69.843	NG	1.11
87	204	793	11:54	59	1.060	A BB	197372.	58.437	NG	0.93
88	166	796	11:57	59	1.064	A BV	443360.	62.317	NG	0.99
89	138	802	12:02	59	1.072	A VB	117528.	72.363	NG	1.15
90	152	800	12:00	59	1.070	A BV	151928.	53.453	NG	0.88
91	77	808	12:07	59	1.080	A VB	991032.	68.344	NG	1.09
92	188	882	13:14	92	1.000	A BB	409828.	40.000	NG	0.64
93	240	1125	16:53	93	1.000	A BB	322054.	40.000	NG	0.64
94	264	1318	19:47	94	1.000	A BV	217485.	40.000	NG	0.64
95	112	379	5:41	1	0.791	A BB	230228.	56.826	NG	0.90
96	99	449	6:44	1	0.937	A BV	280152.	59.455	NG	0.95
97	82	629	7:56	31	0.898	A BB	316144.	57.486	NG	0.91
98	172	685	10:17	59	0.916	A BB	440272.	60.599	NG	0.96
99	330	820	12:18	59	1.096	A BB	63564.	44.956	NG	0.71
100	212	1012	15:11	93	0.900	A BV	517074.	67.544	NG	1.07
101	244	1022	15:20	93	0.908	A VB	455827.	66.175	NG	1.05

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:08	1.01	10.000	0.06	52.47	160.00	0.431	1.315	0.33
3	4:05	1.02	10.000	0.06	42.60	160.00	0.398	1.493	0.27
4	4:36	1.01	10.000	0.06	55.40	160.00	0.468	1.350	0.35
5	4:36	1.01	10.000	0.06	60.22	160.00	0.093	0.247	0.38
6	4:59	1.01	20.000	0.03	52.98	160.00	0.473	1.430	0.33
7	5:11	1.01	10.000	0.07	211.00	640.00	0.118	0.359	0.33
8	5:32	1.01	10.000	0.08	55.19	160.00	0.342	0.992	0.34
9	5:58	1.01	10.000	0.08	54.00	160.00	0.243	0.719	0.34

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:20	1.00	10.000	0.09	51.20	160.00	0.236	0.737	0.32
11	6:44	1.00	10.000	0.09	58.69	160.00	0.558	1.520	0.37
12	6:50	1.00	10.000	0.10	52.28	160.00	0.710	2.174	0.33
13	6:49	1.00	10.000	0.10	63.99	160.00	0.183	0.457	0.40
14	6:52	1.00	20.000	0.05	59.82	160.00	0.581	1.555	0.37
15	6:57	1.00	10.000	0.10	58.16	160.00	0.478	1.314	0.36
16	7:08	1.00	10.000	0.10	59.32	160.00	0.505	1.363	0.37
17	7:12	1.00	10.000	0.10	69.98	160.00	0.894	2.044	0.44
18	7:11	1.00	10.000	0.10	60.48	160.00	0.462	1.222	0.38
19	7:21	1.00	10.000	0.10	54.23	160.00	0.287	0.848	0.34
20	7:26	1.00	10.000	0.10	57.35	160.00	0.494	1.377	0.36
21	7:29	1.00	10.000	0.10	59.73	160.00	0.424	1.217	0.35
22	7:32	1.00	10.000	0.11	56.60	160.00	1.316	3.722	0.35
23	7:41	1.00	10.000	0.11	128.77	320.00	0.394	0.979	0.40
24	7:41	1.00	10.000	0.11	128.77	320.00	0.394	0.979	0.40
25	7:46	1.00	10.000	0.11	66.69	160.00	0.269	0.646	0.42
26	7:46	1.00	10.000	0.11	62.26	160.00	0.127	0.326	0.39
27	7:44	1.00	10.000	0.11	65.30	160.00	0.648	1.589	0.41
28	7:45	1.00	10.000	0.11	57.06	160.00	0.480	1.347	0.36
29	7:46	1.00	10.000	0.11	64.67	160.00	0.551	1.363	0.40
30	7:49	1.00	10.000	0.11	62.16	160.00	0.300	0.771	0.39
31	8:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:58	1.00	10.000	0.09	61.71	160.00	0.202	0.525	0.39
33	8:11	1.00	10.000	0.09	54.42	160.00	0.074	0.216	0.34
34	8:14	1.00	10.000	0.09	56.57	160.00	0.384	1.086	0.35
35	8:21	1.00	10.000	0.09	76.63	160.00	0.134	0.280	0.48
36	8:21	1.00	10.000	0.09	68.32	160.00	0.069	0.163	0.43
37	8:21	1.00	10.000	0.09	76.79	160.00	0.125	0.260	0.48
38	8:24	1.00	10.000	0.10	60.83	160.00	0.224	0.588	0.38
39	8:29	1.00	10.000	0.01	55.96	160.00	0.069	0.197	0.35
40	8:30	1.00	10.000	0.10	64.16	160.00	0.204	0.509	0.40
41	8:39	1.00	10.000	0.10	51.05	160.00	0.103	0.322	0.32
42	8:46	1.00	10.000	0.10	57.45	160.00	0.134	0.374	0.36
43	8:52	1.00	10.000	0.10	60.11	160.00	0.348	0.923	0.38
44	8:58	1.00	10.000	0.10	59.97	160.00	0.140	0.373	0.37
45	8:58	1.00	20.000	0.05	63.35	160.00	0.116	0.292	0.40
46	8:50	1.00	10.000	0.10	163.80	160.00	0.037	0.036	1.02
47	9:18	0.98	10.000	0.10	46.99	160.00	0.021	0.071	0.29
48	9:00	1.00	10.000	0.10	57.20	160.00	0.082	0.230	0.36
49	9:04	1.00	10.000	0.10	56.37	160.00	0.077	0.219	0.33
50	9:07	1.00	10.000	0.10	58.20	160.00	0.124	0.342	0.36
51	9:10	1.00	20.000	0.05	58.58	160.00	0.153	0.419	0.37
52	9:23	1.00	10.000	0.11	57.49	160.00	0.079	0.220	0.36
53	9:33	1.00	10.000	0.11	53.66	160.00	0.142	0.423	0.34
54	9:33	1.00	10.000	0.11	13.80	160.00	0.012	0.137	0.09
55	9:39	1.00	10.000	0.11	53.09	160.00	0.094	0.262	0.33
56	9:42	0.99	10.000	0.11	6.02	160.00	0.002	0.053	0.04
57	9:47	1.00	10.000	0.11	69.08	160.00	0.301	0.696	0.43
58	9:56	1.00	10.000	0.11	61.07	160.00	0.170	0.446	0.38
59	11:14	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:02	1.00	10.000	0.09	135.94	320.00	0.195	0.459	0.42
61	10:02	1.00	10.000	0.09	135.94	320.00	0.195	0.459	0.42
62	10:03	1.00	10.000	0.09	59.29	160.00	0.082	0.222	0.37
63	10:10	1.00	20.000	0.05	48.32	160.00	0.149	0.494	0.30
64	10:14	1.00	20.000	0.05	65.64	160.00	0.144	0.351	0.41
65	10:20	1.00	20.000	0.05	50.53	160.00	0.150	0.475	0.32

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:27	1.00	10.000	0.09	57.25	160.00	0.395	1.104	0.36
67	10:30	1.00	10.000	0.09	61.43	160.00	0.332	0.864	0.38
68	10:28	1.00	10.000	0.09	65.84	160.00	0.176	0.476	0.41
69	10:38	1.00	10.000	0.09	51.39	160.00	0.213	0.663	0.32
70	10:42	1.00	20.000	0.05	120.23	160.00	0.145	0.193	0.75
71	10:47	1.00	20.000	0.05	50.00	160.00	0.084	0.267	0.31
72	10:52	1.00	10.000	0.10	56.74	160.00	0.479	1.351	0.35
73	11:00	1.00	10.000	0.10	53.98	160.00	0.114	0.337	0.34
74	11:02	1.00	10.000	0.10	54.04	160.00	0.565	1.672	0.34
75	11:12	1.00	20.000	0.05	51.21	160.00	0.117	0.366	0.32
76	11:17	1.00	10.000	0.10	60.10	160.00	0.365	0.970	0.38
77	11:20	1.00	40.000	0.03	90.79	160.00	0.053	0.168	0.32
78	11:22	1.00	10.000	0.10	66.93	160.00	0.081	0.192	0.42
79	11:31	1.00	10.000	0.10	52.98	160.00	0.149	0.451	0.33
80	11:30	1.00	10.000	0.10	57.47	160.00	0.511	1.423	0.36
81	11:31	1.00	10.000	0.10	56.67	160.00	0.182	0.514	0.35
82	11:37	1.00	20.000	0.05	38.88	160.00	0.259	1.067	0.24
83	11:43	1.00	20.000	0.05	40.39	160.00	0.219	0.867	0.25
84	11:41	1.00	20.000	0.05	49.93	160.00	0.102	0.326	0.31
85	11:49	1.00	10.000	0.11	58.53	160.00	0.547	1.495	0.37
86	11:57	1.00	10.000	0.11	69.84	160.00	0.169	0.387	0.44
87	11:55	1.00	10.000	0.11	58.44	160.00	0.189	0.516	0.37
88	11:58	1.00	10.000	0.11	62.32	160.00	0.424	1.088	0.39
89	12:03	1.00	20.000	0.05	72.36	160.00	0.112	0.248	0.45
90	12:01	1.00	20.000	0.05	55.46	160.00	0.145	0.419	0.35
91	12:08	1.00	10.000	0.11	68.34	160.00	0.947	2.218	0.43
92	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	19:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:39	1.01	0.742	1.07	56.83	160.00	0.420	1.183	0.36
96	6:43	1.00	0.948	0.99	59.45	160.00	0.511	1.376	0.37
97	7:56	1.00	0.875	1.03	57.49	160.00	0.176	0.489	0.36
98	10:17	1.00	0.906	1.01	60.60	160.00	0.421	1.111	0.38
99	12:19	1.00	1.118	0.98	44.96	160.00	0.061	0.216	0.28
100	15:13	1.00	10.000	0.09	67.54	160.00	0.401	0.951	0.42
101	15:22	1.00	0.907	1.00	66.17	160.00	0.354	0.856	0.41



QUANTITATION REPORT FILE: HK900505A06  
DATA: HK900505A06.TI  
05/05/90 6:36:00  
SAMPLE: 2 UL 31672-#2387 50 NG B270 VERSION 3 STD. (SSTD050)  
CONOS.:  
SUBMITTED BY: 06 ANALYST: B75

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

NO	NAME
1	*467 D10-PHENANTHRENE (I5#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHDATE (Z9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (I6#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORODANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-E>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 576 DIALATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	%TOT
1	188	882	13:14	1	1.000	A BB	409828.	40.000 NG	1.31
2	198	804	12:04	1	0.912	A BB	84088.	56.163 NG	1.84
3	169	805	12:05	1	0.913	A VV	612264	127.497 NG	4.19
4	169	805	12:05	1	0.913	A VV	612264	127.497 NG	4.19
5	213	833	12:30	1	0.944	A BB	62324.	51.151 NG	1.68
6	108	834	12:31	1	0.946	A BB	323852.	60.223 NG	1.98
7	248	838	12:35	1	0.950	A BB	121500.	52.264 NG	1.72
8	234	831	12:28	1	0.942	M XX	42872.	23.471 NG	0.77
9	125	853	12:48	1	0.967	A BB	90540.	67.973 NG	2.23
10	284	853	12:48	1	0.967	A BB	162464.	52.564 NG	1.73
11	169	863	12:57	1	0.978	A BV	319948.	47.510 NG	1.56
12	173	866	13:00	1	0.982	A VB	236132.	56.406 NG	1.85
13	266	868	13:02	1	0.984	A BV	100148.	46.013 NG	1.51
14	237	876	13:09	1	0.993	A VB	59692.	55.710 NG	1.83
15	178	884	13:16	1	1.002	A BV	606690.	49.719 NG	1.63
16	178	888	13:20	1	1.007	A VB	589361.	66.377 NG	2.18
17	149	930	13:57	1	1.054	A VB	984229.	61.100 NG	2.01
18	97	960	14:24	1	1.088	A VV	312106.	53.025 NG	1.74
19	211	982	14:44	1	1.113	A BV	44160.	305.346 NG	10.02
20	202	992	14:53	1	1.125	A VB	623403.	61.029 NG	2.00
21	240	1125	16:53	21	1.000	A BB	322054.	40.000 NG	1.31
22	184	1002	15:02	21	0.891	A BB	18208.	37.598 NG	1.23
23	202	1014	15:13	21	0.901	A VV	611601.	72.776 NG	2.39
24	185	1024	15:22	21	0.910	A VB	89961.	65.440 NG	2.15
25	225	1036	15:33	21	0.921	A BB	118080.	60.410 NG	1.98
26	139	1039	15:35	21	0.924	A VV	388785.	72.093 NG	2.37
27	212	1067	16:01	21	0.948	A BV	161135.	68.634 NG	2.25
28	149	1066	16:00	21	0.948	A VV	447059.	67.484 NG	2.22
29	181	1092	16:23	21	0.971	A BB	159268.	53.718 NG	1.76
30	231	1116	16:45	21	0.992	A BV	71680.	53.837 NG	1.77
31	252	1118	16:47	21	0.994	A BV	102492.	53.025 NG	1.74
32	244	1114	16:43	21	0.990	A BV	57192.	58.285 NG	1.91
33	149	1115	16:44	21	0.991	A BV	594436.	71.886 NG	2.36
34	228	1123	16:51	21	0.998	A VV	474712.	56.678 NG	1.86
35	228	1128	16:56	21	1.003	A VB	415670.	57.150 NG	1.88
36	264	1318	19:47	36	1.000	A BV	217485.	40.000 NG	1.31
37	149	1181	17:43	36	0.896	A BB	1026750.	64.199 NG	2.11
38	252	1256	18:51	36	0.953	A BB	564471	108.326 NG	3.56
39	256	1257	18:52	36	0.954	A BV	179792	49.365 NG	1.62
40	252	1256	18:51	36	0.953	A BB	564471	108.326 NG	3.56
41	252	1309	19:39	36	0.993	A BV	301788.	53.070 NG	1.74
42	268	1371	20:34	36	1.040	A BV	171732.	50.771 NG	1.67
43	279	1489	22:21	36	1.130	A BB	152044.	51.546 NG	1.69
44	276	1538	23:05	36	1.167	A BB	237388.	53.684 NG	1.76
45	278	1539	23:06	36	1.168	A BB	189048.	51.317 NG	1.68
46	276	1605	24:05	36	1.218	A BB	176816.	54.839 NG	1.87
47	234	840	12:36	1	0.952	A VB	56848.	8.440 NG	0.28

NO	RET (L)	RATIO	RRT (L)	RATIO	AMNT	AMNT (L)	R. FAC	R. FAC (L)	RATIO
1	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:05	1.00	30.000	0.03	56.16	160.00	0.051	0.146	0.35
3	12:06	1.00	10.000	0.09	127.50	320.01	0.187	0.469	0.40
4	12:06	1.00	10.000	0.09	127.50	320.01	0.187	0.469	0.40

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:32	1.00	20.000	0.05	51.15	160.00	0.038	0.119	0.32
6	12:33	1.00	10.000	0.09	60.22	160.00	0.198	0.525	0.38
7	12:35	1.00	10.000	0.10	52.26	160.00	0.074	0.227	0.30
8	12:29	1.00	10.000	0.09	23.47	80.00	0.052	0.178	0.29
9	12:49	1.00	10.000	0.10	67.97	160.00	0.055	0.130	0.42
10	12:48	1.00	10.000	0.10	52.56	160.00	0.099	0.302	0.33
11	12:58	1.00	10.000	0.10	47.51	160.00	0.195	0.657	0.30
12	13:01	1.00	10.000	0.10	56.41	160.00	0.144	0.409	0.35
13	13:02	1.00	20.000	0.05	46.01	160.00	0.061	0.212	0.29
14	13:09	1.00	10.000	0.10	55.71	160.00	0.036	0.105	0.35
15	13:17	1.00	10.000	0.10	49.72	160.00	0.370	1.191	0.31
16	13:20	1.00	10.000	0.10	66.38	160.00	0.360	0.867	0.41
17	13:57	1.00	10.000	0.11	61.10	160.00	0.600	1.572	0.38
18	14:25	1.00	20.000	0.05	53.02	160.00	0.190	0.574	0.33
19	14:46	1.00	50.000	0.02	305.35	640.00	0.007	0.014	0.48
20	14:55	1.00	10.000	0.11	61.03	160.00	0.380	0.997	0.38
21	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:03	1.00	10.000	0.09	37.60	160.00	0.014	0.060	0.23
23	15:15	1.00	10.000	0.09	72.78	160.00	0.475	1.044	0.45
24	15:24	1.00	20.000	0.05	65.44	160.00	0.070	0.171	0.41
25	15:35	1.00	10.000	0.09	60.41	160.00	0.092	0.243	0.38
26	15:36	1.00	10.000	0.09	72.09	160.00	0.302	0.670	0.45
27	16:02	1.00	20.000	0.05	68.63	160.00	0.125	0.292	0.43
28	16:02	1.00	10.000	0.09	67.48	160.00	0.347	0.823	0.42
29	16:26	1.00	10.000	0.10	53.72	160.00	0.124	0.368	0.34
30	16:48	1.00	10.000	0.10	53.84	160.00	0.056	0.165	0.34
31	16:49	1.00	10.000	0.10	53.03	160.00	0.080	0.240	0.33
32	16:46	1.00	10.000	0.10	58.28	160.00	0.044	0.122	0.36
33	16:47	1.00	10.000	0.10	71.89	160.00	0.461	1.027	0.45
34	16:54	1.00	10.000	0.10	56.68	160.00	0.369	1.040	0.35
35	16:58	1.00	10.000	0.10	57.15	160.00	0.323	0.903	0.36
36	17:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:47	1.00	10.000	0.09	64.20	160.00	1.180	2.941	0.40
38	18:56	1.00	10.000	0.10	108.33	320.00	0.324	0.958	0.34
39	18:56	1.00	10.000	0.10	49.37	160.00	0.207	0.670	0.31
40	18:56	1.00	10.000	0.10	108.33	320.00	0.324	0.958	0.34
41	19:44	1.00	10.000	0.10	53.07	160.00	0.347	1.046	0.33
42	20:42	0.99	10.000	0.10	50.77	160.00	0.197	0.622	0.32
43	22:30	0.99	10.000	0.11	51.55	160.00	0.175	0.543	0.32
44	23:16	0.99	10.000	0.12	53.68	160.00	0.273	0.813	0.34
45	23:16	0.99	10.000	0.12	51.32	160.00	0.217	0.678	0.32
46	24:16	0.99	10.000	0.12	56.84	160.00	0.203	0.572	0.36
47	12:36	1.00	10.000	0.10	8.44	28.00	0.222	0.657	0.34

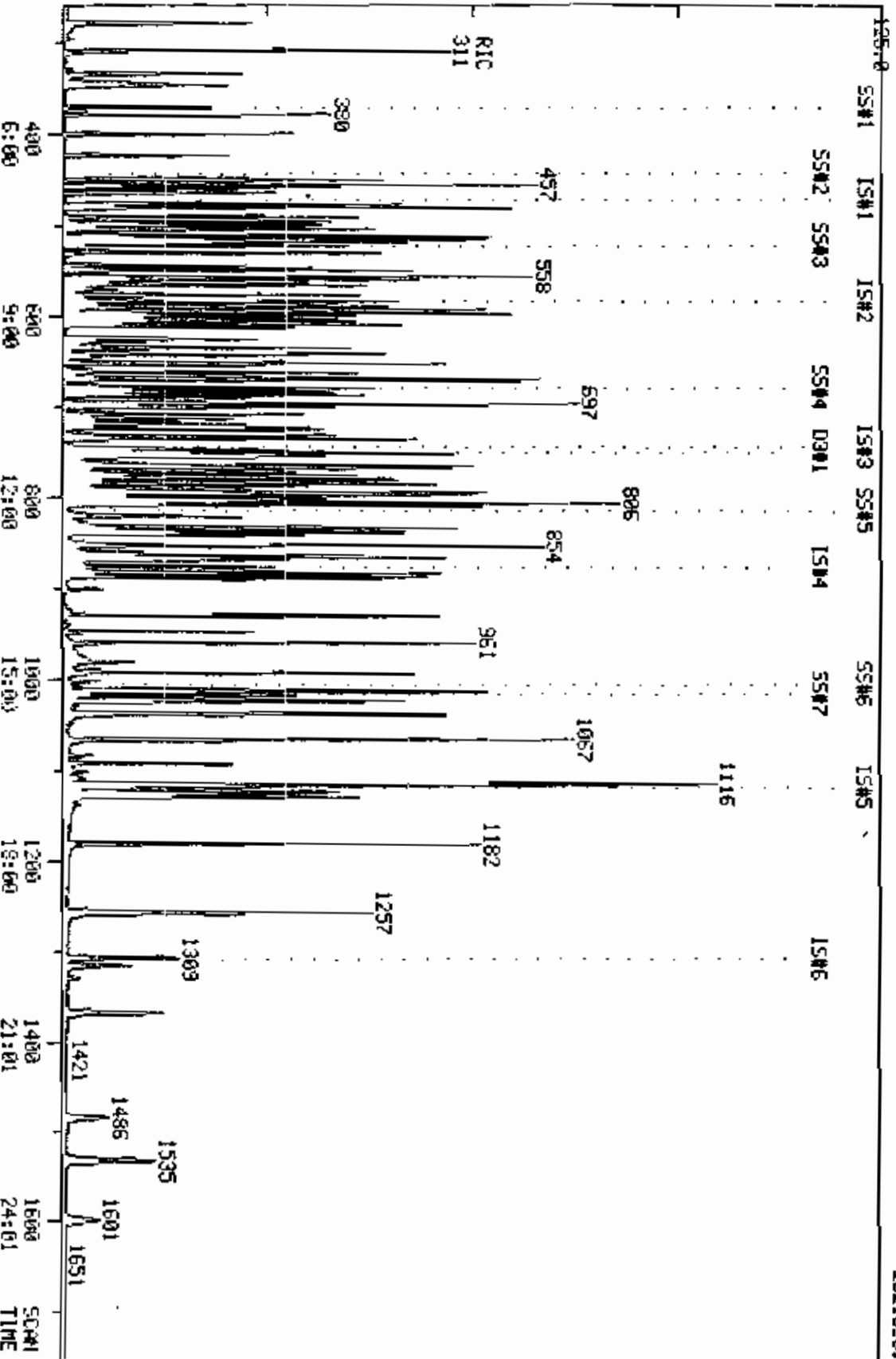
COMPUCHER LABS

COMPUCHER DATA: HJ900505005 SCANS 258 TO 1750

OUT OF 258 TO 1750

RIC  
05/05/90 5:46:00  
SAMPLE: 2 UL 31673-#2388 80 NG 0270 VERSION 05TD. (55TD0880)  
COND5.:

2521590.



QUANTITATION REPORT FILE: HJ900505A06  
DATA: HJ900505A06.TI  
05/05/90 5:46:00  
SAMPLE: 2 UL 31673-#2388 8D NG 8270 VERSION 3STD. (6STD080)  
CONDS.:  
SUBMITTED BY: 06 ANALYST: 875

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I5#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	481 PYRIDINE (I9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	479 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <37638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I8#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE (T2#3)
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLORDANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (IS#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (P3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#13) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-6>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	6608 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <122-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	453 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINDPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#1E) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (IS#4)
93	*459 D12-CHRYSENE (IS#5)
94	*497 D12-PERYLENE
95	*619 2-FLUOROPHENOL (SS#1)
96	*612 D5-PHENOL (SS#2)
97	*447 D5-NITROBENZENE (SS#3)
98	*448 2-FLUOROBIPHENYL (SS#4)
99	*628 2,4,6-TRIBROMOPHENOL (SS#5)
100	*471 D10-PYRENE (SS#6)
101	*496 D14-TERPHENYL (SS#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
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NO	H/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	480	7:12	1	1.000	A BB	116660.	40.000 NG	0.42
2	42	280	4:12	1	0.583	A BB	317432.	82.769 NG	0.86
3	79	278	4:10	1	0.577	A BB	320868.	73.670 NG	0.77
4	69	311	4:40	1	0.648	A BB	339580.	86.230 NG	0.90
5	89	311	4:40	1	0.648	A BB	63128.	87.675 NG	0.92
6	93	336	5:03	1	0.700	A BB	347788.	83.416 NG	0.87
7	88	349	5:14	1	0.727	A BB	362244.	345.687 NG	3.61
8	80	373	5:36	1	0.777	A BB	264352.	91.391 NG	0.96
9	102	401	6:01	1	0.835	A BB	173472.	82.723 NG	0.86
10	109	424	6:22	1	0.883	A BB	171988.	79.962 NG	0.84
11	94	451	6:46	1	0.940	A BV	392088.	88.448 NG	0.92
12	93	✓457	6:51	1	0.952	M XX	544196.	85.838 NG	0.90
13	167	457	6:51	1	0.952	A BB	119872.	89.877 NG	0.94
14	93	✓460	6:54	1	0.958	M XX	402816.	88.833 NG	0.93
15	128	465	6:59	1	0.969	A BB	338400.	88.269 NG	0.92
16	146	✓477	7:09	1	0.994	A BV	349924.	88.030 NG	0.92
17	91	482	7:14	1	1.004	A BB	598604.	100.416 NG	1.05
18	146	✓481	7:13	1	1.002	A VB	326120.	91.525 NG	0.96
19	108	✓492	7:23	1	1.025	A BV	202600.	81.911 NG	0.86
20	146	✓497	7:27	1	1.035	A BB	343264.	85.464 NG	0.89
21	108	✓500	7:30	1	1.042	A VV	306167.	86.289 NG	0.90
22	45	504	7:34	1	1.050	A BV	959668.	88.412 NG	0.92
23	108	513	7:42	1	1.069	A VV	687152	188.817 NG	1.97
24	108	513	7:42	1	1.069	A VV	687152	188.817 NG	1.97
25	100	518	7:46	1	1.079	A BB	177740.	94.358 NG	0.99
26	116	519	7:47	1	1.081	A BB	85260.	89.778 NG	0.94
27	105	516	7:45	1	1.075	A BB	437000.	94.322 NG	0.99
28	70	517	7:45	1	1.077	A BV	331892.	84.495 NG	0.88
29	106	520	7:48	1	1.083	A BB	381120.	95.863 NG	1.00
30	117	523	7:51	1	1.090	A BB	210428.	93.551 NG	0.98
31	136	590	8:51	31	1.000	A BV	380352.	40.000 NG	0.42
32	77	532	7:59	31	0.902	A BV	465552.	93.317 NG	0.98
33	114	545	8:11	31	0.924	A BB	175812.	85.514 NG	0.89
34	82	✓550	8:15	31	0.932	A BV	930680.	90.093 NG	0.94
35	107	557	8:21	31	0.944	A BV	292156.	109.716 NG	1.15
36	139	558	8:22	31	0.946	A BB	132124.	98.428 NG	1.03
37	180	558	8:22	31	0.946	A BB	269392.	108.888 NG	1.14
38	125	561	8:25	31	0.951	A BB	539744.	96.546 NG	1.01
39	122	565	8:29	31	0.958	A VV	161946.	86.259 NG	0.90
40	93	567	8:31	31	0.961	A BV	462264.	95.482 NG	1.00
41	162	577	8:40	31	0.978	A BV	250608.	81.939 NG	0.86
42	180	585	8:47	31	0.992	A BB	304688.	85.708 NG	0.90
43	128	592	8:53	31	1.003	A BV	826896.	93.999 NG	0.98
44	127	597	8:58	31	1.012	A VB	357732.	100.738 NG	1.05
45	162	598	8:58	31	1.014	A BB	262880.	94.700 NG	0.99
46	108	590	8:51	31	1.000	A VB	57488.	168.699 NG	1.76
47	91	610	9:09	31	1.034	M XX	35840.	53.322 NG	0.56
48	213	601	9:01	31	1.019	A BB	199484.	91.138 NG	0.95
49	225	604	9:04	31	1.024	A BB	180632.	86.789 NG	0.91
50	180	607	9:07	31	1.029	A BB	288352.	88.692 NG	0.93
51	159	612	9:11	31	1.037	A BB	360476.	90.549 NG	0.95
52	84	625	9:23	31	1.059	A BV	187336.	89.405 NG	0.93
53	107	✓636	9:33	31	1.078	A VV	345465.	85.867 NG	0.90
54	108	✓636	9:33	31	1.078	M XX	100620.	77.044 NG	0.81
55	162	✓643	9:39	31	1.090	A BB	218548.	81.447 NG	0.85
56	108	✓647	9:43	31	1.097	M XX	88872.	177.898 NG	1.86

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	%TOT
57	142	653	9:48	31	1.107	A VB	693800.	104.819 NG	1.10
58	142	663	9:57	31	1.124	A BB	398260.	93.829 NG	0.98
59	164	749	11:14	59	1.000	A BB	222236.	40.000 NG	0.42
60	216	670	10:03	59	0.895	A BB	490480 <sup>24534</sup>	192.300 NG	2.01
61	216	670	10:03	59	0.895	A BB	490480 <sup>24534</sup>	192.300 NG	2.01
62	237	671	10:04	59	0.896	A BB	135500.	109.932 NG	1.15
63	196	679	10:11	59	0.907	M XX	226996.	82.747 NG	0.86
64	196	682	10:14	59	0.911	M XX	183824.	94.276 NG	0.99
65	162	689	10:20	59	0.920	A VB	204636.	77.473 NG	0.81
66	162	697	10:28	59	0.931	M XX	597132.	97.362 NG	1.02
67	162	700	10:30	59	0.935	M XX	436744.	90.954 NG	0.95
68	216	697	10:28	59	0.931	A BB	254556.	96.275 NG	1.01
69	65	709	10:38	59	0.947	A BV	312508.	84.870 NG	0.89
70	158	714	10:43	59	0.953	A BB	147108.	136.918 NG	1.43
71	168	719	10:47	59	0.960	A BB	112908.	76.026 NG	0.79
72	163	724	10:52	59	0.967	A BB	645456.	85.993 NG	0.90
73	165	733	11:00	59	0.979	A VB	155108.	82.881 NG	0.87
74	152	736	11:03	59	0.983	A BB	773112.	83.231 NG	0.87
75	138	746	11:12	59	0.996	A BV	167788.	82.451 NG	0.86
76	153	752	11:17	59	1.004	A BB	492656.	91.377 NG	0.95
77	164	755	11:20	59	1.008	A BB	69532.	74.288 NG	0.78
78	109	757	11:22	59	1.011	A VV	101769.	95.165 NG	0.99
79	165	769	11:32	59	1.027	A BB	202276.	80.782 NG	0.84
80	168	766	11:30	59	1.023	A BB	681420.	86.193 NG	0.90
81	250	767	11:31	59	1.024	A BB	249292.	87.312 NG	0.91
82	143	775	11:38	59	1.035	A BV	595486.	100.418 NG	1.05
83	143	781	11:43	59	1.043	A VB	431510.	89.543 NG	0.94
84	232	780	11:42	59	1.041	A BV	138348.	76.414 NG	0.80
85	149	787	11:49	59	1.051	A BV	722565.	87.014 NG	0.91
86	97	796	11:57	59	1.063	A VB	218080.	101.525 NG	1.06
87	204	794	11:55	59	1.060	A VB	251476.	87.651 NG	0.92
88	166	797	11:58	59	1.064	A BV	561027.	92.830 NG	0.97
89	138	803	12:03	59	1.072	A VB	133496.	96.761 NG	1.01
90	152	801	12:01	59	1.069	A BV	177532.	76.285 NG	0.80
91	77	809	12:08	59	1.080	A VB	1161010.	94.226 NG	0.98
92	188	883	13:15	92	1.000	A BB	335996.	40.000 NG	0.42
93	240	1126	16:54	93	1.000	A VV	267632.	40.000 NG	0.42
94	264	1317	19:46	94	1.000	A BV	172056.	40.000 NG	0.42
95	112	380	5:42	1	0.792	A BB	294420.	85.312 NG	0.89
96	99	450	6:45	1	0.937	A BV	349972.	87.193 NG	0.91
97	82	530	7:57	31	0.898	A BB	420788.	90.530 NG	0.95
98	172	685	10:17	59	0.915	A BB	547896.	88.777 NG	0.93
99	330	821	12:19	59	1.096	A BB	87900.	73.186 NG	0.76
100	212	1013	15:12	93	0.900	A BV	641745.	100.876 NG	1.05
101	244	1024	15:22	93	0.909	A BV	580815.	101.466 NG	1.06

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:08	1.02	10.000	0.06	82.77	160.00	0.680	1.315	0.52
3	4:05	1.02	10.000	0.06	73.67	160.00	0.688	1.493	0.46
4	4:36	1.02	10.000	0.06	86.23	160.00	0.728	1.350	0.54
5	4:36	1.02	10.000	0.06	87.67	160.00	0.135	0.247	0.55
6	4:59	1.01	20.000	0.03	83.42	160.00	0.745	1.430	0.52
7	5:11	1.01	10.000	0.07	345.69	640.00	0.194	0.359	0.54
8	5:32	1.01	10.000	0.08	91.39	160.00	0.567	0.992	0.57
9	5:58	1.01	10.000	0.08	82.72	160.00	0.372	0.719	0.52



NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:20	1.00	10.000	0.09	79.96	160.00	0.369	0.737	0.50
11	6:44	1.00	10.000	0.09	88.45	160.00	0.840	1.520	0.55
12	6:50	1.00	10.000	0.10	85.84	160.00	1.166	2.174	0.54
13	6:49	1.01	10.000	0.10	89.88	160.00	0.257	0.457	0.56
14	6:52	1.00	20.000	0.05	88.83	160.00	0.863	1.555	0.56
15	6:57	1.00	10.000	0.10	88.27	160.00	0.725	1.314	0.55
16	7:08	1.00	10.000	0.10	88.03	160.00	0.750	1.363	0.55
17	7:12	1.00	10.000	0.10	100.42	160.00	1.283	2.044	0.63
18	7:11	1.00	10.000	0.10	91.52	160.00	0.699	1.222	0.57
19	7:21	1.00	10.000	0.10	81.91	160.00	0.434	0.848	0.51
20	7:26	1.00	10.000	0.10	85.46	160.00	0.736	1.377	0.53
21	7:29	1.00	10.000	0.10	86.29	160.00	0.656	1.217	0.54
22	7:32	1.00	10.000	0.10	88.41	160.00	2.057	3.722	0.55
23	7:41	1.00	10.000	0.11	188.82	320.00	0.578	0.979	0.59
24	7:41	1.00	10.000	0.11	188.82	320.00	0.578	0.979	0.59
25	7:46	1.00	10.000	0.11	94.36	160.00	0.381	0.646	0.59
26	7:46	1.00	10.000	0.11	89.78	160.00	0.183	0.326	0.56
27	7:44	1.00	10.000	0.11	94.32	160.00	0.936	1.589	0.59
28	7:45	1.00	10.000	0.11	84.49	160.00	0.711	1.347	0.53
29	7:46	1.00	10.000	0.11	95.86	160.00	0.817	1.363	0.60
30	7:49	1.00	10.000	0.11	73.55	160.00	0.451	0.771	0.58
31	8:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:58	1.00	10.000	0.09	93.32	160.00	0.306	0.525	0.58
33	8:11	1.00	10.000	0.09	85.51	160.00	0.116	0.216	0.53
34	8:14	1.00	10.000	0.09	90.09	160.00	0.612	1.086	0.56
35	8:21	1.00	10.000	0.09	109.72	160.00	0.192	0.280	0.69
36	8:21	1.00	10.000	0.09	98.43	160.00	0.100	0.163	0.62
37	8:21	1.00	10.000	0.09	108.89	160.00	0.177	0.260	0.68
38	8:24	1.00	10.000	0.10	96.55	160.00	0.355	0.588	0.60
39	8:29	1.00	10.000	0.01	86.26	160.00	0.106	0.197	0.54
40	8:30	1.00	10.000	0.10	95.48	160.00	0.304	0.509	0.60
41	8:39	1.00	10.000	0.10	81.94	160.00	0.165	0.322	0.51
42	8:46	1.00	10.000	0.10	85.71	160.00	0.200	0.374	0.54
43	8:52	1.00	10.000	0.10	94.00	160.00	0.544	0.925	0.59
44	8:58	1.00	10.000	0.10	100.74	160.00	0.235	0.373	0.63
45	8:58	1.00	20.000	0.05	94.70	160.00	0.173	0.292	0.59
46	8:50	1.00	10.000	0.10	168.70	160.00	0.038	0.036	1.05
47	9:18	0.98	10.000	0.10	53.32	160.00	0.024	0.071	0.33
48	9:00	1.00	10.000	0.10	91.14	160.00	0.131	0.230	0.57
49	9:04	1.00	10.000	0.10	86.79	160.00	0.119	0.219	0.54
50	9:07	1.00	10.000	0.10	88.69	160.00	0.170	0.342	0.55
51	9:10	1.00	20.000	0.05	90.55	160.00	0.237	0.419	0.57
52	9:23	1.00	10.000	0.11	89.40	160.00	0.123	0.220	0.56
53	9:33	1.00	10.000	0.11	85.87	160.00	0.227	0.423	0.54
54	9:33	1.00	10.000	0.11	77.04	160.00	0.066	0.137	0.48
55	9:39	1.00	10.000	0.11	81.45	160.00	0.144	0.282	0.51
56	9:42	1.00	10.000	0.11	177.90	160.00	0.058	0.053	1.11
57	9:47	1.00	10.000	0.11	104.82	160.00	0.456	0.696	0.66
58	9:56	1.00	10.000	0.11	93.83	160.00	0.262	0.446	0.59
59	11:14	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:02	1.00	10.000	0.09	192.30	320.00	0.276	0.459	0.60
61	10:02	1.00	10.000	0.09	192.30	320.00	0.276	0.459	0.60
62	10:03	1.00	10.000	0.09	109.93	160.00	0.152	0.222	0.69
63	10:10	1.00	20.000	0.05	82.75	160.00	0.255	0.494	0.52
64	10:14	1.00	20.000	0.05	94.28	160.00	0.207	0.351	0.59
65	10:20	1.00	20.000	0.05	77.47	160.00	0.230	0.475	0.48

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:27	1.00	10.000	0.09	97.36	160.00	0.672	1.104	0.61
67	10:30	1.00	10.000	0.09	90.95	160.00	0.491	0.864	0.57
68	10:28	1.00	10.000	0.09	96.28	160.00	0.286	0.476	0.60
69	10:38	1.00	10.000	0.09	84.87	160.00	0.352	0.663	0.53
70	10:42	1.00	20.000	0.05	136.92	160.00	0.165	0.193	0.86
71	10:47	1.00	20.000	0.05	76.03	160.00	0.127	0.267	0.48
72	10:52	1.00	10.000	0.10	83.99	160.00	0.726	1.351	0.54
73	11:00	1.00	10.000	0.10	82.88	160.00	0.174	0.337	0.52
74	11:02	1.00	10.000	0.10	83.23	160.00	0.870	1.672	0.52
75	11:12	1.00	20.000	0.05	82.49	160.00	0.189	0.366	0.52
76	11:17	1.00	10.000	0.10	91.38	160.00	0.554	0.970	0.57
77	11:20	1.00	40.000	0.03	74.29	160.00	0.078	0.168	0.46
78	11:22	1.00	10.000	0.10	95.17	160.00	0.114	0.192	0.59
79	11:31	1.00	10.000	0.10	80.78	160.00	0.228	0.451	0.50
80	11:30	1.00	10.000	0.10	86.19	160.00	0.767	1.423	0.54
81	11:31	1.00	10.000	0.10	87.31	160.00	0.280	0.514	0.55
82	11:37	1.00	20.000	0.05	100.42	160.00	0.670	1.067	0.63
83	11:43	1.00	20.000	0.05	89.54	160.00	0.485	0.867	0.56
84	11:41	1.00	20.000	0.05	76.41	160.00	0.156	0.326	0.48
85	11:49	1.00	10.000	0.11	87.01	160.00	0.813	1.495	0.54
86	11:57	1.00	10.000	0.11	101.53	160.00	0.245	0.387	0.63
87	11:55	1.00	10.000	0.11	87.65	160.00	0.283	0.516	0.55
88	11:58	1.00	10.000	0.11	92.83	160.00	0.631	1.088	0.58
89	12:03	1.00	20.000	0.05	96.76	160.00	0.150	0.248	0.60
90	12:01	1.00	20.000	0.05	76.28	160.00	0.200	0.419	0.48
91	12:08	1.00	10.000	0.11	94.23	160.00	1.306	2.218	0.59
92	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	19:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:39	1.01	0.742	1.07	85.31	160.00	0.631	1.183	0.53
96	6:43	1.00	0.948	0.99	87.19	160.00	0.750	1.376	0.54
97	7:56	1.00	0.875	1.03	90.53	160.00	0.277	0.489	0.57
98	10:17	1.00	0.906	1.01	88.78	160.00	0.616	1.111	0.55
99	12:19	1.00	1.118	0.98	73.19	160.00	0.099	0.216	0.46
100	15:13	1.00	10.000	0.09	100.88	160.00	0.599	0.951	0.63
101	15:22	1.00	0.907	1.00	101.47	160.00	0.543	0.856	0.63

QUANTITATION REPORT FILE: HJ900505A06  
DATA: HJ900505A06.TI  
05/05/90 5:46:00  
SAMPLE: 2 UL 31673-#2368 8D NG B270 VERSION 3STD. (SSTD080)  
CONDS.:  
SUBMITTED BY: 06 ANALYST: B75

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

NO	NAME
1	*467 D10-PHENANTHRENE (I8#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AHINOBIIPHENYL (Z9#45)
12	522 PRONAHIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <54-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAHIDE (Z9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (IS#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	459 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-98-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HEIGHT)	AMOUNT	%TOT
1	188	883	13:15	1	1.000	A BB	335996.	40.000 NG	0.85
2	198	805	12:05	1	0.912	A BB	107104.	87.255 NG	1.86
3	169	806	12:06	1	0.913	A VB	772070. <sup>36.05</sup>	195.771 NG	4.18
4	169	806	12:06	1	0.913	A VB	772070. <sup>36.05</sup>	195.771 NG	4.18
5	213	834	12:31	1	0.945	A BB	72248.	72.326 NG	1.54
6	108	835	12:32	1	0.946	A VB	367081.	83.262 NG	1.78
7	248	839	12:35	1	0.950	A BB	160320.	84.116 NG	1.80
8	234	832	12:29	1	0.942	M XX	58964.	39.375 NG	0.84
9	125	854	12:49	1	0.967	A VB	118048.	108.099 NG	2.31
10	284	854	12:49	1	0.967	A BB	212512.	83.865 NG	1.79
11	169	864	12:58	1	0.978	A BV	486272.	88.075 NG	1.88
12	173	867	13:01	1	0.982	A BB	305051.	88.881 NG	1.90
13	266	869	13:02	1	0.984	A VB	134282.	75.253 NG	1.61
14	237	877	13:10	1	0.993	A VB	74940.	85.309 NG	1.82
15	178	885	13:17	1	1.002	A BV	845102.	84.476 NG	1.80
16	178	889	13:20	1	1.007	A VB	667477.	91.694 NG	1.96
17	149	930	13:57	1	1.053	A BB	1222730.	92.587 NG	1.98
18	97	961	14:25	1	1.088	A VV	384074.	79.590 NG	1.70
19	211	983	14:45	1	1.113	A BV	49408.	416.705 NG	8.89
20	202	994	14:55	1	1.126	A VB	767408.	91.636 NG	1.96
21	240	1126	16:54	21	1.000	A VV	267632.	40.000 NG	0.85
22	184	1003	15:03	21	0.891	A BB	51856.	128.853 NG	2.75
23	202	1015	15:14	21	0.901	A VV	749053.	107.256 NG	2.29
24	185	1025	15:23	21	0.910	A VB	113456.	99.314 NG	2.12
25	225	1037	15:34	21	0.921	A BB	144684.	89.073 NG	1.90
26	139	1040	15:36	21	0.924	A VV	483340.	107.852 NG	2.30
27	212	1068	16:02	21	0.948	A BV	217933.	111.702 NG	2.38
28	149	1067	16:01	21	0.948	A BB	550730.	100.039 NG	2.14
29	181	1094	16:25	21	0.972	A VV	206209.	83.694 NG	1.79
30	231	1118	16:47	21	0.993	A BV	90144.	81.472 NG	1.74
31	252	1119	16:48	21	0.994	A BB	123660.	76.986 NG	1.64
32	244	1115	16:44	21	0.990	A BV	92860.	113.877 NG	2.43
33	149	1116	16:45	21	0.991	A VV	714618.	103.994 NG	2.22
34	228	1124	16:52	21	0.998	A BV	592288.	85.096 NG	1.82
35	228	1129	16:57	21	1.003	A VB	543718.	89.957 NG	1.92
36	264	1317	19:46	36	1.000	A BV	172056.	40.000 NG	0.85
37	149	1182	17:44	36	0.897	A BV	1277390.	100.957 NG	2.15
38	252	1257	18:52	36	0.954	A BB	718315.3 <sup>36.05</sup>	174.247 NG	3.72
39	256	1257	18:52	36	0.954	A BV	233544.	87.996 NG	1.88
40	252	1257	18:52	36	0.954	A BB	718315.3 <sup>36.05</sup>	74.247 NG	3.72
41	252	1309	19:39	36	0.994	A BV	372823.	82.872 NG	1.77
42	268	1369	20:33	36	1.039	A BV	213996.	79.970 NG	1.71
43	279	1486	22:18	36	1.128	A BV	187356.	80.289 NG	1.71
44	276	1535	23:02	36	1.166	A VB	289516.	82.760 NG	1.77
45	278	1535	23:02	36	1.166	A BV	234772.	80.555 NG	1.72
46	276	1601	24:01	36	1.216	A BB	208305.	84.641 NG	1.81
47	234	841	12:37	1	0.952	A VB	72284.	13.090 NG	0.28

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:05	1.00	30.000	0.03	87.25	160.00	0.080	0.146	0.55
3	12:06	1.00	10.000	0.09	195.77	320.01	0.287	0.469	0.61
4	12:06	1.00	10.000	0.09	195.77	320.01	0.287	0.469	0.61

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:32	1.00	20.000	0.05	72.33	160.00	0.054	0.119	0.45
6	12:33	1.00	10.000	0.09	83.26	160.00	0.273	0.525	0.52
7	12:35	1.00	10.000	0.10	84.12	160.00	0.119	0.227	0.53
8	12:29	1.00	10.000	0.09	39.37	80.00	0.088	0.178	0.49
9	12:49	1.00	10.000	0.10	108.10	160.00	0.088	0.130	0.68
10	12:48	1.00	10.000	0.10	83.87	160.00	0.158	0.302	0.52
11	12:58	1.00	10.000	0.10	88.08	160.00	0.362	0.657	0.55
12	13:01	1.00	10.000	0.10	88.88	160.00	0.227	0.409	0.56
13	13:02	1.00	20.000	0.05	75.25	160.00	0.100	0.212	0.47
14	13:09	1.00	10.000	0.10	85.31	160.00	0.056	0.105	0.53
15	13:17	1.00	10.000	0.10	84.48	160.00	0.629	1.191	0.53
16	13:20	1.00	10.000	0.10	91.69	160.00	0.497	0.867	0.57
17	13:57	1.00	10.000	0.11	92.59	160.00	0.910	1.572	0.58
18	14:25	1.00	20.000	0.05	79.59	160.00	0.286	0.574	0.50
19	14:46	1.00	50.000	0.02	416.70	640.00	0.009	0.014	0.65
20	14:55	1.00	10.000	0.11	91.64	160.00	0.571	0.997	0.57
21	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:03	1.00	10.000	0.09	128.85	160.00	0.048	0.060	0.81
23	15:15	1.00	10.000	0.09	107.26	160.00	0.700	1.044	0.67
24	15:24	1.00	20.000	0.05	99.31	160.00	0.106	0.171	0.62
25	15:35	1.00	10.000	0.09	89.07	160.00	0.135	0.243	0.56
26	15:36	1.00	10.000	0.09	107.85	160.00	0.451	0.670	0.67
27	16:02	1.00	20.000	0.05	111.70	160.00	0.204	0.292	0.70
28	16:02	1.00	10.000	0.09	100.04	160.00	0.514	0.823	0.63
29	16:26	1.00	10.000	0.10	83.69	160.00	0.193	0.368	0.52
30	16:48	1.00	10.000	0.10	81.47	160.00	0.084	0.165	0.51
31	16:49	1.00	10.000	0.10	76.99	160.00	0.116	0.240	0.48
32	16:46	1.00	10.000	0.10	113.88	160.00	0.087	0.122	0.71
33	16:47	1.00	10.000	0.10	103.99	160.00	0.668	1.027	0.65
34	16:54	1.00	10.000	0.10	85.10	160.00	0.553	1.040	0.53
35	16:58	1.00	10.000	0.10	89.96	160.00	0.508	0.903	0.56
36	17:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:47	1.00	10.000	0.09	100.96	160.00	1.856	2.941	0.63
38	18:56	1.00	10.000	0.10	174.25	320.00	0.522	0.958	0.54
39	18:56	1.00	10.000	0.10	88.00	160.00	0.368	0.670	0.55
40	18:56	1.00	10.000	0.10	174.25	320.00	0.522	0.958	0.54
41	19:44	1.00	10.000	0.10	82.87	160.00	0.542	1.046	0.52
42	20:42	0.99	10.000	0.10	79.97	160.00	0.311	0.622	0.50
43	22:30	0.99	10.000	0.11	80.29	160.00	0.272	0.543	0.50
44	23:16	0.99	10.000	0.12	82.76	160.00	0.421	0.813	0.52
45	23:16	0.99	10.000	0.12	80.56	160.00	0.341	0.678	0.50
46	24:16	0.99	10.000	0.12	84.64	160.00	0.303	0.572	0.53
47	12:36	1.00	10.000	0.10	13.09	25.00	0.344	0.657	0.52

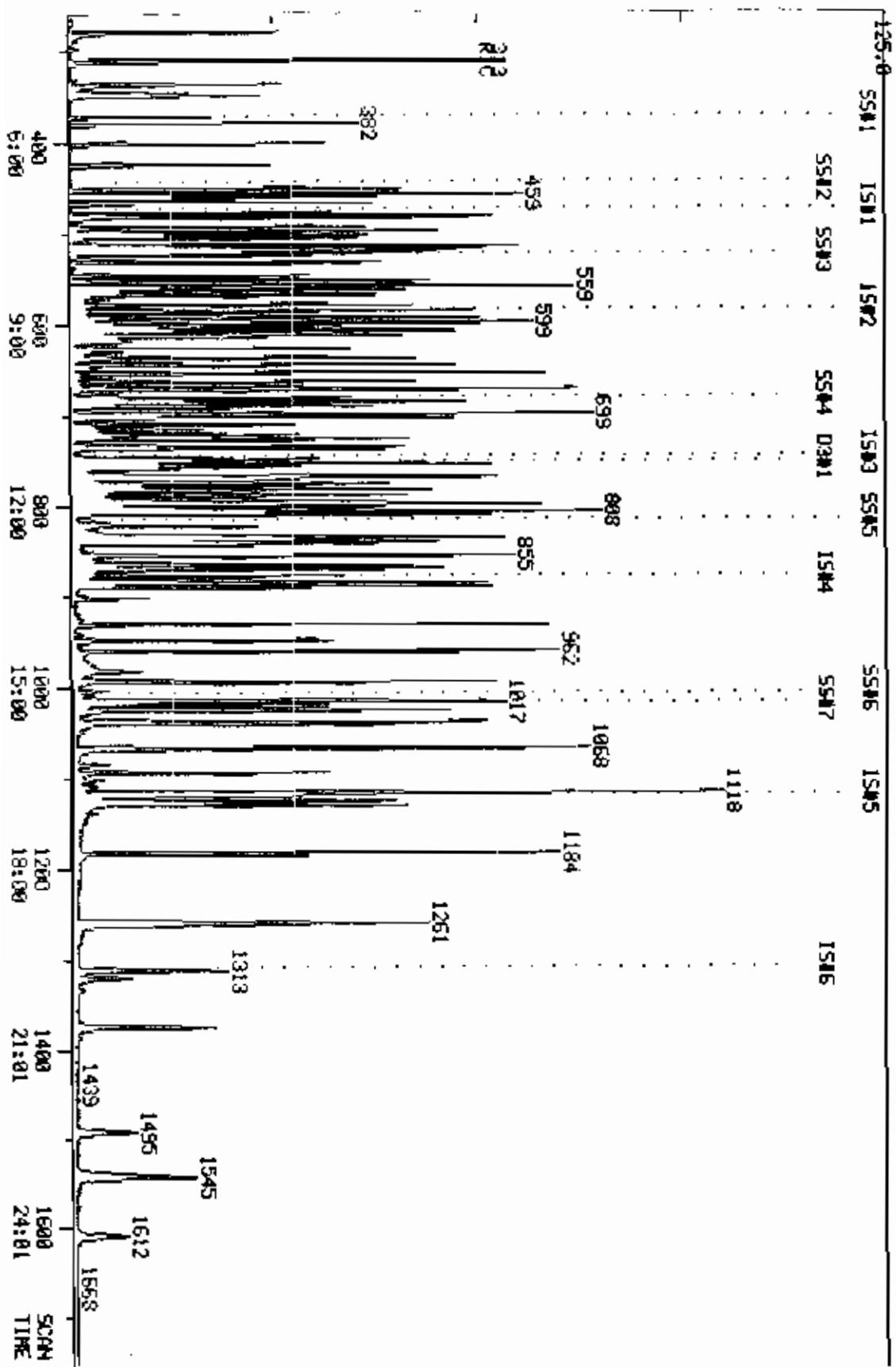
COMPUCHEN LABS

COMPUCHEN DATA: HIS90050606 SCANS 258 TO 1750

OUT OF 258 TO 1750

RIC  
05/05/90 4:43:00  
SAMPLE: 2 UL 31674-#2389 120 MG 8270 VERSION 3 STD. (S5T0120)  
COND5.:

2918390.



QUANTITATION REPORT FILE: HI900505A06  
DATA: HI900505A06.T1  
05/05/90 4:43.00  
SAMPLE: 2 UL 31674-#2389 120 NG 8270 VERSION 3 STD. (SSTD120)  
CONDS.:  
SUBMITTED BY: 06 ANALYST: 875

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	421 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#36)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	540 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLORODISOPROPYL)ETHER (Q1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE (T2#3)
34	438 ISOPHORDNE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <98-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLORODETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLOROANILINE (Q2#10) <106-47-9>
45	621 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	915 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 O10-ACENAPHTHENE (I6#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
65	527 160SAFROLS (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#26) <634-66-2>
69	478 2-NITROANILINE (G3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
73	A28 2,6-DINITROTOLUENE (G3#15) <606-20-2>
74	402 ACENAPHTHYLENE (G3#8) <208-96-8>
75	479 3-NITROANILINE (G3#9) <99-09-2>
76	401 ACENAPHTHENE (G3#10) <83-32-9>
77	8605 2,4-DINITROPHENOL (G3#11) <81-26-4>
78	607 4-NITROPHENOL (G3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
80	476 DIDENZO FURAN (G3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
88	432 FLUORENE (G3#18) <86-73-7>
89	480 4-NITROANILINE (G3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (I6#4)
93	*459 D12-CHRYSENE (I6#5)
94	*497 D12-PERYLENE
95	*619 2-FLUOROPHENOL (SS#1)
96	*612 D5-PHENOL (SS#2)
97	*447 D5-NITROBENZENE (SS#3)
98	*446 2-FLUOROBIPHENYL (SS#4)
99	*626 2,4,6-TRIBROMOPHENOL (SS#5)
100	*471 D10-PYRENE (SS#6)
101	*496 D14-TERPHENYL (SS#7)

NO	M/E	ECAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	481	7:13	1	1.000	A BB	104768.	40.000 NG	0.31
2	42	282	4:14	1	0.586	A BV	401948.	116.702 NG	0.90
3	79	280	4:12	1	0.582	A BB	409808.	104.770 NG	0.81
4	69	313	4:42	1	0.651	A BB	444912.	125.801 NG	0.97
5	69	313	4:42	1	0.651	A BB	86456.	133.703 NG	1.03
6	93	338	5:04	1	0.703	A BB	466176.	124.503 NG	0.96
7	88	351	5:16	1	0.730	A BB	484612.	514.955 NG	3.96
8	80	375	5:38	1	0.780	A BB	341988.	131.652 NG	1.01
9	102	403	6:03	1	0.838	A BB	236964.	125.826 NG	0.97
10	109	426	6:24	1	0.886	A BB	225304.	116.640 NG	0.90
11	94	453	6:48	1	0.942	A BV	499508.	125.471 NG	0.97
12	93	✓459	6:53	1	0.954	M XX	571024.	100.294 NG	0.77
13	167	✓459	6:53	1	0.954	A BB	153800.	128.404 NG	0.99
14	93	✓462	6:56	1	0.960	M XX	558876.	137.239 NG	1.06
15	128	✓467	7:00	1	0.971	A BB	416224.	120.893 NG	0.93
16	146	✓479	7:11	1	0.996	A BV	465300.	130.341 NG	1.00
17	91	484	7:16	1	1.006	A BB	687652.	128.447 NG	0.99
18	146	✓483	7:15	1	1.004	A VB	405608.	126.754 NG	0.98
19	108	494	7:25	1	1.027	A BV	269432.	121.296 NG	0.93
20	146	✓499	7:29	1	1.037	A BB	424548.	117.700 NG	0.91
21	106	502	7:32	1	1.044	A VV	383317.	120.295 NG	0.93
22	45	505	7:35	1	1.050	A BB	1171290.	120.158 NG	0.93
23	108	515	7:44	1	1.071	A VV	<del>618044</del> 241.412 NG	241.412 NG	1.66
24	108	515	7:44	1	1.071	A VV	<del>618044</del> 241.412 NG	241.412 NG	1.66
25	100	521	7:49	1	1.083	A BB	193016.	114.099 NG	0.88
26	116	521	7:49	1	1.083	A BB	89544.	104.992 NG	0.81
27	105	518	7:46	1	1.077	A BB	545412.	131.083 NG	1.01
28	70	519	7:47	1	1.079	A VV	408284.	115.741 NG	0.89
29	106	522	7:50	1	1.085	A BB	433724.	121.478 NG	0.94
30	117	524	7:52	1	1.089	A BB	262932.	130.161 NG	1.00
31	136	592	8:53	31	1.000	A BB	360852.	40.000 NG	0.31
32	77	534	8:01	31	0.902	A BV	582375.	123.041 NG	0.95
33	114	547	8:12	31	0.924	A BB	216892.	111.196 NG	0.86
34	82	552	8:17	31	0.932	A BB	1134170.	115.725 NG	0.89
35	107	559	8:23	31	0.944	A BV	318300.	125.993 NG	0.97
36	139	560	8:24	31	0.946	A BB	192044.	130.972 NG	1.01
37	180	559	8:23	31	0.944	A BB	299604.	127.644 NG	0.98
38	125	563	8:27	31	0.951	A BB	675280.	127.317 NG	0.98
39	122	568	8:31	31	0.959	A VV	221558.	124.388 NG	0.96
40	93	569	8:32	31	0.961	A VB	567600.	123.575 NG	0.95
41	162	579	8:41	31	0.978	A BB	344080.	118.579 NG	0.91
42	180	587	8:49	31	0.992	A BB	395832.	117.364 NG	0.90
43	128	594	8:55	31	1.003	A BV	1056550.	126.596 NG	0.97
44	127	599	8:59	31	1.012	A VB	428060.	127.056 NG	0.98
45	162	600	9:00	31	1.014	A BB	327556.	124.376 NG	0.96
46	108	592	8:53	31	1.000	A BB	55324.	171.122 NG	1.32
47	91	620	9:18	31	1.047	M XX	49316.	77.336 NG	0.60
48	213	602	9:02	31	1.017	A BB	274960.	132.410 NG	1.02
49	225	606	9:06	31	1.024	A BB	237160.	120.107 NG	0.92
50	180	609	9:08	31	1.029	A BB	362064.	117.382 NG	0.90
51	159	614	9:13	31	1.037	A BB	486480.	128.804 NG	0.99
52	84	✓627	9:25	31	1.059	A VB	246569.	124.183 NG	0.96
53	107	✓638	9:34	31	1.078	A VV	439541.	115.154 NG	0.89
54	108	✓638	9:34	31	1.078	M XX	97988.	79.083 NG	0.61
55	162	✓645	9:41	31	1.090	A BB	300356.	117.983 NG	0.91
56	108	✓648	9:43	31	1.095	M XX	71800.	151.491 NG	1.17

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
57	142	634	9:49	31	1.105	A VB	803108.	127.890 NG	0.98
58	142	664	9:58	31	1.122	A BV	509180.	126.443 NG	0.97
59	164	751	11:16	59	1.000	A BB	195952.	40.000 NG	0.31
60	216	671	10:04	59	0.893	A BB	583160. <sup>2130</sup>	259.173 NG	2.00
61	216	671	10:04	59	0.893	A BB	583160. <sup>2130</sup>	259.173 NG	2.00
62	237	672	10:05	59	0.893	A BB	154276.	141.953 NG	1.09
63	196	680	10:12	59	0.905	A BV	274698.	113.568 NG	0.87
64	196	654	10:16	59	0.911	A VB	249060.	144.567 NG	1.12
65	162	691	10:22	59	0.920	A VB	281124.	120.707 NG	0.93
66	162	698	10:28	59	0.929	A BV	619296.	114.520 NG	0.88
67	162	702	10:32	59	0.935	A VB	573984.	135.569 NG	1.04
68	216	699	10:29	59	0.931	A BB	301560.	129.351 NG	1.00
69	65	711	10:40	59	0.947	A BV	407767.	125.594 NG	0.97
70	158	715	10:44	59	0.952	A BB	154672.	163.268 NG	1.26
71	168	721	10:49	59	0.960	A BB	156280.	119.345 NG	0.92
72	163	726	10:54	59	0.967	A BB	825780.	124.775 NG	0.96
73	165	735	11:02	59	0.979	A VB	207416.	125.698 NG	0.97
74	152	737	11:04	59	0.981	A BB	1040270.	127.015 NG	0.98
75	138	748	11:13	59	0.996	A BV	225916.	125.905 NG	0.97
76	153	754	11:19	59	1.004	A BB	611396.	128.612 NG	0.99
77	184	757	11:22	59	1.008	A BB	96212.	116.581 NG	0.90
78	109	759	11:23	59	1.011	A BV	115881.	122.896 NG	0.95
79	165	770	11:33	59	1.025	A BB	273336.	123.803 NG	0.95
80	168	767	11:31	59	1.021	A BV	883679.	126.771 NG	0.98
81	250	769	11:32	59	1.024	A BB	314732.	125.018 NG	0.96
82	143	776	11:39	59	1.033	A VV	679104.	129.879 NG	1.00
83	143	783	11:45	59	1.043	A VB	560632.	131.941 NG	1.02
84	232	781	11:43	59	1.040	A BV	193200.	121.024 NG	0.93
85	149	788	11:49	59	1.049	A BV	937712.	128.070 NG	0.99
86	97	797	11:58	59	1.061	A VV	267068.	141.009 NG	1.09
87	204	796	11:57	59	1.060	A VB	326820.	129.191 NG	0.99
88	166	799	11:59	59	1.064	A VV	669464.	125.631 NG	0.97
89	138	805	12:05	59	1.072	A VV	177180.	145.650 NG	1.12
90	152	803	12:03	59	1.069	A BV	233297.	113.694 NG	0.88
91	77	811	12:10	59	1.080	A VB	1532140.	141.026 NG	1.09
92	188	884	13:16	92	1.000	A BB	309012.	40.000 NG	0.31
93	240	1128	16:56	93	1.000	A BB	269028.	40.000 NG	0.31
94	264	1322	19:50	94	1.000	A BV	179260.	40.000 NG	0.31
95	112	382	5:44	1	0.794	A BB	399376.	128.860 NG	0.99
96	99	452	6:47	1	0.940	A BV	447372.	124.112 NG	0.96
97	82	532	7:59	31	0.899	A BB	539600.	122.365 NG	0.94
98	172	687	10:19	59	0.915	A BB	698680.	128.395 NG	0.99
99	330	822	12:20	59	1.095	A BB	120292.	113.589 NG	0.87
100	212	1015	15:14	93	0.900	A VV	858371.	134.228 NG	1.03
101	244	1025	18:23	93	0.909	A VB	747552.	129.917 NG	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:10	1.01	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:08	1.03	10.000	0.06	116.70	160.00	0.959	1.315	0.73
3	4:05	1.03	10.000	0.06	104.77	160.00	0.978	1.493	0.65
4	4:36	1.02	10.000	0.07	125.80	160.00	1.062	1.350	0.79
5	4:36	1.02	10.000	0.07	133.70	160.00	0.206	0.247	0.84
6	4:59	1.02	20.000	0.04	124.50	160.00	1.112	1.430	0.78
7	5:11	1.02	10.000	0.07	514.95	640.00	0.289	0.359	0.80
8	5:32	1.02	10.000	0.08	131.65	160.00	0.816	0.992	0.82
9	5:58	1.01	10.000	0.08	125.83	160.00	0.565	0.719	0.79

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:20	1.01	10.000	0.09	116.64	160.00	0.538	0.737	0.73
11	6:44	1.01	10.000	0.09	125.47	160.00	1.192	1.520	0.78
12	6:50	1.01	10.000	0.10	100.29	160.00	1.363	2.174	0.63
13	6:49	1.01	10.000	0.10	128.40	160.00	0.367	0.457	0.80
14	6:52	1.01	20.000	0.05	137.24	160.00	1.334	1.555	0.86
15	6:57	1.01	10.000	0.10	120.89	160.00	0.993	1.314	0.76
16	7:08	1.01	10.000	0.10	130.34	160.00	1.110	1.363	0.81
17	7:12	1.01	10.000	0.10	128.45	160.00	1.641	2.044	0.80
18	7:11	1.01	10.000	0.10	126.75	160.00	0.968	1.222	0.79
19	7:21	1.01	10.000	0.10	121.30	160.00	0.643	0.848	0.76
20	7:26	1.01	10.000	0.10	117.70	160.00	1.013	1.377	0.74
21	7:29	1.01	10.000	0.10	120.29	160.00	0.915	1.217	0.75
22	7:32	1.01	10.000	0.10	120.16	160.00	2.795	3.722	0.75
23	7:41	1.01	10.000	0.11	241.41	320.00	0.739	0.979	0.75
24	7:41	1.01	10.000	0.11	241.41	320.00	0.739	0.979	0.75
25	7:46	1.01	10.000	0.11	114.10	160.00	0.461	0.646	0.71
26	7:46	1.01	10.000	0.11	104.99	160.00	0.214	0.326	0.66
27	7:44	1.01	10.000	0.11	131.08	160.00	1.301	1.589	0.82
28	7:45	1.01	10.000	0.11	115.74	160.00	0.974	1.347	0.72
29	7:46	1.01	10.000	0.11	121.48	160.00	1.035	1.363	0.76
30	7:49	1.01	10.000	0.11	130.16	160.00	0.627	0.771	0.81
31	8:50	1.01	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:58	1.01	10.000	0.09	123.04	160.00	0.403	0.525	0.77
33	8:11	1.00	10.000	0.09	111.20	160.00	0.150	0.216	0.69
34	8:14	1.01	10.000	0.09	115.73	160.00	0.786	1.086	0.72
35	8:21	1.01	10.000	0.09	125.99	160.00	0.221	0.280	0.79
36	8:21	1.01	10.000	0.09	130.97	160.00	0.133	0.163	0.82
37	8:21	1.01	10.000	0.09	127.64	160.00	0.208	0.260	0.80
38	8:24	1.01	10.000	0.10	127.32	160.00	0.468	0.588	0.80
39	8:29	1.01	100.000	0.01	124.39	160.00	0.153	0.197	0.78
40	8:30	1.01	10.000	0.10	123.57	160.00	0.393	0.509	0.77
41	8:39	1.01	10.000	0.10	118.58	160.00	0.238	0.322	0.74
42	8:46	1.01	10.000	0.10	117.36	160.00	0.274	0.374	0.73
43	8:52	1.01	10.000	0.10	126.60	160.00	0.732	0.925	0.79
44	8:58	1.00	10.000	0.10	127.06	160.00	0.297	0.373	0.79
45	8:58	1.01	20.000	0.05	124.38	160.00	0.227	0.292	0.78
46	8:50	1.01	10.000	0.10	171.12	160.00	0.038	0.036	1.07
47	9:18	1.00	10.000	0.10	77.34	160.00	0.034	0.071	0.48
48	9:00	1.00	10.000	0.10	132.41	160.00	0.190	0.230	0.83
49	9:04	1.00	10.000	0.10	120.11	160.00	0.164	0.219	0.75
50	9:07	1.00	10.000	0.10	117.38	160.00	0.251	0.342	0.73
51	9:10	1.00	20.000	0.05	128.80	160.00	0.337	0.419	0.81
52	9:23	1.00	10.000	0.11	124.18	160.00	0.171	0.220	0.78
53	9:33	1.00	10.000	0.11	115.15	160.00	0.305	0.423	0.72
54	9:33	1.00	10.000	0.11	79.08	160.00	0.068	0.137	0.49
55	9:39	1.00	10.000	0.11	117.98	160.00	0.208	0.282	0.74
56	9:42	1.00	10.000	0.11	151.49	160.00	0.050	0.053	0.95
57	9:47	1.00	10.000	0.11	127.89	160.00	0.556	0.696	0.80
58	9:56	1.00	10.000	0.11	126.44	160.00	0.353	0.446	0.79
59	11:14	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:02	1.00	10.000	0.09	259.17	320.00	0.372	0.459	0.81
61	10:02	1.00	10.000	0.09	259.17	320.00	0.372	0.459	0.81
62	10:03	1.00	10.000	0.09	141.95	160.00	0.197	0.222	0.89
63	10:10	1.00	20.000	0.05	113.57	160.00	0.350	0.494	0.71
64	10:14	1.00	20.000	0.05	144.87	160.00	0.318	0.351	0.91
65	10:20	1.00	20.000	0.05	120.71	160.00	0.359	0.475	0.75

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:27	1.00	10.000	0.09	114.52	160.00	0.790	1.104	0.72
67	10:30	1.00	10.000	0.09	135.57	160.00	0.732	0.864	0.85
68	10:28	1.00	10.000	0.09	129.35	160.00	0.385	0.476	0.81
69	10:38	1.00	10.000	0.09	125.59	160.00	0.520	0.663	0.78
70	10:42	1.00	20.000	0.05	163.27	160.00	0.197	0.193	1.02
71	10:47	1.00	20.000	0.05	119.35	160.00	0.199	0.267	0.75
72	10:52	1.00	10.000	0.10	124.78	160.00	1.054	1.351	0.78
73	11:00	1.00	10.000	0.10	125.70	160.00	0.265	0.337	0.79
74	11:02	1.00	10.000	0.10	127.01	160.00	1.327	1.672	0.79
75	11:12	1.00	20.000	0.05	125.91	160.00	0.288	0.366	0.79
76	11:17	1.00	10.000	0.10	128.61	160.00	0.780	0.970	0.80
77	11:20	1.00	40.000	0.03	116.58	160.00	0.123	0.168	0.73
78	11:22	1.00	10.000	0.10	122.90	160.00	0.148	0.192	0.77
79	11:31	1.00	10.000	0.10	123.80	160.00	0.349	0.451	0.77
80	11:30	1.00	10.000	0.10	126.77	160.00	1.127	1.423	0.79
81	11:31	1.00	10.000	0.10	125.02	160.00	0.402	0.514	0.78
82	11:37	1.00	20.000	0.05	129.88	160.00	0.866	1.067	0.81
83	11:43	1.00	20.000	0.05	131.94	160.00	0.715	0.867	0.82
84	11:41	1.00	20.000	0.05	121.02	160.00	0.246	0.326	0.76
85	11:49	1.00	10.000	0.10	128.07	160.00	1.196	1.495	0.80
86	11:57	1.00	10.000	0.11	141.01	160.00	0.341	0.387	0.88
87	11:55	1.00	10.000	0.11	129.19	160.00	0.417	0.516	0.81
88	11:58	1.00	10.000	0.11	125.63	160.00	0.854	1.088	0.79
89	12:03	1.00	20.000	0.05	145.65	160.00	0.226	0.248	0.91
90	12:01	1.00	20.000	0.05	113.69	160.00	0.298	0.419	0.71
91	12:08	1.00	10.000	0.11	141.03	160.00	1.955	2.218	0.88
92	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	19:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:39	1.01	0.742	1.07	128.86	160.00	0.953	1.183	0.81
96	6:43	1.01	0.948	0.99	124.11	160.00	1.068	1.376	0.78
97	7:56	1.01	0.875	1.03	122.37	160.00	0.374	0.489	0.76
98	10:17	1.00	0.906	1.01	128.39	160.00	0.891	1.111	0.80
99	12:19	1.00	1.118	0.98	113.59	160.00	0.153	0.216	0.71
100	15:13	1.00	10.000	0.09	134.23	160.00	0.798	0.951	0.84
101	15:22	1.00	0.907	1.00	129.92	160.00	0.695	0.856	0.81

QUANTITATION REPORT FILE: H1900505A06  
DATA: H1900505A06.T1  
05/05/90 4:43:00  
SAMPLE: 2 UL 31674-#2389 120 NG 8270 VERSION 3 STD. (SSTD120)  
CONDS.:  
SUBMITTED BY: 06 ANALYST: 875

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

NO	NAME
1	*467 D10-PHENANTHRENE (I9#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (Q4#3) <96-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (Q4#7) <83-01-8>
16	403 ANTHRACENE (Q4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (Q4#10) <206-44-0>
21	*459 D12-CHRYSENE (I9#5)
22	404 BENZIDINE (Q5#2) <92-87-5>
23	445 PYRENE (Q5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENIYL PHTHALATE (Q5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 B1B(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
35	418 CHRYSENE (Q5#8) <218-01-9>
36	*497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
41	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INDEND(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
45	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
46	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>

NO NAME  
47 576 OIALATE (CIS ISOMER)

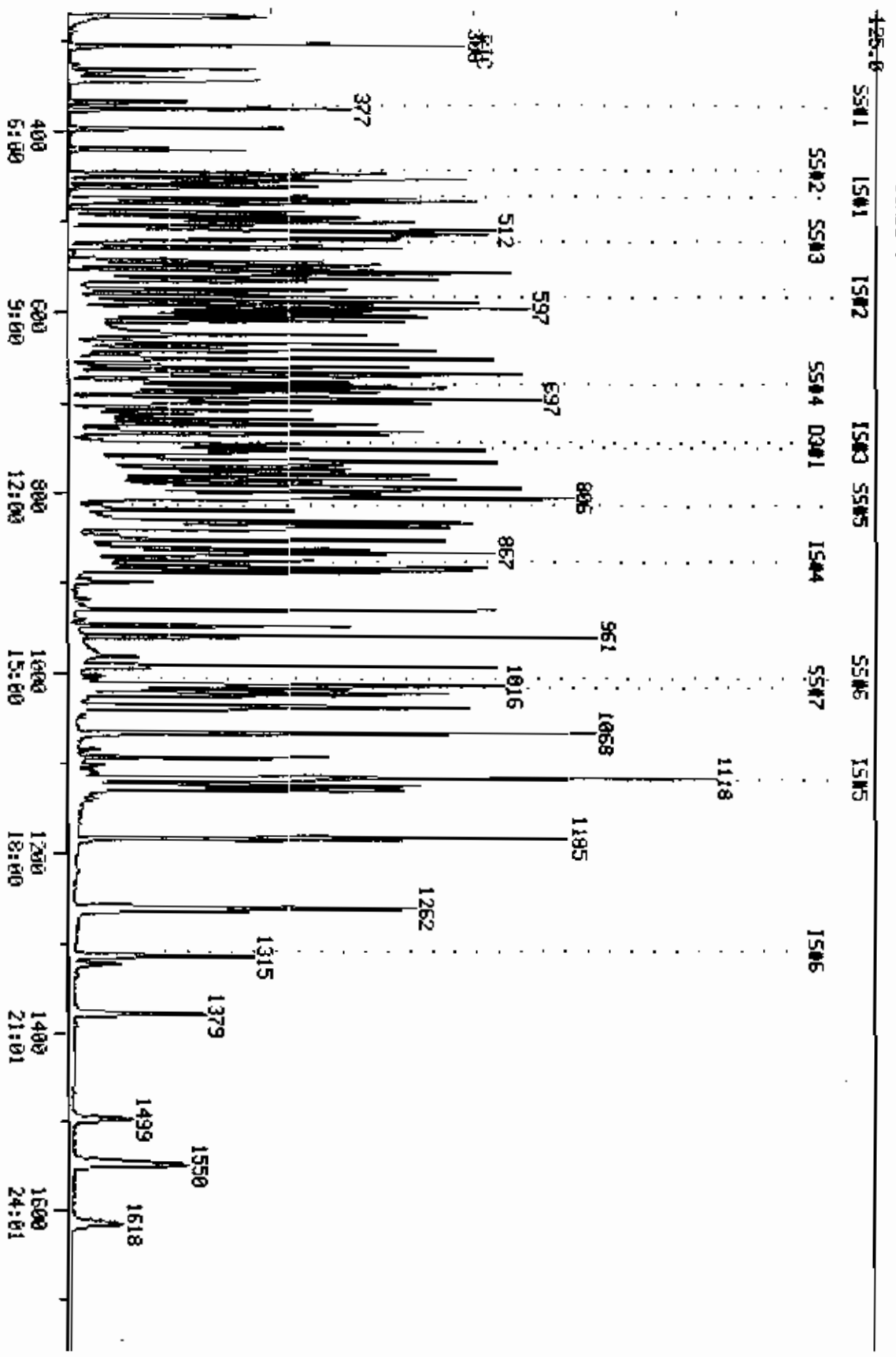
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	188	854	13:16	1	1.000	A BB	309012.	40.000 NG	0.60
2	198	807	12:07	1	0.913	M XX	135580.	120.098 NG	1.81
3	169	808	12:07	1	0.914	M XX	204688.523W	249.430 NG	3.75
4	169	808	12:07	1	0.914	M XX	204688.523W	249.430 NG	3.75
5	213	836	12:33	1	0.946	M XX	97044.	105.632 NG	1.59
6	108	837	12:34	1	0.947	M XX	519956.	128.236 NG	1.93
7	248	840	12:36	1	0.950	M XX	206044.	117.546 NG	1.77
8	234	834	12:31	1	0.943	M XX	77240.	56.083 NG	0.84
9	125	856	12:51	1	0.968	M XX	126032.	125.488 NG	1.89
10	284	855	12:50	1	0.967	M XX	271724.	116.597 NG	1.75
11	169	865	12:59	1	0.979	M XX	631036.	124.276 NG	1.87
12	173	869	13:02	1	0.983	M XX	438080.	138.788 NG	2.09
13	266	871	13:04	1	0.985	M XX	196476.	119.722 NG	1.80
14	237	878	13:11	1	0.993	M XX	111560.	138.086 NG	2.08
15	178	887	13:19	1	1.003	M XX	1178450.	128.084 NG	1.93
16	178	891	13:22	1	1.008	M XX	963284.	143.886 NG	2.16
17	149	932	13:39	1	1.054	M XX	1627910.	134.031 NG	2.01
18	97	962	14:26	1	1.088	M XX	572564.	129.011 NG	1.94
19	211	985	14:47	1	1.114	M XX	60828.	557.820 NG	8.38
20	202	995	14:56	1	1.126	M XX	1032820.	134.099 NG	2.02
21	240	1128	16:56	21	1.000	A BB	269028.	40.000 NG	0.60
22	184	1004	15:04	21	0.890	M XX	70308.	173.796 NG	2.61
23	202	1017	15:16	21	0.902	M XX	1031250.	146.899 NG	2.21
24	185	1027	15:25	21	0.910	M XX	155888.	135.748 NG	2.04
25	225	1039	15:35	21	0.921	M XX	207560.	127.118 NG	1.91
26	139	1041	15:37	21	0.923	M XX	629588.	139.757 NG	2.10
27	212	1069	16:02	21	0.948	M XX	292552.	149.170 NG	2.24
28	149	1068	16:02	21	0.947	M XX	718136.	129.771 NG	1.95
29	181	1095	16:26	21	0.971	M XX	327572.	132.261 NG	1.99
30	231	1119	16:48	21	0.992	M XX	145508.	130.827 NG	1.97
31	252	1121	16:49	21	0.994	M XX	203184.	125.838 NG	1.89
32	244	1117	16:46	21	0.990	M XX	123068.	150.139 NG	2.26
33	149	1118	16:47	21	0.991	M XX	1008280.	145.967 NG	2.19
34	228	1126	16:54	21	0.998	M XX	889692.	127.162 NG	1.91
35	228	1131	16:58	21	1.003	M XX	816884.	134.451 NG	2.02
36	264	1322	19:50	36	1.000	A BV	179260.	40.000 NG	0.60
37	149	1184	17:46	36	0.896	A BV	1768540.	134.160 NG	2.02
38	252	1261	18:55	36	0.954	A BB	1094080.574W	254.734 NG	3.83
39	256	1261	18:55	36	0.954	A VB	377326.	125.693 NG	1.89
40	252	1261	18:55	36	0.954	A BB	1094080.574W	254.734 NG	3.83
41	252	1313	19:42	36	0.993	A BV	597109.	127.393 NG	1.91
42	268	1376	20:39	36	1.041	A BV	349812.	125.470 NG	1.89
43	279	1494	22:25	36	1.130	A BB	317575.	130.621 NG	1.96
44	276	1545	23:11	36	1.169	A BB	481129.	132.006 NG	1.98
45	278	1546	23:12	36	1.169	A BV	390500.	128.604 NG	1.93
46	276	1612	24:11	36	1.219	A BB	347691.	135.600 NG	2.04
47	234	842	12:38	1	0.952	M XX	97028.	19.105 NG	0.29

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:05	1.00	30.000	0.03	120.10	160.00	0.110	0.146	0.75
3	12:06	1.00	10.000	0.09	249.43	320.01	0.366	0.469	0.78
4	12:06	1.00	10.000	0.09	249.43	320.01	0.366	0.469	0.78

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:32	1.00	20.000	0.05	105.63	160.00	0.079	0.119	0.66
6	12:33	1.00	10.000	0.09	128.24	160.00	0.421	0.525	0.80
7	12:35	1.00	10.000	0.10	117.55	160.00	0.167	0.227	0.73
8	12:29	1.00	10.000	0.09	56.08	80.00	0.125	0.178	0.70
9	12:49	1.00	10.000	0.10	125.49	160.00	0.102	0.130	0.78
10	12:48	1.00	10.000	0.10	116.60	160.00	0.220	0.302	0.73
11	12:58	1.00	10.000	0.10	124.28	160.00	0.511	0.657	0.78
12	13:01	1.00	10.000	0.10	138.79	160.00	0.354	0.409	0.87
13	13:02	1.00	20.000	0.05	119.72	160.00	0.159	0.212	0.75
14	13:09	1.00	10.000	0.10	138.09	160.00	0.090	0.105	0.86
15	13:17	1.00	10.000	0.10	128.08	160.00	0.953	1.191	0.80
16	13:20	1.00	10.000	0.10	143.89	160.00	0.779	0.867	0.90
17	13:57	1.00	10.000	0.11	134.03	160.00	1.317	1.572	0.84
18	14:25	1.00	20.000	0.05	129.01	160.00	0.463	0.574	0.81
19	14:46	1.00	50.000	0.02	557.82	640.00	0.012	0.014	0.87
20	14:55	1.00	10.000	0.11	134.10	160.00	0.836	0.997	0.84
21	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:03	1.00	10.000	0.09	173.80	160.00	0.065	0.060	1.09
23	15:15	1.00	10.000	0.09	146.90	160.00	0.958	1.044	0.92
24	15:24	1.00	20.000	0.05	135.75	160.00	0.145	0.171	0.85
25	15:35	1.00	10.000	0.09	127.12	160.00	0.193	0.243	0.79
26	15:36	1.00	10.000	0.09	139.76	160.00	0.585	0.670	0.87
27	16:02	1.00	20.000	0.05	149.17	160.00	0.272	0.292	0.93
28	16:02	1.00	10.000	0.09	129.77	160.00	0.667	0.823	0.81
29	16:26	1.00	10.000	0.10	132.26	160.00	0.304	0.368	0.83
30	16:48	1.00	10.000	0.10	130.83	160.00	0.135	0.165	0.82
31	16:49	1.00	10.000	0.10	125.84	160.00	0.189	0.240	0.79
32	16:46	1.00	10.000	0.10	150.14	160.00	0.114	0.122	0.94
33	16:47	1.00	10.000	0.10	145.97	160.00	0.937	1.027	0.91
34	16:54	1.00	10.000	0.10	127.16	160.00	0.827	1.040	0.79
35	16:58	1.00	10.000	0.10	134.45	160.00	0.759	0.903	0.84
36	19:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:47	1.00	10.000	0.09	134.16	160.00	2.466	2.941	0.84
38	18:56	1.00	10.000	0.10	254.73	320.00	0.763	0.958	0.80
39	18:56	1.00	10.000	0.10	125.69	160.00	0.526	0.670	0.79
40	18:56	1.00	10.000	0.10	254.73	320.00	0.763	0.958	0.80
41	19:44	1.00	10.000	0.10	127.39	160.00	0.833	1.046	0.80
42	20:42	1.00	10.000	0.10	125.47	160.00	0.488	0.622	0.78
43	22:30	1.00	10.000	0.11	130.62	160.00	0.443	0.543	0.82
44	23:16	1.00	10.000	0.12	132.01	160.00	0.671	0.813	0.83
45	23:16	1.00	10.000	0.12	128.60	160.00	0.545	0.678	0.80
46	24:16	1.00	10.000	0.12	135.60	160.00	0.485	0.572	0.85
47	12:36	1.00	10.000	0.10	19.10	25.00	0.502	0.657	0.76

RIC  
 05/05/90 3:23:00  
 SAMPLE: 2 UL 31675-#2390 100 NG 0270 VERSION 3 STD. (SST0150)  
 COND5.:

COMPUTHER LABS  
 COMPUTHER DATA: HC900505006 SCANS 250 TO 1750  
 OUT OF 250 TO 2035





RIC  
05/05/90 3:23:00  
SAMPLE: 2 UL 31675-#2390 160 HG 9270 VERSION 3 STD. (STD160)  
COND5.1  
364470.

COMPUchem LABS  
COMPUchem DATA: HC900505006 SCANS 1758 TO 2035  
OUT OF 250 TO 2035



QUANTITATION REPORT FILE: HG900505A06  
DATA: HG900505A06.TI  
05/05/90 3:23:00  
SAMPLE: 2 UL 31675-#2390 160 NG 8270 VERSION 3 STD. (ESTD160)  
CONDS.:  
SUBMITTED BY: 06 ANALYET: 875

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	481 FURIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSOPIPERIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE (T2#3)
34	438 ISOPHORONE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <95-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLOROANILINE (Q2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA,ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CREBOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAPROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 DID-ACENAPHTHENE (IS#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (IS#4)
93	*459 D12-CHRYSENE (IS#5)
94	*497 D12-PERYLENE
95	6619 2-FLUOROPHENOL (SS#1)
96	6612 D5-PHENOL (SS#2)
97	6447 D8-NITROBENZENE (SS#3)
98	6448 2-FLUOROBIPHENYL (SS#4)
99	6628 2,4,6-TRIBROMOPHENOL (SS#5)
100	*471 D10-PYRENE (SS#6)
101	*496 D14-TERPHENYL (SS#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	%TOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	%TOT
1	152	478	7:10	1	1.000	A BB	108660.	40.000 NG	0.24
2	42	275	4:08	1	0.575	A VB	571548.	160.000 NG	0.97
3	79	272	4:05	1	0.569	A BB	649088.	160.000 NG	0.97
4	69	306	4:36	1	0.640	A BV	586884.	160.000 NG	0.97
5	89	306	4:36	1	0.640	A BB	107304.	160.000 NG	0.97
6	93	332	4:59	1	0.695	A BB	621344.	160.000 NG	0.97
7	88	345	5:11	1	0.722	A BB	624664.	640.000 NG	3.87
8	80	369	5:32	1	0.772	A BB	431068.	160.000 NG	0.97
9	102	398	5:58	1	0.833	A BB	312516.	160.000 NG	0.97
10	109	422	6:20	1	0.883	A BB	320540.	160.000 NG	0.97
11	94	449	6:44	1	0.939	A BV	660634.	160.000 NG	0.97
12	93	✓455	6:50	1	0.952	M XX	944804.	160.000 NG	0.97
13	167	✓454	6:49	1	0.950	A BB	198764.	160.000 NG	0.97
14	93	✓458	6:52	1	0.958	M XX	675772.	160.000 NG	0.97
15	128	463	6:57	1	0.969	A BV	571332.	160.000 NG	0.97
16	146	✓475	7:08	1	0.994	A BV	592396.	160.000 NG	0.97
17	91	480	7:12	1	1.004	A BB	888393.	160.000 NG	0.97
18	146	✓479	7:11	1	1.002	A VB	531016.	160.000 NG	0.97
19	108	✓490	7:21	1	1.025	A BV	368608.	160.000 NG	0.97
20	146	✓495	7:26	1	1.036	A BB	598564.	160.000 NG	0.97
21	108	499	7:29	1	1.044	A VV	528778.	160.000 NG	0.97
22	45	502	7:32	1	1.050	A BV	1617620.	160.001 NG	0.97
23	108	✓512	7:41	1	1.071	A VV	851868.4111	320.004 NG	1.94
24	108	✓512	7:41	1	1.071	A VV	851868.4111	320.004 NG	1.94
25	100	518	7:46	1	1.084	A BB	280720.	160.000 NG	0.97
26	116	518	7:46	1	1.084	A BB	141528.	160.000 NG	0.97
27	105	515	7:44	1	1.077	A BB	690460.	160.000 NG	0.97
28	70	516	7:45	1	1.079	A VV	585376.	160.000 NG	0.97
29	106	518	7:46	1	1.084	A BB	592484.	160.000 NG	0.97
30	117	521	7:49	1	1.090	A BB	335216.	160.000 NG	0.97
31	136	589	8:50	31	1.000	A BV	382984.	40.000 NG	0.24
32	77	531	7:58	31	0.902	A BV	803756.	160.000 NG	0.97
33	114	545	8:11	31	0.925	A BB	331228.	160.000 NG	0.97
34	82	549	8:14	31	0.932	A BV	1664260.	160.000 NG	0.97
35	107	556	8:21	31	0.944	A VV	429003.	160.000 NG	0.97
36	139	557	8:21	31	0.946	A BB	248996.	160.000 NG	0.97
37	180	556	8:21	31	0.944	A BB	398584.	160.000 NG	0.97
38	125	560	8:24	31	0.951	A BV	900676.	160.000 NG	0.97
39	122	565	8:29	31	0.959	A VV	302468.	160.000 NG	0.97
40	93	566	8:30	31	0.961	A VV	779980.	160.000 NG	0.97
41	162	576	8:39	31	0.978	A BV	492744.	160.000 NG	0.97
42	180	584	8:46	31	0.992	A BB	572728.	160.000 NG	0.97
43	128	591	8:52	31	1.003	A BV	1417230.	160.000 NG	0.97
44	127	597	8:58	31	1.014	A VV	572112.	160.000 NG	0.97
45	162	597	8:58	31	1.014	A BB	447220.	160.000 NG	0.97
46	108	589	8:50	31	1.000	A VB	54901.	160.000 NG	0.97
47	91	620	9:18	31	1.053	M XX	108288.	160.000 NG	0.97
48	213	600	9:00	31	1.019	A BB	352632.	160.000 NG	0.97
49	225	604	9:04	31	1.025	A BB	335308.	160.000 NG	0.97
50	180	607	9:07	31	1.031	A BB	523788.	160.000 NG	0.97
51	159	611	9:10	31	1.037	A BB	641368.	160.000 NG	0.97
52	84	625	9:23	31	1.061	A BV	337580.	160.000 NG	0.97
53	107	✓636	9:33	31	1.080	A VB	648173.	160.000 NG	0.97
54	108	✓636	9:33	31	1.080	M XX	210408.	160.000 NG	0.97
55	162	✓643	9:39	31	1.092	A BB	432304.	160.000 NG	0.97
56	108	✓646	9:42	31	1.097	M XX	80484.	126.740 NG	0.77

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
57	142	✓652	9:47	31	1.107	A VV	1066370.	160.000 NG	0.97
58	142	✓662	9:56	31	1.124	A VB	683821.	160.000 NG	0.97
59	164	749	11:14	59	1.000	A BB	215592	40.000 NG	0.24
60	216	669	10:02	59	0.893	A BB	792124	320.005 NG	1.94
61	216	669	10:02	59	0.893	A BB	792124	320.005 NG	1.94
62	207	✓670	10:03	59	0.895	A BB	191316.	160.000 NG	0.97
63	196	✓678	10:10	59	0.905	A BV	425796.	160.000 NG	0.97
64	196	✓682	10:14	59	0.911	A VV	302648.	160.000 NG	0.97
65	162	✓689	10:20	59	0.920	A VV	409984.	160.000 NG	0.97
66	162	✓696	10:27	59	0.929	A VV	951960.	160.000 NG	0.97
67	162	700	10:30	59	0.935	A VB	745320.	160.000 NG	0.97
68	216	697	10:28	59	0.931	A BB	410400.	160.000 NG	0.97
69	65	709	10:38	59	0.947	A BV	571540.	160.000 NG	0.97
70	158	713	10:42	59	0.952	A BB	166768.	160.000 NG	0.97
71	168	719	10:47	59	0.960	A BB	230516.	160.000 NG	0.97
72	163	724	10:52	59	0.967	A BB	1165030.	160.000 NG	0.97
73	165	733	11:00	59	0.979	A VB	290480.	160.000 NG	0.97
74	152	735	11:02	59	0.981	A BV	1441770.	160.000 NG	0.97
75	138	746	11:12	59	0.996	A BV	315868.	160.000 NG	0.97
76	153	752	11:17	59	1.004	A*BB	836844.	160.000 NG	0.97
77	184	755	11:20	59	1.008	A BV	145280.	160.000 NG	0.97
78	109	758	11:22	59	1.012	A VV	165988.	160.000 NG	0.97
79	165	768	11:31	59	1.025	A BB	388660.	160.000 NG	0.97
80	168	766	11:30	59	1.023	A BB	1227090.	160.000 NG	0.97
81	250	767	11:31	59	1.024	A BB	443172.	160.000 NG	0.97
82	143	774	11:37	59	1.033	A VV	920448.	160.000 NG	0.97
83	143	781	11:43	59	1.043	A VB	747996.	160.000 NG	0.97
84	232	✓779	11:41	59	1.040	A BB	281021.	160.000 NG	0.97
85	149	✓787	11:49	59	1.051	A VV	1288910.	160.000 NG	0.97
86	97	✓796	11:57	59	1.063	A VB	333410.	160.000 NG	0.97
87	204	✓794	11:55	59	1.060	A VB	445328.	160.000 NG	0.97
88	166	797	11:58	59	1.064	A BV	938069.	160.000 NG	0.97
89	138	803	12:03	59	1.072	A VB	214144.	160.000 NG	0.97
90	152	801	12:01	59	1.069	A BV	361224.	160.000 NG	0.97
91	77	809	12:08	59	1.080	A VB	1912500.	160.000 NG	0.97
92	188	883	13:15	92	1.000	A VB	333604.	40.000 NG	0.24
93	240	1128	16:56	93	1.000	A VV	296356.	40.000 NG	0.24
94	264	1323	19:51	94	1.000	A BV	197452.	40.000 NG	0.24
95	112	377	5:39	1	0.789	A BB	514308.	160.000 NG	0.97
96	99	448	6:43	1	0.937	A BV	598160.	160.000 NG	0.97
97	82	529	7:56	31	0.898	A BB	748832.	160.000 NG	0.97
98	172	685	10:17	59	0.915	A BV	957932.	160.000 NG	0.97
99	330	821	12:19	59	1.096	A BB	186424.	160.000 NG	0.97
100	212	1014	15:13	93	0.899	A VV	1127110.	160.000 NG	0.97
101	244	1024	15:22	93	0.908	A VB	1014170.	160.000 NG	0.97

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:08	1.00	10.000	0.06	160.00	160.00	1.315	1.315	1.00
3	4:05	1.00	10.000	0.06	160.00	160.00	1.493	1.493	1.00
4	4:36	1.00	10.000	0.06	160.00	160.00	1.350	1.350	1.00
5	4:36	1.00	10.000	0.06	160.00	160.00	0.247	0.247	1.00
6	4:59	1.00	20.000	0.03	160.00	160.00	1.430	1.430	1.00
7	5:11	1.00	10.000	0.07	640.00	640.00	0.359	0.359	1.00
8	5:32	1.00	10.000	0.08	160.00	160.00	0.992	0.992	1.00
9	5:58	1.00	10.000	0.08	160.00	160.00	0.719	0.719	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:20	1.00	10.000	0.09	160.00	160.00	0.737	0.737	1.00
11	6:44	1.00	10.000	0.09	160.00	160.00	1.520	1.520	1.00
12	6:50	1.00	10.000	0.10	160.00	160.00	2.174	2.174	1.00
13	6:49	1.00	10.000	0.09	160.00	160.00	0.457	0.457	1.00
14	6:52	1.00	20.000	0.05	160.00	160.00	1.555	1.555	1.00
15	6:57	1.00	10.000	0.10	160.00	160.00	1.314	1.314	1.00
16	7:08	1.00	10.000	0.10	160.00	160.00	1.363	1.363	1.00
17	7:12	1.00	10.000	0.10	160.00	160.00	2.044	2.044	1.00
18	7:11	1.00	10.000	0.10	160.00	160.00	1.222	1.222	1.00
19	7:21	1.00	10.500	0.10	160.00	160.00	0.848	0.848	1.00
20	7:26	1.00	10.000	0.10	160.00	160.00	1.377	1.377	1.00
21	7:29	1.00	10.000	0.10	160.00	160.00	1.217	1.217	1.00
22	7:32	1.00	10.000	0.11	160.00	160.00	3.722	3.722	1.00
23	7:41	1.00	10.000	0.11	320.00	320.00	0.979	0.979	1.00
24	7:41	1.00	10.000	0.11	320.00	320.00	0.979	0.979	1.00
25	7:46	1.00	10.000	0.11	160.00	160.00	0.646	0.646	1.00
26	7:46	1.00	10.000	0.11	160.00	160.00	0.326	0.326	1.00
27	7:44	1.00	10.000	0.11	160.00	160.00	1.589	1.589	1.00
28	7:45	1.00	10.000	0.11	160.00	160.00	1.347	1.347	1.00
29	7:46	1.00	10.000	0.11	160.00	160.00	1.363	1.363	1.00
30	7:49	1.00	10.000	0.11	160.00	160.00	0.771	0.771	1.00
31	8:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:58	1.00	10.000	0.09	160.00	160.00	0.525	0.525	1.00
33	8:11	1.00	10.000	0.09	160.00	160.00	0.216	0.216	1.00
34	8:14	1.00	10.000	0.09	160.00	160.00	1.086	1.086	1.00
35	8:21	1.00	10.000	0.09	160.00	160.00	0.280	0.280	1.00
36	8:21	1.00	10.000	0.09	160.00	160.00	0.163	0.163	1.00
37	8:21	1.00	10.000	0.09	160.00	160.00	0.260	0.260	1.00
38	8:24	1.00	10.000	0.10	160.00	160.00	0.588	0.588	1.00
39	8:29	1.00	100.000	0.01	160.00	160.00	0.197	0.197	1.00
40	8:30	1.00	10.000	0.10	160.00	160.00	0.509	0.509	1.00
41	8:39	1.00	10.000	0.10	160.00	160.00	0.322	0.322	1.00
42	8:46	1.00	10.000	0.10	160.00	160.00	0.374	0.374	1.00
43	8:52	1.00	10.000	0.10	160.00	160.00	0.925	0.925	1.00
44	8:58	1.00	10.000	0.10	160.00	160.00	0.373	0.373	1.00
45	8:58	1.00	20.000	0.05	160.00	160.00	0.292	0.292	1.00
46	8:50	1.00	10.000	0.10	160.00	160.00	0.036	0.036	1.00
47	9:18	1.00	10.000	0.11	160.00	160.00	0.071	0.071	1.00
48	9:00	1.00	10.000	0.10	160.00	160.00	0.230	0.230	1.00
49	9:04	1.00	10.000	0.10	160.00	160.00	0.219	0.219	1.00
50	9:07	1.00	10.000	0.10	160.00	160.00	0.342	0.342	1.00
51	9:10	1.00	20.000	0.05	160.00	160.00	0.419	0.419	1.00
52	9:23	1.00	10.000	0.11	160.00	160.00	0.220	0.220	1.00
53	9:33	1.00	10.000	0.11	160.00	160.00	0.423	0.423	1.00
54	9:33	1.00	10.000	0.11	160.00	160.00	0.137	0.137	1.00
55	9:39	1.00	10.000	0.11	160.00	160.00	0.282	0.282	1.00
56	9:43	1.00	10.000	0.11	126.74	160.00	0.053	0.066	0.79
57	9:47	1.00	10.000	0.11	160.00	160.00	0.696	0.696	1.00
58	9:56	1.00	10.000	0.11	160.00	160.00	0.446	0.446	1.00
59	11:14	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:02	1.00	10.000	0.09	320.00	320.00	0.459	0.459	1.00
61	10:02	1.00	10.000	0.09	320.00	320.00	0.499	0.459	1.00
62	10:03	1.00	10.000	0.09	160.00	160.00	0.222	0.222	1.00
63	10:10	1.00	20.000	0.05	160.00	160.00	0.494	0.494	1.00
64	10:14	1.00	20.000	0.05	160.00	160.00	0.351	0.351	1.00
65	10:20	1.00	20.000	0.05	160.00	160.00	0.475	0.475	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:27	1.00	10.000	0.09	160.00	160.00	1.104	1.104	1.00
67	10:30	1.00	10.000	0.09	160.00	160.00	0.864	0.864	1.00
68	10:28	1.00	10.000	0.09	160.00	160.00	0.476	0.476	1.00
69	10:38	1.00	10.000	0.09	160.00	160.00	0.663	0.663	1.00
70	10:42	1.00	20.000	0.05	160.00	160.00	0.193	0.193	1.00
71	10:47	1.00	20.000	0.05	160.00	160.00	0.267	0.267	1.00
72	10:52	1.00	10.000	0.10	160.00	160.00	1.351	1.351	1.00
73	11:00	1.00	10.000	0.10	160.00	160.00	0.337	0.337	1.00
74	11:02	1.00	10.000	0.10	160.00	160.00	1.672	1.672	1.00
75	11:12	1.00	20.000	0.05	160.00	160.00	0.366	0.366	1.00
76	11:17	1.00	10.000	0.10	160.00	160.00	0.970	0.970	1.00
77	11:20	1.00	40.000	0.03	160.00	160.00	0.168	0.168	1.00
78	11:22	1.00	10.000	0.10	160.00	160.00	0.192	0.192	1.00
79	11:31	1.00	10.000	0.10	160.00	160.00	0.451	0.451	1.00
80	11:30	1.00	10.000	0.10	160.00	160.00	1.423	1.423	1.00
81	11:31	1.00	10.000	0.10	160.00	160.00	0.514	0.514	1.00
82	11:37	1.00	20.000	0.05	160.00	160.00	1.067	1.067	1.00
83	11:43	1.00	20.000	0.05	160.00	160.00	0.867	0.867	1.00
84	11:41	1.00	20.000	0.05	160.00	160.00	0.326	0.326	1.00
85	11:49	1.00	10.000	0.11	160.00	160.00	1.495	1.495	1.00
86	11:57	1.00	10.000	0.11	160.00	160.00	0.387	0.387	1.00
87	11:55	1.00	10.000	0.11	160.00	160.00	0.516	0.516	1.00
88	11:58	1.00	10.000	0.11	160.00	160.00	1.088	1.088	1.00
89	12:03	1.00	20.000	0.05	160.00	160.00	0.248	0.248	1.00
90	12:01	1.00	20.000	0.05	160.00	160.00	0.419	0.419	1.00
91	12:08	1.00	10.000	0.11	160.00	160.00	2.218	2.218	1.00
92	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	19:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:39	1.00	0.742	1.06	160.00	160.00	1.183	1.183	1.00
96	6:43	1.00	0.948	0.99	160.00	160.00	1.376	1.376	1.00
97	7:56	1.00	0.875	1.03	160.00	160.00	0.489	0.489	1.00
98	10:17	1.00	0.906	1.01	160.00	160.00	1.111	1.111	1.00
99	12:19	1.00	1.118	0.98	160.00	160.00	0.216	0.216	1.00
100	15:13	1.00	10.000	0.09	160.00	160.00	0.951	0.951	1.00
101	15:22	1.00	0.907	1.00	160.00	160.00	0.856	0.856	1.00

QUANTITATION REPORT FILE: H0900505A06  
DATA: H0900505A06.TI  
05/05/90 3:23:00  
SAMPLE: 2 UL 31675-#2390 160 NG B270 VERSION 3 STD. (SSTD160)  
CONDS.:  
SUBMITTED BY: 06 ANALYST: 875

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

NO	NAME
1	*467 D10-PHENANTHRENE (IS#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
11	485 4-AMINOBIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (Q4#7) <85-01-8>
16	403 ANTHRACENE (Q4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (Q4#10) <206-44-0>
21	*459 D12-CHRYSENE (IS#5)
22	404 BENZIDINE (Q5#2) <92-87-5>
23	445 PYRENE (Q5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINDAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
35	418 CHRYSENE (Q5#8) <218-01-9>
36	*497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
41	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (Q6#6) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (Q6#7) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (Q6#8) <191-24-2>



NO NAME  
47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	188	883	13:15	1	1.000	A VB	333604.	40.000 NG	0.50
2	178	805	12:05	1	0.912	A BB	195000.	160.000 NG	1.98
3	167	806	12:06	1	0.913	A VB	<del>1253040</del> 1650320.	320.009 NG	3.97
4	167	806	12:06	1	0.913	A VB	<del>1253040</del> 1650320.	320.009 NG	3.97
5	213	835	12:32	1	0.946	A VB	158670.	160.000 NG	1.98
6	108	836	12:33	1	0.947	A BB	700378.	160.000 NG	1.98
7	248	838	12:35	1	0.949	A VB	302780.	160.000 NG	1.98
8	234	832	12:29	1	0.942	M XX	118948.	80.000 NG	0.97
9	125	854	12:49	1	0.967	A VB	173482.	160.000 NG	1.98
10	284	853	12:48	1	0.966	A BB	402548.	160.000 NG	1.98
11	169	864	12:58	1	0.978	A BV	877088.	160.000 NG	1.98
12	173	867	13:01	1	0.982	A BB	545229.	160.000 NG	1.98
13	266	869	13:02	1	0.984	A BV	283472.	160.000 NG	1.98
14	237	876	13:09	1	0.992	A VB	139552.	160.000 NG	1.98
15	178	✓885	13:17	1	1.002	A BV	1589250.	160.000 NG	1.98
16	178	✓889	13:20	1	1.007	A VB	1156410.	160.000 NG	1.98
17	149	930	13:57	1	1.053	A VB	2097980.	160.000 NG	1.98
18	97	961	14:25	1	1.088	A VV	766606.	160.000 NG	1.98
19	211	984	14:46	1	1.114	A BV	75344.	640.005 NG	7.74
20	202	✓994	14:55	1	1.126	A VV	1330380.	160.000 NG	1.98
21	240	1128	16:56	21	1.000	A VV	296356.	40.000 NG	0.50
22	184	1003	15:03	21	0.989	A VV	71302.	160.000 NG	1.98
23	202	✓1016	15:15	21	0.901	A VB	1237330.	160.000 NG	1.98
24	185	1026	15:24	21	0.910	A VV	202402.	160.000 NG	1.98
25	225	1039	15:35	21	0.920	A VV	287788.	160.000 NG	1.98
26	139	1040	15:36	21	0.922	A VV	794002.	160.000 NG	1.98
27	212	1069	16:02	21	0.948	A VV	345669.	160.000 NG	1.98
28	149	1068	16:02	21	0.947	A BV	975365.	160.000 NG	1.98
29	181	1095	16:26	21	0.971	A VV	436527.	160.000 NG	1.98
30	231	1119	16:48	21	0.992	A BV	196032.	160.000 NG	1.98
31	252	1121	16:49	21	0.994	A VB	284587.	160.000 NG	1.98
32	244	1117	16:46	21	0.990	A VV	144473.	160.000 NG	1.98
33	149	1118	16:47	21	0.991	A BV	1217480.	160.000 NG	1.98
34	228	✓1126	16:54	21	0.998	A BV	1233160.	160.000 NG	1.98
35	228	✓1131	16:58	21	1.003	A VB	1070860.	160.000 NG	1.98
36	264	1323	19:51	36	1.000	A BV	197452.	40.000 NG	0.50
37	149	1185	17:47	36	0.896	A BB	2323220.	160.000 NG	1.98
38	252	1262	18:56	36	0.954	A BB	<del>1319890</del> 320.003	320.003 NG	3.97
39	256	1262	18:56	36	0.954	A BV	529058.	160.000 NG	1.98
40	252	1262	18:56	36	0.954	A BB	<del>1512890</del> 320.003	320.003 NG	3.97
41	252	1315	19:44	36	0.994	A BV	826050.	160.000 NG	1.98
42	268	1379	20:42	36	1.042	A VB	491351.	160.000 NG	1.98
43	279	1499	22:30	36	1.133	A BB	428480.	160.000 NG	1.98
44	276	1550	23:16	36	1.172	A BB	642343.	160.000 NG	1.98
45	278	1550	23:16	36	1.172	A BB	535137.	160.000 NG	1.98
46	276	1617	24:16	36	1.222	A BB	451889.	160.000 NG	1.98
47	234	840	12:36	1	0.951	A VB	137072.	25.000 NG	0.31

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:15	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:05	1.00	30.000	0.03	160.00	160.00	0.146	0.146	1.00
3	12:06	1.00	10.000	0.09	320.01	320.01	0.469	0.469	1.00
4	12:06	1.00	10.000	0.09	320.01	320.01	0.469	0.469	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:32	1.00	20.000	0.05	160.00	160.00	0.119	0.119	1.00
6	12:33	1.00	10.000	0.09	160.00	160.00	0.525	0.525	1.00
7	12:35	1.00	10.000	0.09	160.00	160.00	0.227	0.227	1.00
8	12:29	1.00	10.000	0.09	80.00	80.00	0.178	0.178	1.00
9	12:49	1.00	10.000	0.10	160.00	160.00	0.130	0.130	1.00
10	12:48	1.00	10.000	0.10	160.00	160.00	0.302	0.302	1.00
11	12:58	1.00	10.000	0.10	160.00	160.00	0.657	0.657	1.00
12	13:01	1.00	10.000	0.10	160.00	160.00	0.409	0.409	1.00
13	13:02	1.00	20.000	0.05	160.00	160.00	0.212	0.212	1.00
14	13:09	1.00	10.000	0.10	160.00	160.00	0.105	0.105	1.00
15	13:17	1.00	10.000	0.10	160.00	160.00	1.191	1.191	1.00
16	13:20	1.00	10.000	0.10	160.00	160.00	0.867	0.867	1.00
17	13:57	1.00	10.000	0.11	160.00	160.00	1.572	1.572	1.00
18	14:25	1.00	20.000	0.05	160.00	160.00	0.574	0.574	1.00
19	14:46	1.00	50.000	0.02	640.00	640.00	0.014	0.014	1.00
20	14:55	1.00	10.000	0.11	160.00	160.00	0.997	0.997	1.00
21	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:03	1.00	10.000	0.09	160.00	160.00	0.060	0.060	1.00
23	15:15	1.00	10.000	0.09	160.00	160.00	1.044	1.044	1.00
24	15:24	1.00	20.000	0.05	160.00	160.00	0.171	0.171	1.00
25	15:35	1.00	10.000	0.09	160.00	160.00	0.243	0.243	1.00
26	15:36	1.00	10.000	0.09	160.00	160.00	0.670	0.670	1.00
27	16:02	1.00	20.000	0.05	160.00	160.00	0.292	0.292	1.00
28	16:02	1.00	10.000	0.09	160.00	160.00	0.823	0.823	1.00
29	16:26	1.00	10.000	0.10	160.00	160.00	0.368	0.368	1.00
30	16:48	1.00	10.000	0.10	160.00	160.00	0.165	0.165	1.00
31	16:49	1.00	10.000	0.10	160.00	160.00	0.240	0.240	1.00
32	16:46	1.00	10.000	0.10	160.00	160.00	0.122	0.122	1.00
33	16:47	1.00	10.000	0.10	160.00	160.00	1.027	1.027	1.00
34	16:54	1.00	10.000	0.10	160.00	160.00	1.040	1.040	1.00
35	16:58	1.00	10.000	0.10	160.00	160.00	0.903	0.903	1.00
36	19:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:47	1.00	10.000	0.09	160.00	160.00	2.941	2.941	1.00
38	18:56	1.00	10.000	0.10	320.00	320.00	0.958	0.958	1.00
39	18:56	1.00	10.000	0.10	160.00	160.00	0.670	0.670	1.00
40	18:56	1.00	10.000	0.10	320.00	320.00	0.958	0.958	1.00
41	19:44	1.00	10.000	0.10	160.00	160.00	1.046	1.046	1.00
42	20:42	1.00	10.000	0.10	160.00	160.00	0.622	0.622	1.00
43	22:30	1.00	10.000	0.11	160.00	160.00	0.543	0.543	1.00
44	23:16	1.00	10.000	0.12	160.00	160.00	0.813	0.813	1.00
45	23:16	1.00	10.000	0.12	160.00	160.00	0.678	0.678	1.00
46	24:16	1.00	10.000	0.12	160.00	160.00	0.572	0.572	1.00
47	12:36	1.00	10.000	0.10	25.00	25.00	0.657	0.657	1.00

AP/CHEM LABORATORIES, INC.  
GC/MS ANALYSIS LOG

RUN LOG

semi-volatile  
PREVENTIVE MAINTENANCE jobs run 5/5/90

INITIAL TIME OF TUNE 2:57  
TIME TUNE EXPIRES 14:57

SHIFT(S) (A) (B) (C) ✓  
DATE 5/5/90  
ANALYST/TYPER 1700  
VJZ

FILE NAME	DATE	TIME	EPA ID	CASE NO.	STD. #	AMOUNT ANALYZED	CHEMIST	COMMENTS (Lit. #, Disposition, Etc.)
<del>02900505 Col</del>	<del>5/5/90</del>	<del>2:57</del>	<del>VFPP</del>			1.0	875	
<del>H4 500505 Ad</del>	<del>5/5/90</del>	<del>3:33</del>	<del>STD010</del>			2.0	875	
<del>H4 500505 Ad</del>	<del>5/5/90</del>	<del>4:00</del>	<del>STD010</del>			2.0	875	
<del>H1 500505 Ad</del>	<del>5/5/90</del>	<del>4:43</del>	<del>STD0120</del>			2.0	875	
<del>H1 500505 Ad</del>	<del>5/5/90</del>	<del>5:46</del>	<del>STD080</del>			2.0	875	
<del>HK 500505 Ad</del>	<del>5/5/90</del>	<del>6:31</del>	<del>STD050</del>			2.0	875	

~~Ad Good~~

~~Calibration~~

~~analysis  
and 1/2 gallon~~

VERIFIED  
SUPERVISOR APPROVAL

CASE NO: D57P000008  
 CONTRACTOR: D57P000008  
 CONTRACT NO: MINIMUM AUC RF FOR SPOC IS 0.850

INSTRUMENT ID: 07  
 CALIBRATION DATE: 04/07/98

MAXIMUM % PSD FOR OCC IS 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (160)	AUC RF	%PSD	OCC # SPOC#	P/F
441 N-NITROSDIMETHYLAMINE (01#2) <52-75-9	0.789	0.953	1.177	1.234	1.284	1.070	22.4		
481 PIPIDINE (29#1)	1.004	0.963	1.003	1.448	1.453	1.090	21.4		
509 ETHYLETHEDIACRYLATE (11#4)	1.231	0.963	1.195	1.447	1.262	1.222	14.0		
512 PIPERIDINE (29#3)	0.740	0.821	0.868	0.822	0.822	0.868	18.5		
518 2-PICOLINE (29#5)	1.218	1.078	0.853	0.846	0.822	1.110	20.5		
525 NITROSODIMETHYLETHYLAMINE (29#4) (18595-	0.814	0.974	0.853	0.853	0.853	0.853	20.7		
543 METHYL METHANE SULFONATE (29#5) <65-27	0.609	0.597	0.470	0.470	0.516	0.601	17.7		
499 N-NITROSDIETHYLAMINE (29#6)	0.629	0.804	0.840	0.714	0.720	0.743	14.2		
514 ETHYL METHANESULFONATE (29#7) <52-50-0	0.629	0.804	0.840	0.714	0.720	0.743	17.6		
518 PHENOL (01#3) <108-95-2>	1.257	2.095	1.717	1.811	1.850	1.748	14.2		
412 ANILINE (01#4) <52-53-3>	1.000	1.564	1.904	1.444	1.298	0.875	14.2		
505 PENTACHLOROETHYLENE (29#8)	0.309	0.337	0.409	0.401	0.401	0.673	13.1		
501 BIS(2-CHLOROETHYL) ETHER (01#5) <111-44	1.427	1.147	1.405	1.730	1.591	1.384	13.4		
601 2-CHLOROPHENOL (01#6) <95-57-0>	1.560	1.645	1.631	1.631	1.691	1.430	10.4		
421 1,3-DICHLOROBENZENE (01#7) <541-73-1>	0.382	0.504	0.797	0.901	0.914	0.610	6.2		
502 BERYL CHLORIDE (29#9)	1.372	1.304	1.320	1.107	1.077	1.405	7.3		
422 1,4-DICHLOROBENZENE (01#8) <105-45-7>	0.679	0.839	0.787	0.900	0.914	0.865	11.6		
424 BENZYL ALCOHOL (01#9) <100-51-6>	1.304	1.493	1.488	1.500	1.520	1.400	11.6		
420 1,2-DICHLOROBENZENE (01#10) <35-50-1>	1.101	1.137	1.268	1.308	1.371	1.400	4.7		
620 2-METHYLPHENOL (01#11) <95-48-7>	1.129	1.137	1.461	1.301	1.359	1.252	4.7		
412 3-METHYLPHENOL (01#12) <3>	1.129	1.137	1.461	1.301	1.359	1.252	4.7		
521 4-METHYLPHENOL (01#13) <105-44-5>	1.210	1.137	1.163	1.179	1.389	1.389	4.7		
528 N-NITROSDIPICOLINE (29#15) <930-58-2	0.241	0.537	0.483	0.519	0.490	0.427	4.4		
544 N-NITROSOMORPHOLINE (29#12) <59-89-2>	0.258	0.774	0.725	0.673	0.629	0.629	4.4		
500 METOPROLOL (29#11)	1.140	1.178	1.130	1.131	1.238	0.820	10.6		
442 N-NITROSDI-N-PROPYLAMINE (01#14) <52	1.003	1.021	1.130	1.131	1.238	0.820	10.6		
515 D-TOLUIDINE HYDROCHLORIDE (29#13)	1.359	1.410	1.510	1.517	1.455	1.465	4.0		
436 HEXACHLOROETHANE (01#15) <57-72-1>	0.842	0.501	0.509	0.514	0.507	0.947	4.0		
446 NITROBENZENE (01#16) <35-95-3>	0.572	0.582	0.582	0.514	0.545	0.700	3.9		
502 N-NITROSDIPICOLINE (29#15)	0.193	0.197	0.200	0.193	0.190	0.190	2.7		
438 1-ISOHARNONE (92#2) <78-59-1>	1.010	0.990	1.011	0.460	0.422	0.990	1.9		
503 2,4-DINITROPHENOL (02#4) <105-67-9>	0.493	0.483	0.493	0.460	0.422	0.412	3.0		
506 2-NITROPHENOL (02#3) <88-73-3>	0.224	0.443	0.239	0.234	0.241	0.236	3.0		
451 1,3,5-TRICHLOROBENZENE (29#22) <100-20	0.442	0.413	0.429	0.407	0.367	0.412	4.0		
518 BENZOIC ACID (01#15) <38-87-3>	0.872	0.870	0.919	0.460	0.403	0.854	4.0		
625 BENZOIC ACID (02#5) <65-65-0>	0.872	0.870	0.919	0.460	0.403	0.854	4.0		
410 BIS(2-CHLOROETHYL) METHANE (02#6) <111	0.428	0.492	0.503	0.440	0.400	0.491	20.7		
502 2,4-DICHLOROPHENOL (02#7) <128-83-2>	0.294	0.332	0.322	0.294	0.400	0.400	2.1		

RF - RESPONSE FACTOR (AMOUNT IN HANDBOOKS)  
 AUC RF - AVERAGE RESPONSE FACTOR  
 %PSD - PERCENT RELATIVE STANDARD DEVIATION (%S)  
 OCC # - CALIBRATION CHECK COMPOUNDS (#)  
 SPOC # - SYSTEM PERFORMANCE CHECK COMPOUNDS (##)  
 + - EITHER NOT DETECTABLE OR SATURATED



CASE NO: CONF02EH  
 CONTRACTOR: CONF02EH  
 CONTRACT NO: MINIMUM AVG RF FOR SPEC 15 0.050  
 INSTRUMENT ID: 07  
 CALIBRATION DATE: 04/07/90  
 MAXIMUM % RSD FOR CCC IS 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (160)	AUG RF	RRSD	CCC # SPEC#	P/F
484 2-NAPHTHYLAMINE (29#35)	1.002	0.765	1.067	1.090	1.072	0.999	13.5		
483 1-NAPHTHYLAMINE (29#35)	0.926	0.740	1.045	0.880	0.914	0.961	14.1		
639 2,3,4,6-TETRACHLOROPHENOL (29#37)	0.381	0.330	0.395	0.326	0.327	0.310	4.2		
424 DIETHYL PHTHALATE (83#16) (84-65-2)	1.668	1.574	1.566	1.583	1.539	1.634	4.1		
519 ZINOPHOS (29#38)	0.442	0.430	0.420	0.445	0.411	0.432	3.4		
417 4-CHLOROPHENYL PHENYL ETHER (83#17) <7	0.610	0.625	0.581	0.607	0.608	0.589	1.5		
432 FLUORENE (83#18) (86-73-7)	0.283	0.286	0.287	0.288	0.288	0.289	1.5		
489 4-NITROANILINE (93#19) (100-01-6)	0.349	0.343	0.303	0.351	0.349	0.330	6.1		
498 5-NITRO-O-TOLIDINE (29#34)	0.454	0.394	0.397	0.351	0.399	0.389	5.1		
430 1,2-DIPHENYLHYDRAZINE (A20BENZENE) (29	1.145	2.234	2.237	2.252	2.207	2.287	6.1		
#519 2-FLUOROPHENOL (55#1)	1.008	1.374	1.301	1.390	1.435	1.294	6.0		
#513 05-PHENOL (55#2)	1.008	1.472	1.407	1.442	1.452	1.502	6.0		
#447 05-NITROBENZENE (55#3)	0.503	0.633	0.751	0.627	0.687	0.694	6.0		
#448 2-FLUOROBIPHENYL (55#4)	1.008	1.374	1.301	1.390	1.435	1.294	6.0		
#528 2,4,6-TRIBROMOPHENOL (55#5)	0.409	0.271	0.259	0.275	0.270	0.284	4.1		
#471 010-PYRENE (55#6)	1.182	1.212	1.149	1.195	1.132	1.174	4.1		
#496 014-TERPHENYL (55#7)	1.141	1.115	1.042	1.152	1.102	1.095	4.0		

RF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
 AUG RF - AVERAGE RESPONSE FACTOR  
 RRSD - PERCENT RELATIVE STANDARD DEVIATION (URS)  
 CCC - CALIBRATION CHECK COMPOUNDS (C)  
 SPEC - SYSTEM PERFORMANCE CHECK COMPOUNDS (M)  
 ++ - EITHER NOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
MUST6 HSL COMPOUNDS

CASE NO: COPPERHEN  
CONTRACT NO: MINTHUM\_AUG RF FOR SPEC IS 0.050

INSTRUMENT ID: R2  
CALIBRATION DATE: 04/07/90  
MAXIMUM % RSD FOR OCC IS 30

COMPOUND	RF (20)	RF (30)	RF (60)	RF (120)	RF (150)	Avg RF	RPSD	OCC % SPECIM	P/F
604 4,5-DINITRO-2-NETRYLPHENOL (04#2) (0534)	0.095	0.129	0.125	0.143	0.136	0.126	14.5		
443 N-NITROSODIPHENYLAMINE (04#3) (06-30-6	0.630	0.618	0.609	0.624	0.612	0.620	1.7	*	PASS
547 DIPHENYLAMINE (F3#3)	0.535	0.510	0.509	0.524	0.512	0.520	1.7		
508 1,3,5-TRINITROBENZENE (29#41)	0.076	0.090	0.093	0.112	0.101	0.096	6.0		
539 PHENACETIN (29#42) (63-44-2)	0.461	0.502	0.503	0.546	0.502	0.503	4.5		
414 4-BROMOPHENYL PHENYL ETHER (04#4) (101	0.256	0.277	0.279	0.290	0.293	0.271	4.5		
541 DINITRATE (TRANS ISOMER)	0.149	0.159	0.153	0.157	0.146	0.150	2.7		
433 HEXACHLOROBENZENE (04#5) (118-74-1)	0.370	0.382	0.375	0.381	0.401	0.374	4.4		
485 4-AMINOBIPIRYL (29#45)	0.647	0.414	0.419	0.697	0.408	0.424	4.0		
522 PIPERAMIDE (29#46)	0.425	0.414	0.419	0.415	0.408	0.424	4.0		
609 PENTACHLOROPHENOL (04#6) (87-96-5)	0.115	0.169	0.168	0.191	0.201	0.169	19.6	*	PASS
453 BENZYL DIPHENYLAMINE (29#47)	0.164	0.173	0.163	0.174	0.180	0.169	7.1		
444 ANTHRACENE (04#7) (95-01-8)	1.166	1.114	1.149	1.146	1.331	1.183	19.9		
426 DI-N-BUTYL PHTHALATE (04#9) (84-74-2)	1.617	1.172	1.668	1.146	1.674	1.630	14.0		
516 NETHAPYRILENE (29#49)	0.381	0.407	0.535	0.567	0.605	0.499	19.9		
549 CYCLOPHOSPHAMIDE (29#49)	0.048	0.059	0.056	0.046	0.049	0.052	10.7		
431 FLUORANTHENE (04#10) (206-44-0)	1.135	1.167	1.215	1.125	1.298	1.214	26.0	*	PASS
484 BENZOIOL (05#2) (92-87-5)	0.151	0.085	0.202	0.162	0.137	0.153	2.0		
445 PYRENE (05#3) (123-00-0)	1.368	1.357	1.481	1.324	1.451	1.347	22.0		
461 P-DIMETHYLANINOZOBENZENE (29#51)	0.251	0.269	0.267	0.256	0.262	0.253	2.3		
523 CHLORSELEPHATE (29#52)	0.475	0.506	0.507	0.489	0.487	0.493	4.4		
545 3,3'-DIMETHYLBENZIDOLE (29#53)	0.479	0.452	0.477	0.445	0.457	0.457	4.4		
415 BUTYLBENZYL PHTHALATE (05#4) (85-68-7)	0.701	0.692	0.797	0.780	0.946	0.803	11.7		
488 2-ACETYLAMINO FLUORENE (F5#2)	0.395	0.470	0.495	0.440	0.523	0.450	11.7		
468 4,4'-METHYLENE-BIS(2-CHLOROPHTHALINE) (2	0.183	0.212	0.204	0.206	0.200	0.200	6.1		
423 3,3'-DICHLOROBENZIDINE (05#5) (51-94-1	0.261	0.311	0.312	0.299	0.324	0.301	6.1		
232 DIMETHOXYBENZIDINE (29#57)	0.215	0.176	0.273	0.242	0.270	0.235	17.4		
413 BIS(2-ETHYLHEXYL) PHTHALATE (05#7) (11	1.019	1.152	1.158	1.142	1.160	1.130	17.4		
405 BENZO(A)ANTHRACENE (05#6) (56-55-3)	1.107	1.059	1.089	1.109	1.099	1.097	7.7		
418 CHRSENE (05#8) (218-01-9)	0.942	0.972	0.981	1.010	1.013	0.985	7.0		
429 DI-N-OCTYL PHTHALATE (06#2) (117-84-0)	1.672	1.674	1.819	1.685	1.910	1.806	33.0	*	PASS
401 BENZO(B)FLUORANTHENE (06#3) (205-99-2)	0.063	0.074	0.069	0.065	0.061	0.065	3.0		
517 7,12-DIMETHYLBENZHANTHRENE (29#55)	0.531	0.508	0.579	0.539	0.592	0.570	9.1		
409 BENZO(K)FLUORANTHENE (06#4) (267-68-9)	0.063	0.074	0.069	0.065	0.061	0.065	3.0		
406 BENZO(A)PTERENE (05#5) (50-32-8)	1.012	1.119	1.081	1.141	1.127	1.092	4.4	*	PASS
555 3-METHYLCHLORANTHRENE (F6#2)	0.581	0.652	0.650	0.684	0.673	0.649	6.2		

RF = RESPONSE FACTOR (AMOUNT IN HANDBOOKS)  
AUG RF = AVERAGE RESPONSE FACTOR  
RSD = PERCENT RELATIVE STANDARD DEVIATION (%)

OCC = CALIBRATION CHECK COMPOUNDS (X)  
SPEC = SYSTEM PERFORMANCE CHECK COMPOUNDS (X)  
+ = EITHER NOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
M8516 HSL COMPOUNDS

PAGE 2

CASE NO: COMPUCHEN  
CONTRACTOR: COMPUCHEN  
CONTRACT NO: NINIHUM

INSTRUMENT ID: 87  
CALIBRATION DATE: 04/07/99

AUG RF FOR SPCC 15 B.050

MAXIMUM % RSD FOR CCC 15 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (150)	AUG RF	SPSD	CCC #	RF
266 DISEMEO(A,J)ACRIDINE	0.904	1.015	0.942	0.951	1.014	0.957	5.0		
437 TIBEMEO(1,2,3-C,0)PYRENE (GENS)	1.304	1.365	1.357	1.311	1.354	1.330	3.0		
419 TIBEMEO(A,H)NITHRACENE (GEN)	1.062	1.147	1.062	1.091	1.130	1.106	3.5		
408 BENEO(G,H,1)PERYLENE (GEN)	0.973	0.992	0.954	0.957	0.945	0.925	6.0		
575 DIALDATE (CIS ISOMER)	0.194	0.212	0.214	0.212	0.217	0.210	4.4		

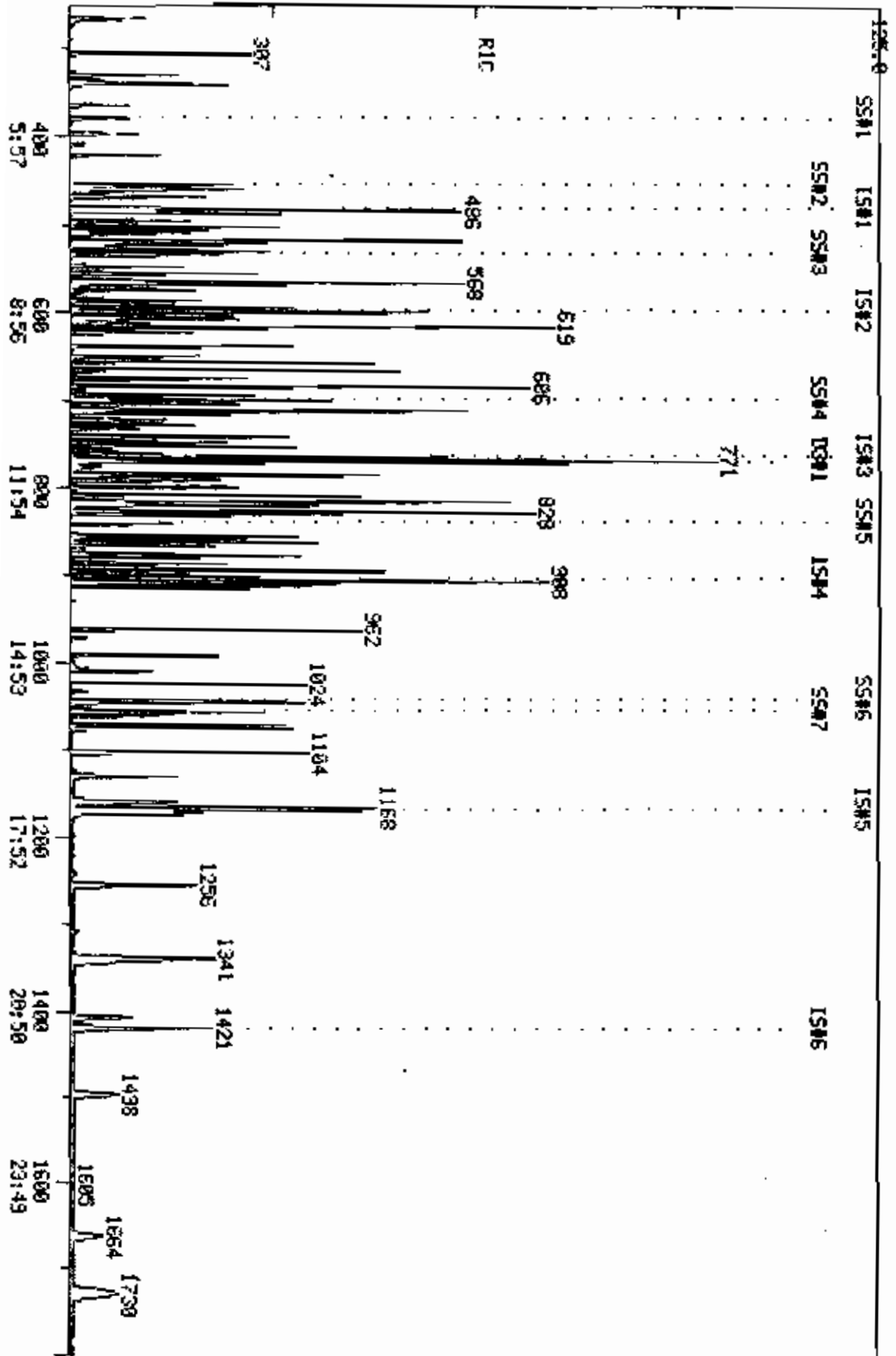
RF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
AUG RF - AVERAGE RESPONSE FACTOR  
SPSD - PERCENT RELATIVE STANDARD DEVIATION (RS)

CCC - CALIBRATION CHECK COMPOUNDS (C)  
SPCC - SYSTEM PERFORMANCE CHECK COMPOUNDS (C)  
++ - EITHER NOT DETECTABLE OR SATURATED

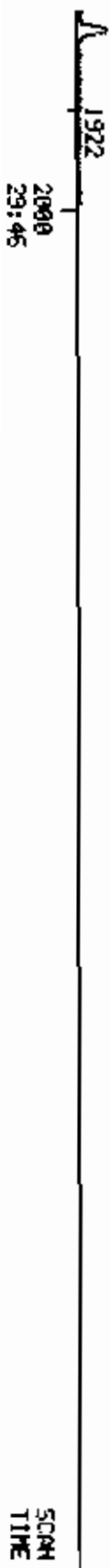


RIC  
 04/07/90 15:43:00  
 SAMPLE: ZUL 8270510020 VERSION 111 31257(2305)  
 COND5.1

COMPUTHER LABS  
 COMPUTHER DATA: HH390407007 SQWMS 251 TO 1801  
 OUT OF 251 TO 2009



COMPUCHEN LABS  
COMPUCHEN DATA: HPC90407A07 SCANS 1001 TO 2000  
OUT OF 251 TO 2000  
R1C  
04/07/90 15:43:00  
SAMPLE: 2UL 82705TD020 VERSION 111 31257(2396)  
COND5.1  
6866880.



QUANTITATION REPORT FILE: HH900407A07  
DATA: HH900407A07.TI  
04/07/90 15:43:00  
SAMPLE: 2VL 8270STD020 VERSION III 31257(2386)  
CONDS.:  
SUBMITTED BY: #07 ANALYST: 1591

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 D8-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE (T2#3)
34	438 ISOPHORONE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLOROANILINE (Q2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-49-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#19) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITRO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (G2#12) <99-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 DIO-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (G3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (G3#19) <606-20-2>
74	402 ACENAPHTHYLENE (G3#8) <208-96-8>
75	479 3-NITROANILINE (G3#9) <99-09-2>
76	401 ACENAPHTHENE (G3#10) <83-32-9>
77	8605 2,4-DINITROPHENOL (G3#11) <51-28-4>
78	607 4-NITROPHENOL (G3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
80	476 DIBENZOFURAN (G3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
86	519 ZINDPHOB (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7009-72-3>
88	432 FLUORENE (G3#18) <86-73-7>
89	480 4-NITROANILINE (G3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (I8#4)
93	*459 D12-CHRYSENE (I5#5)
94	*497 D12-PERYLENE (I8#6)
95	8619 2-FLUOROPHENOL (S5#1)
96	8612 D5-PHENOL (S5#2)
97	8447 O5-NITROBENZENE (S5#3)
98	8448 2-FLUOROBIPHENYL (S5#4)
99	8628 2,4,6-TRIBROMOPHENOL (S5#5)
100	8471 O10-PYRENE (S5#6)
101	*496 D14-TERPHENYL (S5#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	%TOT
1	152	485	7:13	1	1.000	A BB	73716.	40.000 NG	1.67
2	42	267	3:58	1	0.551	A BV	25988.	10.984 NG	0.46
3	79	268	3:59	1	0.553	A BB	37012.	16.265 NG	0.68
4	69	307	4:34	1	0.633	A BB	45372.	19.516 NG	0.82
5	89	307	4:34	1	0.633	A BB	8848.	14.681 NG	0.61
6	93	331	4:56	1	0.682	A BB	44876.	17.969 NG	0.75
7	88	342	5:05	1	0.705	A BB	75752.	136.239 NG	5.69
8	80	366	5:27	1	0.755	A BB	32100.	13.234 NG	0.55
9	102	398	5:55	1	0.821	A BB	22432.	19.810 NG	0.83
10	109	422	6:17	1	0.870	A BB	23196.	17.482 NG	0.73
11	94	456	6:47	1	0.940	A BV	46316.	13.511 NG	0.56
12	73	459	6:50	1	0.946	A BV	61192.	14.900 NG	0.62
13	167	461	6:52	1	0.951	A BB	21676.	17.266 NG	0.72
14	93	464	6:54	1	0.957	A VB	45572.	15.838 NG	0.66
15	128	470	7:00	1	0.969	A BB	52588.	16.977 NG	0.71
16	146	482	7:10	1	0.994	A BV	57488.	19.171 NG	0.80
17	91	487	7:15	1	1.004	A BV	125036.	20.103 NG	0.84
18	146	487	7:15	1	1.004	A VB	57944.	20.289 NG	0.85
19	108	497	7:24	1	1.025	A BV	25018.	14.854 NG	0.62
20	146	503	7:29	1	1.037	A BB	49172.	16.987 NG	0.71
21	108	508	7:34	1	1.047	A VB	43536.	18.751 NG	0.78
22	45	511	7:36	1	1.054	A BB	47804.	18.679 NG	0.78
23	108	520	7:44	1	1.072	A BB <sup>44%)</sup>	89806.	49.363 NG	2.06
24	108	520	7:44	1	1.072	A BB <sup>44%)</sup>	89806.	49.363 NG	2.06
25	100	519	7:43	1	1.070	A BB	19936.	21.743 NG	0.91
26	116	521	7:45	1	1.074	A BB	10980.	23.023 NG	0.96
27	105	521	7:45	1	1.074	A BB	78872.	26.123 NG	1.09
28	70	523	7:47	1	1.078	A BB	39916.	22.517 NG	0.94
29	106	525	7:49	1	1.082	A BB	50096.	18.642 NG	0.78
30	117	531	7:54	1	1.095	A BB	31036.	17.604 NG	0.74
31	136	600	8:56	31	1.000	A BB	227432.	40.000 NG	1.67
32	77	537	8:00	31	0.895	A BB	65008.	20.942 NG	0.87
33	114	550	8:11	31	0.917	A BB	21960.	20.365 NG	0.85
34	82	558	8:18	31	0.930	A BB	114804.	20.731 NG	0.87
35	107	568	8:27	31	0.947	A BB	55208.	22.983 NG	0.96
36	139	566	8:25	31	0.943	A BB	25428.	18.544 NG	0.77
37	180	568	8:27	31	0.947	A BB	50244.	24.064 NG	1.01
38	125	570	8:29	31	0.950	A BV	99880.	21.869 NG	0.91
39	122	573	8:32	31	0.955	M XX	8244.	10.609 NG	0.44
40	73	577	8:35	31	0.962	A BB	55480.	20.345 NG	0.85
41	162	588	8:45	31	0.980	A BB	33416.	17.947 NG	0.75
42	180	596	8:52	31	0.993	A BB	46332.	19.425 NG	0.81
43	128	602	8:58	31	1.003	A BV	132836.	19.828 NG	0.83
44	127	607	9:02	31	1.012	A BB	58304.	20.540 NG	0.86
45	162	609	9:04	31	1.015	A BB	40068.	21.008 NG	0.88
46	108	601	8:57	31	1.002	A BB	43752.	151.618 NG	6.33
47	91	649.5A	9:13	31	1.032	A BB	1128 618.	6.269 NG	0.26
48	213	614	9:08	31	1.023	A BB	15436.	9.597 NG	0.40
49	225	619	9:13	31	1.032	A BB	34980.	21.109 NG	0.88
50	180	619	9:13	31	1.032	A BB	44800.	24.897 NG	1.04
51	159	624	9:17	31	1.040	A BB	46540.	14.094 NG	0.59
52	84	640	9:32	31	1.067	A BB	40488.	37.804 NG	1.58
53	107	651	9:41	31	1.085	A BB	48932.	19.120 NG	0.80
54	108	651	9:41	31	1.085	M XX	4176.	6.260 NG	0.26
55	162	658	9:48	31	1.097	A BB	37976.	21.765 NG	0.91
56	108	658	9:48	31	1.097	A BB	6644.	9.041 NG	0.38

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
57	142	667	9:56	31	1.112	A BB	117468.	20.103 NG	0.84
58	142	677	10:05	31	1.128	A BB	92988.	16.883 NG	0.71
59	164	768	11:26	59	1.000	A BB	147172.	40.000 NG	1.67
60	216	686	10:13	59	0.893	A BB	103704.	43.970 NG	1.84
61	216	686	10:13	59	0.893	A BB	103704.) <sup>cr</sup>	43.970 NG	1.84
62	237	688	10:14	59	0.896	A BB	4064.	4.087 NG	0.17
63	196	695	10:21	59	0.905	A BV	27504.	17.386 NG	0.73
64	196	699	10:24	59	0.910	A VB	28568.	19.253 NG	0.80
65	162	706	10:30	59	0.919	A BB	31988.	17.548 NG	0.73
66	162	713	10:37	59	0.928	A BV	97876.	20.661 NG	0.86
67	162	716	10:39	59	0.932	A VB	70804.	20.365 NG	0.85
68	216	714	10:38	59	0.930	A BB	50420.	21.644 NG	0.90
69	63	723	10:46	59	0.941	A BB	32120.	19.184 NG	0.80
70	158	729	10:51	59	0.949	A BB	23640.	36.041 NG	1.51
71	168	733	10:55	59	0.954	A BB	14132.	17.079 NG	0.71
72	163	742	11:03	59	0.966	A BB	105316.	21.341 NG	0.89
73	163	749	11:09	59	0.975	A BB	20980.	18.138 NG	0.76
74	152	753	11:12	59	0.980	A BB	124256.	19.514 NG	0.82
75	138	762	11:20	59	0.992	A BB	20924.	17.922 NG	0.75
76	193	771	11:29	59	1.004	A BB	81872.	19.646 NG	0.82
77	184	772	11:29	59	1.005	A BB	6316.	13.747 NG	0.57
78	109	778	11:35	59	1.013	A BV	17552.	16.424 NG	0.69
79	163	786	11:42	59	1.023	A BB	31108.	21.302 NG	0.89
80	168	785	11:41	59	1.022	A BB	114056.	19.819 NG	0.83
81	250	788	11:44	59	1.026	A BB	50852.	23.792 NG	0.99
82	143	793	11:48	59	1.033	A BV	73704.	18.681 NG	0.78
83	143	799	11:54	59	1.040	A VB	68140.	18.264 NG	0.76
84	232	800	11:54	59	1.042	A BB	22176.	18.448 NG	0.77
85	149	809	12:02	59	1.053	A BB	122160.	21.588 NG	0.90
86	97	817	12:10	59	1.064	A BB	32560.	21.516 NG	0.90
87	204	817	12:10	59	1.064	A BB	44904.	20.343 NG	0.85
88	166	818	12:10	59	1.065	A BB	94324.	22.080 NG	0.92
89	138	820	12:12	59	1.068	A BV	20256.	19.227 NG	0.80
90	152	820	12:12	59	1.068	A BV	25612.	23.429 NG	0.98
91	77	832	12:23	59	1.083	A VB	180560.	23.398 NG	0.98
92	188	908	13:31	92	1.000	A BB	245260.	40.000 NG	1.67
93	240	1171	17:26	93	1.000	A BB	211380.	40.000 NG	1.67
94	264	1421	21:09	94	1.000	A BB	193776.	40.000 NG	1.67
95	112	381	3:40	1	0.786	A BB	37164.	14.053 NG	0.59
96	99	455	6:46	1	0.938	A BB	57140.	18.769 NG	0.78
97	82	535	7:58	31	0.892	A BB	62928.	19.369 NG	0.81
98	172	702	10:27	59	0.914	A BB	92456.	20.067 NG	0.84
99	330	842	12:32	59	1.096	A BB	18316.	19.511 NG	0.82
100	212	1044	15:32	93	0.892	A BB	124880.	21.058 NG	0.88
101	244	1097	19:44	93	0.903	A BB	120640.	21.640 NG	0.90

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:11	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:58	1.00	10.000	0.06	10.98	160.00	0.088	1.284	0.07
3	3:58	1.01	10.000	0.06	16.26	160.00	0.126	1.235	0.10
4	4:32	1.01	10.000	0.06	19.52	160.00	0.134	1.262	0.12
5	4:32	1.01	10.000	0.06	14.68	160.00	0.030	0.327	0.09
6	4:54	1.01	20.000	0.03	17.97	160.00	0.152	1.355	0.11
7	5:04	1.01	10.000	0.07	136.24	640.00	0.064	0.302	0.21
8	5:26	1.00	10.000	0.08	13.23	160.00	0.109	1.316	0.08
9	5:59	1.00	10.000	0.08	19.81	160.00	0.076	0.614	0.12

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:16	1.00	10.000	0.09	17.48	160.00	0.079	0.720	0.11
11	6:46	1.00	10.000	0.09	13.51	160.00	0.157	1.860	0.08
12	6:49	1.00	10.000	0.09	14.90	160.00	0.208	2.229	0.09
13	6:50	1.00	10.000	0.10	17.27	160.00	0.074	0.681	0.11
14	6:53	1.00	20.000	0.05	19.84	160.00	0.155	1.561	0.10
15	6:58	1.00	10.000	0.10	16.98	160.00	0.178	1.681	0.11
16	7:10	1.00	10.000	0.10	19.17	160.00	0.195	1.627	0.12
17	7:13	1.00	10.000	0.10	20.10	160.00	0.424	3.375	0.13
18	7:13	1.00	10.000	0.10	20.29	160.00	0.197	1.550	0.13
19	7:23	1.00	10.000	0.10	14.85	160.00	0.085	0.914	0.09
20	7:27	1.00	10.000	0.10	16.79	160.00	0.167	1.571	0.11
21	7:33	1.00	10.000	0.10	18.75	160.00	0.148	1.260	0.12
22	7:35	1.00	10.000	0.11	18.68	160.00	0.162	1.389	0.12
23	7:44	1.00	10.000	0.11	49.36	320.00	0.152	0.987	0.15
24	7:44	1.00	10.000	0.11	49.36	320.00	0.152	0.987	0.15
25	7:45	1.00	10.000	0.11	21.74	160.00	0.068	0.498	0.14
26	7:46	1.00	10.000	0.11	23.02	160.00	0.037	0.259	0.14
27	7:45	1.00	10.000	0.11	26.12	160.00	0.267	1.638	0.16
28	7:47	1.00	10.000	0.11	22.52	160.00	0.135	0.962	0.14
29	7:49	1.00	10.000	0.11	18.64	160.00	0.170	1.458	0.12
30	7:52	1.00	10.000	0.11	17.60	160.00	0.105	0.957	0.11
31	8:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:59	1.00	10.000	0.09	20.94	160.00	0.071	0.546	0.13
33	8:10	1.00	10.000	0.09	20.37	160.00	0.024	0.190	0.13
34	8:17	1.00	10.000	0.09	20.73	160.00	0.126	0.974	0.13
35	8:26	1.00	10.000	0.09	22.98	160.00	0.061	0.422	0.14
36	8:25	1.00	10.000	0.09	18.54	160.00	0.028	0.241	0.12
37	8:25	1.00	10.000	0.09	24.06	160.00	0.055	0.367	0.15
38	8:27	1.00	10.000	0.09	21.87	160.00	0.110	0.803	0.14
39	8:35	0.991	100.000	0.01	10.61	160.00	0.009	0.137	0.07
40	8:33	1.00	10.000	0.10	20.34	160.00	0.061	0.480	0.13
41	8:43	1.00	10.000	0.10	17.95	160.00	0.037	0.327	0.11
42	8:51	1.00	10.000	0.10	17.42	160.00	0.051	0.420	0.12
43	8:57	1.00	10.000	0.10	17.83	160.00	0.146	1.178	0.12
44	9:01	1.00	10.000	0.10	20.54	160.00	0.064	0.499	0.13
45	9:02	1.00	20.000	0.05	21.01	160.00	0.044	0.335	0.13
46	8:55	1.00	10.000	0.10	151.62	160.00	0.048	0.051	0.95
47	9:12	1.00	10.000	0.10	6.27	160.00	0.001	0.017	0.04
48	9:07	1.00	10.000	0.10	9.60	160.00	0.017	0.283	0.06
49	9:11	1.00	10.000	0.10	21.11	160.00	0.038	0.291	0.13
50	9:11	1.00	10.000	0.10	24.90	160.00	0.049	0.316	0.16
51	9:15	1.00	20.000	0.05	14.09	160.00	0.051	0.581	0.09
52	9:30	1.00	10.000	0.11	37.80	160.00	0.045	0.188	0.24
53	9:40	1.00	10.000	0.11	19.12	160.00	0.054	0.450	0.12
54	9:40	1.00	10.000	0.11	6.26	160.00	0.005	0.117	0.04
55	9:46	1.00	10.000	0.11	21.76	160.00	0.042	0.307	0.14
56	9:47	1.00	10.000	0.11	9.04	160.00	0.007	0.129	0.06
57	9:54	1.00	10.000	0.11	20.11	160.00	0.129	1.028	0.13
58	10:03	1.00	10.000	0.11	16.89	160.00	0.058	0.552	0.11
59	11:23	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:11	1.00	10.000	0.09	43.97	320.00	0.088	0.641	0.14
61	10:11	1.00	10.000	0.09	43.97	320.00	0.088	0.641	0.14
62	10:13	1.00	10.000	0.09	4.09	160.00	0.007	0.270	0.03
63	10:18	1.00	20.000	0.05	17.39	160.00	0.047	0.430	0.11
64	10:22	1.00	20.000	0.05	17.25	160.00	0.047	0.403	0.12
65	10:29	1.00	20.000	0.05	17.55	160.00	0.054	0.495	0.11

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:34	1.00	10.000	0.09	20.66	160.00	0.166	1.288	0.13
67	10:38	1.00	10.000	0.09	20.37	160.00	0.120	0.945	0.13
68	10:39	1.00	10.000	0.09	21.64	160.00	0.086	0.633	0.14
69	10:44	1.00	10.000	0.09	19.18	160.00	0.055	0.455	0.12
70	10:48	1.00	20.000	0.05	36.04	160.00	0.040	0.178	0.23
71	10:53	1.00	20.000	0.05	17.08	160.00	0.024	0.225	0.11
72	11:01	1.00	10.000	0.10	21.34	160.00	0.179	1.344	0.13
73	11:07	1.00	10.000	0.10	18.14	160.00	0.036	0.314	0.11
74	11:10	1.00	10.000	0.10	19.51	160.00	0.211	1.731	0.12
75	11:19	1.00	20.000	0.05	17.92	160.00	0.036	0.317	0.11
76	11:26	1.00	10.000	0.10	19.65	160.00	0.139	1.133	0.12
77	11:28	1.00	40.000	0.03	13.75	160.00	0.011	0.129	0.09
78	11:33	1.00	10.000	0.10	16.42	160.00	0.030	0.290	0.10
79	11:40	1.00	10.000	0.10	21.30	160.00	0.053	0.397	0.13
80	11:39	1.00	10.000	0.10	19.82	160.00	0.194	1.564	0.12
81	11:41	1.00	10.000	0.10	23.79	160.00	0.086	0.581	0.15
82	11:49	1.00	20.000	0.05	18.68	160.00	0.125	1.072	0.12
83	11:52	1.00	20.000	0.05	18.26	160.00	0.116	1.014	0.11
84	11:53	1.00	20.000	0.05	18.43	160.00	0.038	0.327	0.12
85	12:01	1.00	10.000	0.11	21.59	160.00	0.208	1.538	0.13
86	12:08	1.00	10.000	0.11	21.52	160.00	0.055	0.411	0.13
87	12:07	1.00	10.000	0.11	20.34	160.00	0.076	0.600	0.13
88	12:09	1.00	10.000	0.11	22.08	160.00	0.160	1.161	0.14
89	12:11	1.00	20.000	0.05	19.23	160.00	0.034	0.286	0.12
90	12:10	1.00	20.000	0.05	23.43	160.00	0.044	0.297	0.13
91	12:20	1.00	10.000	0.11	23.40	160.00	0.307	2.097	0.15
92	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:29	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:38	1.01	0.742	1.06	14.05	160.00	0.126	1.435	0.09
96	6:45	1.00	0.948	0.99	18.77	160.00	0.194	1.652	0.12
97	7:57	1.00	0.875	1.02	19.37	160.00	0.069	0.571	0.12
98	10:25	1.00	0.906	1.01	20.07	160.00	0.157	1.252	0.13
99	12:30	1.00	1.118	0.98	19.51	160.00	0.031	0.255	0.12
100	15:31	1.00	10.000	0.09	21.06	160.00	0.148	1.122	0.13
101	15:43	1.00	0.907	1.00	21.64	160.00	0.143	1.055	0.14



QUANTITATION REPORT FILE: HH900407A07  
DATA: HH900407A07.TI  
04/07/90 15:43:00  
SAMPLE: ZUL B270STD020 VERSION III 31257(2356)  
CONDS.:  
SUBMITTED BY: #07 ANALYST: 1591

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

NO	NAME
1	*467 010-PHENANTHRENE (IS#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-92-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (P3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-99-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) <89-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (IS#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUYLBENZYL PHTHALATE (G5#4) <65-68-7>
29	488 2-ACETYLAMINO FLUORENE (F3#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D12-PERYLENE (IS#6)
37	429 01-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <209-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	188	908	13:31	1	1.000	A BB	245260.	40.000 NG	9.83
2	198	825	12:17	1	0.909	A BB	11712.	4.405 NG	1.08
3	169	828	12:19	1	0.912	A BB	155848.	12.972 NG	3.19
4	169	828	12:19	1	0.912	A BB	155848.	12.972 NG	3.19
5	213	855	12:44	1	0.942	A BB	9296.	4.640 NG	1.14
6	108	858	12:46	1	0.945	A BB	56540.	5.757 NG	1.42
7	248	863	12:51	1	0.950	A BB	31356.	5.657 NG	1.39
8	234	858	12:46	1	0.945	A BB	9212.	2.564 NG	0.63
9	125	876	13:02	1	0.965	A BB	18252.	6.353 NG	1.56
10	284	879	13:05	1	0.968	A BB	45408.	5.769 NG	1.42
11	169	888	13:13	1	0.978	A BV	79292.	5.705 NG	1.40
12	173	895	13:19	1	0.986	A BB	52100.	6.502 NG	1.60
13	266	894	13:18	1	0.985	A BB	14132.	3.585 NG	0.88
14	237	902	13:25	1	0.993	A BB	20144.	6.196 NG	1.52
15	178	910	13:33	1	1.002	A BV	135648.	5.194 NG	1.28
16	178	914	13:36	1	1.007	A VB	136752.	6.500 NG	1.60
17	149	962	14:19	1	1.059	A BB	198256.	6.184 NG	1.52
18	97	992	14:46	1	1.093	A BB	46756.	3.938 NG	0.97
19	211	1010	15:02	1	1.112	A BB	23448.	24.628 NG	6.05
20	202	1024	15:14	1	1.128	A BB	139148.	5.466 NG	1.34
21	240	1171	17:26	21	1.000	A BB	211380.	40.000 NG	9.83
22	184	1033	15:22	21	0.892	A BB	15952.	5.634 NG	1.39
23	202	1046	15:34	21	0.893	A BB	144332.	6.832 NG	1.68
24	185	1062	15:48	21	0.907	A BB	13360.	5.149 NG	1.27
25	225	1072	15:57	21	0.915	A BB	26512.	6.743 NG	1.66
26	139	1076	16:01	21	0.919	A BB	81692.	6.004 NG	1.48
27	212	1102	16:24	21	0.941	A BB	50624.	6.547 NG	1.61
28	149	1104	16:26	21	0.943	A BB	79372.	5.548 NG	1.36
29	181	1131	16:50	21	0.966	A BB	40732.	4.609 NG	1.13
30	231	1161	17:17	21	0.991	A BB	19324.	5.195 NG	1.28
31	252	1162	17:18	21	0.992	A BB	27544.	5.032 NG	1.24
32	244	1159	17:15	21	0.990	A BB	22704.	4.969 NG	1.22
33	149	1168	17:23	21	0.997	A BB	107720.	5.490 NG	1.35
34	228	1169	17:24	21	0.998	A BV	117004.	6.296 NG	1.55
35	228	1174	17:28	21	1.003	A VB	99608.	5.782 NG	1.42
36	264	1421	21:09	36	1.000	A BB	193776.	40.000 NG	9.83
37	149	1256	18:42	36	0.884	A BB	157108.	5.584 NG	1.37
38	252	1340	19:57	36	0.943	A BB	167320.	11.859 NG	2.92
39	256	1341	19:58	36	0.944	A BB	51420.	5.600 NG	1.38
40	252	1340	19:57	36	0.943	A BB	167320.	11.859 NG	2.92
41	252	1408	20:57	36	0.991	A BV	98036.	5.612 NG	1.38
42	268	1498	22:18	36	1.054	A BB	56264.	5.394 NG	1.33
43	279	1664	24:46	36	1.171	A BB	87608.	5.571 NG	1.37
44	276	1727	25:42	36	1.215	A BB	126348.	6.019 NG	1.48
45	278	1732	25:47	36	1.219	A BB	104812.	5.882 NG	1.45
46	276	1821	27:06	36	1.281	A BB	84594.	5.768 NG	1.42
47	234	867	12:54	1	0.955	A BB	11888.	2.795 NG	0.69

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:16	1.00	30.000	0.03	4.40	50.00	0.038	0.434	0.09
3	12:18	1.00	10.000	0.09	12.97	100.00	0.254	1.959	0.13
4	12:18	1.00	10.000	0.09	12.97	100.00	0.254	1.959	0.13

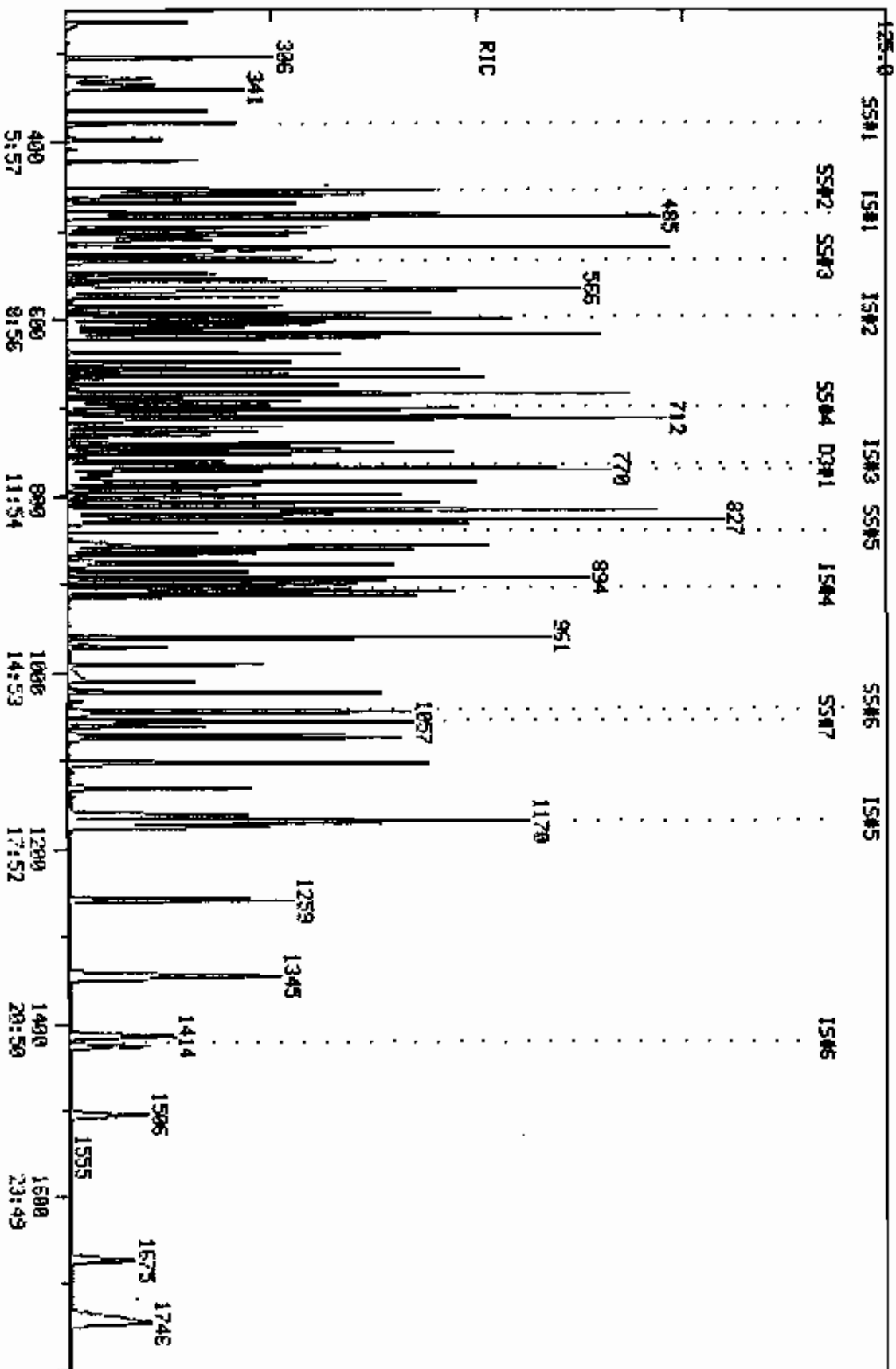
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:42	1.00	20.000	0.05	4.64	50.00	0.030	0.327	0.09
6	12:44	1.00	10.000	0.09	5.76	50.00	0.184	1.602	0.12
7	12:48	1.00	10.000	0.10	5.66	50.00	0.102	0.904	0.11
8	12:44	1.00	10.000	0.09	2.56	25.00	0.060	0.586	0.10
9	13:00	1.00	10.000	0.10	6.35	50.00	0.060	0.469	0.13
10	13:02	1.00	10.000	0.10	5.77	50.00	0.148	1.284	0.12
11	13:10	1.00	10.000	0.10	5.70	50.00	0.259	2.267	0.11
12	13:17	1.00	10.000	0.10	6.50	50.00	0.170	1.307	0.13
13	13:17	1.00	20.000	0.05	3.59	50.00	0.046	0.643	0.07
14	13:24	1.00	10.000	0.10	6.20	50.00	0.066	0.530	0.12
15	13:31	1.00	10.000	0.10	5.19	50.00	0.442	4.259	0.10
16	13:34	1.00	10.000	0.10	6.50	50.00	0.446	3.431	0.13
17	14:17	1.00	10.000	0.11	6.18	50.00	0.647	5.229	0.12
18	14:45	1.00	20.000	0.05	3.94	50.00	0.153	1.936	0.08
19	15:02	1.00	50.000	0.02	24.63	200.00	0.019	0.155	0.12
20	15:13	1.00	10.000	0.11	5.47	50.00	0.454	4.152	0.11
21	17:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:21	1.00	10.000	0.09	5.63	50.00	0.060	0.536	0.11
23	15:32	1.00	10.000	0.09	6.83	50.00	0.547	4.003	0.14
24	15:47	1.00	20.000	0.05	5.15	50.00	0.051	0.491	0.10
25	15:56	1.00	10.000	0.09	6.74	50.00	0.100	0.744	0.13
26	15:59	1.00	10.000	0.09	6.00	50.00	0.309	2.575	0.12
27	16:23	1.00	20.000	0.05	6.55	50.00	0.192	1.463	0.13
28	16:25	1.00	10.000	0.09	5.55	50.00	0.300	2.707	0.11
29	16:50	1.00	10.000	0.10	4.61	50.00	0.154	1.672	0.09
30	17:17	1.00	10.000	0.10	5.19	50.00	0.073	0.704	0.10
31	17:18	1.00	10.000	0.10	5.03	50.00	0.104	1.036	0.10
32	17:15	1.00	10.000	0.10	4.97	50.00	0.086	0.865	0.10
33	17:22	1.00	10.000	0.10	5.49	50.00	0.408	3.713	0.11
34	17:24	1.00	10.000	0.10	6.30	50.00	0.443	3.517	0.13
35	17:28	1.00	10.000	0.10	5.78	50.00	0.377	3.260	0.12
36	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:43	1.00	10.000	0.09	5.58	50.00	0.649	5.808	0.11
38	19:59	1.00	10.000	0.09	11.86	100.00	0.345	2.912	0.12
39	20:00	1.00	10.000	0.09	5.60	50.00	0.212	1.895	0.11
40	19:59	1.00	10.000	0.09	11.86	100.00	0.345	2.912	0.12
41	21:00	1.00	10.000	0.10	5.61	50.00	0.405	3.606	0.11
42	22:21	1.00	10.000	0.11	5.39	50.00	0.232	2.153	0.11
43	24:50	1.00	10.000	0.12	5.57	50.00	0.362	3.246	0.11
44	25:46	1.00	10.000	0.12	6.02	50.00	0.522	4.333	0.12
45	25:52	1.00	10.000	0.12	5.88	50.00	0.433	3.678	0.12
46	27:09	1.00	10.000	0.13	5.77	50.00	0.349	3.027	0.12
47	12:52	1.00	10.000	0.10	2.79	25.00	0.078	0.694	0.11

COMPUCHEN L685

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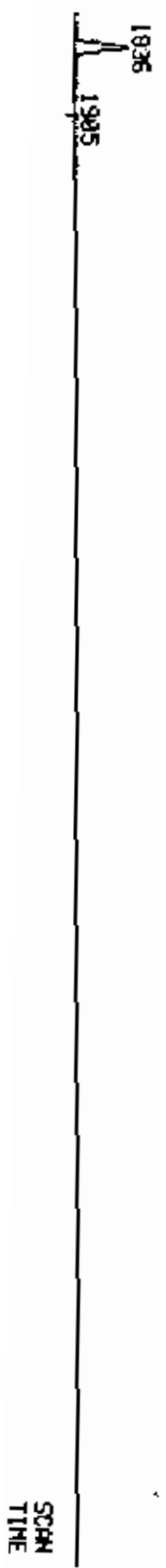
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OUT OF 251 TO 1970



RIC  
04/07/90 16:55:00  
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COND5:1

COMPUchem LABS  
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OUT OF 251 TO 1970  
1919990.



QUANTITATION REPORT FILE: HJ900407A07  
DATA: HJ900407A07.TI  
04/07/90 16:55:00  
SAMPLE: ZUL B2709TD050 3125B(2387)  
CONDS.:  
SUBMITTED BY: #07 ANALYBT: J591

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-79-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10995-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSDIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <39-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSPYPERIDINE (T2#3)
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	623 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLORDANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 D-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <93-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3#11) <91-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 OIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (A2OBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (I8#4)
93	*459 D12-CHRYSENE (I8#5)
94	*497 D12-PERYLENE (I8#6)
95	6619 2-FLUOROPHENOL (S5#1)
96	6612 D5-PHENOL (S5#2)
97	6447 D5-NITROBENZENE (S5#3)
98	6448 2-FLUOROBIPHENYL (S5#4)
99	6628 2,4,6-TRIBROMOPHENOL (S5#5)
100	6471 D10-PYRENE (S5#6)
101	6496 D14-TERPHENYL (S5#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	ZTOT
1	152	484	7:12	1	1.000	A BB	127920.	40.000 NO	0.71
2	42	267	3:58	1	0.552	A BB	152316.	37.098 NO	0.66
3	79	266	3:58	1	0.550	A BB	131492.	33.298 NO	0.59
4	69	306	4:33	1	0.632	A BB	154924.	38.401 NO	0.68
5	89	306	4:33	1	0.632	A BB	36936.	35.317 NO	0.63
6	93	329	4:54	1	0.680	A BB	172396.	39.780 NO	0.71
7	88	341	5:05	1	0.705	A BV	331328.	343.392 NO	6.09
8	80	365	5:26	1	0.754	A BB	219692.	52.194 NO	0.93
9	102	397	5:55	1	0.820	A BB	95428.	48.563 NO	0.86
10	109	421	6:16	1	0.870	A BB	128552.	55.833 NO	0.99
11	94	455	6:46	1	0.940	A BV	334920.	56.300 NO	1.00
12	93	458	6:49	1	0.946	A BV	250068.	35.088 NO	0.62
13	167	459	6:50	1	0.948	A BB	95504.	43.838 NO	0.78
14	93	462	6:53	1	0.955	A VV	182664.	36.583 NO	0.65
15	128	468	6:58	1	0.967	A BB	213612.	39.740 NO	0.70
16	146	481	7:10	1	0.994	A BV	263088.	50.559 NO	0.90
17	91	485	7:13	1	1.002	A BB	469136.	43.465 NO	0.77
18	146	485	7:13	1	1.002	A VB	208540.	42.080 NO	0.75
19	108	496	7:23	1	1.025	A BV	133930.	45.825 NO	0.81
20	146	501	7:27	1	1.035	A BB	230080.	45.802 NO	0.81
21	108	507	7:33	1	1.048	A VB	194360.	48.240 NO	0.86
22	45	510	7:35	1	1.054	A BB	211044.	47.520 NO	0.84
23	108	519	7:43	1	1.072	A BV 15342	<del>263688</del> 115.198 NO	115.198 NO	2.04
24	108	519	7:43	1	1.072	A BV 15342	<del>263688</del> 115.198 NO	115.198 NO	2.04
25	100	520	7:44	1	1.074	A BB	85836.	53.948 NO	0.96
26	116	521	7:45	1	1.076	A BB	43888.	53.030 NO	0.94
27	105	520	7:44	1	1.074	A BB	276340.	52.743 NO	0.94
28	70	522	7:46	1	1.079	A BB	164804.	53.575 NO	0.95
29	106	524	7:48	1	1.083	A BB	226696.	48.614 NO	0.86
30	117	529	7:52	1	1.093	A BB	144148.	47.117 NO	0.84
31	136	599	8:55	31	1.000	A BB	396112.	40.000 NO	0.71
32	77	536	7:59	31	0.899	A VV	273491.	50.586 NO	0.90
33	114	549	8:10	31	0.917	A BB	97596.	51.967 NO	0.92
34	82	557	8:17	31	0.930	A BV	490176.	50.821 NO	0.90
35	107	567	8:26	31	0.947	A BV	239064.	57.141 NO	1.01
36	139	565	8:25	31	0.943	A BB	120612.	50.503 NO	0.90
37	180	566	8:25	31	0.945	A BB	204656.	36.279 NO	1.00
38	125	568	8:27	31	0.948	A BV	430776.	54.154 NO	0.96
39	122	575	8:33	31	0.960	A VV	88412.	65.325 NO	1.16
40	93	575	8:33	31	0.960	A BB	245180.	51.622 NO	0.92
41	162	586	8:43	31	0.978	A BB	164608.	50.759 NO	0.90
42	180	595	8:51	31	0.993	A BB	203056.	48.879 NO	0.87
43	128	601	8:57	31	1.003	A BV	602736.	51.658 NO	0.92
44	127	606	9:01	31	1.012	A VB	234920.	47.518 NO	0.84
45	162	607	9:02	31	1.013	A BB	169828.	51.126 NO	0.91
46	108	599	8:59	31	1.000	A BB	78196.	155.586 NO	2.76
47	91	622	9:15	31	1.038	A VB	17851.	104.986 NO	1.86
48	213	612	9:07	31	1.022	A BB	99472.	35.509 NO	0.63
49	225	617	9:11	31	1.030	A BB	143528.	49.730 NO	0.88
50	180	618	9:12	31	1.032	A BB	180928.	57.732 NO	1.02
51	159	623	9:16	31	1.040	A BB	279836.	48.658 NO	0.86
52	84	639	9:31	31	1.067	A BB	178196.	95.531 NO	1.69
53	107	650	9:40	31	1.085	A BV	215520.	48.353 NO	0.86
54	108	650	9:40	31	1.085	A*BB	16544.	14.240 NO	0.25
55	162	657	9:47	31	1.097	A BB	163996.	53.965 NO	0.96
56	108	657	9:47	31	1.097	M XX	436.	0.341 NO	0.01



NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
57	142	665	9:54	31	1.110	A BB	320404.	51.140 NG	0.91
58	142	676	10:04	31	1.129	A BB	243600.	44.570 NG	0.79
59	164	766	11:24	59	1.000	A BB	240668.	40.000 NG	0.71
60	216	684	10:11	59	0.893	A BB	209488 418976.45	108.631 NG	1.93
61	216	684	10:11	59	0.893	A BB	209488 418976.45	108.631 NG	1.93
62	237	687	10:13	59	0.897	A BB	20828.	12.809 NG	0.23
63	196	693	10:19	59	0.905	A BV	123844.	47.872 NG	0.85
64	196	697	10:22	59	0.910	A VB	129456.	53.352 NG	0.95
65	162	705	10:30	59	0.920	A BV	152384.	51.120 NG	0.91
66	162	712	10:36	59	0.930	A VV	409196.	52.822 NG	0.94
67	162	715	10:39	59	0.933	A VB	311972.	54.872 NG	0.97
68	216	712	10:36	59	0.930	A BB	204256.	53.618 NG	0.95
69	65	722	10:45	59	0.943	A BB	145188.	53.028 NG	0.94
70	158	727	10:49	59	0.949	A BB	116568.	108.678 NG	1.93
71	168	732	10:54	59	0.956	A BB	65100.	48.112 NG	0.85
72	163	741	11:02	59	0.967	A BB	428344.	52.979 NG	0.94
73	165	748	11:08	59	0.977	A VB	94976.	50.212 NG	0.89
74	152	752	11:12	59	0.982	A BB	553688.	53.176 NG	0.94
75	138	761	11:20	59	0.993	A BV	98360.	51.518 NG	0.91
76	153	769	11:27	59	1.004	A BB	345528.	50.702 NG	0.90
77	184	771	11:29	59	1.007	A BB	39460.	52.521 NG	0.93
78	109	776	11:33	59	1.013	A VV	85712.	49.044 NG	0.87
79	165	785	11:41	59	1.025	A BB	124476.	52.124 NG	0.92
80	168	784	11:40	59	1.023	A BB	495424.	52.644 NG	0.93
81	250	786	11:42	59	1.026	A BB	208540.	59.665 NG	1.06
82	143	791	11:46	59	1.033	A VV	230098.	35.664 NG	0.63
83	143	798	11:53	59	1.042	A VB	222707.	36.504 NG	0.65
84	232	799	11:54	59	1.043	A BB	99200.	50.464 NG	0.89
85	149	808	12:02	59	1.055	A BV	503716.	54.435 NG	0.97
86	97	817	12:10	59	1.067	A VB	131040.	52.953 NG	0.94
87	204	815	12:08	59	1.064	A BB	187948.	52.069 NG	0.92
88	166	817	12:10	59	1.067	A BB	387008.	55.398 NG	0.98
89	138	820	12:12	59	1.070	A BV	89828.	52.139 NG	0.92
90	152	819	12:11	59	1.069	A BV	103268.	57.767 NG	1.02
91	77	831	12:22	59	1.085	A VB	720241.	57.074 NG	1.01
92	188	907	13:30	92	1.000	A BB	391344.	40.000 NG	0.71
93	240	1172	17:27	93	1.000	A BB	333580.	40.000 NG	0.71
94	264	1426	21:13	94	1.000	A BB	314744.	40.000 NG	0.71
95	112	379	5:38	1	0.783	A BB	219632.	47.864 NG	0.85
96	99	434	6:45	1	0.938	A BB	227328.	43.030 NG	0.76
97	82	534	7:57	31	0.891	A BB	313396.	55.383 NG	0.98
98	172	701	10:26	59	0.915	A BB	406608.	53.968 NG	0.96
99	330	841	12:31	59	1.098	A BB	81388.	53.017 NG	0.94
100	212	1044	15:32	93	0.891	A BV	505432.	54.007 NG	0.96
101	244	1057	15:44	93	0.902	A BV	464848.	52.838 NG	0.94

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:11	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:58	1.00	10.000	0.06	37.10	160.00	0.298	1.284	0.23
3	3:58	1.00	10.000	0.05	33.30	160.00	0.257	1.235	0.21
4	4:32	1.00	10.000	0.06	38.40	160.00	0.303	1.262	0.24
5	4:32	1.00	10.000	0.06	35.32	160.00	0.072	0.327	0.22
6	4:54	1.00	20.000	0.03	39.78	160.00	0.337	1.355	0.25
7	5:04	1.00	10.000	0.07	343.39	640.00	0.162	0.302	0.54
8	5:26	1.00	10.000	0.08	52.19	160.00	0.429	1.316	0.33
9	5:55	1.00	10.000	0.08	48.56	160.00	0.186	0.614	0.30

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:16	1.00	10.000	0.09	59.83	160.00	0.251	0.720	0.39
11	6:46	1.00	10.000	0.09	56.30	160.00	0.639	1.860	0.35
12	6:49	1.00	10.000	0.09	35.09	160.00	0.489	2.229	0.22
13	6:50	1.00	10.000	0.09	43.84	160.00	0.187	0.661	0.27
14	6:53	1.00	20.000	0.05	36.58	160.00	0.357	1.561	0.23
15	6:58	1.00	10.000	0.10	39.74	160.00	0.417	1.681	0.25
16	7:10	1.00	10.000	0.10	50.56	160.00	0.914	1.627	0.32
17	7:13	1.00	10.000	0.10	43.47	160.00	0.917	3.375	0.27
18	7:13	1.00	10.000	0.10	42.08	160.00	0.408	1.350	0.26
19	7:23	1.00	10.000	0.10	45.82	160.00	0.262	0.914	0.29
20	7:27	1.00	10.000	0.10	45.80	160.00	0.450	1.571	0.29
21	7:33	1.00	10.000	0.10	48.24	160.00	0.380	1.260	0.30
22	7:35	1.00	10.000	0.11	47.52	160.00	0.412	1.389	0.30
23	7:44	1.00	10.000	0.11	115.20	320.00	0.355	0.987	0.36
24	7:44	1.00	10.000	0.11	115.20	320.00	0.355	0.987	0.36
25	7:45	1.00	10.000	0.11	53.95	160.00	0.168	0.498	0.34
26	7:46	1.00	10.000	0.11	53.03	160.00	0.086	0.299	0.33
27	7:45	1.00	10.000	0.11	52.74	160.00	0.540	1.638	0.33
28	7:47	1.00	10.000	0.11	53.58	160.00	0.322	0.962	0.33
29	7:49	1.00	10.000	0.11	48.61	160.00	0.443	1.458	0.30
30	7:52	1.00	10.000	0.11	47.12	160.00	0.282	0.957	0.29
31	8:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:59	1.00	10.000	0.09	50.59	160.00	0.173	0.546	0.32
33	8:10	1.00	10.000	0.09	51.97	160.00	0.062	0.190	0.32
34	8:17	1.00	10.000	0.09	50.82	160.00	0.309	0.974	0.32
35	8:26	1.00	10.000	0.09	57.14	160.00	0.151	0.422	0.36
36	8:25	1.00	10.000	0.09	50.50	160.00	0.076	0.241	0.32
37	8:25	1.00	10.000	0.09	56.28	160.00	0.129	0.367	0.35
38	8:27	1.00	10.000	0.09	54.15	160.00	0.272	0.803	0.34
39	8:35	1.00	100.000	0.01	69.33	160.00	0.056	0.137	0.41
40	8:33	1.00	10.000	0.10	51.62	160.00	0.155	0.480	0.32
41	8:43	1.00	10.000	0.10	50.76	160.00	0.104	0.327	0.32
42	8:51	1.00	10.000	0.10	48.88	160.00	0.128	0.420	0.31
43	8:57	1.00	10.000	0.10	51.66	160.00	0.380	1.178	0.32
44	9:01	1.00	10.000	0.10	47.52	160.00	0.148	0.499	0.30
45	9:02	1.00	20.000	0.05	51.13	160.00	0.107	0.335	0.32
46	8:58	1.00	10.000	0.10	155.59	160.00	0.049	0.051	0.97
47	9:12	1.01	10.000	0.10	104.99	160.00	0.011	0.017	0.66
48	9:07	1.00	10.000	0.10	35.51	160.00	0.063	0.283	0.22
49	9:11	1.00	10.000	0.10	49.73	160.00	0.091	0.291	0.31
50	9:11	1.00	10.000	0.10	57.73	160.00	0.114	0.316	0.36
51	9:15	1.00	20.000	0.05	48.66	160.00	0.177	0.581	0.30
52	9:30	1.00	10.000	0.11	95.53	160.00	0.112	0.188	0.60
53	9:40	1.00	10.000	0.11	48.39	160.00	0.136	0.450	0.30
54	9:40	1.00	10.000	0.11	14.24	160.00	0.010	0.117	0.09
55	9:46	1.00	10.000	0.11	53.97	160.00	0.104	0.307	0.34
56	9:47	1.00	10.000	0.11	0.34	160.00	0.000	0.129	0.00
57	9:54	1.00	10.000	0.11	51.14	160.00	0.328	1.028	0.32
58	10:03	1.00	10.000	0.11	44.57	160.00	0.154	0.552	0.28
59	11:23	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:11	1.00	10.000	0.09	108.63	320.00	0.218	0.641	0.34
61	10:11	1.00	10.000	0.09	108.63	320.00	0.218	0.641	0.34
62	10:13	1.00	10.000	0.09	12.81	160.00	0.022	0.270	0.08
63	10:18	1.00	20.000	0.05	47.87	160.00	0.129	0.430	0.30
64	10:22	1.00	20.000	0.05	53.35	160.00	0.134	0.403	0.33
65	10:29	1.00	20.000	0.05	51.12	160.00	0.158	0.495	0.32

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:34	1.00	10.000	0.09	52.82	160.00	0.425	1.288	0.33
67	10:38	1.00	10.000	0.09	54.87	160.00	0.324	0.945	0.34
68	10:35	1.00	10.000	0.09	53.62	160.00	0.212	0.633	0.34
69	10:44	1.00	10.000	0.09	53.03	160.00	0.191	0.455	0.33
70	10:48	1.00	20.000	0.05	108.68	160.00	0.121	0.178	0.68
71	10:53	1.00	20.000	0.05	48.11	160.00	0.068	0.225	0.30
72	11:01	1.00	10.000	0.10	52.98	160.00	0.445	1.344	0.33
73	11:07	1.00	10.000	0.10	50.21	160.00	0.099	0.314	0.31
74	11:10	1.00	10.000	0.10	53.18	160.00	0.575	1.731	0.33
75	11:19	1.00	20.000	0.05	51.92	160.00	0.102	0.317	0.32
76	11:26	1.00	10.000	0.10	50.70	160.00	0.359	1.133	0.32
77	11:28	1.00	40.000	0.03	52.52	160.00	0.041	0.125	0.33
78	11:33	1.00	10.000	0.10	49.04	160.00	0.089	0.290	0.31
79	11:40	1.00	10.000	0.10	52.12	160.00	0.129	0.397	0.33
80	11:39	1.00	10.000	0.10	52.64	160.00	0.515	1.564	0.33
81	11:41	1.00	10.000	0.10	59.66	160.00	0.217	0.581	0.37
82	11:45	1.00	20.000	0.05	35.66	160.00	0.239	1.072	0.22
83	11:52	1.00	20.000	0.05	36.90	160.00	0.231	1.014	0.23
84	11:53	1.00	20.000	0.05	50.46	160.00	0.103	0.327	0.32
85	12:01	1.00	10.000	0.11	54.43	160.00	0.523	1.538	0.34
86	12:08	1.00	10.000	0.11	52.95	160.00	0.136	0.411	0.33
87	12:07	1.00	10.000	0.11	52.07	160.00	0.195	0.600	0.33
88	12:09	1.00	10.000	0.11	55.40	160.00	0.402	1.161	0.35
89	12:11	1.00	20.000	0.05	52.14	160.00	0.093	0.286	0.33
90	12:10	1.00	20.000	0.05	57.77	160.00	0.107	0.297	0.36
91	12:20	1.00	10.000	0.11	57.07	160.00	0.748	2.097	0.36
92	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:38	1.00	0.742	1.06	47.84	160.00	0.429	1.435	0.30
96	6:45	1.00	0.948	0.99	43.03	160.00	0.444	1.652	0.27
97	7:57	1.00	0.875	1.02	55.38	160.00	0.198	0.571	0.35
98	10:25	1.00	0.906	1.01	53.97	160.00	0.422	1.252	0.34
99	12:30	1.00	1.118	0.98	53.02	160.00	0.085	0.255	0.33
100	15:31	1.00	10.000	0.09	54.01	160.00	0.379	1.122	0.34
101	15:43	1.00	0.907	0.99	52.84	160.00	0.348	1.055	0.33

QUANTITATION REPORT FILE: HJ900407A07  
DATA: HJ900407A07.TI  
04/07/90 16:55:00  
SAMPLE: 2UL B270STD050 31258(2387)  
CONDB.:  
SUBMITTED BY: #D7 ANALYST: 1591

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

NO	NAME
1	*467 D10-PHENANTHRENE (I5#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (I9#41)
6	539 PHENACETIN (I9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	977 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (I9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	489 4-AMINOBIPHENYL (I9#45)
12	522 PRONAMIDE (I9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (I9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAFYRILENE (I9#48)
19	549 CYCLOPHOSPHAMIDE (I9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (I5#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (I9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (I9#51)
26	523 CHLOROBENZILATE (I9#52)
27	545 3,3'-DIMETHYLBENZIDINE (I9#53)
28	419 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (I9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (I9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D12-PERYLENE (I5#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (I9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	569 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INDEND(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A,H)ANTHRACENE (G6#7) <93-70-3>
46	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 576 DIALLATE (CIS ISOMER)

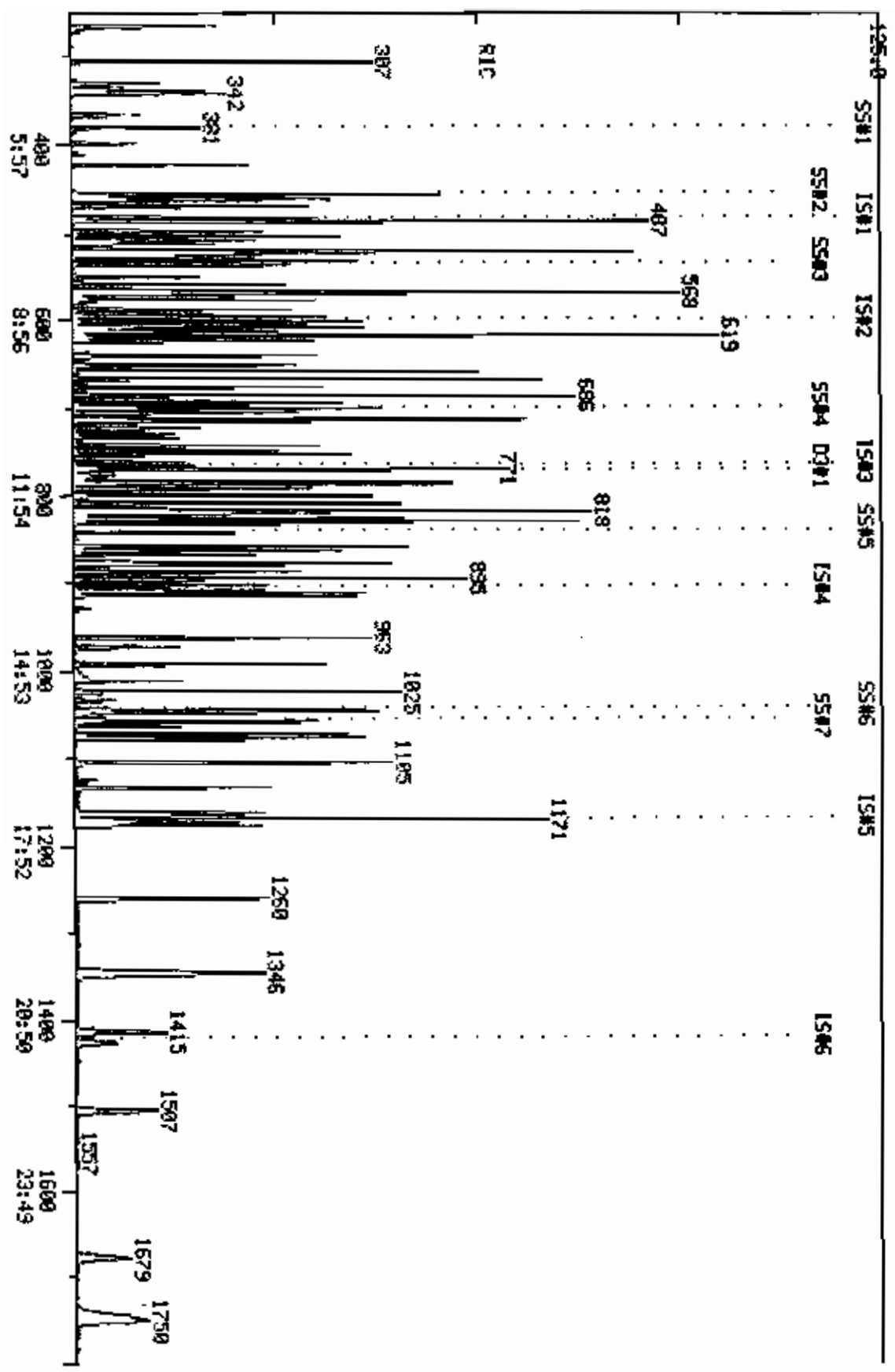
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	188	907	13:30	1	1.000	A BB	391344.	40.000 NG	4.32
2	178	829	12:17	1	0.910	A BB	62908.	14.828 NG	1.68
3	169	827	12:19	1	0.912	A BB	301444 604888	31.553 NG	3.57
4	169	827	12:19	1	0.912	A BB	301444 604888	31.553 NG	3.57
5	213	854	12:43	1	0.942	A BB	47116.	14.737 NG	1.67
6	108	897	12:49	1	0.949	A VV	245464.	19.649 NG	1.77
7	248	862	12:50	1	0.950	A BB	135444.	15.313 NG	1.73
8	234	897	12:49	1	0.949	A BB	38800.	6.768 NG	0.77
9	125	879	13:01	1	0.969	A BB	76248.	16.632 NG	1.88
10	284	877	13:03	1	0.967	A BB	177700.	14.148 NG	1.60
11	169	886	13:11	1	0.977	A VV	291216.	13.131 NG	1.49
12	173	894	13:18	1	0.986	A BB	202396.	19.830 NG	1.79
13	266	893	13:17	1	0.985	A BV	82744.	13.155 NG	1.49
14	237	901	13:29	1	0.993	A VB	84864.	16.359 NG	1.85
15	178	909	13:32	1	1.002	A BV	549124.	13.081 NG	1.48
16	178	913	13:35	1	1.007	A VB	338648.	16.046 NG	1.81
17	149	961	14:18	1	1.060	A VB	868260.	16.973 NG	1.92
18	97	991	14:45	1	1.093	A BB	199084.	10.508 NG	1.19
19	211	1011	15:03	1	1.115	A BV	115540.	76.053 NG	8.60
20	202	1023	15:14	1	1.128	A BV	570841.	14.052 NG	1.59
21	240	1172	17:27	21	1.000	A BB	333580.	40.000 NG	4.52
22	184	1032	15:22	21	0.881	A BB	35260.	7.892 NG	0.89
23	202	1045	15:33	21	0.892	A VV	566000.	16.934 NG	1.92
24	185	1061	15:47	21	0.905	A BB	37172.	13.961 NG	1.58
25	225	1071	15:56	21	0.914	A BB	112252.	18.091 NG	2.05
26	139	1075	16:00	21	0.917	A BB	335976.	15.647 NG	1.77
27	212	1102	16:24	21	0.940	A BB	188412.	15.441 NG	1.75
28	149	1104	16:26	21	0.942	A BB	346980.	15.370 NG	1.74
29	181	1132	16:51	21	0.966	A BB	195808.	14.040 NG	1.59
30	231	1162	17:18	21	0.991	A BV	88312.	15.043 NG	1.70
31	252	1164	17:19	21	0.993	A BV	129780.	15.024 NG	1.70
32	244	1160	17:16	21	0.990	A BB	73264.	10.161 NG	1.15
33	149	1169	17:24	21	0.997	A VB	481716.	15.558 NG	1.76
34	228	1170	17:29	21	0.998	A BV	438144.	15.622 NG	1.77
35	228	1176	17:30	21	1.003	A VB	407965.	15.006 NG	1.70
36	264	1426	21:13	36	1.000	A BB	314744.	40.000 NG	4.52
37	149	1259	18:44	36	0.883	A BV	737262.	16.133 NG	1.82
38	252	1344	20:00	36	0.942	A BB	3967718814.	31.367 NG	3.55
39	256	1346	20:02	36	0.944	A BB	200004.	13.411 NG	1.52
40	252	1344	20:00	36	0.942	A BB	3967718814.	31.367 NG	3.55
41	252	1413	21:02	36	0.991	A BV	440434.	15.523 NG	1.76
42	268	1506	22:29	36	1.056	A BB	256592.	15.145 NG	1.71
43	279	1675	24:56	36	1.175	A BB	399569.	15.643 NG	1.77
44	276	1739	25:53	36	1.219	A BB	537599.	15.768 NG	1.78
45	278	1746	25:59	36	1.224	A BB	451324.	15.593 NG	1.76
46	276	1836	27:20	36	1.288	A BB	390241.	16.382 NG	1.83
47	234	865	12:52	1	0.954	A BB	51972.	7.658 NG	0.87

NO	RET(L)	RATIO	RMT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:16	1.00	30.000	0.03	14.83	80.00	0.129	0.434	0.30
3	12:18	1.00	10.000	0.09	31.55	100.00	0.618	1.959	0.32
4	12:18	1.00	10.000	0.09	31.55	100.00	0.618	1.959	0.32

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:42	1.00	20.000	0.05	14.74	90.00	0.096	0.327	0.29
6	12:44	1.00	10.000	0.09	15.66	50.00	0.902	1.602	0.31
7	12:48	1.00	10.000	0.10	15.31	90.00	0.277	0.904	0.31
8	12:44	1.00	10.000	0.09	6.77	25.00	0.159	0.586	0.27
9	13:00	1.00	10.000	0.10	16.63	50.00	0.156	0.469	0.33
10	13:02	1.00	10.000	0.10	14.13	50.00	0.363	1.284	0.28
11	13:10	1.00	10.000	0.10	13.13	50.00	0.595	2.267	0.26
12	13:17	1.00	10.000	0.10	15.83	90.00	0.414	1.307	0.32
13	13:17	1.00	20.000	0.05	13.16	90.00	0.169	0.643	0.26
14	13:24	1.00	10.000	0.10	16.36	50.00	0.173	0.530	0.33
15	13:31	1.00	10.000	0.10	13.08	50.00	1.114	4.259	0.26
16	13:34	1.00	10.000	0.10	16.05	50.00	1.101	3.431	0.32
17	14:17	1.00	10.000	0.11	16.97	50.00	1.775	5.229	0.34
18	14:45	1.00	20.000	0.05	10.51	50.00	0.407	1.936	0.21
19	15:02	1.00	50.000	0.02	76.05	200.00	0.059	0.155	0.38
20	15:13	1.00	10.000	0.11	14.05	50.00	1.167	4.152	0.28
21	17:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	19:21	1.00	10.000	0.09	7.89	50.00	0.085	0.536	0.16
23	15:32	1.00	10.000	0.09	16.95	50.00	1.357	4.003	0.34
24	15:47	1.00	20.000	0.05	13.96	50.00	0.137	0.491	0.28
25	15:56	1.00	10.000	0.09	18.09	50.00	0.269	0.744	0.36
26	15:59	1.00	10.000	0.09	15.65	50.00	0.806	2.575	0.31
27	16:23	1.00	20.000	0.05	15.44	50.00	0.452	1.463	0.31
28	16:25	1.00	10.000	0.09	15.37	50.00	0.832	2.707	0.31
29	16:50	1.00	10.000	0.10	14.04	50.00	0.470	1.672	0.28
30	17:17	1.00	10.000	0.10	15.04	50.00	0.212	0.704	0.30
31	17:18	1.00	10.000	0.10	15.02	50.00	0.311	1.036	0.30
32	17:15	1.00	10.000	0.10	10.16	50.00	0.176	0.865	0.20
33	17:22	1.00	10.000	0.10	15.56	50.00	1.155	3.713	0.31
34	17:24	1.00	10.000	0.10	15.62	50.00	1.099	3.517	0.31
35	17:28	1.00	10.000	0.10	15.01	50.00	0.978	3.260	0.30
36	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:43	1.00	10.000	0.09	16.13	50.00	1.874	5.808	0.32
38	19:59	1.00	10.000	0.09	31.37	100.00	0.914	2.912	0.31
39	20:00	1.00	10.000	0.09	13.41	90.00	0.508	1.895	0.27
40	19:59	1.00	10.000	0.09	31.37	100.00	0.914	2.912	0.31
41	21:00	1.00	10.000	0.10	15.52	50.00	1.119	3.606	0.31
42	22:21	1.00	10.000	0.11	15.14	50.00	0.652	2.153	0.30
43	24:50	1.00	10.000	0.12	15.64	50.00	1.016	3.246	0.31
44	25:46	1.00	10.000	0.12	15.77	50.00	1.366	4.333	0.32
45	25:52	1.00	10.000	0.12	15.59	50.00	1.147	3.678	0.31
46	27:09	1.01	10.000	0.13	16.38	50.00	0.992	3.027	0.33
47	12:52	1.00	10.000	0.10	7.66	25.00	0.212	0.694	0.31

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 04/07/90 17:32:00  
 SAMPLE: ZUL 0270510000 VERSION III 31259(2398)  
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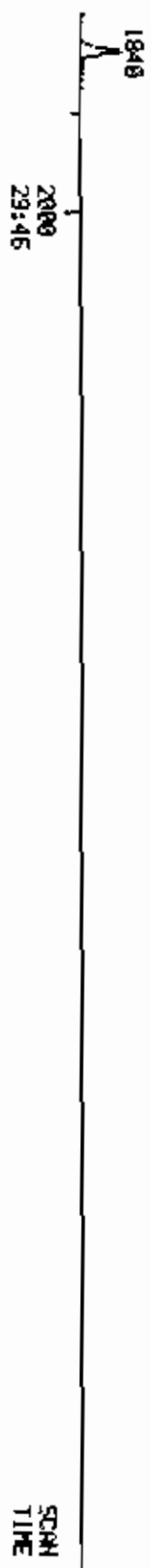
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 OUT OF 251 TO 2000



RIC  
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COMDS.1  
1986550.

COMPUCHEN L095

COMPUCHEN DATA: MMS00M07M07 SCANS 1001 TO 2000  
OUT OF 251 TO 2000





QUANTITATION REPORT FILE: HK900407A07  
DATA: HK900407A07.TI  
04/07/90 17:32:00  
SAMPLE: ZUL 8270STD080 VERSION III 31259(2388)  
CONDS.:  
SUBMITTED BY: #07 ANALYST: 1591

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-73-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (71#4)
5	542 FORMALDEHYDE (Z9#3)
6	910 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10593-93-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 D-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE (T2#3)
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZYL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLOROANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-43-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (I9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (I9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (I9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (I9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (I9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (I9#20) <108-45-2>
55	503 SAFROLE (I9#27)
56	525 M-PHENYLENEDIAMINE (I9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (IS#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (I9#31) <99-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (I9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
65	527 ISOSAFROLE (I9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (I9#28) <634-66-2>
69	478 2-NITROANILINE (G3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (I9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
74	402 ACENAPHTHYLENE (G3#8) <208-96-8>
75	479 3-NITROANILINE (G3#9) <99-09-2>
76	401 ACENAPHTHENE (G3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (G3#11) <51-28-4>
78	607 4-NITROPHENOL (G3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
80	476 DIBENZOFURAN (G3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (I9#33)
82	484 2-NAPHTHYLAMINE (I9#35)
83	483 1-NAPHTHYLAMINE (I9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (I9#37)
85	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
86	519 ZINOPHDS (I9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
88	432 FLUORENE (G3#18) <86-73-7>
89	480 4-NITROANILINE (G3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (I9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (I9#39)
92	*467 D10-PHENANTHRENE (IS#4)
93	*459 D12-CHRYSENE (IS#5)
94	*497 D12-PERYLENE (IS#6)
95	*619 2-FLUOROPHENOL (SS#1)
96	*612 D9-PHENOL (SS#2)
97	*447 D9-NITROBENZENE (SS#3)
98	*448 2-FLUOROBIPHENYL (SS#4)
99	*628 2,4,6-TRIBROMOPHENOL (SS#5)
100	*471 D10-PYRENE (SS#6)
101	*496 D14-TERPHENYL (SS#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	%TOT
1	132	485	7:13	1	1.000	A BB	73012.	40.000 NO	0.44
2	42	267	3:58	1	0.551	A BB	171892.	73.351 NO	0.81
3	79	267	3:58	1	0.551	A BB	146496.	64.997 NO	0.72
4	69	307	4:34	1	0.633	A BB	175084.	76.035 NO	0.84
5	89	307	4:34	1	0.633	A BB	49012.	82.108 NO	0.91
6	93	331	4:56	1	0.682	A BB	140924.	56.972 NO	0.63
7	88	342	5:05	1	0.705	A BB	334504.	607.404 NO	6.71
8	80	366	5:27	1	0.733	A BV	156348.	65.080 NO	0.72
9	102	399	5:56	1	0.823	A BB	68564.	61.132 NO	0.68
10	109	423	6:18	1	0.872	A BB	122728.	93.389 NO	1.03
11	94	456	6:47	1	0.940	A BB	250724.	73.843 NO	0.82
12	93	459	6:50	1	0.946	A BV	289720.	71.224 NO	0.79
13	167	461	6:52	1	0.951	A BB	100780.	81.049 NO	0.90
14	93	464	6:54	1	0.957	A VV	210120.	73.728 NO	0.81
15	128	470	7:00	1	0.969	A BB	205152.	66.868 NO	0.74
16	146	482	7:10	1	0.994	A BV	238200.	80.202 NO	0.89
17	91	487	7:15	1	1.004	A BB	493412.	80.093 NO	0.88
18	146	487	7:15	1	1.004	A VB	223348.	78.961 NO	0.87
19	108	497	7:24	1	1.025	A BV	114858.	68.854 NO	0.76
20	146	503	7:29	1	1.037	A BB	214356.	74.764 NO	0.83
21	108	508	7:34	1	1.047	A VB	185090.	80.487 NO	0.89
22	43	512	7:37	1	1.056	A BB	213372.	84.175 NO	0.93
23	108	521	7:45	1	1.074	A BV 170664	341328.	189.426 NO	2.09
24	108	521	7:45	1	1.074	A BV 170664	341328.	189.426 NO	2.09
25	100	521	7:45	1	1.074	A BB	81652.	89.912 NO	0.99
26	116	522	7:46	1	1.076	A BB	40260.	85.231 NO	0.94
27	105	522	7:46	1	1.076	A BB	279176.	93.356 NO	1.03
28	70	524	7:48	1	1.080	A BB	164960.	93.955 NO	1.04
29	106	526	7:50	1	1.085	A BB	221592.	83.255 NO	0.92
30	117	531	7:54	1	1.095	A BB	140104.	80.235 NO	0.89
31	136	600	8:56	31	1.000	A BB	231240.	40.000 NO	0.44
32	77	537	8:00	31	0.895	A VV	259035.	82.073 NO	0.91
33	114	550	8:11	31	0.917	A BB	95160.	86.796 NO	0.96
34	82	558	8:18	31	0.930	A BV	467420.	83.015 NO	0.92
35	107	568	8:27	31	0.947	A BV	226136.	92.588 NO	1.02
36	139	566	8:25	31	0.943	A BB	110324.	79.132 NO	0.87
37	180	568	8:27	31	0.947	A BB	198300.	93.411 NO	1.03
38	125	570	8:29	31	0.950	A BV	424072.	91.322 NO	1.01
39	122	576	8:34	31	0.960	A VV	63740.	80.674 NO	0.89
40	93	577	8:35	31	0.962	A BB	232528.	83.865 NO	0.93
41	162	588	8:45	31	0.980	A BB	148848.	78.625 NO	0.87
42	180	596	8:52	31	0.993	A BB	188540.	77.743 NO	0.86
43	128	602	8:58	31	1.003	A BV	544508.	79.940 NO	0.88
44	127	607	9:02	31	1.012	A VB	225692.	78.200 NO	0.86
45	162	609	9:04	31	1.015	A BB	161172.	83.114 NO	0.92
46	108	600	8:56	31	1.000	A VB	47024.	160.274 NO	1.77
47	91	619	9:13	31	1.032	A VV	30706.	309.348 NO	3.42
48	213	614	9:08	31	1.023	A BB	123940.	75.790 NO	0.84
49	229	619	9:13	31	1.032	A BB	132820.	78.831 NO	0.87
50	180	619	9:13	31	1.032	A BB	173580.	94.878 NO	1.05
51	159	624	9:17	31	1.040	A BB	268884.	80.089 NO	0.88
52	84	640	9:32	31	1.067	A BB	155796.	143.072 NO	1.58
53	107	651	9:41	31	1.085	A VV	202728.	77.912 NO	0.86
54	108	651	9:41	31	1.085	A VV	18056.	26.622 NO	0.29
55	162	658	9:48	31	1.097	A BB	150412.	84.785 NO	0.94
56	108	658	9:48	31	1.097	A VB	48560.	64.992 NO	0.72

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTDT
57	142	667	9:56	31	1.112	A BB	439892.	74.030 NG	0.82
58	142	677	10:09	31	1.128	A BB	219848.	68.903 NG	0.76
59	164	767	11:25	59	1.000	A BB	140252.	40.000 NG	0.44
60	216	686	10:13	59	0.894	A BB	374336.	166.547 NG	1.84
61	216	686	10:13	59	0.894	A BB	374336.) <sup>ce</sup>	166.547 NG	1.84
62	237	688	10:14	59	0.897	A BB	66144.	69.800 NG	0.77
63	196	695	10:21	59	0.906	A BV	115940.	76.638 NG	0.85
64	196	699	10:24	59	0.911	A VB	117244.	82.914 NG	0.92
65	162	706	10:30	59	0.920	A BB	131120.	75.479 NG	0.83
66	162	713	10:37	59	0.930	A BV	372232.	82.453 NG	0.91
67	162	716	10:39	59	0.934	A VB	272188.	82.152 NG	0.91
68	216	714	10:38	59	0.931	A BB	184540.	83.129 NG	0.92
69	63	724	10:47	59	0.944	A BV	127204.	79.723 NG	0.88
70	158	729	10:51	59	0.950	A BB	56916.	91.099 NG	1.01
71	168	733	10:55	59	0.956	A BB	58500.	74.189 NG	0.82
72	163	742	11:03	59	0.967	A BB	384864.	81.682 NG	0.90
73	165	749	11:09	59	0.977	A VB	84500.	76.659 NG	0.85
74	152	753	11:12	59	0.982	A BB	491960.	81.075 NG	0.90
75	138	762	11:20	59	0.993	A BV	89276.	80.239 NG	0.89
76	153	771	11:29	59	1.005	A BB	324116.	81.611 NG	0.90
77	184	772	11:29	59	1.007	A BB	31440.	71.808 NG	0.79
78	109	778	11:35	59	1.014	A VV	73195.	71.869 NG	0.79
79	165	787	11:43	59	1.026	A BB	112216.	80.634 NG	0.89
80	168	785	11:41	59	1.023	A BB	436228.	79.542 NG	0.88
81	250	788	11:44	59	1.027	A BB	186756.	91.688 NG	1.01
82	143	793	11:48	59	1.034	A VV	299244.	79.589 NG	0.88
83	143	799	11:54	59	1.042	A VB	293008.	82.414 NG	0.91
84	232	800	11:54	59	1.043	A BB	85668.	74.782 NG	0.83
85	149	809	12:02	59	1.055	A BV	439204.	81.445 NG	0.90
86	97	818	12:10	59	1.066	A BB	119332.	82.748 NG	0.91
87	204	817	12:10	59	1.069	A BB	168612.	80.157 NG	0.89
88	166	818	12:10	59	1.066	A BV	341372.	83.832 NG	0.93
89	138	821	12:13	59	1.070	A BV	79800.	79.481 NG	0.88
90	152	820	12:12	59	1.069	A BV	86796.	83.319 NG	0.92
91	77	832	12:23	59	1.085	A VB	627516.	85.328 NG	0.94
92	188	908	13:31	93	1.000	A BB	213040.	40.000 NG	0.44
93	240	1173	17:28	93	1.000	A BB	197608.	40.000 NG	0.44
94	264	1427	21:14	94	1.000	A BB	189720.	40.000 NG	0.44
95	112	380	9:39	1	0.784	A BB	189972.	72.529 NG	0.80
96	99	456	8:47	1	0.940	A BV	257992.	85.559 NG	0.95
97	82	536	7:59	31	0.893	A BB	271792.	82.269 NG	0.91
98	172	702	10:27	59	0.913	A BB	350988.	79.940 NG	0.88
99	330	843	12:33	59	1.099	A BB	72720.	81.286 NG	0.90
100	212	1045	15:33	93	0.891	A BV	453804.	81.856 NG	0.90
101	244	1058	15:45	93	0.902	A BB	411624.	78.982 NG	0.87

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:11	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:58	1.00	10.000	0.06	73.35	160.00	0.589	1.284	0.46
3	3:58	1.00	10.000	0.06	65.00	160.00	0.502	1.239	0.41
4	4:32	1.01	10.000	0.06	76.03	160.00	0.600	1.262	0.48
5	4:32	1.01	10.000	0.06	82.11	160.00	0.168	0.327	0.51
6	4:54	1.01	20.000	0.03	56.97	160.00	0.483	1.355	0.36
7	5:04	1.01	10.000	0.07	607.40	640.00	0.286	0.302	0.95
8	5:26	1.00	10.000	0.08	65.08	160.00	0.535	1.316	0.41
9	5:59	1.01	10.000	0.08	61.13	160.00	0.235	0.614	0.38

NO	RET(L)	RATIO	VRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:16	1.00	10.000	0.09	93.39	160.00	0.420	0.720	0.58
11	6:46	1.00	10.000	0.09	73.84	160.00	0.859	1.860	0.46
12	6:49	1.00	10.000	0.09	71.22	160.00	0.992	2.229	0.45
13	6:50	1.00	10.000	0.10	81.05	160.00	0.345	0.681	0.51
14	6:53	1.00	20.000	0.05	73.73	160.00	0.719	1.561	0.46
15	6:58	1.00	10.000	0.10	66.87	160.00	0.702	1.681	0.42
16	7:10	1.00	10.000	0.10	80.20	160.00	0.816	1.627	0.50
17	7:13	1.00	10.000	0.10	80.09	160.00	1.689	3.375	0.50
18	7:13	1.00	10.000	0.10	78.96	160.00	0.765	1.550	0.49
19	7:23	1.00	10.000	0.10	68.85	160.00	0.393	0.914	0.43
20	7:27	1.00	10.000	0.10	74.76	160.00	0.734	1.571	0.47
21	7:33	1.00	10.000	0.10	80.49	160.00	0.634	1.260	0.50
22	7:35	1.00	10.000	0.11	84.18	160.00	0.731	1.389	0.53
23	7:44	1.00	10.000	0.11	189.43	320.01	0.584	0.987	0.59
24	7:44	1.00	10.000	0.11	189.43	320.01	0.584	0.987	0.59
25	7:45	1.00	10.000	0.11	89.91	160.00	0.280	0.498	0.56
26	7:46	1.00	10.000	0.11	85.23	160.00	0.138	0.299	0.53
27	7:45	1.00	10.000	0.11	93.36	160.00	0.956	1.638	0.58
28	7:47	1.00	10.000	0.11	93.95	160.00	0.565	0.962	0.59
29	7:49	1.00	10.000	0.11	83.26	160.00	0.759	1.458	0.52
30	7:52	1.00	10.000	0.11	80.24	160.00	0.480	0.957	0.50
31	8:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:59	1.00	10.000	0.09	82.07	160.00	0.280	0.546	0.51
33	8:10	1.00	10.000	0.09	86.80	160.00	0.103	0.190	0.54
34	8:17	1.00	10.000	0.09	83.01	160.00	0.509	0.974	0.52
35	8:26	1.00	10.000	0.09	92.59	160.00	0.244	0.422	0.58
36	8:25	1.00	10.000	0.09	79.13	160.00	0.119	0.241	0.49
37	8:25	1.00	10.000	0.09	93.41	160.00	0.214	0.367	0.58
38	8:27	1.00	10.000	0.09	91.32	160.00	0.458	0.803	0.57
39	8:35	1.00	10.000	0.01	80.67	160.00	0.069	0.137	0.50
40	8:33	1.00	10.000	0.10	83.87	160.00	0.251	0.480	0.52
41	8:43	1.00	10.000	0.10	78.62	160.00	0.161	0.327	0.49
42	8:51	1.00	10.000	0.10	77.74	160.00	0.204	0.420	0.49
43	8:57	1.00	10.000	0.10	79.94	160.00	0.989	1.178	0.50
44	9:01	1.00	10.000	0.10	78.20	160.00	0.244	0.499	0.49
45	9:02	1.00	20.000	0.05	83.11	160.00	0.174	0.335	0.52
46	8:55	1.00	10.000	0.10	160.27	160.00	0.051	0.051	1.00
47	9:12	1.00	10.000	0.10	309.35	160.00	0.033	0.017	1.93
48	9:07	1.00	10.000	0.10	75.79	160.00	0.134	0.283	0.47
49	9:11	1.00	10.000	0.10	78.83	160.00	0.144	0.291	0.49
50	9:11	1.00	10.000	0.10	94.88	160.00	0.188	0.316	0.59
51	9:15	1.00	20.000	0.05	80.09	160.00	0.291	0.581	0.50
52	9:30	1.00	10.000	0.11	143.07	160.00	0.168	0.188	0.89
53	9:40	1.00	10.000	0.11	77.91	160.00	0.219	0.450	0.49
54	9:40	1.00	10.000	0.11	26.62	160.00	0.020	0.117	0.17
55	9:46	1.00	10.000	0.11	84.78	160.00	0.163	0.307	0.53
56	9:47	1.00	10.000	0.11	64.99	160.00	0.052	0.129	0.41
57	9:54	1.00	10.000	0.11	74.05	160.00	0.476	1.028	0.46
58	10:03	1.00	10.000	0.11	69.90	160.00	0.238	0.552	0.43
59	11:23	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:11	1.00	10.000	0.09	166.55	320.01	0.334	0.641	0.52
61	10:11	1.00	10.000	0.09	166.55	320.01	0.334	0.641	0.52
62	10:13	1.00	10.000	0.09	69.80	160.00	0.119	0.270	0.44
63	10:18	1.00	20.000	0.05	76.64	160.00	0.206	0.430	0.48
64	10:22	1.00	20.000	0.05	82.91	160.00	0.209	0.403	0.52
65	10:29	1.00	20.000	0.05	75.48	160.00	0.234	0.495	0.47

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:34	1.00	10.000	0.09	82.45	160.00	0.664	1.288	0.52
67	10:38	1.00	10.000	0.09	82.15	160.00	0.485	0.945	0.51
68	10:35	1.00	10.000	0.09	83.13	160.00	0.329	0.633	0.52
69	10:44	1.00	10.000	0.09	79.72	160.00	0.227	0.435	0.50
70	10:48	1.00	20.000	0.05	91.06	160.00	0.101	0.178	0.57
71	10:53	1.00	20.000	0.05	74.19	160.00	0.104	0.225	0.46
72	11:01	1.00	10.000	0.10	81.68	160.00	0.686	1.344	0.51
73	11:07	1.00	10.000	0.10	76.66	160.00	0.151	0.314	0.48
74	11:10	1.00	10.000	0.10	81.07	160.00	0.877	1.731	0.51
75	11:19	1.00	20.000	0.05	80.24	160.00	0.199	0.317	0.50
76	11:26	1.00	10.000	0.10	81.61	160.00	0.578	1.133	0.51
77	11:28	1.00	40.000	0.03	71.81	160.00	0.056	0.125	0.45
78	11:33	1.00	10.000	0.10	71.87	160.00	0.130	0.290	0.45
79	11:40	1.00	10.000	0.10	80.63	160.00	0.200	0.397	0.50
80	11:39	1.00	10.000	0.10	79.54	160.00	0.778	1.564	0.50
81	11:41	1.00	10.000	0.10	91.69	160.00	0.333	0.581	0.57
82	11:45	1.00	20.000	0.05	79.99	160.00	0.533	1.072	0.50
83	11:52	1.00	20.000	0.05	82.41	160.00	0.522	1.014	0.52
84	11:53	1.00	20.000	0.05	74.78	160.00	0.153	0.327	0.47
85	12:01	1.00	10.000	0.11	81.45	160.00	0.783	1.538	0.51
86	12:08	1.00	10.000	0.11	82.75	160.00	0.213	0.411	0.52
87	12:07	1.00	10.000	0.11	80.16	160.00	0.301	0.600	0.50
88	12:09	1.00	10.000	0.11	83.85	160.00	0.608	1.161	0.52
89	12:11	1.00	20.000	0.05	79.48	160.00	0.142	0.286	0.50
90	12:10	1.00	20.000	0.05	83.32	160.00	0.155	0.297	0.52
91	12:20	1.00	10.000	0.11	85.33	160.00	1.119	2.097	0.53
92	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:38	1.00	0.742	1.06	72.53	160.00	0.650	1.435	0.45
96	6:45	1.00	0.948	0.99	85.56	160.00	0.883	1.652	0.53
97	7:57	1.00	0.875	1.02	82.26	160.00	0.294	0.571	0.51
98	10:25	1.00	0.906	1.01	79.94	160.00	0.626	1.252	0.50
99	12:30	1.00	1.118	0.98	81.29	160.00	0.130	0.255	0.51
100	15:31	1.00	10.000	0.09	81.86	160.00	0.574	1.122	0.51
101	15:43	1.00	0.907	0.99	78.98	160.00	0.521	1.055	0.49

QUANTITATION REPORT FILE: HK900407A07  
DATA: HK900407A07.TI  
04/07/90 17:32:00  
SAMPLE: 2UL B270STD080 VERSION III 31259(2388)  
CONDS.:  
SUBMITTED BY: 007 ANALYST: 1591

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

NO	NAME
1	*467 D10-PHENANTHRENE (I5#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (I9#41)
6	539 PHENACETIN (I9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	941 DIMETHOATE (I9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINODIPHENYL (I9#45)
12	522 PROXAMIDE (I9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (I9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (I9#48)
19	549 CYCLOPHOSPHAMIDE (I9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (I5#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMIYE (I9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (I9#51)
26	523 CHLORDBENZILATE (I9#52)
27	545 3,3'-DIMETHYLBENZIDINE (I9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (I9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (I9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D12-PERYLENE (I5#6)
37	429 DI-N-DECYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <209-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (I9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	564 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(Q, H, I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	ZTOT
1	188	908	13:31	1	1.000	A BB	213040.	40.000 NG	2.95
2	198	826	12:18	1	0.910	A BB	52300.	23.078 NG	1.70
3	169	828	12:19	1	0.912	A VB <sup>15956</sup>	319052.) <sup>65</sup>	49.737 NG	3.67
4	169	828	12:19	1	0.912	A VB <sup>15956</sup>	319052.) <sup>65</sup>	49.737 NG	3.67
5	213	859	12:44	1	0.942	A BB	39416.	22.648 NG	1.67
6	108	859	12:47	1	0.946	A BV	214732.	25.173 NG	1.86
7	248	863	12:51	1	0.950	A BB	119008.	24.716 NG	1.82
8	234	858	12:46	1	0.945	A BB	32984.	10.569 NG	0.78
9	125	876	13:02	1	0.965	A BB	62456.	25.027 NG	1.85
10	284	879	13:05	1	0.968	A BB	159796.	23.365 NG	1.72
11	169	888	13:12	1	0.978	A BV	310516.	25.720 NG	1.90
12	173	895	13:19	1	0.986	A BB	178540.	25.652 NG	1.89
13	266	895	13:19	1	0.986	A BV	71724.	20.947 NG	1.55
14	237	902	13:25	1	0.993	A VB	71884.	25.454 NG	1.88
15	178	910	13:33	1	1.002	A BV	489612.	21.583 NG	1.59
16	178	915	13:37	1	1.008	A VB	475124.	26.000 NG	1.92
17	149	963	14:20	1	1.061	A VB	710852.	25.526 NG	1.88
18	97	993	14:47	1	1.094	A BV	228156.	22.122 NG	1.63
19	211	1012	15:04	1	1.115	A BV	95024.	114.899 NG	8.48
20	202	1025	15:15	1	1.129	A BB	517535.	23.403 NG	1.73
21	240	1173	17:28	21	1.000	A BB	197608.	40.000 NG	2.95
22	184	1034	15:23	21	0.882	A BV	79740.	30.128 NG	2.22
23	202	1047	15:35	21	0.893	A VV	506273.	25.600 NG	1.89
24	185	1063	15:49	21	0.906	A BB	50348.	20.755 NG	1.53
25	225	1073	15:58	21	0.915	A BB	101504.	27.615 NG	2.04
26	139	1077	16:02	21	0.918	A BV	307208.	24.153 NG	1.78
27	212	1104	16:26	21	0.941	A BB	200440.	27.730 NG	2.05
28	149	1105	16:27	21	0.942	A BB	315108.	23.562 NG	1.74
29	181	1133	16:52	21	0.966	A BB	191788.	23.215 NG	1.71
30	231	1163	17:19	21	0.991	A BV	80748.	23.219 NG	1.71
31	232	1165	17:20	21	0.993	A BB	123224.	24.081 NG	1.78
32	244	1161	17:17	21	0.990	A BB	107940.	25.272 NG	1.87
33	149	1171	17:26	21	0.998	A VB	457544.	24.946 NG	1.84
34	228	1171	17:26	21	0.998	A BV	430581.	24.785 NG	1.83
35	228	1177	17:31	21	1.003	A VV	387669.	24.071 NG	1.78
36	264	1427	21:14	36	1.000	A BB	189720.	40.000 NG	2.95
37	149	1260	18:45	36	0.883	A BV	690284.	25.060 NG	1.85
38	252	1345	20:01	36	0.943	A BB <sup>11159</sup>	674719.	48.845 NG	3.61
39	256	1347	20:03	36	0.944	A BV	219472.	24.415 NG	1.80
40	252	1345	20:01	36	0.943	A BB <sup>11159</sup>	674719.	48.845 NG	3.61
41	232	1414	21:03	36	0.991	A BV	410325.	23.992 NG	1.77
42	268	1507	22:26	36	1.056	A BB	246648.	24.151 NG	1.78
43	279	1679	24:59	36	1.177	A BB	357568.	23.223 NG	1.71
44	276	1744	25:57	36	1.222	A BB	480880.	23.400 NG	1.73
45	278	1750	26:03	36	1.226	A BB	403042.	23.101 NG	1.71
46	276	1840	27:23	36	1.289	A BB	327863.	22.833 NG	1.69
47	234	867	12:54	1	0.955	A BB	45656.	12.358 NG	0.91

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:16	1.00	30.000	0.03	23.08	50.00	0.200	0.434	0.46
3	12:19	1.00	10.000	0.09	49.74	100.00	0.975	1.959	0.50
4	12:18	1.00	10.000	0.09	49.74	100.00	0.975	1.959	0.50

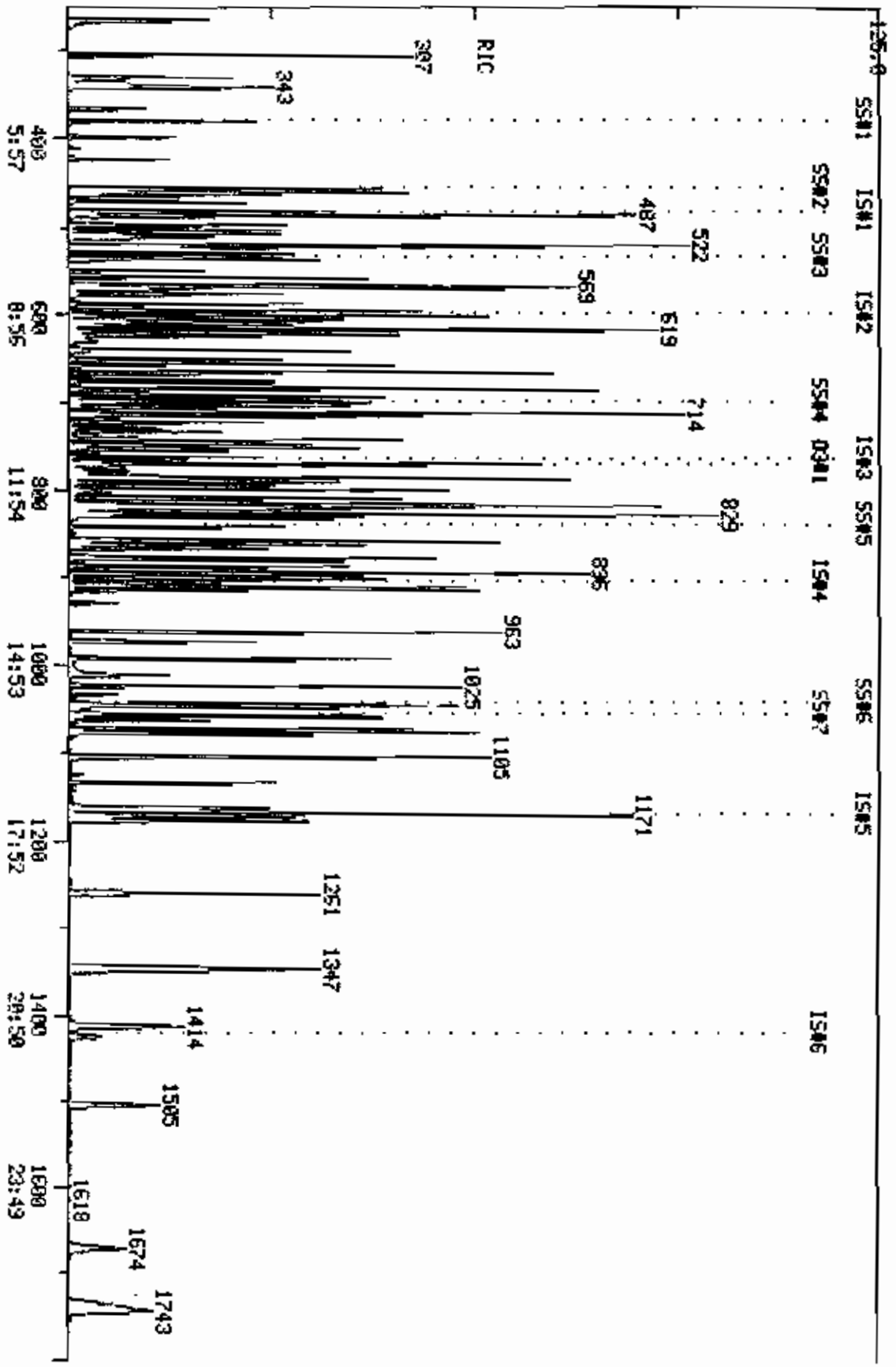


NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:42	1.00	20.000	0.05	22.65	50.00	0.148	0.327	0.45
6	12:44	1.00	10.000	0.09	25.17	50.00	0.806	1.602	0.50
7	12:48	1.00	10.000	0.10	24.72	50.00	0.447	0.904	0.49
8	12:44	1.00	10.000	0.09	10.57	25.00	0.248	0.586	0.42
9	13:00	1.00	10.000	0.10	25.03	50.00	0.239	0.469	0.50
10	13:02	1.00	10.000	0.10	23.37	50.00	0.600	1.284	0.47
11	13:10	1.00	10.000	0.10	25.72	50.00	1.166	2.267	0.51
12	13:17	1.00	10.000	0.10	25.65	50.00	0.670	1.307	0.51
13	13:17	1.00	20.000	0.05	20.95	50.00	0.269	0.643	0.42
14	13:24	1.00	10.000	0.10	25.45	50.00	0.270	0.530	0.51
15	13:31	1.00	10.000	0.10	21.58	50.00	1.839	4.259	0.43
16	13:34	1.00	10.000	0.10	26.00	50.00	1.784	3.431	0.52
17	14:17	1.00	10.000	0.11	25.53	50.00	2.669	5.229	0.51
18	14:45	1.00	20.000	0.05	22.12	50.00	0.857	1.936	0.44
19	15:02	1.00	50.000	0.02	114.90	200.00	0.089	0.155	0.57
20	15:13	1.00	10.000	0.11	23.40	50.00	1.943	4.152	0.47
21	17:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:21	1.00	10.000	0.09	30.13	50.00	0.323	0.536	0.60
23	15:32	1.00	10.000	0.09	25.60	50.00	2.050	4.003	0.51
24	15:47	1.00	20.000	0.05	20.76	50.00	0.204	0.491	0.42
25	15:56	1.00	10.000	0.09	27.62	50.00	0.411	0.744	0.55
26	15:59	1.00	10.000	0.09	24.15	50.00	1.244	2.575	0.48
27	16:23	1.00	20.000	0.05	27.73	50.00	0.811	1.463	0.55
28	16:25	1.00	10.000	0.09	23.56	50.00	1.276	2.707	0.47
29	16:30	1.00	10.000	0.10	23.21	50.00	0.776	1.672	0.46
30	17:17	1.00	10.000	0.10	23.22	50.00	0.327	0.704	0.46
31	17:18	1.00	10.000	0.10	24.08	50.00	0.499	1.036	0.48
32	17:19	1.00	10.000	0.10	25.27	50.00	0.437	0.865	0.51
33	17:22	1.00	10.000	0.10	24.95	50.00	1.852	3.713	0.50
34	17:24	1.00	10.000	0.10	24.79	50.00	1.743	3.517	0.50
35	17:28	1.00	10.000	0.10	24.07	50.00	1.569	3.260	0.48
36	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:43	1.00	10.000	0.09	25.06	50.00	2.911	5.808	0.50
38	19:59	1.00	10.000	0.09	48.84	100.00	1.423	2.912	0.49
39	20:00	1.00	10.000	0.09	24.41	50.00	0.925	1.895	0.49
40	19:59	1.00	10.000	0.09	48.84	100.00	1.423	2.912	0.49
41	21:00	1.00	10.000	0.10	23.99	50.00	1.730	3.606	0.48
42	22:21	1.00	10.000	0.11	24.15	50.00	1.040	2.153	0.48
43	24:50	1.01	10.000	0.12	23.22	50.00	1.508	3.246	0.46
44	25:46	1.01	10.000	0.12	23.40	50.00	2.028	4.333	0.47
45	25:52	1.01	10.000	0.12	23.10	50.00	1.700	3.678	0.46
46	27:09	1.01	10.000	0.13	22.83	50.00	1.383	3.027	0.46
47	12:52	1.00	10.000	0.10	12.36	25.00	0.343	0.694	0.49

RIC  
 04/07/90 16:21:00  
 SAMPLE: ZUL 82705TD128 VERSION 111 31260(2389)  
 COMDS.:

COMPUCHEN LABS

COMPUCHEN DATA: H1990407007 SCANS 251 TO 1801  
 OUT OF 251 TO 2800



RIC  
04/07/98 16:21:00  
SAMPLE: ZUL 82705T0120 VERSION 111 31260(2309)  
COND5.1

COMPUCHER LABS  
COMPUCHER DATA: H190040707 SCANS 1801 TO 2000  
OUT OF 251 TO 2000  
2424310.



QUANTITATION REPORT FILE: HI900407A07  
DATA: HI900407A07.TI  
04/07/90 16:21:00  
SAMPLE: 2UL 8270ST0120 VERSION III 31260(2389)  
COND5.:  
SUBMITTED BY: 007 ANALYST: 1591

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROBODIMETHYLAMINE (Q1#2) <62-73-7>
3	481 PYRIDINE (I9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-93-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <37638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROBOMORPHOLINE (Z9#12) <99-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 D8-NAPHTHALENE (I8#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROPIPERIDINE (T2#3)
34	438 ISOPHORONE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLORANILINE (Q2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-49-2>

47	515	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537	HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434	HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450	1,2,3-TRICHLOROBENZENE (Z9#19) <87-61-6>
51	534	BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536	N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608	P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526	P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503	SAFROLE (Z9#27)
56	525	M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477	2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569	1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495	D10-ACENAPHTHENE (I8#3)
60	457	1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513	1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435	HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611	2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626	2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527	ISOSAFROLE (Z9#30) <120-58-1>
66	416	2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564	1-CHLORONAPHTHALENE (F4#2)
68	456	1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478	2-NITROANILINE (Q3#6) <88-74-4>
70	504	1,4-NAPHTHOQUINONE (Z9#32)
71	491	1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425	DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428	2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402	ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479	3-NITROANILINE (Q3#9) <99-09-2>
76	401	ACENAPHTHENE (Q3#10) <63-32-9>
77	6605	2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607	4-NITROPHENOL (Q3#12) <100-02-7>
79	427	2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476	DIBENZOFURAN (Q3#13) <132-64-9>
81	507	PENTACHLOROBENZENE (Z9#33)
82	484	2-NAPHTHYLAMINE (Z9#35)
83	483	1-NAPHTHYLAMINE (Z9#36)
84	630	2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424	DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519	ZINOPHOS (Z9#38)
87	417	4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432	FLUORENE (Q3#18) <86-73-7>
89	480	4-NITROANILINE (Q3#19) <100-01-6>
90	498	5-NITRO-O-TOLUIDINE (Z9#34)
91	430	1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467	O10-PHENANTHRENE (I8#4)
93	*459	D12-CHRYSENE (I8#5)
94	*497	D12-PERYLENE (I8#6)
95	6619	2-FLUOROPHENOL (88#1)
96	6612	D5-PHENOL (88#2)
97	6447	D5-NITROBENZENE (88#3)
98	6448	2-FLUOROBIPHENYL (88#4)
99	6628	2,4,6-TRIBROMOPHENOL (88#5)
100	6471	D10-PYRENE (88#6)
101	*496	O14-TERPHENYL (88#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGHT)	AMOUNT	ZTOT
1	152	484	7:14	1	1.000	A BB	56700.	40.000 NG	0.89
2	42	268	3:59	1	0.551	A BB	209820.	36.029 NG	0.81
3	79	268	3:59	1	0.551	A BB	242644.	43.321 NG	0.97
4	69	307	4:34	1	0.632	A BB	246212.	43.026 NG	0.96
5	89	307	4:34	1	0.632	A BB	57908.	39.037 NG	0.87
6	93	331	4:36	1	0.681	A BB	277628.	45.165 NG	1.01
7	88	343	5:06	1	0.706	A BV	463928.	338.990 NG	7.58
8	80	367	5:28	1	0.755	A BV	219788.	36.813 NG	0.82
9	102	399	5:56	1	0.821	A BB	122036.	43.785 NG	0.98
10	109	423	6:18	1	0.870	A BB	121496.	37.203 NG	0.83
11	94	457	6:48	1	0.940	A BB	308024.	36.506 NG	0.82
12	93	460	6:51	1	0.947	A BV	330668.	32.712 NG	0.73
13	167	461	6:52	1	0.949	A BB	137208.	44.403 NG	0.99
14	93	464	6:54	1	0.955	A VV	261696.	36.951 NG	0.83
15	128	471	7:01	1	0.969	A BB	221368.	29.035 NG	0.65
16	146	483	7:11	1	0.994	A BV	295520.	40.040 NG	0.90
17	91	487	7:15	1	1.002	A BB	538056.	39.146 NG	0.79
18	146	487	7:15	1	1.002	A VB	250940.	35.642 NG	0.80
19	108	498	7:25	1	1.025	A BV	153164.	36.947 NG	0.83
20	146	503	7:29	1	1.035	A BB	270272.	37.933 NG	0.85
21	108	509	7:35	1	1.047	A VB	227601.	39.827 NG	0.89
22	45	512	7:37	1	1.053	A BB	234904.	37.290 NG	0.83
23	108	522	7:46	1	1.074	A BV <sup>too 473</sup>	400946.) <sup>66-</sup>	89.539 NG	2.00
24	108	522	7:46	1	1.074	A BV <sup>too 473</sup>	400946.)	89.539 NG	2.00
25	100	522	7:46	1	1.074	A BB	93396.	41.385 NG	0.93
26	116	523	7:47	1	1.076	A BB	47148.	40.165 NG	0.90
27	105	522	7:46	1	1.074	A BB	301524.	40.574 NG	0.91
28	70	523	7:49	1	1.080	A BV	192420.	44.101 NG	0.99
29	106	526	7:50	1	1.082	A BB	268304.	40.564 NG	0.91
30	117	531	7:54	1	1.093	A BB	165748.	38.196 NG	0.85
31	136	601	8:57	31	1.000	A BB	200556.	40.000 NG	0.89
32	77	538	8:00	31	0.895	A VV	312844.	35.715 NG	0.80
33	114	551	8:12	31	0.917	A BB	115736.	38.036 NG	0.85
34	82	559	8:19	31	0.930	A BV	595800.	38.126 NG	0.85
35	107	569	8:28	31	0.947	A BV	288500.	42.561 NG	0.95
36	139	567	8:26	31	0.943	A BB	140668.	36.354 NG	0.81
37	180	568	8:27	31	0.945	A BB	244612.	41.517 NG	0.93
38	125	570	8:29	31	0.948	A BV	511264.	39.669 NG	0.89
39	122	578	8:36	31	0.962	A VV	89170.	40.665 NG	0.91
40	93	578	8:36	31	0.962	A BB	303356.	39.422 NG	0.88
41	162	588	8:45	31	0.978	A BB	202864.	38.610 NG	0.86
42	180	597	8:53	31	0.993	A BB	251348.	37.343 NG	0.84
43	128	603	8:58	31	1.003	A BV	743200.	39.314 NG	0.88
44	127	608	9:03	31	1.012	A VB	319752.	39.919 NG	0.89
48	162	609	9:04	31	1.013	A BB	216212.	40.174 NG	0.90
46	108	601	8:57	31	1.000	A BB	41312.	50.734 NG	1.13
47	91	620	9:14	31	1.032	A VV	31960.	116.015 NG	2.60
48	213	614	9:08	31	1.022	A BB	150532.	33.167 NG	0.74
49	229	619	9:13	31	1.030	A BB	179232.	38.329 NG	0.86
50	180	619	9:13	31	1.030	A BB	220480.	43.422 NG	0.97
51	159	625	9:18	31	1.040	A BB	363124.	38.971 NG	0.87
52	84	641	9:32	31	1.067	A BB	209364.	69.275 NG	1.55
53	107	652	9:42	31	1.085	A VV	290120.	40.174 NG	0.90
54	108	652	9:42	31	1.085	A BV	21769.	11.565 NG	0.26
55	162	658	9:48	31	1.095	A BB	206300.	41.900 NG	0.94
56	108	659	9:48	31	1.097	A VB	41224.	19.992 NG	0.45

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	XTOT
57	142	667	9:56	31	1.110	A BB	610296.	37.017 NG	0.83
58	142	677	10:05	31	1.126	A BB	292560.	33.038 NG	0.74
59	164	768	11:26	59	1.000	A BB	131692.	40.000 NG	0.89
60	216	686	10:13	59	0.893	A BB	518320. <i>cc</i>	76.749 NG	1.72
61	216	686	10:13	59	0.893	A BB	518320.	76.749 NG	1.72
62	237	688	10:14	59	0.896	A BB	51740.	18.171 NG	0.41
63	196	695	10:21	59	0.905	A BV	169644.	37.450 NG	0.84
64	196	699	10:24	59	0.910	A VB	173792.	40.904 NG	0.91
65	162	707	10:31	59	0.921	A BB	182988.	35.263 NG	0.79
66	162	713	10:37	59	0.928	A BV	494540.	36.458 NG	0.82
67	162	717	10:40	59	0.934	A VB	396860.	39.864 NG	0.89
68	216	714	10:38	59	0.930	A BB	257948.	38.610 NG	0.86
69	65	724	10:47	59	0.943	A BV	194300.	40.528 NG	0.91
70	158	729	10:51	59	0.949	A BB	63392.	34.817 NG	0.78
71	168	734	10:55	59	0.956	A BB	86844.	36.654 NG	0.82
72	163	743	11:04	59	0.967	A BB	556456.	39.305 NG	0.88
73	165	750	11:10	59	0.977	A VB	125540.	37.904 NG	0.85
74	152	754	11:13	59	0.982	A BB	680072.	37.300 NG	0.83
75	138	763	11:21	59	0.993	A BV	139620.	41.764 NG	0.93
76	153	771	11:29	59	1.004	A BB	446588.	37.424 NG	0.84
77	184	773	11:30	59	1.007	A BB	54324.	41.293 NG	0.92
78	109	779	11:36	59	1.014	A VV	142318.	46.507 NG	1.04
79	165	787	11:43	59	1.025	A BB	166972.	39.931 NG	0.89
80	168	786	11:42	59	1.023	A BB	618740.	37.548 NG	0.84
81	250	788	11:44	59	1.026	A BB	259680.	42.430 NG	0.95
82	143	793	11:48	59	1.033	A VV	430672.	38.122 NG	0.85
83	143	800	11:54	59	1.042	A VB	426572.	39.931 NG	0.89
84	232	601	11:55	59	1.043	A BB	128836.	37.420 NG	0.84
85	149	810	12:03	59	1.055	A BV	664728.	41.024 NG	0.92
86	97	818	12:10	59	1.065	A VB	175940.	40.604 NG	0.91
87	204	817	12:10	59	1.064	A BB	239884.	37.954 NG	0.85
88	166	819	12:11	59	1.066	A BV	485156.	39.661 NG	0.89
89	178	822	12:14	59	1.070	A BV	127188.	42.161 NG	0.94
90	152	821	12:13	59	1.069	A BV	138592.	44.275 NG	0.99
91	77	832	12:23	59	1.083	A VB	889836.	40.270 NG	0.90
92	188	908	13:31	92	1.000	A BB	217400.	40.000 NG	0.89
93	240	1174	17:28	93	1.000	A BB	196812.	40.000 NG	0.89
94	264	1425	21:13	94	1.000	A BB	171728.	40.000 NG	0.89
95	112	381	5:40	1	0.784	A BB	221136.	33.974 NG	0.76
96	99	456	6:47	1	0.938	A BB	241828.	32.272 NG	0.72
97	82	536	7:59	31	0.892	A BB	377032.	41.124 NG	0.92
98	172	702	10:27	59	0.914	A BB	487744.	36.971 NG	0.83
99	330	843	12:33	59	1.098	A BB	108660.	40.423 NG	0.90
100	212	1045	15:33	93	0.890	A VV	705864.	39.949 NG	0.89
101	244	1058	15:45	93	0.901	A BV	662508.	39.886 NG	0.89

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:11	1.01	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:58	1.01	10.000	0.06	36.03	50.00	2.960	4.108	0.72
3	3:58	1.01	10.000	0.06	43.32	50.00	3.424	3.951	0.87
4	4:32	1.01	10.000	0.06	43.03	50.00	3.474	4.037	0.86
5	4:32	1.01	10.000	0.06	39.04	50.00	0.817	1.046	0.78
6	4:54	1.01	20.000	0.03	45.16	50.00	3.917	4.336	0.90
7	5:04	1.01	10.000	0.07	338.99	200.00	1.636	0.965	1.69
8	5:26	1.01	10.000	0.08	36.81	50.00	3.101	4.212	0.74
9	5:58	1.01	10.000	0.08	43.78	50.00	1.722	1.966	0.88

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:16	1.00	10.000	0.09	37.20	50.00	1.714	2.304	0.74
11	6:46	1.00	10.000	0.09	36.51	50.00	4.346	9.553	0.73
12	6:49	1.00	10.000	0.09	32.71	50.00	4.666	7.131	0.65
13	6:50	1.00	10.000	0.09	44.40	50.00	1.936	2.180	0.89
14	6:53	1.00	20.000	0.05	36.95	50.00	3.692	4.596	0.74
15	6:58	1.01	10.000	0.10	29.03	50.00	3.123	9.379	0.58
16	7:10	1.00	10.000	0.10	40.04	50.00	4.170	5.207	0.60
17	7:13	1.00	10.000	0.10	35.15	50.00	7.992	10.800	0.70
18	7:13	1.00	10.000	0.10	35.64	50.00	3.535	4.559	0.71
19	7:23	1.00	10.000	0.10	36.95	50.00	2.161	2.924	0.74
20	7:27	1.00	10.000	0.10	37.93	50.00	3.613	5.026	0.76
21	7:33	1.00	10.000	0.10	39.63	50.00	3.211	4.032	0.80
22	7:35	1.00	10.000	0.11	37.29	50.00	3.314	4.444	0.75
23	7:44	1.00	10.000	0.11	69.54	100.00	2.829	3.159	0.90
24	7:44	1.00	10.000	0.11	69.54	100.00	2.829	3.159	0.90
25	7:45	1.00	10.000	0.11	41.38	50.00	1.318	1.592	0.83
26	7:46	1.00	10.000	0.11	40.16	50.00	0.665	0.828	0.60
27	7:45	1.00	10.000	0.11	40.57	50.00	4.254	5.243	0.81
28	7:47	1.00	10.000	0.11	44.10	50.00	2.719	3.078	0.88
29	7:49	1.00	10.000	0.11	40.56	50.00	3.786	4.666	0.81
30	7:52	1.00	10.000	0.11	38.20	50.00	2.339	3.061	0.76
31	8:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:59	1.00	10.000	0.09	35.71	50.00	1.248	1.747	0.71
33	8:10	1.00	10.000	0.09	38.04	50.00	0.462	0.607	0.76
34	8:17	1.00	10.000	0.09	38.13	50.00	2.377	3.117	0.76
35	8:26	1.00	10.000	0.09	42.56	50.00	1.151	1.352	0.65
36	8:25	1.00	10.000	0.09	36.35	50.00	0.561	0.772	0.73
37	8:25	1.00	10.000	0.09	41.52	50.00	0.976	1.175	0.83
38	8:27	1.00	10.000	0.09	39.67	50.00	2.039	2.570	0.79
39	8:35	1.00	10.000	0.01	40.66	50.00	0.356	0.427	0.61
40	8:33	1.01	10.000	0.10	39.42	50.00	1.210	1.535	0.79
41	8:43	1.00	10.000	0.10	38.61	50.00	0.809	1.048	0.77
42	8:51	1.00	10.000	0.10	37.34	50.00	1.003	1.342	0.75
43	8:57	1.00	10.000	0.10	39.31	50.00	2.965	3.770	0.79
44	9:01	1.00	10.000	0.10	39.92	50.00	1.275	1.598	0.80
45	9:02	1.00	20.000	0.05	40.17	50.00	0.862	1.073	0.80
46	8:55	1.00	10.000	0.10	50.73	50.00	0.165	0.162	1.01
47	9:12	1.00	10.000	0.10	116.01	50.00	0.127	0.055	2.32
48	9:07	1.00	10.000	0.10	33.17	50.00	0.600	0.505	0.66
49	9:11	1.00	10.000	0.10	38.33	50.00	0.715	0.933	0.77
50	9:11	1.00	10.000	0.10	43.42	50.00	0.879	1.013	0.87
51	9:15	1.00	20.000	0.05	38.97	50.00	1.448	1.858	0.78
52	9:30	1.00	10.000	0.11	69.28	50.00	0.835	0.603	1.39
53	9:40	1.00	10.000	0.11	40.17	50.00	1.157	1.440	0.80
54	9:40	1.00	10.000	0.11	11.56	50.00	0.087	0.375	0.23
55	9:46	1.00	10.000	0.11	41.90	50.00	0.823	0.982	0.84
56	9:47	1.00	10.000	0.11	19.99	50.00	0.164	0.411	0.40
57	9:54	1.00	10.000	0.11	37.02	50.00	2.434	3.288	0.74
58	10:03	1.00	10.000	0.11	33.04	50.00	1.167	1.766	0.66
59	11:23	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:11	1.00	10.000	0.09	76.75	100.00	1.574	2.051	0.77
61	10:11	1.00	10.000	0.09	76.75	100.00	1.574	2.051	0.77
62	10:13	1.00	10.000	0.09	18.17	50.00	0.314	0.865	0.36
63	10:18	1.00	20.000	0.05	37.45	50.00	1.031	1.376	0.75
64	10:22	1.00	20.000	0.05	40.90	50.00	1.056	1.291	0.82
65	10:29	1.00	20.000	0.05	35.26	50.00	1.112	1.576	0.71



NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:34	1.00	10.000	0.09	36.46	50.00	3.004	4.120	0.73
67	10:38	1.00	10.000	0.09	39.86	50.00	2.411	3.024	0.80
68	10:39	1.00	10.000	0.09	38.61	50.00	1.565	2.026	0.77
69	10:44	1.00	10.000	0.09	40.53	50.00	1.180	1.456	0.81
70	10:48	1.00	20.000	0.05	34.82	50.00	0.397	0.570	0.70
71	10:53	1.00	20.000	0.05	36.63	50.00	0.528	0.720	0.73
72	11:01	1.00	10.000	0.10	39.30	50.00	3.380	4.300	0.79
73	11:07	1.00	10.000	0.10	37.90	50.00	0.763	1.006	0.76
74	11:10	1.01	10.000	0.10	37.30	50.00	4.131	5.538	0.75
75	11:19	1.00	20.000	0.05	41.76	50.00	0.848	1.015	0.84
76	11:26	1.00	10.000	0.10	37.42	50.00	2.713	3.625	0.75
77	11:28	1.00	40.000	0.03	41.29	50.00	0.330	0.400	0.83
78	11:33	1.00	10.000	0.10	46.51	50.00	0.865	0.929	0.93
79	11:40	1.00	10.000	0.10	39.93	50.00	1.014	1.270	0.80
80	11:39	1.00	10.000	0.10	37.55	50.00	3.759	5.005	0.75
81	11:41	1.00	10.000	0.10	42.43	50.00	1.577	1.859	0.85
82	11:45	1.00	20.000	0.05	38.12	50.00	2.616	3.431	0.76
83	11:52	1.00	20.000	0.05	39.93	50.00	2.391	3.245	0.80
84	11:53	1.00	20.000	0.05	37.43	50.00	0.783	1.045	0.75
85	12:01	1.00	10.000	0.11	41.02	50.00	4.038	4.922	0.82
86	12:08	1.00	10.000	0.11	40.60	50.00	1.069	1.316	0.81
87	12:07	1.00	10.000	0.11	37.95	50.00	1.457	1.920	0.76
88	12:09	1.00	10.000	0.11	39.66	50.00	2.947	3.715	0.79
89	12:11	1.00	20.000	0.05	42.16	50.00	0.773	0.916	0.84
90	12:10	1.00	20.000	0.05	44.28	50.00	0.842	0.951	0.89
91	12:20	1.00	10.000	0.11	40.27	50.00	5.406	6.712	0.81
92	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:38	1.01	0.742	1.06	33.97	50.00	3.120	4.592	0.68
96	6:45	1.00	0.948	0.99	32.27	50.00	3.412	5.286	0.65
97	7:57	1.00	0.875	1.02	41.12	50.00	1.504	1.829	0.82
98	10:25	1.00	0.906	1.01	36.97	50.00	2.963	4.007	0.74
99	12:30	1.00	1.118	0.98	40.42	50.00	0.660	0.816	0.81
100	15:31	1.00	10.000	0.09	39.95	50.00	2.869	3.591	0.80
101	15:43	1.00	0.907	0.99	39.89	50.00	2.693	3.376	0.80

QUANTITATION REPORT FILE: HI900407A07  
DATA: HI900407A07.TI  
04/07/90 16:21:00  
SAMPLE: ZUL B270STD120 VERSION III 31260(2369)  
CONDS.:  
SUBMITTED BY: #07 ANALYST: 1591

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

NO	NAME
1	*467 D10-PHENANTHRENE (IS#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
11	459 4-AMINOBIIPHENYL (Z9#45)
12	522 FRONAMIDE (Z9#46)
13	609 FENTACHLOROPHENOL (Q4#6) <87-86-5>
14	453 FENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (Q4#7) <85-01-8>
16	403 ANTHRACENE (Q4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (Q4#10) <206-44-0>
21	*459 D12-CHRYSENE (IS#5)
22	404 BENZIDINE (Q5#2) <92-87-5>
23	445 PYRENE (Q5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINDAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	419 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
34	409 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
35	418 CHRYSENE (Q5#8) <218-01-9>
36	*497 D12-PERYLENE (IS#6)
37	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
41	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
45	419 DIBENZO(A,H)ANTHRACENE (Q6#7) <53-70-3>
46	408 BENZO(G,H,I)PERYLENE (Q6#8) <191-24-2>

NO NAME  
47 576 DIALLATE (CIS ISOMER)

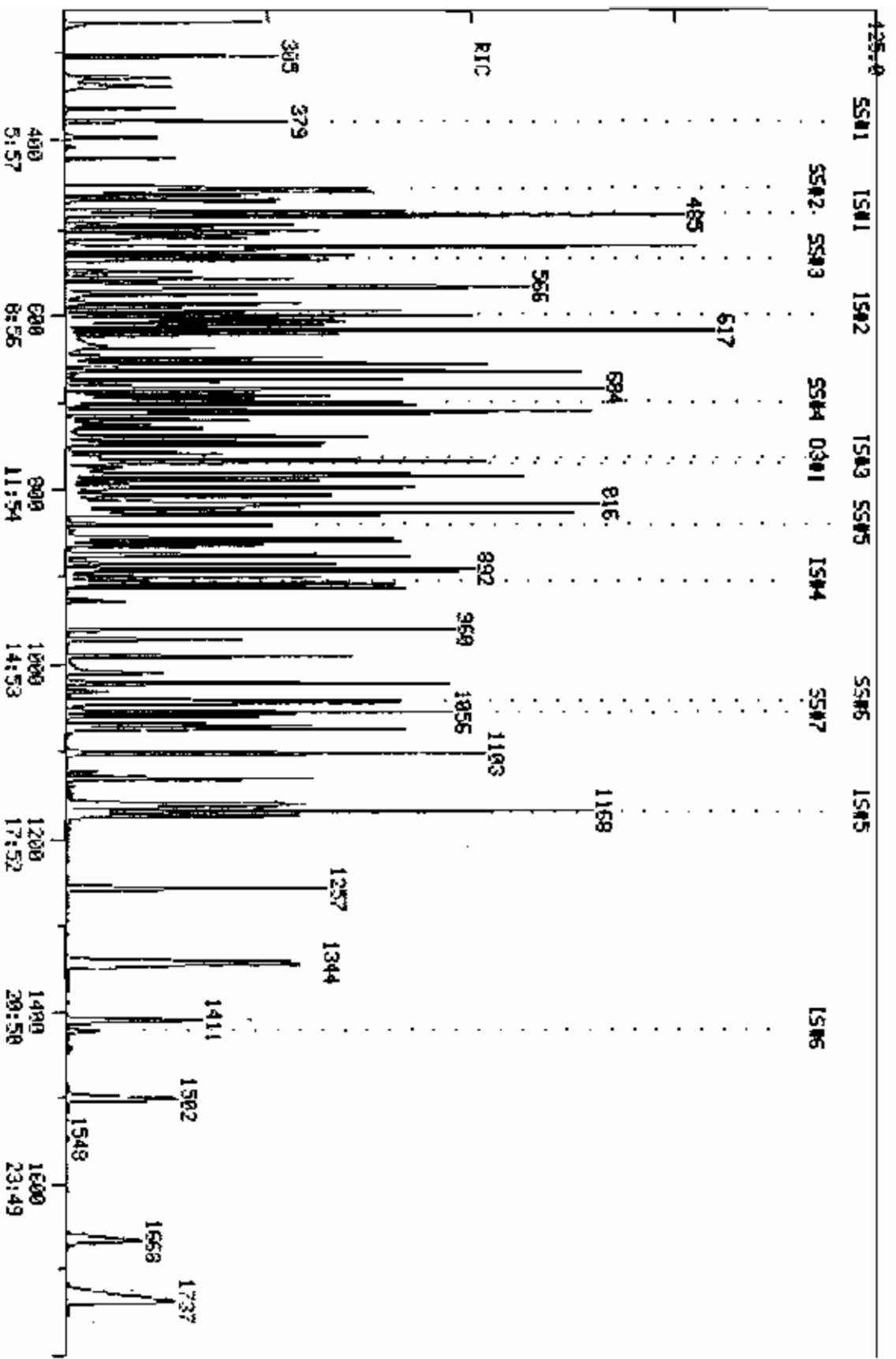
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	%TOT
1	188	908	13:31	1	1.000	A BB	217400.	40.000 NG	2.01
2	195	827	12:19	1	0.911	A BB	93348.	39.607 NG	1.99
3	169	829	12:20	1	0.913	A VB <sup>407060</sup>	814120.	76.447 NG	3.85
4	169	829	12:20	1	0.913	A VB <sup>407060</sup>	814120. } ce-	76.447 NG	3.85
5	213	856	12:44	1	0.943	A BB	72744.	40.959 NG	2.06
6	108	859	12:47	1	0.946	A VV	356222.	40.922 NG	2.06
7	248	863	12:51	1	0.930	A BB	169788.	34.553 NG	1.74
8	234	859	12:47	1	0.946	A BV	51236.	16.088 NG	0.81
9	125	877	13:03	1	0.966	A BB	99084.	38.907 NG	1.96
10	284	879	13:05	1	0.968	A BB	235152.	33.703 NG	1.70
11	169	888	13:13	1	0.978	A BV	434773.	36.913 NG	1.86
12	173	896	13:20	1	0.987	A VB	296876.	41.798 NG	2.10
13	266	895	13:19	1	0.986	A BV	124792.	35.704 NG	1.80
14	237	903	13:26	1	0.994	A VB	113432.	39.361 NG	1.98
15	178	911	13:34	1	1.003	A BV	792766.	34.246 NG	1.72
16	178	915	13:37	1	1.008	A VB	701871.	37.638 NG	1.89
17	149	963	14:20	1	1.061	A VB	1170470.	41.188 NG	2.07
18	97	993	14:47	1	1.094	A BV	369880.	35.145 NG	1.77
19	211	1012	15:04	1	1.115	A BV	121284.	143.710 NG	7.23
20	202	1025	15:15	1	1.129	A VV	818585.	36.274 NG	1.83
21	240	1174	17:28	21	1.000	A BB	196812.	40.000 NG	2.01
22	184	1034	15:23	21	0.881	A BV	95724.	36.314 NG	1.83
23	202	1047	15:35	21	0.892	A VV	783505.	39.778 NG	2.00
24	185	1063	15:49	21	0.905	A VB	77424.	32.046 NG	1.61
25	225	1073	15:58	21	0.914	A BB	152124.	41.553 NG	2.09
26	139	1077	16:02	21	0.917	A BB	477876.	37.722 NG	1.90
27	212	1104	16:26	21	0.940	A BB	275372.	38.279 NG	1.93
28	149	1105	16:27	21	0.941	A BB	465160.	34.923 NG	1.76
29	181	1133	16:52	21	0.965	A BV	259828.	31.578 NG	1.59
30	231	1167	17:19	21	0.991	A BV	121340.	39.032 NG	1.76
31	252	1165	17:20	21	0.992	A BB	176668.	34.665 NG	1.74
32	244	1162	17:18	21	0.990	A BB	142872.	33.585 NG	1.69
33	149	1171	17:26	21	0.997	A VB	685091.	37.503 NG	1.89
34	228	1171	17:26	21	0.997	A BV	643617.	37.198 NG	1.87
35	228	1177	17:31	21	1.003	A VB	596086.	37.161 NG	1.87
36	264	1425	21:17	36	1.000	A BB	171728.	40.000 NG	2.01
37	149	1261	18:46	36	0.885	A BB	1074890.	43.111 NG	2.17
38	252	1345	20:01	36	0.944	A BB <sup>492879</sup>	985758.	78.838 NG	3.97
39	256	1347	20:03	36	0.945	A BV	329252.	40.464 NG	2.04
40	252	1345	20:01	36	0.944	A BB <sup>492879</sup>	985758.	78.838 NG	3.97
41	252	1414	21:03	36	0.992	A BV	577397.	37.298 NG	1.88
42	268	1505	22:24	36	1.036	A BB	352608.	38.144 NG	1.92
43	279	1674	24:55	36	1.175	A BB	494931.	35.513 NG	1.79
44	276	1738	25:52	36	1.220	A BB	675470.	36.312 NG	1.83
45	278	1744	25:57	36	1.224	A BB	561891.	35.580 NG	1.79
46	276	1833	27:17	36	1.286	A BB	493112.	37.939 NG	1.91
47	234	867	12:54	1	0.953	A VB	69060.	18.317 NG	0.92

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:16	1.00	30.000	0.03	39.61	90.00	0.344	0.434	0.79
3	12:18	1.00	10.000	0.09	76.45	100.00	1.498	1.959	0.76
4	12:18	1.00	10.000	0.09	76.45	100.00	1.498	1.959	0.76

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:42	1.00	20.000	0.05	40.96	50.00	0.268	0.327	0.82
6	12:44	1.00	10.000	0.09	40.92	50.00	1.311	1.602	0.82
7	12:48	1.00	10.000	0.10	34.55	50.00	0.625	0.904	0.69
8	12:44	1.00	10.000	0.09	16.09	25.00	0.377	0.586	0.64
9	13:00	1.00	10.000	0.10	38.91	50.00	0.369	0.469	0.78
10	13:02	1.00	10.000	0.10	33.70	50.00	0.865	1.284	0.67
11	13:10	1.00	10.000	0.10	36.91	50.00	1.673	2.267	0.74
12	13:17	1.00	10.000	0.10	41.80	50.00	1.092	1.307	0.84
13	13:17	1.00	20.000	0.05	35.70	50.00	0.459	0.643	0.71
14	13:24	1.00	10.000	0.10	39.36	50.00	0.417	0.530	0.79
15	13:31	1.00	10.000	0.10	34.25	50.00	2.917	4.259	0.68
16	13:34	1.00	10.000	0.10	37.64	50.00	2.583	3.431	0.75
17	14:17	1.00	10.000	0.11	41.19	50.00	4.307	5.229	0.82
18	14:45	1.00	20.000	0.05	35.14	50.00	1.361	1.936	0.70
19	15:02	1.00	50.000	0.02	143.71	200.00	0.112	0.155	0.72
20	15:13	1.00	10.000	0.11	36.27	50.00	3.012	4.152	0.73
21	17:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:21	1.00	10.000	0.09	36.31	50.00	0.389	0.536	0.73
23	15:32	1.00	10.000	0.09	39.78	50.00	3.185	4.003	0.80
24	15:47	1.00	20.000	0.05	32.05	50.00	0.315	0.491	0.64
25	15:56	1.00	10.000	0.09	41.55	50.00	0.618	0.744	0.83
26	15:59	1.00	10.000	0.09	37.72	50.00	1.942	2.575	0.75
27	16:23	1.00	20.000	0.05	38.28	50.00	1.120	1.463	0.77
28	16:25	1.00	10.000	0.09	34.92	50.00	1.891	2.707	0.70
29	16:50	1.00	10.000	0.10	31.58	50.00	1.036	1.672	0.63
30	17:17	1.00	10.000	0.10	35.03	50.00	0.493	0.704	0.70
31	17:18	1.00	10.000	0.10	34.66	50.00	0.718	1.036	0.69
32	17:15	1.00	10.000	0.10	32.59	50.00	0.581	0.865	0.67
33	17:22	1.00	10.000	0.10	37.50	50.00	2.785	3.713	0.75
34	17:24	1.00	10.000	0.10	37.20	50.00	2.616	3.517	0.74
35	17:28	1.00	10.000	0.10	37.16	50.00	2.423	3.260	0.74
36	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:43	1.00	10.000	0.09	43.11	50.00	5.007	5.808	0.86
38	19:59	1.00	10.000	0.09	78.84	100.00	2.296	2.912	0.79
39	20:00	1.00	10.000	0.09	40.46	50.00	1.534	1.895	0.81
40	19:59	1.00	10.000	0.09	78.84	100.00	2.296	2.912	0.79
41	21:00	1.00	10.000	0.10	37.30	50.00	2.690	3.606	0.75
42	22:21	1.00	10.000	0.11	38.14	50.00	1.643	2.153	0.76
43	24:50	1.00	10.000	0.12	35.51	50.00	2.306	3.246	0.71
44	25:46	1.00	10.000	0.12	36.31	50.00	3.147	4.333	0.73
45	25:52	1.00	10.000	0.12	35.58	50.00	2.618	3.678	0.71
46	27:09	1.00	10.000	0.13	37.94	50.00	2.297	3.027	0.76
47	12:52	1.00	10.000	0.10	18.32	25.00	0.508	0.694	0.73

RIC  
 04/07/90 13:05:00  
 SAMPLE: ZUL 82705TD160 VERSION 111 31261(2390)  
 COND5.1

COMPUTER LABS  
 COMPUTER DATA: H0300407007 SCANS 251 TO 1801  
 OUT OF 251 TO 2800

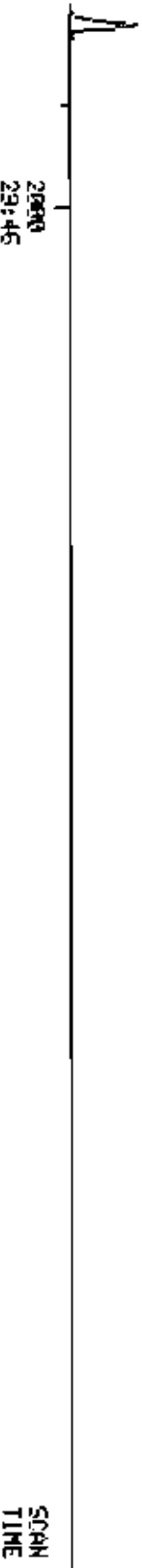


RIC  
84/87/90 15:05:00  
SAMPLE: ZUL 82705TD160 VERSION 111 31261(239B)  
COND5.1

COMPUCHEN LABS

COMPUCHEN DATA: M03900407007 SCANS 1801 TO 2000  
OUT OF 251 TO 2000

3025910.



QUANTITATION REPORT FILE: HG900407A07  
DATA: HG900407A07.TI  
04/07/90 15:05:00  
SAMPLE: 2UL B270STD160 VERBION III 31261(2390)  
CONDS.:  
SUBMITTED BY: #07 ANALYST: J591

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

NO	NAME
1	*494 04-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROBODIMETHYLAMINE (Q1#2) <62-79-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10593-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROBODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I8#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE (T2#3)
34	438 ISOPHORONE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLOROANILINE (Q2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO NAME  
 47 515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9017) <122-09-8>  
 48 537 HEXACHLOROPROPENE (Z9021) <1888-71-7>  
 49 434 HEXACHLOROBUTADIENE (G2011) <87-68-3>  
 50 450 1,2,3-TRICHLOROBENZENE (Z9015) <87-61-6>  
 51 534 BENZOTRICHLORIDE (Z9023) <98-07-7>  
 52 536 N-NITROSO-DI-N-BUTYLAMINE (Z9024) <924-16-3>  
 53 608 P-CHLORO-M-CRESOL (G2012) <99-50-7>  
 54 526 P-PHENYLENEDIAMINE (Z9020) <108-45-2>  
 55 503 BAFROLE (Z9027)  
 56 525 M-PHENYLENEDIAMINE (Z9026) <108-45-2>  
 57 477 2-METHYLNAPHTHALENE (G2013) <91-57-6>  
 58 569 1-METHYLNAPHTHALENE (T2028) <90-12-0>  
 59 \*495 D10-ACENAPHTHENE (IS03)  
 60 457 1,2,4,5-TETRACHLOROBENZENE (Z9031) <95-94-3>  
 61 513 1,2,3,5-TETRACHLOROBENZENE (Z9029) <634-90-2>  
 62 435 HEXACHLOROCYCLOPENTADIENE (G302) <77-47-4>  
 63 611 2,4,6-TRICHLOROPHENOL (G303) <88-06-2>  
 64 626 2,4,5-TRICHLOROPHENOL (G304) <95-95-4>  
 65 527 ISOSAPROLE (Z9030) <120-58-1>  
 66 416 2-CHLORONAPHTHALENE (G305) <91-58-7>  
 67 564 1-CHLORONAPHTHALENE (F402)  
 68 456 1,2,3,4-TETRACHLOROBENZENE (Z9028) <634-66-2>  
 69 478 2-NITROANILINE (G306) <88-74-4>  
 70 504 1,4-NAPHTHOQUINONE (Z9032)  
 71 491 1,4-DINITROBENZENE (F302) <100-25-4>  
 72 425 DIMETHYL PHTHALATE (G307) <131-11-3>  
 73 428 2,6-DINITROTOLUENE (G3015) <606-20-2>  
 74 402 ACENAPHTHYLENE (G308) <208-96-8>  
 75 479 3-NITROANILINE (G309) <99-09-2>  
 76 401 ACENAPHTHENE (G3010) <83-32-9>  
 77 605 2,4-DINITROPHENOL (G3011) <51-28-4>  
 78 607 4-NITROPHENOL (G3012) <100-02-7>  
 79 427 2,4-DINITROTOLUENE (G3014) <121-14-2>  
 80 476 DIBENZOFURAN (G3013) <132-64-9>  
 81 507 PENTACHLOROBENZENE (Z9033)  
 82 484 2-NAPHTHYLAMINE (Z9035)  
 83 483 1-NAPHTHYLAMINE (Z9036)  
 84 630 2,3,4,6-TETRACHLOROPHENOL (Z9037)  
 85 424 DIETHYL PHTHALATE (G3016) <84-66-2>  
 86 519 ZINOPHOS (Z9038)  
 87 417 4-CHLOROPHENYL PHENYL ETHER (G3017) <7005-72-3>  
 88 432 FLUORENE (G3018) <86-73-7>  
 89 480 4-NITROANILINE (G3019) <100-01-6>  
 90 498 5-NITRO-O-TOLUIDINE (Z9034)  
 91 430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9039)  
 92 \*467 D10-PHENANTHRENE (IS04)  
 93 \*459 D12-CHRYSENE (IS05)  
 94 \*497 D12-PERYLENE (IS06)  
 95 619 2-FLUOROPHENOL (S601)  
 96 612 O5-PHENOL (S502)  
 97 447 D5-NITROBENZENE (S503)  
 98 446 2-FLUOROBIPHENYL (S604)  
 99 628 2,4,6-TRIBROMOPHENOL (S505)  
 100 471 O10-PYRENE (S506)  
 101 \*496 D14-TERPHENYL (S607)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	%TOT
1	152	483	7:11	1	1.000	A BB	61796.	40.000 NG	0.75
2	42	266	3:58	1	0.551	A BB	317348.	50.000 NG	0.94
3	79	266	3:58	1	0.551	A BB	305224.	50.000 NG	0.94
4	69	305	4:32	1	0.631	A BB	311832.	50.000 NG	0.94
5	89	305	4:32	1	0.631	A BB	80836.	50.000 NG	0.94
6	93	329	4:54	1	0.681	A BB	334972.	50.000 NG	0.94
7	88	340	5:04	1	0.704	A BB	298312.	200.000 NG	3.75
8	80	363	5:26	1	0.756	A BV	325336.	50.000 NG	0.94
9	102	397	5:55	1	0.822	A BB	151884.	50.000 NG	0.94
10	109	421	6:16	1	0.872	A BB	177964.	50.000 NG	0.94
11	94	455	6:46	1	0.942	A BV	459804.	50.000 NG	0.94
12	93	458	6:49	1	0.948	A BV	550856.	50.000 NG	0.94
13	167	459	6:50	1	0.950	A BB	168388.	50.000 NG	0.94
14	93	462	6:53	1	0.957	A VV	385939.	50.000 NG	0.94
15	128	468	6:58	1	0.969	A BB	415472.	50.000 NG	0.94
16	146	481	7:10	1	0.996	A BV	402200.	50.000 NG	0.94
17	91	485	7:13	1	1.004	A BB	834258.	50.000 NG	0.94
18	146	485	7:13	1	1.004	A VB	383052.	50.000 NG	0.94
19	108	496	7:23	1	1.027	A BV	225902.	50.000 NG	0.94
20	146	501	7:27	1	1.037	A BB	388268.	50.000 NG	0.94
21	108	507	7:33	1	1.050	A VB	311419.	50.000 NG	0.94
22	45	510	7:35	1	1.056	A BB	343276.	50.000 NG	0.94
23	108	520	7:44	1	1.077	A BV <sup>29902</sup>	<del>488048.</del>	100.001 NG	1.87
24	108	520	7:44	1	1.077	A BV <sup>29902</sup>	<del>488048.</del>	100.001 NG	1.87
25	100	521	7:45	1	1.079	A BB	122980.	50.000 NG	0.94
26	116	522	7:46	1	1.081	A BB	63968.	50.000 NG	0.94
27	105	521	7:45	1	1.079	A BB	404968.	50.000 NG	0.94
28	70	523	7:47	1	1.083	A BV	237764.	50.000 NG	0.94
29	106	525	7:49	1	1.087	A BB	360436.	50.000 NG	0.94
30	117	529	7:52	1	1.095	A BB	236468.	50.000 NG	0.94
31	136	599	8:56	31	1.000	A BB	203144.	40.000 NG	0.75
32	77	534	7:59	31	0.895	A VV	443629.	50.000 NG	0.94
33	114	549	8:10	31	0.917	A BB	154104.	50.000 NG	0.94
34	82	557	8:17	31	0.930	A BV	791432.	50.000 NG	0.94
35	107	567	8:26	31	0.947	A BV	343300.	50.000 NG	0.94
36	139	565	8:25	31	0.943	A BB	195964.	50.000 NG	0.94
37	180	566	8:25	31	0.945	A BB	298392.	50.000 NG	0.94
38	125	568	8:27	31	0.948	A BV	652720.	50.000 NG	0.94
39	122	577	8:38	31	0.963	A VV	111055.	50.000 NG	0.94
40	93	575	8:33	31	0.960	A BB	389720.	50.000 NG	0.94
41	162	586	8:43	31	0.978	A BB	266100.	50.000 NG	0.94
42	180	595	8:51	31	0.993	A BB	340880.	50.000 NG	0.94
43	128	601	8:57	31	1.003	A BV	957412.	50.000 NG	0.94
44	127	606	9:01	31	1.012	A VB	403668.	50.000 NG	0.94
45	162	607	9:02	31	1.013	A BB	272568.	50.000 NG	0.94
46	108	599	8:55	31	1.000	A VB	41240.	50.000 NG	0.94
47	91	618	9:12	31	1.032	A BV	13952.	50.000 NG	0.94
48	213	612	9:07	31	1.022	A BB	229860.	50.000 NG	0.94
49	225	617	9:11	31	1.030	A BB	236824.	50.000 NG	0.94
50	180	617	9:11	31	1.030	A BB	257156.	50.000 NG	0.94
51	159	622	9:15	31	1.038	A BB	471904.	50.000 NG	0.94
52	84	638	9:30	31	1.065	A BB	153060.	50.000 NG	0.94
53	107	649	9:40	31	1.083	A VV	365736.	50.000 NG	0.94
54	108	649	9:40	31	1.083	H XX	95332.	50.000 NG	0.94
55	162	656	9:46	31	1.095	A BB	249360.	50.000 NG	0.94
56	108	657	9:47	31	1.097	H XX	104432.	50.000 NG	0.94

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
57	142	665	9:54	31	1.110	A BB	834992.	50.000 NG	0.94
58	142	675	10:03	31	1.127	A BB	448480.	50.000 NG	0.94
59	164	765	11:23	59	1.000	A BB	124120.	40.000 NG	0.75
60	216	684	10:11	59	0.894	A BB	<del>636524.</del>	100.001 NG	1.87
61	216	684	10:11	59	0.894	A BB	<del>636524.</del>	100.001 NG	1.87
62	237	686	10:13	59	0.897	A BB	134180.	50.000 NG	0.94
63	196	692	10:18	59	0.905	A BV	213472.	50.000 NG	0.94
64	196	696	10:22	59	0.910	A VB	200224.	50.000 NG	0.94
65	162	704	10:29	59	0.920	A BV	244544.	50.000 NG	0.94
66	162	710	10:34	59	0.928	A VV	639236.	50.000 NG	0.94
67	162	714	10:38	59	0.933	A VB	469142.	50.000 NG	0.94
68	216	711	10:35	59	0.929	A BB	314348.	50.000 NG	0.94
69	65	721	10:44	59	0.942	A VV	225928.	50.000 NG	0.94
70	158	726	10:46	59	0.949	A BB	88508.	50.000 NG	0.94
71	168	731	10:53	59	0.956	A BB	111652.	50.000 NG	0.94
72	163	740	11:01	59	0.967	A BB	667168.	50.000 NG	0.94
73	165	747	11:07	59	0.976	A VB	156080.	50.000 NG	0.94
74	152	750	11:10	59	0.980	A BB	859204.	50.000 NG	0.94
75	138	760	11:19	59	0.993	A BV	197544.	50.000 NG	0.94
76	153	768	11:26	59	1.004	A BB	562348.	50.000 NG	0.94
77	184	770	11:28	59	1.007	A VB	61996.	50.000 NG	0.94
78	109	776	11:33	59	1.014	A VV	144210.	50.000 NG	0.94
79	165	784	11:40	59	1.025	A BB	197056.	50.000 NG	0.94
80	168	783	11:39	59	1.024	A BB	776552.	50.000 NG	0.94
81	250	785	11:41	59	1.026	A BB	288412.	50.000 NG	0.94
82	143	790	11:49	59	1.033	A VV	532384.	50.000 NG	0.94
83	143	797	11:52	59	1.042	A VB	503424.	50.000 NG	0.94
84	232	798	11:53	59	1.043	A BB	162208.	50.000 NG	0.94
85	149	807	12:01	59	1.055	A BV	763580.	50.000 NG	0.94
86	97	815	12:08	59	1.065	A VB	204199.	50.000 NG	0.94
87	204	814	12:07	59	1.064	A VB	297852.	50.000 NG	0.94
88	166	816	12:09	59	1.067	A VV	576456.	50.000 NG	0.94
89	138	819	12:11	59	1.071	A VV	142164.	50.000 NG	0.94
90	152	818	12:10	59	1.069	A VV	147512.	50.000 NG	0.94
91	77	829	12:20	59	1.084	A VB	1041320.	50.000 NG	0.94
92	188	905	13:28	92	1.000	A BB	184788.	40.000 NG	0.75
93	240	1170	17:25	93	1.000	A BB	189684.	40.000 NG	0.75
94	264	1422	21:10	94	1.000	A BV	192044.	40.000 NG	0.75
95	112	379	5:38	1	0.785	A BB	354704.	50.000 NG	0.94
96	99	454	6:45	1	0.940	A BB	408348.	50.000 NG	0.94
97	82	534	7:57	31	0.891	A VB	464324.	50.000 NG	0.94
98	172	700	10:25	59	0.915	A BB	621704.	50.000 NG	0.94
99	350	840	12:30	59	1.098	A BB	126676.	50.000 NG	0.94
100	212	1043	15:31	93	0.891	A VV	851468.	50.000 NG	0.94
101	244	1056	15:43	93	0.903	A VB	800426.	50.000 NG	0.94

NO	RET(L)	RATID	RRT(L)	RATID	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:11	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:58	1.00	10.000	0.06	50.00	50.00	4.108	4.108	1.00
3	3:58	1.00	10.000	0.06	50.00	50.00	3.951	3.951	1.00
4	4:32	1.00	10.000	0.06	50.00	50.00	4.037	4.037	1.00
5	4:32	1.00	10.000	0.06	50.00	50.00	1.046	1.046	1.00
6	4:54	1.00	20.000	0.03	50.00	50.00	4.336	4.336	1.00
7	5:04	1.00	10.000	0.07	200.00	200.00	0.969	0.969	1.00
8	5:26	1.00	10.000	0.08	50.00	50.00	4.212	4.212	1.00
9	5:55	1.00	10.000	0.08	50.00	50.00	1.966	1.966	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:16	1.00	10.000	0.09	50.00	50.00	2.304	2.304	1.00
11	6:46	1.00	10.000	0.09	50.00	50.00	5.953	5.953	1.00
12	6:49	1.00	10.000	0.09	50.00	50.00	7.131	7.131	1.00
13	6:50	1.00	10.000	0.10	50.00	50.00	2.180	2.180	1.00
14	6:53	1.00	20.000	0.05	50.00	50.00	4.996	4.996	1.00
15	6:58	1.00	10.000	0.10	50.00	50.00	5.379	5.379	1.00
16	7:10	1.00	10.000	0.10	50.00	50.00	9.207	9.207	1.00
17	7:13	1.00	10.000	0.10	50.00	50.00	10.800	10.800	1.00
18	7:13	1.00	10.000	0.10	50.00	50.00	4.959	4.959	1.00
19	7:23	1.00	10.000	0.10	50.00	50.00	2.924	2.924	1.00
20	7:27	1.00	10.000	0.10	50.00	50.00	5.026	5.026	1.00
21	7:33	1.00	10.000	0.10	50.00	50.00	4.032	4.032	1.00
22	7:35	1.00	10.000	0.11	50.00	50.00	4.444	4.444	1.00
23	7:44	1.00	10.000	0.11	100.00	100.00	3.159	3.159	1.00
24	7:44	1.00	10.000	0.11	100.00	100.00	3.159	3.159	1.00
25	7:45	1.00	10.000	0.11	50.00	50.00	1.592	1.592	1.00
26	7:46	1.00	10.000	0.11	50.00	50.00	0.828	0.828	1.00
27	7:45	1.00	10.000	0.11	50.00	50.00	5.243	5.243	1.00
28	7:47	1.00	10.000	0.11	50.00	50.00	3.078	3.078	1.00
29	7:49	1.00	10.000	0.11	50.00	50.00	4.666	4.666	1.00
30	7:52	1.00	10.000	0.11	50.00	50.00	3.061	3.061	1.00
31	8:55	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:59	1.00	10.000	0.09	50.00	50.00	1.747	1.747	1.00
33	8:10	1.00	10.000	0.09	50.00	50.00	0.607	0.607	1.00
34	8:17	1.00	10.000	0.09	50.00	50.00	3.117	3.117	1.00
35	8:26	1.00	10.000	0.09	50.00	50.00	1.352	1.352	1.00
36	8:25	1.00	10.000	0.09	50.00	50.00	0.772	0.772	1.00
37	8:25	1.00	10.000	0.09	50.00	50.00	1.175	1.175	1.00
38	8:27	1.00	10.000	0.09	50.00	50.00	2.570	2.570	1.00
39	8:35	1.00	100.000	0.01	50.00	50.00	0.437	0.437	1.00
40	8:33	1.00	10.000	0.10	50.00	50.00	1.535	1.535	1.00
41	8:43	1.00	10.000	0.10	50.00	50.00	1.048	1.048	1.00
42	8:51	1.00	10.000	0.10	50.00	50.00	1.342	1.342	1.00
43	8:57	1.00	10.000	0.10	50.00	50.00	3.770	3.770	1.00
44	9:01	1.00	10.000	0.10	50.00	50.00	1.598	1.598	1.00
45	9:02	1.00	20.000	0.05	50.00	50.00	1.073	1.073	1.00
46	8:55	1.00	10.000	0.10	50.00	50.00	0.162	0.162	1.00
47	9:12	1.00	10.000	0.10	50.00	50.00	0.055	0.055	1.00
48	9:07	1.00	10.000	0.10	50.00	50.00	0.905	0.905	1.00
49	9:11	1.00	10.000	0.10	50.00	50.00	0.933	0.933	1.00
50	9:11	1.00	10.000	0.10	50.00	50.00	1.013	1.013	1.00
51	9:15	1.00	20.000	0.05	50.00	50.00	1.858	1.858	1.00
52	9:30	1.00	10.000	0.11	50.00	50.00	0.603	0.603	1.00
53	9:40	1.00	10.000	0.11	50.00	50.00	1.440	1.440	1.00
54	9:40	1.00	10.000	0.11	50.00	50.00	0.375	0.375	1.00
55	9:46	1.00	10.000	0.11	50.00	50.00	0.982	0.982	1.00
56	9:47	1.00	10.000	0.11	50.00	50.00	0.411	0.411	1.00
57	9:54	1.00	10.000	0.11	50.00	50.00	3.288	3.288	1.00
58	10:03	1.00	10.000	0.11	50.00	50.00	1.766	1.766	1.00
59	11:23	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:11	1.00	10.000	0.09	100.00	100.00	2.051	2.051	1.00
61	10:11	1.00	10.000	0.09	100.00	100.00	2.051	2.051	1.00
62	10:13	1.00	10.000	0.09	50.00	50.00	0.865	0.865	1.00
63	10:18	1.00	20.000	0.05	50.00	50.00	1.376	1.376	1.00
64	10:22	1.00	20.000	0.05	50.00	50.00	1.291	1.291	1.00
65	10:29	1.00	20.000	0.05	50.00	50.00	1.576	1.576	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:34	1.00	10.000	0.09	50.00	50.00	4.120	4.120	1.00
67	10:38	1.00	10.000	0.09	50.00	50.00	3.024	3.024	1.00
68	10:35	1.00	10.000	0.09	50.00	50.00	2.026	2.026	1.00
69	10:44	1.00	10.000	0.09	50.00	50.00	1.456	1.456	1.00
70	10:48	1.00	20.000	0.03	50.00	50.00	0.370	0.370	1.00
71	10:53	1.00	20.000	0.03	50.00	50.00	0.720	0.720	1.00
72	11:01	1.00	10.000	0.10	50.00	50.00	4.300	4.300	1.00
73	11:07	1.00	10.000	0.10	50.00	50.00	1.006	1.006	1.00
74	11:10	1.00	10.000	0.10	50.00	50.00	5.538	5.538	1.00
75	11:19	1.00	20.000	0.03	50.00	50.00	1.015	1.015	1.00
76	11:26	1.00	10.000	0.10	50.00	50.00	3.625	3.625	1.00
77	11:28	1.00	40.000	0.03	50.00	50.00	0.400	0.400	1.00
78	11:33	1.00	10.000	0.10	50.00	50.00	0.929	0.929	1.00
79	11:40	1.00	10.000	0.10	50.00	50.00	1.270	1.270	1.00
80	11:39	1.00	10.000	0.10	50.00	50.00	5.005	5.005	1.00
81	11:41	1.00	10.000	0.10	50.00	50.00	1.859	1.859	1.00
82	11:45	1.00	20.000	0.03	50.00	50.00	3.431	3.431	1.00
83	11:52	1.00	20.000	0.03	50.00	50.00	3.245	3.245	1.00
84	11:53	1.00	20.000	0.03	50.00	50.00	1.045	1.045	1.00
85	12:01	1.00	10.000	0.11	50.00	50.00	4.922	4.922	1.00
86	12:08	1.00	10.000	0.11	50.00	50.00	1.316	1.316	1.00
87	12:07	1.00	10.000	0.11	50.00	50.00	1.920	1.920	1.00
88	12:09	1.00	10.000	0.11	50.00	50.00	3.715	3.715	1.00
89	12:11	1.00	20.000	0.03	50.00	50.00	0.916	0.916	1.00
90	12:10	1.00	20.000	0.03	50.00	50.00	0.951	0.951	1.00
91	12:20	1.00	10.000	0.11	50.00	50.00	6.712	6.712	1.00
92	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:38	1.00	0.742	1.06	50.00	50.00	4.592	4.592	1.00
96	6:45	1.00	0.948	0.99	50.00	50.00	5.286	5.286	1.00
97	7:57	1.00	0.875	1.02	50.00	50.00	1.829	1.829	1.00
98	10:25	1.00	0.906	1.01	50.00	50.00	4.007	4.007	1.00
99	12:30	1.00	1.118	0.98	50.00	50.00	0.816	0.816	1.00
100	15:31	1.00	10.000	0.09	50.00	50.00	3.591	3.591	1.00
101	15:43	1.00	0.907	1.00	50.00	50.00	3.376	3.376	1.00

QUANTITATION REPORT FILE: HQ900407A07  
DATA: HQ900407A07.TI  
04/07/90 15:05:00  
SAMPLE: 2UL B270STD160 VERSION III 31261(2390)  
CONDS.:  
SUBMITTED BY: #07 ANALYST: 1591

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

NO	NAME
1	*467 D10-PHENANTHRENE (I8#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (I5#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-OIMETHYLAMINOAZOBENIENE (Z9#51)
26	523 CHLOROENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (Z9#54)
31	423 3,3'-DICHLOROENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D12-PERYLENE (I5#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <209-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(O,H,I)PERYLENE (G6#9) <191-24-2>

NO NAME  
47 576 OIALATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	XTOT
1	188	905	13:28	1	1.000	A BB	184788.	40.000 NG	1.53
2	198	824	12:16	1	0.910	A VB	100164.	50.000 NG	1.91
3	167	826	12:18	1	0.913	A VB	905205.)	100.000 NG	3.82
4	167	826	12:18	1	0.913	A VB	905205.)	100.000 NG	3.82
5	213	853	12:42	1	0.943	A BB	75480.	50.000 NG	1.91
6	108	856	12:44	1	0.946	A VV	369954.	50.000 NG	1.91
7	248	860	12:48	1	0.950	A BB	208824.	50.000 NG	1.91
8	234	855	12:44	1	0.945	A BV	67676.	25.000 NG	0.95
9	125	874	13:00	1	0.966	A VB	108232.	50.000 NG	1.91
10	284	876	13:02	1	0.968	A BB	296528.	50.000 NG	1.91
11	167	885	13:10	1	0.978	A BV	523598.	50.000 NG	1.91
12	173	893	13:17	1	0.987	A VV	301856.	50.000 NG	1.91
13	266	892	13:17	1	0.986	A BV	148496.	50.000 NG	1.91
14	237	900	13:24	1	0.994	A VB	122476.	50.000 NG	1.91
15	178	908	13:31	1	1.003	A VV	983839.	50.000 NG	1.91
16	178	912	13:34	1	1.008	A VB	792526.	50.000 NG	1.91
17	149	960	14:17	1	1.061	A VB	1207740.	50.000 NG	1.91
18	97	991	14:45	1	1.095	A BV	447284.	50.000 NG	1.91
19	211	1010	15:02	1	1.116	A BV	143470.	200.000 NG	7.63
20	202	1022	15:13	1	1.129	A VV	959075.	50.000 NG	1.91
21	240	1170	17:25	21	1.000	A BB	189684.	40.000 NG	1.53
22	184	1031	15:21	21	0.881	A BV	127028.	50.000 NG	1.91
23	202	1044	15:32	21	0.892	A BV	949173.	50.000 NG	1.91
24	185	1060	15:47	21	0.906	A VB	116427.	50.000 NG	1.91
25	225	1070	15:56	21	0.915	A BB	176412.	50.000 NG	1.91
26	139	1074	15:59	21	0.918	A VV	610472.	50.000 NG	1.91
27	212	1101	16:23	21	0.941	A BB	346917.	50.000 NG	1.91
28	149	1103	16:25	21	0.943	A VV	641852.	50.000 NG	1.91
29	181	1131	16:50	21	0.967	A BB	396908.	50.000 NG	1.91
30	231	1161	17:17	21	0.992	A BV	166912.	50.000 NG	1.91
31	252	1162	17:18	21	0.993	A BB	245596.	50.000 NG	1.91
32	244	1159	17:15	21	0.991	A BB	204996.	50.000 NG	1.91
33	149	1167	17:22	21	0.997	A VV	880294.	50.000 NG	1.91
34	228	1169	17:24	21	0.999	A BV	833796.	50.000 NG	1.91
35	228	1174	17:28	21	1.003	A VB	772980.	50.000 NG	1.91
36	264	1422	21:10	36	1.000	A BV	192044.	40.000 NG	1.53
37	149	1297	18:43	36	0.884	A BV	1394150.	50.000 NG	1.91
38	252	1343	19:59	36	0.944	A BB	1398270.)	100.000 NG	3.82
39	236	1344	20:00	36	0.945	A BB	454976.	50.000 NG	1.91
40	252	1343	19:59	36	0.944	A BB	1398270.)	100.000 NG	3.82
41	252	1411	21:00	36	0.992	A BV	865594.	50.000 NG	1.91
42	268	1502	22:21	36	1.056	A BB	516882.	50.000 NG	1.91
43	279	1668	24:50	36	1.173	A BB	779271.	50.000 NG	1.91
44	276	1731	23:46	36	1.217	A BB	1040110.	50.000 NG	1.91
45	278	1738	23:52	36	1.222	A BB	883038.	50.000 NG	1.91
46	276	1824	27:09	36	1.283	A BB	726752.	50.000 NG	1.91
47	234	864	12:52	1	0.955	A VB	80116.	25.000 NG	0.95

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:28	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:16	1.00	30.000	0.03	50.00	50.00	0.434	0.434	1.00
3	12:18	1.00	10.000	0.09	100.00	100.00	1.959	1.959	1.00
4	12:18	1.00	10.000	0.09	100.00	100.00	1.959	1.959	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:42	1.00	20.000	0.05	50.00	50.00	0.327	0.327	1.00
6	12:44	1.00	10.000	0.09	50.00	50.00	1.602	1.602	1.00
7	12:48	1.00	10.000	0.10	50.00	50.00	0.904	0.904	1.00
8	12:44	1.00	10.000	0.09	25.00	25.00	0.586	0.586	1.00
9	13:00	1.00	10.000	0.10	50.00	50.00	0.469	0.469	1.00
10	13:02	1.00	10.000	0.10	50.00	50.00	1.284	1.284	1.00
11	13:10	1.00	10.000	0.10	50.00	50.00	2.267	2.267	1.00
12	13:17	1.00	10.000	0.10	50.00	50.00	1.307	1.307	1.00
13	13:17	1.00	20.000	0.05	50.00	50.00	0.643	0.643	1.00
14	13:24	1.00	10.000	0.10	50.00	50.00	0.530	0.530	1.00
15	13:31	1.00	10.000	0.10	50.00	50.00	4.259	4.259	1.00
16	13:34	1.00	10.000	0.10	50.00	50.00	3.431	3.431	1.00
17	14:17	1.00	10.000	0.11	50.00	50.00	5.229	5.229	1.00
18	14:45	1.00	20.000	0.05	50.00	50.00	1.936	1.936	1.00
19	15:02	1.00	50.000	0.02	200.00	200.00	0.155	0.155	1.00
20	15:13	1.00	10.000	0.11	50.00	50.00	4.152	4.152	1.00
21	17:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:21	1.00	10.000	0.09	50.00	50.00	0.936	0.936	1.00
23	15:32	1.00	10.000	0.09	50.00	50.00	4.003	4.003	1.00
24	15:47	1.00	20.000	0.05	50.00	50.00	0.491	0.491	1.00
25	15:56	1.00	10.000	0.09	50.00	50.00	0.744	0.744	1.00
26	15:59	1.00	10.000	0.09	50.00	50.00	2.575	2.575	1.00
27	16:23	1.00	20.000	0.05	50.00	50.00	1.463	1.463	1.00
28	16:25	1.00	10.000	0.09	50.00	50.00	2.707	2.707	1.00
29	16:50	1.00	10.000	0.10	50.00	50.00	1.672	1.672	1.00
30	17:17	1.00	10.000	0.10	50.00	50.00	0.704	0.704	1.00
31	17:18	1.00	10.000	0.10	50.00	50.00	1.036	1.036	1.00
32	17:19	1.00	10.000	0.10	50.00	50.00	0.865	0.865	1.00
33	17:22	1.00	10.000	0.10	50.00	50.00	3.713	3.713	1.00
34	17:24	1.00	10.000	0.10	50.00	50.00	3.517	3.517	1.00
35	17:28	1.00	10.000	0.10	50.00	50.00	3.260	3.260	1.00
36	21:10	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:43	1.00	10.000	0.09	50.00	50.00	5.808	5.808	1.00
38	19:59	1.00	10.000	0.09	100.00	100.00	2.912	2.912	1.00
39	20:00	1.00	10.000	0.09	50.00	50.00	1.895	1.895	1.00
40	19:59	1.00	10.000	0.09	100.00	100.00	2.912	2.912	1.00
41	21:00	1.00	10.000	0.10	50.00	50.00	3.606	3.606	1.00
42	22:21	1.00	10.000	0.11	50.00	50.00	2.153	2.153	1.00
43	24:50	1.00	10.000	0.12	50.00	50.00	3.246	3.246	1.00
44	25:46	1.00	10.000	0.12	50.00	50.00	4.333	4.333	1.00
45	25:52	1.00	10.000	0.12	50.00	50.00	3.678	3.678	1.00
46	27:09	1.00	10.000	0.13	50.00	50.00	3.027	3.027	1.00
47	12:52	1.00	10.000	0.10	25.00	25.00	0.694	0.694	1.00

COMPUCHEM LABORATORIES, INC.  
GC/MS ANALYSIS LOG

INITIAL TIME OF TUNE 7:52  
TIME TUNE EXPIRES 19:54

SHIFT(S) (A) RA (B) \_\_\_\_\_ (C) \_\_\_\_\_  
DATE 4-7-90  
ANALYSIS TYPE 8270 VERS. LIB

R  
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PREVENTIVE MAINTENANCE AS REQUIRED

FILE NAME	DATE	TIME	EPA ID	CASE NO.	STD ID #	AMOUNT INJECTED	CHEMIST	COMMENTS (Lot #, Dispersion, Etc.)
DE500407A07	4/7/90	7:51	DFTPP		31676	1.1	1591	7056
HE900407A07	4/7/90	8:05	8270SID	160	31530	2.1	1591	2368
HE900407A07	4/7/90	8:43	8270SID	20	31526	2.1	1591	2364
HE900407A07	4/7/90	16:21	8270SID	120	31529	2.1	1591	2367
HT900407A07	4/7/90	16:56	8270SID	50	31527	2.1	1591	2365
HE900407A07	4/7/90	17:32	8270SID	80	31528	2.1	1591	2366

*Search will be per lot*

*(Revision # 6)*

VERIFIED: *[Signature]*  
SUPERVISOR APPROVAL: *[Signature]*



COMPUCHEM LABORATORIES, INC.  
GC/MS ANALYSIS LOG

INITIAL TIME OF TUNE 7:52  
 TIME TUNE EXPIRES 19:54  
 ANALYSIS TYPE 8270 Vials Tit

PREVENTIVE MAINTENANCE None

FILE NAME	DATE	TIME	EPA ID	CASE NO.	STD ID #	ANALYST	CHEMIST	COMMENTS (LID #, Disposition, etc.)
DF500407A07	4/7/90	7:52	DETPP		31676	1.1	1591	7050 ✓
HE900407A07	4/7/90	15:05	8270STD	160	31530	2.1	1591	2368
HI900407A07	4/7/90	15:43	8270STD	20	31526	2.1	1591	2364
HI900407A07	4/7/90	16:21	8270STD	120	31529	2.1	1591	2367
HI900407A07	4/7/90	16:55	8270STD	50	31527	2.1	1551	2365 ✓
HE900407A07	4/7/90	17:32	8270STD	80	31528	2.1	1591	2366

Start used for per listed Methionine # 6

VERIFIED \_\_\_\_\_  
 SUPERVISOR APPROVAL [Signature]  
 Date 4/19/90

INITIAL CALIBRATION DATA  
MOST'S HSL COMPOUNDS

CASE NO: COMPUCHEN  
CONTRACT NO: MINIMUM MAG RF FOR SPEC 15 0.050

INSTRUMENT ID: 32  
CALIBRATION DATE: 04/08/90

MAXIMUM 2 RSD FOR OCC 15 30

COMPOUND	MAG RF (20)	RF (50)	RF (80)	RF (120)	RF (150)	MAG RF	2RSD	RF SPEC#	P/F
441 N-NITROSODIMETHYLAMINE (01#2) <62-75-9	1.673	1.728	1.778	1.871	2.428	2.016	15.6		
481 PIRIDINE (29#1)	2.943	3.045	3.152	3.309	3.428	3.072	15.6		
489 ETHYLMAIMACRYLATE (29#2)	2.723	2.825	2.932	3.089	3.152	2.832	15.6		
542 PEGDIALDEHYDE (29#3)	0.441	0.468	0.497	0.513	0.519	0.493	9.5		
516 2-PICOLINE (29#5)	1.457	1.508	1.569	1.620	2.019	1.672	15.6		
235 NITROSOETHYLETHYLAMINE (29#4) <10595-	1.213	1.278	1.343	1.408	1.808	1.452	15.6		
543 METHYL METHANE SULFONATE (29#5) <66-27	0.840	0.889	0.938	0.987	1.261	0.936	15.6		
499 N-NITROSODIETHYLAMINE (29#6)	0.640	0.678	0.716	0.754	0.961	0.716	15.6		
514 ETHYL METHANESULFONATE (29#7) <62-50-0	0.230	0.242	0.254	0.266	0.339	0.254	15.6		
610 PHENOL (01#3) <108-95-2>	2.520	2.612	2.704	2.841	2.890	2.612	17.6		
473 ANILINE (01#4) <52-53-3>	0.504	0.529	0.554	0.579	0.744	0.554	17.6		
505 PENTACHLOROETHANE (29#8)	1.791	1.863	1.935	2.007	2.579	1.935	17.6		
411 BIS(2-CHLOROETHYL) ETHER (01#5) <111-44	1.791	1.863	1.935	2.007	2.579	1.935	17.6		
601 1,3-DICHLOROBENZENE (01#6) <95-57-8>	1.791	1.863	1.935	2.007	2.579	1.935	17.6		
421 1,3-DICHLOROBENZENE (01#7) <541-73-1>	1.791	1.863	1.935	2.007	2.579	1.935	17.6		
306 BENZYL CHLORIDE (29#9)	5.519	5.663	5.807	6.051	7.679	5.807	19.6		
422 1,4-DICHLOROBENZENE (01#8) <106-46-7>	1.820	1.883	1.946	2.009	2.581	1.946	17.6		
474 BENZYL ALCOHOL (01#9) <100-51-6>	0.977	1.026	1.075	1.124	1.446	1.075	15.6		
420 1,2-DICHLOROBENZENE (01#10) <95-50-1>	1.545	1.594	1.643	1.692	2.144	1.643	15.6		
520 2-METHYLPHENOL (01#11) <95-48-2>	2.193	2.285	2.377	2.469	3.141	2.377	15.6		
412 BIS(2-CHLORISOPROPYL) ETHER (01#12) <3	1.780	1.852	1.924	2.006	2.578	1.924	15.6		
621 3-METHYLPHENOL (01#13) <106-44-5>	1.780	1.852	1.924	2.006	2.578	1.924	15.6		
622 4-METHYLPHENOL (01#13) <106-44-5>	1.780	1.852	1.924	2.006	2.578	1.924	15.6		
528 N-NITROSOPYRROLIDINE (29#10) <930-55-2	0.807	0.845	0.883	0.921	1.161	0.883	15.6		
244 N-NITROSOMORPHOLINE (29#12) <59-89-2>	0.807	0.845	0.883	0.921	1.161	0.883	15.6		
500 ACETOPHENONE (29#11)	1.543	1.592	1.641	1.690	2.142	1.641	15.6		
442 N-NITROSO-DI-N-PROPYLAMINE (01#14) <52	1.872	1.944	2.016	2.088	2.660	2.016	15.6		
412 0-TOLUIDINE HYDROCHLORIDE (29#13)	2.022	2.104	2.186	2.268	2.840	2.186	15.6		
436 HEXACHLOROCYCLOHEPTANE (01#15) <67-72-1>	0.941	0.989	1.037	1.085	1.367	1.037	15.6		
448 NITROBENZENE (01#16) <98-50-3>	0.622	0.659	0.696	0.733	0.915	0.696	15.6		
502 N-NITROSOPIPERIDINE	0.201	0.213	0.225	0.237	0.299	0.225	15.6		
438 ISOMORONE (02#2) <78-59-1>	1.206	1.255	1.304	1.353	1.691	1.304	15.6		
603 2,4-DIMETHYLPHENOL (02#4) <105-67-9>	0.533	0.561	0.589	0.617	0.779	0.589	15.6		
606 2-NITROPHENOL (02#3) <88-75-5>	0.171	0.183	0.195	0.207	0.269	0.195	15.6		
451 1,3,5-TRICHLOROBENZENE (29#22) <100-20	0.313	0.335	0.357	0.379	0.471	0.357	15.6		
518 BENZYL CHLORIDE (29#15) <98-87-3>	0.800	0.849	0.898	0.947	1.209	0.898	15.6		
625 BENZOIC ACID (02#5) <65-85-0>	0.145	0.157	0.169	0.181	0.223	0.169	15.6		
410 BIS(2-CHLOROETHOXY)METHANE (02#5) <111	0.546	0.574	0.602	0.630	0.792	0.602	15.6		
602 2,4-DICHLOROPHENOL (02#7) <120-83-2>	0.229	0.241	0.253	0.265	0.327	0.253	15.6		

RF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
MAG RF - AVERAGE RESPONSE FACTOR  
2RSD - PERCENT RELATIVE STANDARD DEVIATION (RSD)

OCC - CALIBRATION CHECK COMPOUNDS (O)  
SPEC - SYSTEM PERFORMANCE CHECK COMPOUNDS (S)  
++ - EITHER NOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
 HPLC COMPOUNDS

CASE NO: 101  
 CONTRACTOR: COMPUCHEN  
 MINIMUM AVG RF FOR SPEC 15 0.050

INSTRUMENT ID: 22  
 CALIBRATION DATE: 04-08-90  
 MAXIMUM % RSD FOR CCC IS 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (150)	AUG RF	%RSD	CCC	P/F
445 1,2,4-TRICHLOROBENZENE (02#8) (120-82-	0.276	0.301	0.303	0.318	0.312	0.302	5.3		
439 NAPHTHALENE (02#9) (21-20-3)	1.339	1.243	1.303	1.329	1.306	1.334	3.9		
470 4-CHLORONAPHTHALENE (02#10) (105-47-8)	0.643	0.636	0.709	0.727	0.732	0.638	9.9		
631 2,6-DICHLOROPHENOL (29#18)	0.250	0.311	0.312	0.319	0.309	0.305	9.9		
524 0-PHENYLENEDIAMINE (29#15)	0.300	0.052	0.264	0.146	0.220	0.205	9.9		
315 ALPHA-ALPHA-DIMETHYLPHENETHYLAMINE (29	0.014	0.052	0.068	0.146	0.111	0.074	50.7		
537 HEXACHLOROPROPENE (29#21) (1888-71-7)	0.145	0.152	0.102	0.179	0.199	0.173	11.9		
134 HEXACHLOROCYCLOPENTADIENE (02#11) (87-69-3)	0.153	0.156	0.152	0.159	0.162	0.153	1.6		
450 1,2,3-TRICHLOROBENZENE (29#15) (87-61-	0.285	0.303	0.299	0.303	0.309	0.303	0.0		
534 BENZOTRICHLORIDE (29#23) (86-07-7)	0.425	0.406	0.403	0.510	0.482	0.482	2.0		
648 P-CHLORO-DI-N-BUTYLAMINE (29#24) (924	0.375	0.419	0.492	0.483	0.539	0.405	23.4		
540 P-CHLORO-M-CRESOL (02#12) (59-50-7)	0.392	0.494	0.570	0.552	0.539	0.503	14.0		
526 P-PHENYLENEDIAMINE (29#20) (100-45-2)	0.029	0.033	0.164	0.053	0.114	0.057	89.2		
503 SAFROLE (29#27)	0.240	0.271	0.264	0.271	0.247	0.259	0.6		
529 N-PHENYLENEDIAMINE (29#25) (100-45-2)	0.001	0.001	0.152	0.057	0.147	0.129	7.2		
477 2-METHYLNAPHTHALENE (02#13) (91-57-6)	0.902	1.007	0.957	0.926	1.013	0.963	2.1		
569 1-METHYLNAPHTHALENE (12#28) (90-12-0)	0.375	0.426	0.452	0.441	0.544	0.443	13.0		
457 1,2,4,5-TETRACHLOROBENZENE (29#31) (95	0.564	0.565	0.607	0.593	0.581	0.582	0.0		
435 HEXACHLOROCYCLOPENTADIENE (03#2) (77-4	0.171	0.100	0.108	0.190	0.338	0.216	44.4		PASS
511 2,4,5-TRICHLOROPHENOL (02#4) (95-50-4)	0.290	0.359	0.369	0.394	0.405	0.373	12.0		
527 1,5-DICHLOROBENZENE (02#3) (88-06-2)	0.341	0.379	0.390	0.405	0.371	0.373	0.0		
416 2-CHLORONAPHTHALENE (03#5) (91-50-7)	0.423	0.450	0.516	0.514	0.529	0.496	10.4		
564 1-CHLORONAPHTHALENE (F4#2)	1.050	1.154	1.170	1.156	1.243	1.173	0.0		
478 2-NITRONAPHTHALENE (29#28) (63	0.409	0.505	0.525	0.520	0.554	0.520	4.4		
304 1,4-NAPHTHOQUINONE (29#32)	0.511	0.544	0.575	0.570	0.593	0.572	0.0		
491 1,4-DINITROBENZENE (F3#2) (100-25-4)	0.147	0.427	0.225	0.214	0.215	0.208	7.2		
424 DIMETHYL PHTHALATE (03#7) (131-11-3)	1.463	1.453	1.192	1.316	1.611	1.288	15.2		
426 2,6-DINITROTOLUENE (03#15) (606-20-2)	0.223	0.304	0.313	0.314	0.320	0.320	4.6		
402 ACENAPHTHENE (03#8) (200-06-8)	1.006	1.207	1.178	1.178	1.217	1.178	1.7		
479 3-NITROANILINE (03#9) (99-09-2)	0.271	0.359	0.381	0.404	0.398	0.381	14.4		
401 ACENAPHTHENE (03#10) (83-32-9)	1.213	1.297	1.400	1.472	1.451	1.381	0.0		
600 2,4-DINITROPHENOL (03#11) (51-28-4)	0.072	0.121	0.114	0.125	0.109	0.108	19.5		PASS
607 4-NITROPHENOL (03#12) (100-02-7)	0.305	0.335	0.384	0.376	0.303	0.303	10.5		
427 2,4-DINITROTOLUENE (03#14) (121-14-2)	0.321	0.437	0.431	0.446	0.440	0.415	10.9		
476 DIBENZOFURAN (03#13) (132-64-5)	1.571	1.701	1.738	1.746	1.600	1.600	12.7		
507 PENTACHLOROBENZENE (29#33)	0.400	0.459	0.464	0.463	0.442	0.447	2.3		

CCC - CALIBRATION CHECK COMPOUNDS (†)  
 SPEC - SYSTEM PERFORMANCE CHECK COMPOUNDS (††)  
 ++ - EITHER NOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
 HCS15 HSL COMPOUNDS

CASE NO: 00100000  
 CONTRACTOR: COMPTON  
 CONTRACT NO: 00100000  
 MINIMUM AUC RF FOR SPEC 15 0.050

INSTRUMENT NO: 22  
 CALIBRATION DATE: 04/09/90  
 MAXIMUM % RSD FOR OCC 15 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (150)	AUC RF	%RSD	OCC 1 SPEC 15	P/F
484 2-NAPHTHYLAMINE (29#35)	1.102	0.791	1.365	1.284	1.466	1.202	22.9		
483 1-NAPHTHYLAMINE (29#36)	1.023	0.909	1.418	1.364	1.347	1.196	22.9		
630 2,3,4,5-TETRACHLOROPHENYL (29#37)	0.188	0.222	0.738	0.238	0.732	0.429	3.0		
424 DIETHYL PHTHALATE (03#16)	0.575	1.543	1.833	0.882	0.679	0.600	6.5		
519 ZINAPHOS (29#38)	0.414	0.450	0.683	0.501	0.510	0.408	20.0		
417 4-CHLOROPHENYL PHENYL ETHER (03#17)	0.450	0.450	0.473	0.501	0.510	1.345	4.9		
433 FLURKENE (03#18)	1.250	0.383	1.379	1.397	0.386	0.375	12.4		
486 4-NITROANILINE (03#19)	0.238	0.301	0.415	0.418	0.387	0.375	12.4		
498 5-NITRO-O-TOLUIDINE (29#34)	0.238	0.301	0.415	0.418	0.387	0.375	12.4		
430 1,2-DIPHENYLHYDRAZINE (A20BENZENE)	0.517	2.426	2.791	2.736	2.891	3.052	12.0		
#619 2-FLUOROPHENOL (55#1)	1.159	1.788	2.083	1.985	1.501	1.808	10.2		
#612 05-PHENOL (55#2)	0.258	0.373	0.503	0.503	0.501	0.572	10.2		
#447 05-NITROBENZENE (55#3)	0.591	0.763	0.980	0.894	0.897	0.719	10.2		
#448 2-FLUOROBIPHENYL (55#4)	1.277	1.315	1.489	1.416	1.489	1.365	10.2		
#620 2,4,6-TRIBROMOPHENOL (55#5)	0.132	0.140	0.150	0.154	0.154	0.142	10.4		
#471 D10-PYRENE (55#6)	0.379	1.129	1.170	1.152	1.142	1.117	10.4		
#496 D14-TERPENEYL (55#7)	0.911	0.989	0.972	0.968	0.979	0.964	3.1		

RF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
 AUC RF - AVERAGE RESPONSE FACTOR  
 %RSD - PERCENT RELATIVE STANDARD DEVIATION (U3)

OCC - CALIBRATION CHECK COMPOUNDS (X)  
 SPEC - SYSTEM PERFORMANCE CHECK COMPOUNDS (XX)  
 ++ - EITHER NOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
M51516 HSL COMPOUNDS

CASE NO: 1  
CONTRACT NO: HININUM  
AUG RF FOR SPOC 15 0, 059

INSTRUMENT ID: 22  
CALIBRATION DATE: 04-08-99  
MAXIMUM % RSD FOR CCC IS 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (160)	AUG RF	ZPSD	CCC % SPOC	P/F
604 4,5-DINITRO-2-METHYLPHENOL (04#2) (534)	0.860	0.119	0.114	0.119	0.123	0.107	24.8		
442 N-NITROSODIPHENYLAMINE (04#3) (85-30-6)	0.691	0.133	0.160	0.156	0.172	0.144	4.2		PASS
567 DIPHENYLAMINE (F3#3)	0.691	0.133	0.160	0.156	0.172	0.144	4.2		
508 1,3,5-TRINITROBENZENE (29#41)	0.055	0.093	0.073	0.070	0.075	0.073	4.2		
539 BENZACETIN (29#42) (63-44-2)	0.321	0.639	0.844	0.819	0.845	0.737	17.4		
414 4-BROMOPHENYL PHENYL ETHER (04#4) (101)	0.104	0.211	0.215	0.206	0.220	0.207	6.8		
577 DIPALATE (TRANS ISOMER)	0.114	0.159	0.174	0.165	0.171	0.153	5.9		
433 HEXACHLOROBENZENE (04#5) (118-74-1)	0.201	0.256	0.277	0.269	0.289	0.267	7.2		
485 4-AMINOBIPHENYL (29#45)	0.202	0.439	0.477	0.470	0.491	0.414	4.9		
522 FURFURAL (29#46)	0.370	0.453	0.445	0.470	0.491	0.450	10.2		
609 PENTACHLOROPHENOL (04#6) (87-86-5)	0.091	0.153	0.145	0.149	0.154	0.139	10.2		PASS
444 PENTACHLORANTROBENZENE (29#47)	0.087	0.103	0.114	0.110	0.113	0.102	6.0		
403 ANTHRACENE (04#7) (85-01-8)	1.139	1.199	1.149	1.179	1.187	1.187	10.0		
426 DI-N-BUTYL MALVATE (04#9) (84-74-2)	1.738	1.996	2.256	2.224	2.278	2.205	4.8		
516 METHACRYLLENE (29#48)	0.474	0.633	0.624	0.620	0.620	0.624	23.2		
549 CYCLOPHOSPHAMIDE (29#49)	0.026	0.033	0.024	0.020	0.020	0.024	2.6		
431 FLURANTHENE (04#10) (205-44-0)	1.129	1.209	1.119	1.170	1.185	1.170	10.0		PASS
404 BENZOTRIAZOLE (05#2) (92-87-5)	0.200	0.691	0.214	0.237	0.242	0.228	2.7		
445 PYRENE (05#3) (129-00-0)	1.220	1.321	1.119	1.350	1.342	1.320	14.0		
538 ARABITE (29#50) (140-57-4)	0.096	0.129	0.119	0.116	0.116	0.120	0.0		
407 P-DIMETHYLAMINAZOBENZENE (29#51)	0.190	0.243	0.224	0.220	0.215	0.210	0.0		
520 CALOPROGENTILATE (29#52)	0.543	0.447	0.352	0.430	0.420	0.481	10.0		
545 3,3'-DIETHYLBENZIDINE (29#53)	0.904	0.924	0.920	0.930	0.938	0.911	12.3		
415 BUTYL BENZYL PHTHALATE (05#4) (85-68-7)	0.367	0.531	0.511	0.519	0.533	0.503	10.0		
408 2-DETYLAMINO FLUORENE (F5#2)	0.157	0.195	0.200	0.194	0.202	0.190	10.0		
409 4,4'-METHYLENE-BIS(2-CHLOROBENZYLAMINE) (2)	0.239	0.291	0.286	0.284	0.287	0.277	10.0		
423 3,3'-DICHLOBENZIDINE (05#5) (91-94-1)	0.208	0.158	0.251	0.230	0.252	0.219	17.0		
533 DIMETHOXYBENZIDINE (29#57)	1.145	1.146	1.140	1.153	1.160	1.137	9.2		
413 BIS(2-ETHYLHEXYL) PHTHALATE (05#7) (11)	1.049	1.146	1.140	1.140	1.153	1.137	9.2		
418 CHRYSENE (05#8) (219-01-9)	1.145	1.146	1.140	1.153	1.160	1.137	9.2		
429 DI-N-OCTYL PHTHALATE (06#2) (117-84-0)	2.234	2.579	2.356	2.453	2.491	2.440	5.0		PASS
402 BENZO(B)FLUORANTHENE (06#3) (205-99-2)	0.967	0.902	0.886	0.900	0.900	0.917	3.0		
517 7,12-DIMETHYLBENZANTHRACENE (29#59)	0.527	0.500	0.539	0.540	0.501	0.531	3.0		
406 BENZO(K)FLUORANTHENE (06#4) (207-08-9)	0.967	0.932	0.895	0.900	0.900	0.917	3.0		
565 3-METHYLCHLORANTHRENE (F6#2)	0.545	1.118	1.082	1.060	1.085	1.001	3.0		PASS

RF - RESPONSE FACTOR (AMOUNT IN NANOGRAMS)  
AUG RF - AVERAGE RESPONSE FACTOR  
ZPSD - PERCENT RELATIVE STANDARD DEVIATION (V3)

CCC - CALIBRATION CHECK COMPOUNDS (X)  
SPOC - SYSTEM PERFORMANCE CHECK COMPOUNDS (XX)  
-- EITHER NOT DETECTABLE OR SATURATED

INITIAL CALIBRATION DATA  
 NIST6 HSL COMPOUNDS

PAGE 2

INSTRUMENT ID: 22  
 CALIBRATION DATE: 04/09/90

CASE NO: 00000000  
 CONTRACTOR: COMPUCHEN  
 CONTRACT NO: MINIMUM AUG RF FOR SPOC 15 0.050

MAXIMUM % RSD FOR CCC IS 30

COMPOUND	RF (20)	RF (50)	RF (80)	RF (120)	RF (150)	AUG RF	ZPOS0	CCC # SPOC#	P/F
566 DIBENZO(A,J)ACRIDINE	0.606	0.725	0.822	0.844	0.821	0.798	14.0		
437 INDEMO(1,2,3-C,10)PTERIDE (064#)	0.910	1.163	1.129	1.125	1.124	1.032	9.4		
419 DIBENZO(A,H)ANTHRACENE (060#)	0.622	0.826	0.916	0.923	0.925	0.890	10.6		
409 BENZO(C,H,1)PHTHLENE (064#)	0.622	0.826	0.916	0.923	0.925	0.890	13.4		
576 DIALLATE (CIS ISOMER)	0.446	0.493	0.488	0.504	0.549	0.500	7.1		

RF - RESPONSE FACTOR (AMOUNT IN NANODRAMS)  
 AUC RF - AVERAGE RESPONSE FACTOR  
 ZPOS0 - PERCENT RELATIVE STANDARD DEVIATION (US)

CCC - CALIBRATION CHECK COMPOUNDS (X)  
 SPOC - SYSTEM PERFORMANCE CHECK COMPOUNDS (XX)  
 ++ - EITHER NOT DETECTABLE OR SATURATED

CONTINUING CALIBRATION CHECK  
MABTS

PAGE 1

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.090

CALIBRATION DATE: 04/08/90  
TIME: 13:37  
STANDARD FILE ID: H0900408A22  
MULTIPOINT DATE: 11/15/89  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
2 441 N-NITROSODIMETHYLAMINE (G102)	1.651	1.728	-2.79			
3 481 PYRIDINE (Z901)	1.391	2.846	-104.65			
4 509 ETHYLMETHACRYLATE (Z902)	1.337	2.796	-109.08			
9 542 PARALDEHYDE (Z903)	0.316	0.468	-47.94			
6 510 2-PICOLINE (Z9056)	1.396	2.350	-68.32			
7 939 NITROSOMETHYLETHYLAMINE (Z904)	0.621	1.170	-88.40			
8 943 METHYL METHANE SULFONATE (Z909)	1.206	1.488	-23.38			
9 499 N-NITROSODIETHYLAMINE (Z906)	0.631	1.126	-78.30			
10 514 ETHYL METHANESULFONATE (Z907)	0.668	1.010	-31.19			
11 610 PHENOL (G103)	1.583	2.612	-65.06	*		FAIL
12 473 ANILINE (G104)	1.972	2.749	-39.38			
13 505 PENTACHLOROETHANE (Z908)	0.619	0.594	4.12			
14 411 BIS(2-CHLOROETHYL)ETHER (G109)	1.320	2.313	-75.20			
19 601 2-CHLOROPHENOL (G106)	1.379	1.798	-30.39			
16 421 1,3-DICHLOROBENZENE (G107)	1.674	1.563	6.65			
17 506 BENZYL CHLORIDE (Z909)	3.846	9.502	-43.06			
18 422 1,4-DICHLOROBENZENE (G108)	2.030	1.883	7.27	*		PASS
19 474 BENZYL ALCOHOL (G109)	0.785	1.139	-45.10			
20 420 1,2-DICHLOROBENZENE (G1010)	1.465	1.608	-9.74			
21 620 2-METHYLPHENOL (G1011)	1.098	1.725	-37.20			
22 412 BIS(2-CHLOROISOPROPYL)ETHER (G1012)	1.439	2.465	-71.34			
23 621 3-METHYLPHENOL (F102)	1.542	1.795	-16.39			
24 622 4-METHYLPHENOL (G1013)	1.542	1.795	-16.39			
25 528 N-NITROSPYRROLIDINE (Z9010)	0.686	0.998	-43.41			
26 544 N-NITROSOMORPHOLINE (Z9012)	0.349	0.446	-27.88			
27 900 ACETOPHENONE (Z9011)	2.321	3.032	-30.64			
28 442 N-NITROSO-DI-N-PROPYLAMINE (G1014)	1.112	2.194	-97.35	**		PASS
29 512 O-TOLUIDINE HYDROCHLORIDE (Z9013)	1.279	2.193	-71.52			
30 436 HEXACHLOROETHANE (G1015)	0.866	1.048	-21.09			
32 440 NITROBENZENE (G1016)	0.653	0.747	-14.47			
33 502 N-NITROSOPIPERIDINE	0.198	0.244	-23.24			
34 438 ISOPHDRONE (G202)	1.032	1.393	-35.26			
35 603 2,4-DIMETHYLPHENOL (G204)	0.694	0.651	6.26			
36 606 2-NITROPHENOL (G203)	0.298	0.231	22.30	*		PASS
37 451 1,3,5-TRICHLOROBENZENE (Z9022)	0.500	0.339	32.10			
38 518 BENZAL CHLORIDE (Z9016)	0.943	0.859	8.86			
39 625 BENZOIC ACID (G209)	0.207	0.244	-18.27			
40 410 BIS(2-CHLORDETHOXY)METHANE (G206)	0.527	0.701	-32.96			
41 602 2,4-DICHLOROPHENOL (G207)	0.364	0.280	23.10	4		PASS
42 446 1,2,4-TRICHLOROBENZENE (G208)	0.419	0.301	28.20			
43 439 NAPHTHALENE (G209)	1.415	1.243	12.20			
44 475 4-CHLOROANILINE (G2010)	0.555	0.656	-18.14			
45 631 2,6-DICHLOROPHENOL (Z9018)	0.405	0.311	23.00			
46 524 O-PHENYLENEDIAMINE (Z9019)	0.440	0.058	56.80			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V3)

CONTINUING CALIBRATION CHECK  
MAST5

PAGE 2

CASE NO:  
CONTRACTOR: COMPUCHER  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 04/08/90  
TIME: 13:37  
STANDARD FILE ID: HG90040BA22  
MULTIPOINT DATE: 11/15/89  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
47 515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9	0.049	0.062	-25.91			
48 537 HEXACHLOROPROPENE (Z9#21)	0.275	0.159	42.20			
49 434 HEXACHLOROBUTADIENE (G2#11)	0.248	0.156	37.00	*		FAIL
50 450 1,2,3-TRICHLOROBENZENE (Z9#15)	0.418	0.303	27.30			
51 534 BENZOTRICHLORIDE (Z9#23)	0.652	0.486	25.60			
52 536 N-NITROSO-OI-N-BUTYLAMINE (Z9#24)	0.339	0.419	-23.59			
53 608 P-CHLORO-M-CRESOL (G2#12)	0.438	0.494	-12.88	*		PASS
54 526 P-PHENYLENEODIAMINE (Z9#20)	0.070	0.033	53.00			
55 503 SAFROLE (Z9#27)	0.320	0.271	15.30			
56 525 M-PHENYLENEDIAMINE (Z9#26)	0.051	0.001	97.20			
57 477 2-METHYLNAPHTHALENE (G2#13)	1.214	1.007	17.00			
58 569 1-METHYLNAPHTHALENE (T2#28)	0.470	0.426	9.48			
59 457 1,2,4,5-TETRACHLOROBENZENE (Z9#31)	0.758	0.565	25.40			
51 513 1,2,3,5-TETRACHLOROBENZENE (Z9#29)	0.758	0.565	25.40			
52 435 HEXACHLOROCYCLOPENTADIENE (G3#2)	0.351	0.100	71.40	**		PASS
53 611 2,4,6-TRICHLOROPHENOL (G3#3)	0.456	0.368	19.30	*		PASS
54 626 2,4,5-TRICHLOROPHENOL (G3#4)	0.453	0.379	16.20			
55 527 ISOSAFROLE (Z9#30)	0.550	0.468	14.90			
56 416 2-CHLORONAPHTHALENE (G3#5)	1.746	1.467	16.00			
57 564 1-CHLORONAPHTHALENE (F4#2)	1.272	1.154	9.23			
58 456 1,2,3,4-TETRACHLOROBENZENE (Z9#28)	0.337	0.544	-61.46			
59 478 2-NITROANILINE (G3#6)	0.632	0.564	10.60			
70 504 1,4-NAPHTHOQUINONE (Z9#32)	0.310	0.426	-37.44			
71 491 1,4-DINITROBENZENE (F3#2)	0.221	0.216	2.31			
72 425 DIMETHYL PHTHALATE (G3#7)	1.700	1.453	14.50			
73 428 2,6-DINITROTOLUENE (G3#15)	0.317	0.304	3.99			
74 402 ACENAPHTHYLENE (G3#8)	2.225	1.987	10.70			
75 479 3-NITROANILINE (G3#9)	0.316	0.359	-13.56			
76 401 ACENAPHTHENE (G3#10)	1.711	1.297	24.20	*		PASS
77 8605 2,4-DINITROPHENOL (G3#11)	0.163	0.121	25.60	**		PASS
78 607 4-NITROPHENOL (G3#12)	0.463	0.335	27.60	**		PASS
79 427 2,4-DINITROTOLUENE (G3#14)	0.565	0.436	22.80			
30 476 DIBENZOPURAN (G3#13)	2.002	1.701	15.00			
31 507 PENTACHLOROBENZENE (Z9#33)	0.546	0.459	16.00			
32 484 2-NAPHTHYLAMINE (Z9#35)	1.110	0.791	28.80			
33 483 1-NAPHTHYLAMINE (Z9#36)	1.460	0.800	45.20			
34 630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)	0.304	0.222	26.90			
35 424 DIETHYL PHTHALATE (G3#16)	1.870	1.624	13.20			
36 519 ZINOPHOS (Z9#38)	0.592	0.543	8.38			
37 417 4-CHLOROPHENYL PHENYL ETHER (G3#17)	0.712	0.495	30.40			
38 432 FLUORENE (G3#18)	1.664	1.328	20.20			
39 480 4-NITROANILINE (G3#19)	0.340	0.365	-7.21			
90 498 5-NITRO-O-TOLUIDINE (Z9#34)	0.384	0.381	0.76			
71 430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9	2.882	2.428	15.80			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V3)



CONTINUING CALIBRATION CHECK  
MAST5

PAGE 3

CASE NO: \_\_\_\_\_  
CONTRACTOR: COMPUCHEM  
CONTRACT NO: \_\_\_\_\_  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 04/08/90  
TIME: 13:37  
STANDARD FILE ID: HG900408A22  
MULTIPOINT DATE: 11/15/89  
MAXIMUM ZD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 30 )	ZD	CCC	SPCC	P/F
75 #619 2-FLUOROPHENOL (SS#1)	1.312	1.780	-35.70			
76 #612 D5-PHENOL (BB#2)	1.449	2.323	-60.79			
77 #447 D5-NITROBENZENE (SS#3)	0.622	0.702	-13.05			
78 #448 2-FLUOROBIPHENYL (SS#4)	1.576	1.315	16.60			
79 #628 2,4,6-TRIBROMOPHENOL (SS#5)	0.180	0.140	22.10			
*1 #471 D10-PYRENE (BB#6)	1.297	1.129	12.90			
*1 #496 D14-TERPHENYL (BS#7)	1.124	0.989	12.00			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

ZD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V3)

CONTINUING CALIBRATION CHECK  
MAST6

PAGE 1

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 04/08/90  
TIME: 13:37  
STANDARD FILE ID: HG900408A22  
MULTIPOINT DATE: 11/15/89  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
2 604 4,6-DINITRO-2-METHYLPHENOL (G4#2)	0.130	0.119	8.10			
3 443 N-NITROSOIPHENYLAMINE (G4#3)	0.915	0.739	19.20	*		PASS
4 567 DIPHENYLAMINE (F3#3)	0.915	0.739	19.20			
5 905 1,3,5-TRINITROBENZENE (Z9#41)	0.076	0.093	-22.50			
6 539 PHENACETIN (Z9#42)	0.660	0.659	0.12			
7 414 4-BROMOPHENYL PHENYL ETHER (G4#4)	0.221	0.211	4.70			
8 577 DIALLATE (TRANS ISOMER)	0.140	0.105	25.30			
9 541 DIMETHOATE (Z9#44)	0.178	0.169	4.79			
10 433 HEXACHLOROBENZENE (G4#5)	0.283	0.258	8.59			
11 485 4-AMINOBIPHENYL (Z9#45)	0.894	0.658	26.40			
12 522 PRONAMIDE (Z9#46)	0.520	0.439	15.60			
13 609 PENTACHLOROPHENOL (G4#6)	0.162	0.153	5.92	*		PASS
14 453 PENTACHLORONITROBENZENE (Z9#47)	0.134	0.102	23.80			
15 444 PHENANTHRENE (G4#7)	1.318	1.199	9.02			
16 403 ANTHRACENE (G4#8)	1.238	1.191	3.82			
17 426 DI-N-BUTYL PHTHALATE (G4#9)	1.917	1.998	-4.22			
18 516 METHAPYRILENE (Z9#48)	0.583	0.521	10.70			
19 549 CYCLOPHOSPHAMIDE (Z9#49)	0.020	0.032	-53.19			
20 431 FLUORANTHENE (G4#10)	1.139	1.209	-6.16	*		PASS
22 404 BENZIDINE (G5#2)	0.234	0.091	61.00			
23 445 PYRENE (G5#3)	1.643	1.321	19.60			
24 530 ARAMITE (Z9#50)	0.124	0.123	0.27			
25 487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)	0.232	0.243	-4.48			
26 523 CHLOROBENZILATE (Z9#52)	1.112	0.885	20.40			
27 545 3,3'-DIMETHYLBENZIOINE (Z9#53)	0.688	0.447	35.00			
28 415 BUTYLBENZYL PHTHALATE (G5#4)	1.252	1.024	18.20			
29 488 2-ACETYLAMINO FLUORENE (F5#2)	0.508	0.331	-4.48			
30 489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z	0.223	0.195	12.40			
31 423 3,3'-DICHLORDBENZIDINE (G5#5)	0.306	0.291	5.19			
32 533 DIMETHOXYBENZIOINE (Z9#57)	0.258	0.158	38.90			
33 413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7)	1.774	1.362	23.20			
34 405 BENZO(A)ANTHRACENE (G5#6)	1.215	1.140	6.17			
35 418 CHRYSENE (G5#8)	1.058	1.072	-1.38			
37 429 DI-N-OCTYL PHTHALATE (G6#2)	2.830	2.578	8.91	*		PASS
38 407 BENZO(B)FLUORANTHENE (G6#3)	1.631	0.932	42.80			
39 517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)	0.705	0.500	29.10			
40 409 BENZO(K)FLUORANTHENE (G6#4)	1.483	0.932	37.10			
41 406 BENZO(A)PYRENE (G6#5)	1.187	1.118	5.85	*		PASS
42 565 3-METHYLCHLORANTHRENE (F6#2)	0.694	0.653	5.94			
43 566 DIBENZO(A,J)ACRIDINE	0.983	0.894	8.96			
44 437 INDENO(1,2,3-C,D)PYRENE (G6#6)	1.422	1.168	17.90			
45 419 DIBENZO(A,H)ANTHRACENE (G6#7)	1.037	0.962	7.19			
46 408 BENZO(G,H,I)PERYLENE (G6#8)	1.106	0.980	11.40			
47 576 DIALLATE (CIS ISOMER)	0.145	0.156	-7.55			

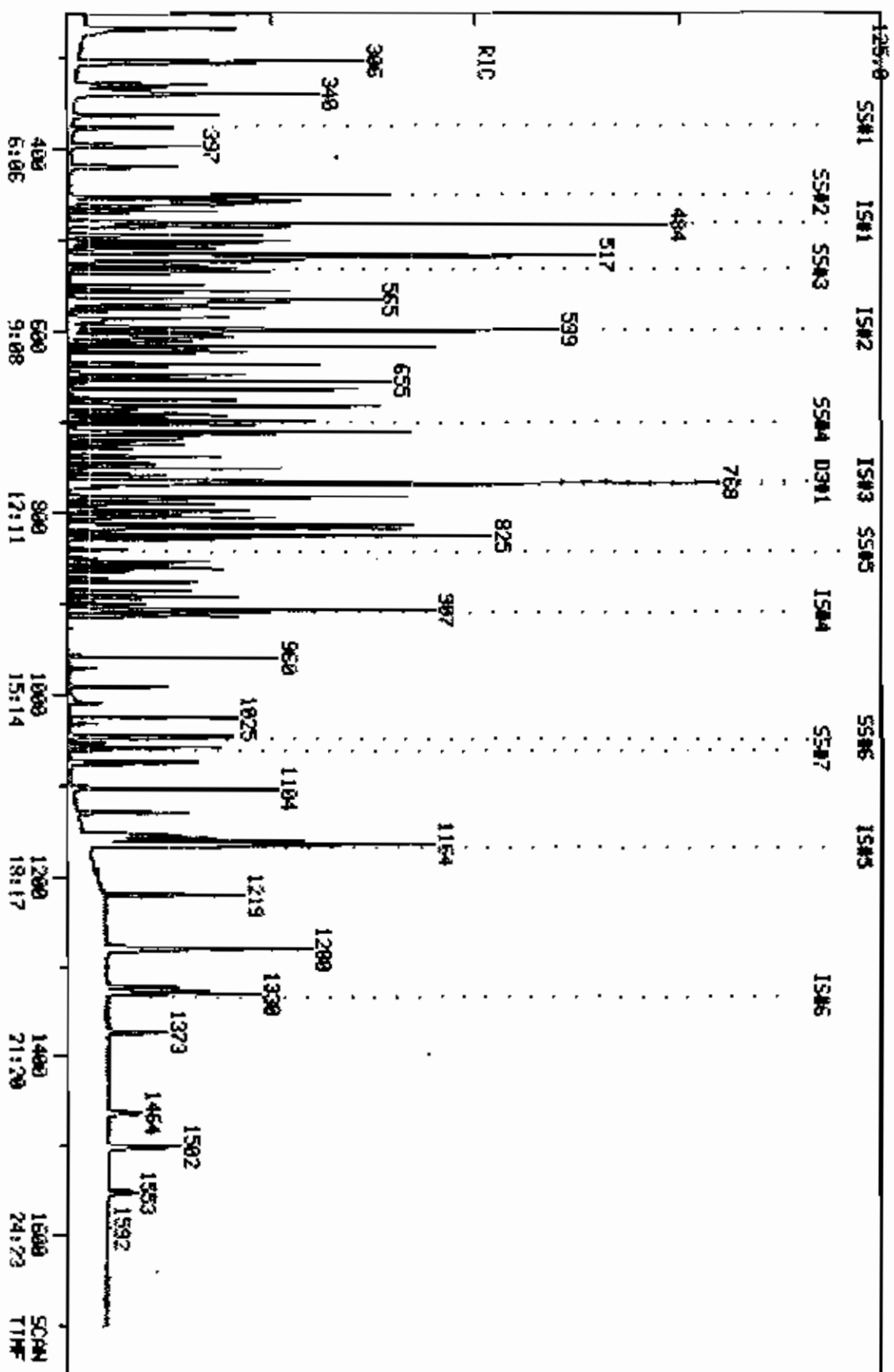
RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
BPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V3)

COMPUCHEM LABS  
 COMPUCHEM DATA: H1900400A22 SCANS 252 TO 1700  
 OUT OF 252 TO 1700  
 RIC  
 04/08/98 15:21:00  
 SAMPLE: 2 UL 31257-42305 20 MG 0278 VERSION 3 STD. (55TD0207)  
 COND.S:

544000.



QUANTITATION REPORT FILE: HI900408A22  
DATA: HI900408A22.TI  
04/08/90 15:21:00  
SAMPLE: 2 UL 31257-82386 20 NO 8270 VERSION 3 STD. (8ST0020)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (Z9#2)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10395-93-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <68-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (D1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	529 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLOROANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

QUANTITATION REPORT FILE: HI900408A22  
DATA: HI900408A22.TI  
04/08/90 15:21:00  
SAMPLE: 2 UL 31257-02386 20 MG 8270 VERSION 3 STD. (SST0020)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*474 D4-1,4-DICHLORO BENZENE (I8#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-73-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLACRYLATE (Z9#2)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10593-93-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLORO BENZENE (Q1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLORO BENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLORO BENZENE (Q1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I8#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROPIPERIDINE
34	438 ISOPHORONE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <88-75-5>
37	451 1,3,5-TRICHLORO BENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLORO BENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLOROANILINE (Q2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
48	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
49	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
50	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
51	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
52	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
53	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (IS#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (G3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
74	402 ACENAPHTHYLENE (G3#8) <208-96-8>
75	479 3-NITROANILINE (G3#9) <99-09-2>
76	401 ACENAPHTHENE (G3#10) <83-32-9>
77	*605 2,4-DINITROPHENOL (G3#11) <51-28-4>
78	607 4-NITROPHENOL (G3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
80	476 DIBENZOFURAN (G3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
88	432 FLUORENE (G3#18) <86-73-7>
89	480 4-NITROANILINE (G3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (IS#4)
93	*459 D12-CHRYSENE (IS#5)
94	*497 D10-PERYLENE (IS#6)
95	*619 2-FLUOROPHENOL (SS#1)
96	*612 D5-PHENOL (SS#2)
97	*447 D5-NITROBENZENE (SS#3)
98	*448 2-FLUOROBIPHENYL (SS#4)
99	*628 2,4,6-TRIBROMOPHENOL (SS#5)
100	*471 D10-PYRENE (SS#6)
101	*496 D14-TERPHENYL (SS#7)

NO	M/E	SCAN	TIME	REF	ART	METH	AREA(HGHT)	AMOUNT	ZTOT
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QUANTITATION REPORT FILE: HI900408A22  
DATA: HI900408A22.T1  
04/08/90 13:21:00  
SAMPLE: 2 UL 31257-#2386 20 NO 8270 VERSION 3 STD. (88TD020)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I5#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (Z9#2)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	539 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#8) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <341-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <105-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 D8-NAPHTHALENE (I5#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLOROANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9017) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9021) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2011) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9015) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9023) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9024) <924-16-3>
53	608 P-CHLORO-M-CREBOL (Q2012) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9020) <108-45-2>
55	503 SAFROLE (Z9027)
56	525 M-PHENYLENEDIAMINE (Z9026) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2013) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2028) <90-12-0>
59	*495 D10-ACENAPHTHENE (I803)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9031) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9029) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q302) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q303) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q304) <95-95-4>
65	527 ISOSAFROLE (Z9030) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q305) <91-58-7>
67	564 1-CHLORONAPHTHALENE (P402)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9028) <634-66-2>
69	478 2-NITROANILINE (Q306) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9032)
71	491 1,4-DINITROBENZENE (F302) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q307) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3015) <606-20-2>
74	402 ACENAPHTHYLENE (Q308) <208-96-8>
75	479 3-NITROANILINE (Q309) <99-09-2>
76	401 ACENAPHTHENE (Q3010) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3011) <51-28-4>
78	607 4-NITROPHENOL (Q3012) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3014) <121-14-2>
80	476 DIBENZOFURAN (Q3013) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9033)
82	484 2-NAPHTHYLAMINE (Z9035)
83	483 1-NAPHTHYLAMINE (Z9036)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9037)
85	424 DIETHYL PHTHALATE (Q3016) <84-66-2>
86	519 ZINOPHOS (Z9038)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3017) <7005-72-3>
88	432 FLUORENE (Q3018) <84-73-7>
89	480 4-NITROANILINE (Q3019) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9034)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9039)
92	*467 D10-PHENANTHRENE (I604)
93	*459 D12-CHRYSENE (I505)
94	*497 D10-PERYLENE (I506)
95	619 2-FLUOROPHENOL (S801)
96	612 D5-PHENOL (S802)
97	647 D5-NITROBENZENE (S803)
98	648 2-FLUOROBIPHENYL (S804)
99	628 2,4,6-TRIGROMOPHENOL (S805)
100	*471 D10-PYRENE (S806)
101	*496 D14-TERPHENYL (S807)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	XTDT
1	152	483	7:22	1	1.000	A BB	60188.	40.000 NO	1.95
2	42	268	4:05	1	0.555	A BB	50396.	13.796 NO	0.67
3	79	269	4:06	1	0.557	A BB	88560.	18.830 NO	0.92
4	69	306	4:40	1	0.634	A VV	81960.	17.203 NO	0.84
5	89	309	4:39	1	0.631	A BB	13260.	17.219 NO	0.84
6	93	330	5:02	1	0.683	A BB	73928.	18.798 NO	0.91
7	88	340	5:11	1	0.704	A BB	145960.	160.091 NO	7.79
8	80	364	5:33	1	0.754	A BB	58028.	18.716 NO	0.91
9	102	397	6:03	1	0.822	A BB	29488.	19.067 NO	0.93
10	109	420	6:24	1	0.870	A BB	29288.	15.769 NO	0.77
11	94	452	6:53	1	0.936	A BV	76304.	17.576 NO	0.86
12	93	457	6:58	1	0.946	A BV	102020.	15.187 NO	0.74
13	167	459	7:00	1	0.950	A BB	19160.	18.467 NO	0.90
14	93	461	7:01	1	0.954	A VB	74028.	17.006 NO	0.83
15	128	467	7:07	1	0.967	A BB	51176.	20.342 NO	0.99
16	146	480	7:19	1	0.994	A BV	53952.	21.617 NO	1.05
17	91	484	7:22	1	1.002	A BB	166040.	21.761 NO	1.06
18	146	484	7:22	1	1.002	A VB	55012.	20.339 NO	0.99
19	108	494	7:32	1	1.023	A BB	29392.	15.749 NO	0.77
20	146	501	7:38	1	1.037	A BB	46384.	18.725 NO	0.91
21	108	504	7:41	1	1.043	A BB	46492.	17.473 NO	0.85
22	45	509	7:45	1	1.054	A BB	65992.	14.325 NO	0.70
23	108	517	7:53	1	1.070	A BV <sup>5372</sup>	107144.	37.357 NO	1.82
24	108	517	7:53	1	1.070	A BV <sup>53572</sup>	107144.	37.357 NO	1.82
25	100	517	7:53	1	1.070	A BB	26996.	16.149 NO	0.79
26	116	519	7:54	1	1.075	A BB	11552.	16.646 NO	0.81
27	105	519	7:54	1	1.075	A BB	88572.	19.404 NO	0.94
28	70	520	7:55	1	1.077	A BB	56424.	16.355 NO	0.80
29	106	523	7:58	1	1.083	A BB	61004.	16.208 NO	0.79
30	117	530	8:05	1	1.097	A BB	28324.	16.626 NO	0.81
31	136	599	9:08	31	1.000	A BB	223816.	40.000 NO	1.95
32	77	535	8:09	31	0.893	A BB	69632.	15.355 NO	0.75
33	114	548	8:21	31	0.919	A BB	22472.	16.148 NO	0.79
34	82	556	8:28	31	0.928	A BB	134908.	16.060 NO	0.78
35	107	565	8:36	31	0.943	A BB	59696.	16.289 NO	0.79
36	139	564	8:36	31	0.942	A BB	19124.	14.846 NO	0.72
37	180	566	8:37	31	0.945	A BB	35020.	19.424 NO	0.95
38	125	568	8:39	31	0.948	A BB	90392.	19.257 NO	0.94
39	122	569	8:40	31	0.950	A VB	16216.	13.285 NO	0.69
40	93	574	8:45	31	0.958	A BB	63380.	15.914 NO	0.77
41	162	585	8:55	31	0.977	A BB	25656.	16.646 NO	0.81
42	180	594	9:03	31	0.992	A BB	30832.	17.688 NO	0.86
43	128	601	9:09	31	1.003	A BB	149880.	20.515 NO	1.00
44	127	604	9:12	31	1.008	A BB	71944.	17.571 NO	0.86
45	162	606	9:14	31	1.012	A BB	29112.	16.843 NO	0.82
46	108	608	9:16	31	1.015	A BB	34412.	24.563 NO	1.20
47	91	597	9:06	31	0.997	M XX	1948.	2.494 NO	0.12
48	213	612	9:19	31	1.022	A BB	16268.	14.681 NO	0.71
49	225	616	9:23	31	1.028	A BB	15128.	16.680 NO	0.81
50	180	617	9:24	31	1.030	A BB	31888.	18.460 NO	0.90
51	159	622	9:29	31	1.038	A BB	47544.	17.507 NO	0.85
52	84	637	9:42	31	1.063	A BB	41988.	28.938 NO	1.41
53	107	647	9:51	31	1.080	A BB	43812.	14.567 NO	0.71
54	108	647	9:51	31	1.080	A BB	3272.	5.231 NO	0.25
55	162	659	9:59	31	1.093	A BB	26900.	19.591 NO	0.95
56	108	655	9:59	31	1.093	A BB	9052.	6.541 NO	0.32

NO	N/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	ZTOT
57	142	664	10:07	31	1.109	A BB	100928.	17.805 NG	0.87
58	142	675	10:17	31	1.127	A BB	42464.	13.957 NG	0.68
59	164	765	11:39	59	1.000	A BB	103496.	40.000 NG	1.95
60	216	683	10:24	59	0.893	A BB <sup>29102</sup>	58404.	38.826 NG	1.89
61	216	683	10:24	59	0.893	A BB <sup>29202</sup>	58404.	38.826 NG	1.89
62	237	686	10:27	59	0.897	A BB	8864.	10.138 NG	0.49
63	196	692	10:33	59	0.905	M XX	14992.	14.310 NG	0.70
64	196	695	10:35	59	0.908	M XX	17644.	18.367 NG	0.89
65	162	703	10:43	59	0.919	A BB	21876.	15.154 NG	0.74
66	162	710	10:49	59	0.928	A BV	68448.	16.145 NG	0.79
67	162	714	10:53	59	0.933	A VB	36304.	17.504 NG	0.85
68	216	711	10:50	59	0.929	A BB	26440.	18.105 NG	0.88
69	65	720	10:58	59	0.941	A BB	21180.	11.704 NG	0.57
70	158	726	11:04	59	0.949	A BB	16072.	28.883 NG	1.41
71	168	730	11:07	59	0.954	A BB	7628.	13.521 NG	0.66
72	163	738	11:15	59	0.965	A BB	75696.	18.165 NG	0.88
73	165	745	11:21	59	0.974	A BB	11564.	13.959 NG	0.68
74	152	751	11:27	59	0.982	A BB	92456.	17.030 NG	0.83
75	138	759	11:34	59	0.992	A BB	14028.	14.278 NG	0.70
76	153	768	11:42	59	1.004	A BB	62768.	16.724 NG	0.81
77	184	769	11:43	59	1.005	A BB	3724.	13.164 NG	0.64
78	109	772	11:46	59	1.009	A BB	15780.	20.141 NG	0.98
79	165	783	11:56	59	1.024	A BB	16608.	14.593 NG	0.71
80	168	783	11:56	59	1.024	A BB	86496.	19.899 NG	0.97
81	250	785	11:58	59	1.026	A BB	21092.	18.442 NG	0.90
82	143	790	12:02	59	1.033	A BV	57052.	15.039 NG	0.73
83	143	797	12:09	59	1.042	A VB	52956.	15.196 NG	0.74
84	232	798	12:09	59	1.043	A BB	9736.	16.247 NG	0.79
85	149	805	12:16	59	1.052	A BB	81516.	18.010 NG	0.88
86	97	814	12:24	59	1.064	A BB	21420.	12.199 NG	0.59
87	204	814	12:24	59	1.064	A BB	23304.	17.669 NG	0.86
88	166	816	12:26	59	1.067	A BB	65084.	18.304 NG	0.89
89	138	817	12:27	59	1.068	A BB	15300.	15.334 NG	0.75
90	152	817	12:27	59	1.068	A BB	15416.	15.603 NG	0.76
91	77	829	12:38	59	1.084	A VB	99216.	10.707 NG	0.52
92	188	907	13:49	92	1.000	A BB	150184.	40.000 NG	1.95
93	240	1164	17:44	93	1.000	A BB	147800.	40.000 NG	1.95
94	264	1330	20:16	94	1.000	A BB	118024.	40.000 NG	1.95
95	112	377	5:45	1	0.781	A BB	47824.	16.716 NG	0.81
96	99	451	6:52	1	0.924	A BB	67956.	17.512 NG	0.85
97	82	533	8:07	31	0.890	A BB	76176.	15.355 NG	0.75
98	172	699	10:39	59	0.914	A BB	66064.	18.124 NG	0.88
99	330	840	12:48	59	1.098	A BB	6844.	17.159 NG	0.84
100	212	1045	15:55	93	0.898	A BB	72320.	17.140 NG	0.83
101	244	1058	16:07	93	0.909	A BB	67356.	18.629 NG	0.91

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:00	1.02	10.000	0.06	13.80	160.00	0.209	2.428	0.09
3	4:01	1.02	10.000	0.06	18.83	160.00	0.368	3.126	0.12
4	4:35	1.02	10.000	0.06	17.20	160.00	0.340	3.166	0.11
5	4:36	1.01	10.000	0.06	17.22	160.00	0.055	0.512	0.11
6	4:59	1.01	20.000	0.03	18.76	160.00	0.307	2.619	0.12
7	5:08	1.01	10.000	0.07	160.09	640.00	0.152	0.606	0.25
8	5:31	1.01	10.000	0.08	18.72	160.00	0.241	2.061	0.12
9	6:00	1.01	10.000	0.08	19.07	160.00	0.122	1.028	0.12

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:22	1.00	10.000	0.09	15.77	160.00	0.105	1.066	0.10
11	6:52	1.00	10.000	0.09	17.58	160.00	0.317	2.885	0.11
12	6:56	1.00	10.000	0.09	15.19	160.00	0.424	4.464	0.09
13	6:57	1.01	10.000	0.10	18.47	160.00	0.063	0.546	0.12
14	6:59	1.01	20.000	0.05	17.01	160.00	0.307	2.893	0.11
15	7:05	1.00	10.000	0.10	20.34	160.00	0.213	1.672	0.13
16	7:17	1.00	10.000	0.10	21.62	160.00	0.224	1.659	0.14
17	7:21	1.00	10.000	0.10	21.76	160.00	0.690	5.071	0.14
18	7:21	1.00	10.000	0.10	20.34	160.00	0.229	1.798	0.13
19	7:31	1.00	10.000	0.10	19.75	160.00	0.122	1.240	0.10
20	7:36	1.00	10.000	0.10	19.72	160.00	0.193	1.646	0.12
21	7:40	1.00	10.000	0.10	17.47	160.00	0.193	1.768	0.11
22	7:43	1.00	10.000	0.11	14.32	160.00	0.274	3.062	0.09
23	7:52	1.00	10.000	0.11	37.36	320.00	0.223	1.906	0.12
24	7:52	1.00	10.000	0.11	37.36	320.00	0.223	1.906	0.12
25	7:53	1.00	10.000	0.11	16.15	160.00	0.112	1.111	0.10
26	7:54	1.00	10.000	0.11	16.65	160.00	0.048	0.461	0.10
27	7:54	1.00	10.000	0.11	19.40	160.00	0.368	3.034	0.12
28	7:55	1.00	10.000	0.11	16.35	160.00	0.234	2.293	0.10
29	7:57	1.00	10.000	0.11	16.21	160.00	0.253	2.501	0.10
30	8:02	1.01	10.000	0.11	16.63	160.00	0.118	1.132	0.10
31	9:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	8:07	1.00	10.000	0.09	15.35	160.00	0.078	0.810	0.10
33	8:20	1.00	10.000	0.09	16.15	160.00	0.025	0.249	0.10
34	8:27	1.00	10.000	0.09	16.06	160.00	0.151	1.501	0.10
35	8:35	1.00	10.000	0.09	16.29	160.00	0.067	0.655	0.10
36	8:34	1.00	10.000	0.09	14.85	160.00	0.021	0.230	0.09
37	8:36	1.00	10.000	0.09	19.42	160.00	0.039	0.322	0.12
38	8:37	1.00	10.000	0.09	19.26	160.00	0.101	0.839	0.12
39	8:43	0.991	100.000	0.01	13.28	160.00	0.018	0.218	0.08
40	8:43	1.00	10.000	0.10	15.91	160.00	0.071	0.712	0.10
41	8:53	1.00	10.000	0.10	16.65	160.00	0.029	0.275	0.10
42	9:01	1.00	10.000	0.10	17.69	160.00	0.034	0.312	0.11
43	9:08	1.00	10.000	0.10	20.51	160.00	0.167	1.306	0.13
44	9:11	1.00	10.000	0.10	17.57	160.00	0.080	0.732	0.11
45	9:13	1.00	20.000	0.05	16.84	160.00	0.033	0.309	0.11
46	9:15	1.00	10.000	0.10	24.56	160.00	0.038	0.250	0.15
47	9:37	0.95	10.000	0.10	2.49	160.00	0.002	0.111	0.02
48	9:18	1.00	10.000	0.10	14.68	160.00	0.018	0.198	0.09
49	9:21	1.00	10.000	0.10	16.68	160.00	0.017	0.162	0.10
50	9:22	1.00	10.000	0.10	18.46	160.00	0.036	0.309	0.12
51	9:27	1.00	20.000	0.05	17.51	160.00	0.053	0.485	0.11
52	9:40	1.00	10.000	0.11	28.94	160.00	0.047	0.299	0.18
53	9:50	1.00	10.000	0.11	14.57	160.00	0.049	0.538	0.09
54	9:50	1.00	10.000	0.11	5.23	160.00	0.004	0.112	0.03
55	9:57	1.00	10.000	0.11	19.59	160.00	0.030	0.245	0.12
56	9:58	1.00	10.000	0.11	6.54	160.00	0.010	0.247	0.04
57	10:06	1.00	10.000	0.11	17.80	160.00	0.113	1.013	0.11
58	10:15	1.00	10.000	0.11	13.96	160.00	0.047	0.544	0.09
59	11:38	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:23	1.00	10.000	0.09	38.83	320.00	0.071	0.581	0.12
61	10:23	1.00	10.000	0.09	38.83	320.00	0.071	0.581	0.12
62	10:24	1.00	10.000	0.09	10.14	160.00	0.021	0.338	0.06
63	10:31	1.00	20.000	0.05	14.31	160.00	0.036	0.405	0.09
64	10:34	1.00	20.000	0.05	18.37	160.00	0.043	0.371	0.11
65	10:41	1.00	20.000	0.05	15.15	160.00	0.053	0.558	0.09

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RAT10
66	10:48	1.00	10.000	0.09	16.15	160.00	0.165	1.639	0.10
67	10:51	1.00	10.000	0.09	17.90	160.00	0.136	1.243	0.11
68	10:48	1.00	10.000	0.09	18.11	160.00	0.064	0.564	0.11
69	10:56	1.00	10.000	0.09	11.70	160.00	0.051	0.699	0.07
70	11:02	1.00	20.000	0.05	28.88	160.00	0.039	0.215	0.18
71	11:06	1.00	20.000	0.05	13.92	160.00	0.018	0.218	0.08
72	11:14	1.00	10.000	0.10	18.17	160.00	0.183	1.611	0.11
73	11:20	1.00	10.000	0.10	13.96	160.00	0.028	0.320	0.09
74	11:25	1.00	10.000	0.10	17.03	160.00	0.226	2.121	0.11
75	11:32	1.00	20.000	0.05	14.28	160.00	0.034	0.380	0.09
76	11:40	1.00	10.000	0.10	16.72	160.00	0.152	1.451	0.10
77	11:41	1.00	40.000	0.03	13.16	160.00	0.009	0.109	0.08
78	11:45	1.00	10.000	0.10	20.14	160.00	0.038	0.303	0.13
79	11:55	1.00	10.000	0.10	14.99	160.00	0.040	0.440	0.09
80	11:54	1.00	10.000	0.10	19.90	160.00	0.209	1.680	0.12
81	11:56	1.00	10.000	0.10	18.44	160.00	0.051	0.442	0.12
82	12:00	1.00	20.000	0.05	19.04	160.00	0.138	1.466	0.09
83	12:07	1.00	20.000	0.05	19.20	160.00	0.128	1.347	0.09
84	12:08	1.00	20.000	0.05	16.29	160.00	0.024	0.232	0.10
85	12:15	1.00	10.000	0.11	18.01	160.00	0.197	1.749	0.11
86	12:23	1.00	10.000	0.11	12.20	160.00	0.052	0.679	0.08
87	12:22	1.00	10.000	0.11	17.67	160.00	0.056	0.510	0.11
88	12:24	1.00	10.000	0.11	18.30	160.00	0.157	1.374	0.11
89	12:27	1.00	20.000	0.09	15.33	160.00	0.037	0.386	0.10
90	12:26	1.00	20.000	0.05	15.60	160.00	0.037	0.382	0.10
91	12:36	1.00	10.000	0.11	10.71	160.00	0.240	3.581	0.07
92	13:47	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:44	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	20:17	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:43	1.01	0.742	1.09	16.72	160.00	0.199	1.901	0.10
96	6:51	1.00	0.948	0.98	17.51	160.00	0.282	2.579	0.11
97	8:06	1.00	0.875	1.02	15.36	160.00	0.085	0.887	0.10
98	10:37	1.00	0.906	1.01	18.12	160.00	0.160	1.409	0.11
99	12:46	1.00	1.118	0.98	17.16	160.00	0.017	0.154	0.11
100	19:55	1.00	10.000	0.09	17.14	160.00	0.122	1.142	0.11
101	16:06	1.00	0.907	1.00	18.63	160.00	0.114	0.979	0.12

QUANTITATION REPORT FILE: H1900408A22  
DATA: H1900408A22.TI  
04/08/90 15:21:00  
SAMPLE: 2 UL 31257-82386 20 NO 8270 VERSION 3 STD. (5STD020)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*467 D10-PHENANTHRENE (I6#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (I9#41)
6	539 PHENACETIN (I9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (I9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBI-PHENYL (I9#45)
12	522 PRONAMIDE (I9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (I9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (I9#48)
19	549 CYCLOPHOSPHAMIDE (I9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (I8#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (I9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (I9#51)
26	523 CHLOROBENZILATE (I9#52)
27	545 3,3'-DIMETHYLBENZOINE (I9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F3#2)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (I9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (I9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 O10-PERYLENE (I8#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (I9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRTOINE
44	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 OIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 376 DIALATE (CIS ISOMER)

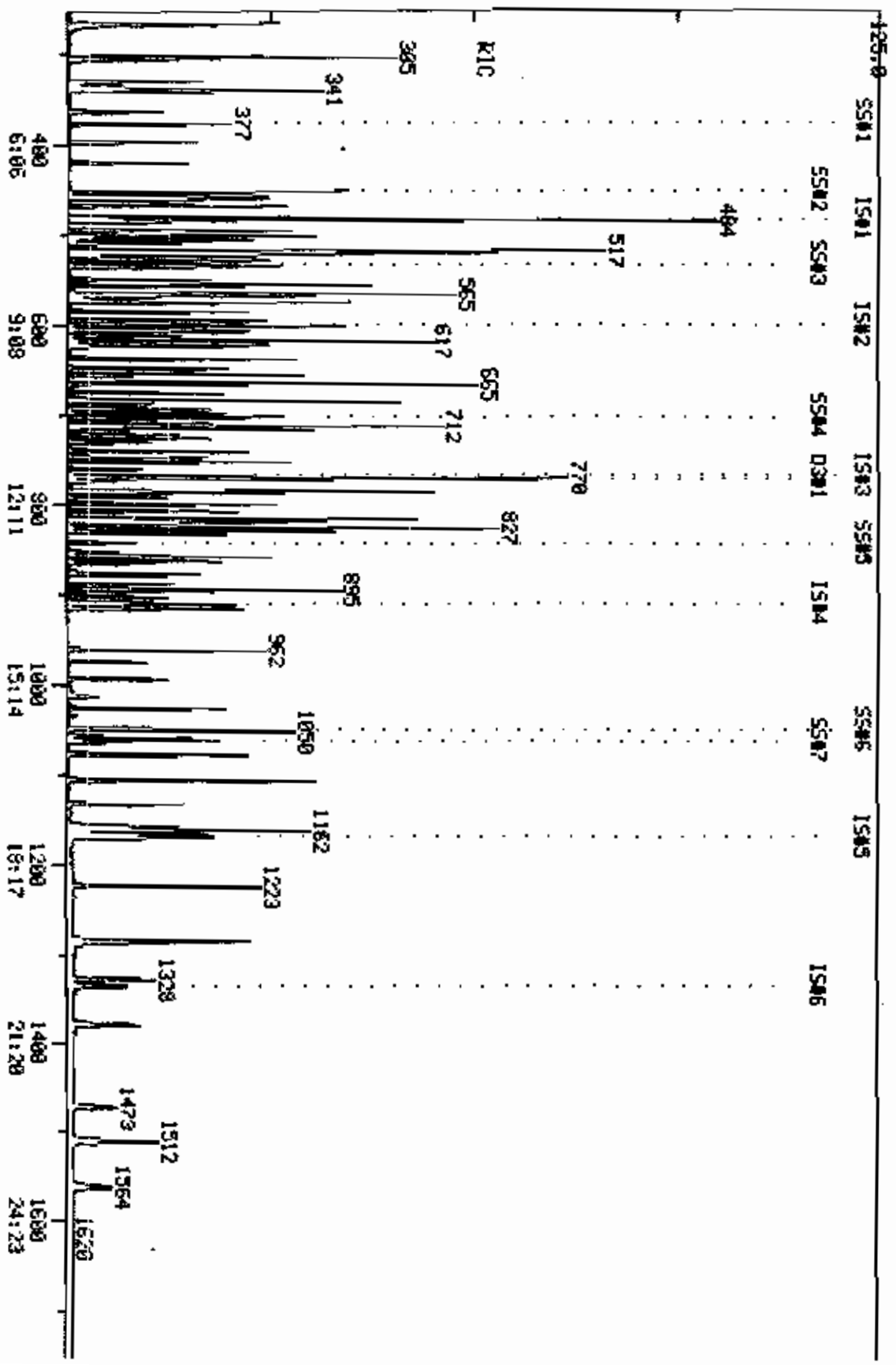
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	%TOT
1	188	907	13:49	1	1.000	A BB	150184.	40.000 NG	3.91
2	198	822	12:31	1	0.906	A BB	4492.	10.051 NG	0.98
3	169	825	12:34	1	0.910	A BB	51902 103804.	37.387 NG	3.65
4	169	825	12:34	1	0.910	A BB	51902 103804.	37.387 NG	3.65
5	213	850	12:57	1	0.937	A BB	4164.	11.957 NG	1.17
6	108	854	13:01	1	0.942	A BB	39136.	15.811 NG	1.55
7	248	861	13:07	1	0.949	A BB	13788.	17.430 NG	1.70
8	234	855	13:02	1	0.943	A BB	4268.	10.861 NG	1.06
9	125	873	13:18	1	0.963	A BB	11564.	18.184 NG	1.78
10	284	877	13:22	1	0.967	A BB	18840.	19.417 NG	1.90
11	169	886	13:30	1	0.977	A BB	52688.	21.331 NG	2.09
12	173	892	13:35	1	0.983	A BB	27784.	16.866 NG	1.65
13	266	893	13:36	1	0.985	A BB	6848.	11.949 NG	1.17
14	237	900	13:43	1	0.992	A BB	6536.	17.043 NG	1.67
15	178	909	13:51	1	1.002	A BV	81136.	18.020 NG	1.76
16	178	913	13:55	1	1.007	A VB	85520.	19.125 NG	1.87
17	149	960	14:38	1	1.058	A BB	130488.	17.396 NG	1.70
18	97	991	15:06	1	1.093	A BB	35624.	18.221 NG	1.78
19	211	1010	15:23	1	1.114	A BB	7896.	66.656 NG	6.52
20	202	1025	15:37	1	1.130	A BB	84760.	18.675 NG	1.83
21	240	1164	17:44	21	1.000	A BB	147800.	40.000 NG	3.91
22	184	1033	15:44	21	0.887	A BB	14976.	44.415 NG	4.34
23	202	1047	15:57	21	0.899	A BB	90188.	18.471 NG	1.81
24	185	1061	16:10	21	0.912	A BB	7108.	15.618 NG	1.53
25	225	1072	16:20	21	0.921	A BB	14060.	15.672 NG	1.53
26	139	1076	16:24	21	0.924	A BB	47688.	14.586 NG	1.43
27	212	1103	16:48	21	0.948	A BB	37836.	22.890 NG	2.24
28	149	1104	16:49	21	0.948	A BB	59424.	15.712 NG	1.54
29	181	1130	17:13	21	0.971	A BB	27132.	13.832 NG	1.35
30	231	1155	17:36	21	0.992	A BB	11584.	16.070 NG	1.57
31	252	1156	17:37	21	0.993	A BB	17680.	16.463 NG	1.61
32	244	1153	17:34	21	0.991	A BB	15340.	26.358 NG	2.58
33	149	1159	17:40	21	0.996	A BV	84592.	16.809 NG	1.64
34	228	1162	17:42	21	0.998	A BV	81100.	19.253 NG	1.88
35	228	1166	17:46	21	1.002	A VB	77500.	19.556 NG	1.91
36	264	1330	20:16	36	1.000	A BB	118024.	40.000 NG	3.91
37	149	1219	18:34	36	0.917	A BV	131832.	17.329 NG	1.69
38	252	1280	19:30	36	0.962	A BB	57042 114084.	41.465 NG	4.05
39	256	1280	19:30	36	0.962	A BB	31100.	21.070 NG	2.06
40	252	1280	19:30	36	0.962	A BB	57042 114084.	41.465 NG	4.05
41	252	1322	20:09	36	0.994	A BV	60844.	18.451 NG	1.80
42	268	1373	20:55	36	1.032	A BB	32132.	16.686 NG	1.63
43	279	1464	22:18	36	1.101	A BB	35744.	13.542 NG	1.32
44	276	1502	22:53	36	1.129	A BB	53708.	15.578 NG	1.52
45	278	1501	22:52	36	1.129	A BB	42692.	15.036 NG	1.47
46	276	1553	23:40	36	1.168	A BB	40252.	13.919 NG	1.36
47	234	864	13:10	1	0.953	A BB	5260.	8.981 NG	0.88

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	13:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:34	1.00	30.000	0.03	10.05	50.00	0.024	0.119	0.20
3	12:36	1.00	10.000	0.09	37.39	100.00	0.276	0.739	0.37
4	12:36	1.00	10.000	0.09	37.39	100.00	0.276	0.739	0.37

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	13:01	1.00	20.000	0.05	11.96	50.00	0.022	0.093	0.24
6	13:03	1.00	10.000	0.09	15.81	50.00	0.208	0.659	0.32
7	13:08	1.00	10.000	0.09	17.43	50.00	0.073	0.211	0.35
8	13:03	1.00	10.000	0.09	10.86	25.00	0.043	0.105	0.43
9	13:21	1.00	10.000	0.10	18.18	50.00	0.062	0.169	0.36
10	13:24	1.00	10.000	0.10	19.42	50.00	0.100	0.258	0.39
11	13:32	1.00	10.000	0.10	21.33	50.00	0.281	0.658	0.43
12	13:38	1.00	10.000	0.10	16.87	50.00	0.148	0.439	0.34
13	13:38	1.00	20.000	0.05	11.95	50.00	0.036	0.153	0.24
14	13:45	1.00	10.000	0.10	17.04	50.00	0.035	0.102	0.34
15	13:53	1.00	10.000	0.10	18.02	50.00	0.432	1.199	0.36
16	13:57	1.00	10.000	0.10	19.13	50.00	0.456	1.191	0.38
17	14:39	1.00	10.000	0.11	17.40	50.00	0.695	1.998	0.35
18	15:09	1.00	20.000	0.05	18.22	50.00	0.190	0.521	0.36
19	15:27	1.00	50.000	0.02	66.66	200.00	0.011	0.032	0.33
20	15:39	1.00	10.000	0.11	18.68	50.00	0.451	1.209	0.37
21	17:47	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:46	1.00	10.000	0.09	44.41	50.00	0.081	0.091	0.89
23	16:00	1.00	10.000	0.09	18.47	50.00	0.488	1.321	0.37
24	16:13	1.00	20.000	0.05	15.62	50.00	0.038	0.123	0.31
25	16:23	1.00	10.000	0.09	15.67	50.00	0.076	0.243	0.31
26	16:26	1.00	10.000	0.09	14.99	50.00	0.258	0.885	0.29
27	16:51	1.00	20.000	0.05	22.89	50.00	0.205	0.447	0.46
28	16:52	1.00	10.000	0.09	15.71	50.00	0.322	1.024	0.31
29	17:16	1.00	10.000	0.10	13.83	50.00	0.147	0.531	0.28
30	17:39	1.00	10.000	0.10	16.07	50.00	0.063	0.195	0.32
31	17:40	1.00	10.000	0.10	16.46	50.00	0.096	0.291	0.33
32	17:37	1.00	10.000	0.10	26.36	50.00	0.083	0.158	0.53
33	17:42	1.00	10.000	0.10	16.81	50.00	0.458	1.362	0.34
34	17:45	1.00	10.000	0.10	19.25	50.00	0.439	1.140	0.39
35	17:49	1.00	10.000	0.10	19.56	50.00	0.419	1.073	0.39
36	20:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:38	1.00	10.000	0.09	17.33	50.00	0.894	2.578	0.35
38	19:35	1.00	10.000	0.10	41.46	100.00	0.387	0.932	0.41
39	19:35	1.00	10.000	0.10	21.07	50.00	0.211	0.500	0.42
40	19:35	1.00	10.000	0.10	41.46	100.00	0.387	0.932	0.41
41	20:14	1.00	10.000	0.10	18.45	50.00	0.412	1.118	0.37
42	21:02	0.99	10.000	0.10	16.69	50.00	0.218	0.653	0.33
43	22:27	0.99	10.000	0.11	13.94	50.00	0.242	0.895	0.27
44	23:03	0.99	10.000	0.11	15.58	50.00	0.364	1.168	0.31
45	23:02	0.99	10.000	0.11	15.04	50.00	0.289	0.962	0.30
46	23:50	0.99	10.000	0.12	13.92	50.00	0.273	0.980	0.28
47	13:12	1.00	10.000	0.10	8.98	25.00	0.056	0.156	0.36

RIC  
 04/09/90 13:37:00  
 SAMPLE: 2 U.L. 31259-#2307 99 HG 8279 VERSION 3 STD. (S10650)  
 COND. 1

COMPUTHER LABS  
 COMPUTHER DATA: HG900408R22 SQANS 252 TO 1752  
 OUT OF 252 TO 2800





QUANTITATION REPORT FILE: HG900408A22  
DATA: HG900408A22.TI  
04/08/90 13:37:00  
SAMPLE: 2 UL 31258-#2387 50 NG 8270 VERSION 3 STD. (SSTD050)  
CONDB. :  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I#1)
2	441 N-NITROBIS(METHYLAMINE) (G1#2) <62-75-9>
3	461 PYRIDINE (Z#1)
4	509 ETHYL METHACRYLATE (Z#2)
5	542 PARALDEHYDE (Z#3)
6	510 2-PICOLINE (Z#5A)
7	535 NITROSMETHYLETNYLAMINE (Z#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z#6)
10	514 ETHYL METHANESULFONATE (Z#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z#12) <59-89-2>
27	500 ACETOPHENONE (Z#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLORODANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z#18)
46	524 O-PHENYLENEOXYAMINE (Z#19) <108-45-2>

47	515	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537	HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434	HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450	1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534	BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536	N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608	P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526	P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503	BAFROLE (Z9#27)
56	525	M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477	2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569	1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495	D10-ACENAPHTHENE (I8#3)
60	457	1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513	1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435	HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611	2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626	2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527	IBOSAFROLE (Z9#30) <120-58-1>
66	416	2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564	1-CHLORONAPHTHALENE (F4#2)
68	456	1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478	2-NITROANILINE (Q3#6) <88-74-4>
70	504	1,4-NAPHTHOQUINONE (Z9#32)
71	491	1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425	DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428	2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402	ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479	3-NITROANILINE (Q3#9) <99-09-2>
76	401	ACENAPHTHENE (Q3#10) <83-32-9>
77	*605	2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607	4-NITROPHENOL (Q3#12) <100-02-7>
79	427	2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476	DIBENZOFURAN (Q3#13) <132-64-9>
81	507	PENTACHLOROBENZENE (Z9#33)
82	484	2-NAPHTHYLAMINE (Z9#35)
83	483	1-NAPHTHYLAMINE (Z9#36)
84	630	2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424	DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519	ZINOPHOS (Z9#38)
87	417	4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432	FLUORENE (Q3#18) <86-73-7>
89	480	4-NITROANILINE (Q3#19) <100-01-6>
90	498	5-NITRO-O-TOLUIDINE (Z9#34)
91	430	1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467	D10-PHENANTHRENE (I8#4)
93	*459	D12-CHRYSENE (I8#5)
94	*497	D10-PERYLENE (I8#6)
95	*619	2-FLUOROPHENOL (88#1)
96	*612	D5-PHENOL (88#2)
97	*447	D5-NITROBENZENE (88#3)
98	*448	2-FLUOROBIPHENYL (88#4)
99	*628	2,4,6-TRIBROMOPHENOL (88#5)
100	*471	D10-PYRENE (88#6)
101	*496	D14-TERPHENYL (88#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	XTOT
1	152	483	7:22	1	1.000	A BB	142876.	40.000 NG	0.75
2	42	267	4:04	1	0.553	A BV	308528.	50.000 NG	0.94
3	79	268	4:05	1	0.555	A BV	508256.	50.000 NG	0.94
4	69	305	4:39	1	0.631	A BV	499278.	50.000 NG	0.94
5	89	305	4:39	1	0.631	A BB	83648.	50.000 NG	0.94
6	93	330	5:02	1	0.683	A BB	419772.	50.000 NG	0.94
7	88	341	5:12	1	0.706	A BB	835852.	200.000 NG	3.75
8	80	364	5:33	1	0.734	A BB	263788.	50.000 NG	0.94
9	102	396	6:02	1	0.820	A BB	201072.	50.000 NG	0.94
10	109	419	6:23	1	0.867	A BB	180456.	50.000 NG	0.94
11	94	432	6:53	1	0.936	A BV	466576.	50.000 NG	0.94
12	93	457	6:58	1	0.946	M XX	490984.	50.000 NG	0.94
13	167	458	6:59	1	0.948	A BB	106080.	50.000 NG	0.94
14	93	460	7:01	1	0.952	M XX	413076.	50.000 NG	0.94
15	128	467	7:07	1	0.967	A BB	321092.	50.000 NG	0.94
16	146	480	7:19	1	0.994	A BV	279176.	50.000 NG	0.94
17	91	484	7:22	1	1.002	A BB	982720.	50.000 NG	0.94
18	146	484	7:22	1	1.002	A VB	336284.	50.000 NG	0.94
19	108	494	7:32	1	1.023	A BV	203384.	50.000 NG	0.94
20	146	501	7:38	1	1.037	A BB	287228.	50.000 NG	0.94
21	108	505	7:42	1	1.046	A VB	308160.	50.000 NG	0.94
22	45	508	7:44	1	1.052	A*BB	440252.	50.000 NG	0.94
23	108	517	7:53	1	1.070	A BV <sup>320590</sup>	641180.	100.001 NG	1.87
24	108	517	7:53	1	1.070	A BV <sup>320590</sup>	641180.	100.001 NG	1.87
25	100	518	7:54	1	1.072	A BB	178256.	50.000 NG	0.94
26	116	519	7:54	1	1.075	A BB	79620.	50.000 NG	0.94
27	105	519	7:54	1	1.075	A BB	541500.	50.000 NG	0.94
28	70	521	7:56	1	1.079	A BB	391764.	50.000 NG	0.94
29	106	523	7:58	1	1.083	A BB	391696.	50.000 NG	0.94
30	117	529	8:04	1	1.095	A BB	187228.	50.000 NG	0.94
31	136	599	9:08	31	1.000	A BB	492280.	40.000 NG	0.75
32	77	535	8:09	31	0.893	A BB	459900.	50.000 NG	0.94
33	114	548	8:21	31	0.915	A BB	150052.	50.000 NG	0.94
34	82	556	8:28	31	0.928	A BV	858664.	50.000 NG	0.94
35	107	565	8:36	31	0.943	A BB	400536.	50.000 NG	0.94
36	139	564	8:36	31	0.942	A BB	142300.	50.000 NG	0.94
37	180	566	8:37	31	0.945	A BB	208824.	50.000 NG	0.94
38	125	567	8:38	31	0.947	A BB	528784.	50.000 NG	0.94
39	122	573	8:44	31	0.957	A VV	150508.	50.000 NG	0.94
40	93	574	8:45	31	0.958	A BB	431236.	50.000 NG	0.94
41	162	585	8:55	31	0.977	A BB	172132.	50.000 NG	0.94
42	180	594	9:03	31	0.992	A BB	185112.	50.000 NG	0.94
43	128	601	9:09	31	1.003	A BV	764896.	50.000 NG	0.94
44	127	605	9:13	31	1.010	A BB	403588.	50.000 NG	0.94
45	162	606	9:14	31	1.012	A BB	191632.	50.000 NG	0.94
46	108	612	9:19	31	1.022	A BB	35800.	50.000 NG	0.94
47	91	624	9:30	31	1.042	M XX	38060.	50.000 NG	0.94
48	213	612	9:19	31	1.022	A BB	97984.	50.000 NG	0.94
49	225	616	9:23	31	1.028	A BB	96168.	50.000 NG	0.94
50	180	617	9:24	31	1.030	A BB	186692.	50.000 NG	0.94
51	159	622	9:29	31	1.038	A BB	298876.	50.000 NG	0.94
52	84	637	9:42	31	1.063	A BB	257804.	50.000 NG	0.94
53	107	647	9:51	31	1.080	A BV	304028.	50.000 NG	0.94
54	108	647	9:51	31	1.080	A BB	20360.	50.000 NG	0.94
55	162	655	9:59	31	1.093	A BB	166608.	50.000 NG	0.94
56	108	655	9:59	31	1.093	A BB	888.	50.000 NG	0.94

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
57	142	665	10:08	31	1.110	A BB	619728.	50.000 NG	0.94
58	142	675	10:17	31	1.127	A BB	262028.	50.000 NG	0.94
59	164	766	11:40	59	1.000	A BB	232564.	40.000 NG	0.75
60	216 <sup>60</sup>	684	10:25	59	0.893	A BB <sup>10425</sup>	328576.	100.001 NG	1.87
61	216 <sup>61</sup>	684	10:25	59	0.893	A BB <sup>10425</sup>	328576.	100.001 NG	1.87
62	237	686	10:27	59	0.896	A BB	29192.	50.000 NG	0.94
63	196	692	10:33	59	0.903	A BV	106888.	50.000 NG	0.94
64	196	696	10:36	59	0.909	A VB	110232.	50.000 NG	0.94
65	162	704	10:44	59	0.919	A BB	136072.	50.000 NG	0.94
66	162	711	10:50	59	0.928	A BV	426428.	50.000 NG	0.94
67	162	715	10:54	59	0.933	A VB	335608.	50.000 NG	0.94
68	216	712	10:51	59	0.930	A BB	158272.	50.000 NG	0.94
69	65	721	10:59	59	0.941	A BV	164124.	50.000 NG	0.94
70	158	727	11:05	59	0.949	A BB	124008.	50.000 NG	0.94
71	168	731	11:08	59	0.954	A BB	62748.	50.000 NG	0.94
72	163	740	11:16	59	0.966	A BB	422412.	50.000 NG	0.94
73	165	747	11:23	59	0.975	A BB	88468.	50.000 NG	0.94
74	152	752	11:27	59	0.982	A BB	577712.	50.000 NG	0.94
75	138	760	11:35	59	0.992	A BV	104472.	50.000 NG	0.94
76	153	770	11:44	59	1.005	A BB	377168.	50.000 NG	0.94
77	184	770	11:44	59	1.005	A BB	35176.	50.000 NG	0.94
78	109	773	11:47	59	1.009	A BV	97452.	50.000 NG	0.94
79	165	785	11:58	59	1.025	A BB	126916.	50.000 NG	0.94
80	168	785	11:58	59	1.025	A BB	494572.	50.000 NG	0.94
81	250	787	11:59	59	1.027	A BB	133416.	50.000 NG	0.94
82	143	792	12:04	59	1.034	A VV	229844.	50.000 NG	0.94
83	143	799	12:10	59	1.043	A VB	232553.	50.000 NG	0.94
84	232	799	12:10	59	1.043	A BB	64520.	50.000 NG	0.94
85	149	807	12:18	59	1.054	A BV	472256.	50.000 NG	0.94
86	97	816	12:26	59	1.063	A BV	157744.	50.000 NG	0.94
87	204	815	12:25	59	1.064	A BB	143876.	50.000 NG	0.94
88	166	818	12:28	59	1.068	A BB	386152.	50.000 NG	0.94
89	138	820	12:30	59	1.070	A BV	106000.	50.000 NG	0.94
90	152	819	12:29	59	1.069	A BV	110812.	50.000 NG	0.94
91	77	831	12:40	59	1.085	A VB	705807.	50.000 NG	0.94
92	188	909	13:51	92	1.000	A BB	319312.	40.000 NG	0.75
93	240	1167	17:47	93	1.000	A BV	297472.	40.000 NG	0.75
94	264	1335	20:20	94	1.000	M XX	257568.	40.000 NG	0.75
95	112	377	5:45	1	0.781	A BB	317900.	50.000 NG	0.94
96	99	451	6:52	1	0.934	A BV	414876.	50.000 NG	0.94
97	82	533	8:07	31	0.890	A VB	432336.	50.000 NG	0.94
98	172	700	10:40	59	0.914	A BB	382304.	50.000 NG	0.94
99	330	842	12:50	59	1.099	A BB	40656.	50.000 NG	0.94
100	212	1048	15:58	93	0.898	A BV	419833.	50.000 NG	0.94
101	244	1061	16:10	93	0.909	A BB	367732.	50.000 NG	0.94

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:04	1.00	10.000	0.06	50.00	50.00	1.728	1.728	1.00
3	4:05	1.00	10.000	0.06	50.00	50.00	2.846	2.846	1.00
4	4:39	1.00	10.000	0.06	50.00	50.00	2.796	2.796	1.00
5	4:39	1.00	10.000	0.06	50.00	50.00	0.468	0.468	1.00
6	5:02	1.00	20.000	0.03	50.00	50.00	2.350	2.350	1.00
7	5:12	1.00	10.000	0.07	200.00	200.00	1.170	1.170	1.00
8	5:33	1.00	10.000	0.08	50.00	50.00	1.488	1.488	1.00
9	6:02	1.00	10.000	0.08	50.00	50.00	1.126	1.126	1.00

NO	RET(L)	RATIO	RRT(L)	RATID	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:23	1.00	10.000	0.09	50.00	50.00	1.010	1.010	1.00
11	6:53	1.00	10.000	0.09	50.00	50.00	2.612	2.612	1.00
12	6:58	1.00	10.000	0.09	50.00	50.00	2.749	2.749	1.00
13	6:59	1.00	10.000	0.09	50.00	50.00	0.594	0.594	1.00
14	7:01	1.00	20.000	0.05	50.00	50.00	2.313	2.313	1.00
15	7:07	1.00	10.000	0.10	50.00	50.00	1.798	1.798	1.00
16	7:19	1.00	10.000	0.10	50.00	50.00	1.563	1.563	1.00
17	7:22	1.00	10.000	0.10	50.00	50.00	5.503	5.503	1.00
18	7:22	1.00	10.000	0.10	50.00	50.00	1.883	1.883	1.00
19	7:32	1.00	10.000	0.10	50.00	50.00	1.139	1.139	1.00
20	7:38	1.00	10.000	0.10	50.00	50.00	1.608	1.608	1.00
21	7:42	1.00	10.000	0.10	50.00	50.00	1.725	1.725	1.00
22	7:44	1.00	10.000	0.11	50.00	50.00	2.465	2.465	1.00
23	7:53	1.00	10.000	0.11	100.00	100.00	1.795	1.795	1.00
24	7:53	1.00	10.000	0.11	100.00	100.00	1.795	1.795	1.00
25	7:54	1.00	10.000	0.11	50.00	50.00	0.998	0.998	1.00
26	7:54	1.00	10.000	0.11	50.00	50.00	0.446	0.446	1.00
27	7:54	1.00	10.000	0.11	50.00	50.00	3.032	3.032	1.00
28	7:56	1.00	10.000	0.11	50.00	50.00	2.194	2.194	1.00
29	7:58	1.00	10.000	0.11	50.00	50.00	2.193	2.193	1.00
30	8:04	1.00	10.000	0.11	50.00	50.00	1.048	1.048	1.00
31	9:08	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	8:09	1.00	10.000	0.09	50.00	50.00	0.747	0.747	1.00
33	8:21	1.00	10.000	0.09	50.00	50.00	0.244	0.244	1.00
34	8:28	1.00	10.000	0.09	50.00	50.00	1.395	1.395	1.00
35	8:36	1.00	10.000	0.09	50.00	50.00	0.651	0.651	1.00
36	8:36	1.00	10.000	0.09	50.00	50.00	0.231	0.231	1.00
37	8:37	1.00	10.000	0.09	50.00	50.00	0.339	0.339	1.00
38	8:38	1.00	10.000	0.09	50.00	50.00	0.859	0.859	1.00
39	8:44	1.00	10.000	0.01	50.00	50.00	0.245	0.245	1.00
40	8:45	1.00	10.000	0.10	50.00	50.00	0.701	0.701	1.00
41	8:55	1.00	10.000	0.10	50.00	50.00	0.280	0.280	1.00
42	9:03	1.00	10.000	0.10	50.00	50.00	0.301	0.301	1.00
43	9:09	1.00	10.000	0.10	50.00	50.00	1.243	1.243	1.00
44	9:13	1.00	10.000	0.10	50.00	50.00	0.656	0.656	1.00
45	9:14	1.00	20.000	0.05	50.00	50.00	0.311	0.311	1.00
46	9:19	1.00	10.000	0.10	50.00	50.00	0.058	0.058	1.00
47	9:30	1.00	10.000	0.10	50.00	50.00	0.062	0.062	1.00
48	9:19	1.00	10.000	0.10	50.00	50.00	0.159	0.159	1.00
49	9:23	1.00	10.000	0.10	50.00	50.00	0.156	0.156	1.00
50	9:24	1.00	10.000	0.10	50.00	50.00	0.303	0.303	1.00
51	9:29	1.00	20.000	0.05	50.00	50.00	0.486	0.486	1.00
52	9:42	1.00	10.000	0.11	50.00	50.00	0.419	0.419	1.00
53	9:51	1.00	10.000	0.11	50.00	50.00	0.494	0.494	1.00
54	9:51	1.00	10.000	0.11	50.00	50.00	0.033	0.033	1.00
55	9:59	1.00	10.000	0.11	50.00	50.00	0.271	0.271	1.00
56	9:59	1.00	10.000	0.11	50.00	50.00	0.001	0.001	1.00
57	10:08	1.00	10.000	0.11	50.00	50.00	1.007	1.007	1.00
58	10:17	1.00	10.000	0.11	50.00	50.00	0.426	0.426	1.00
59	11:40	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:25	1.00	10.000	0.09	100.00	100.00	0.565	0.565	1.00
61	10:25	1.00	10.000	0.09	100.00	100.00	0.565	0.565	1.00
62	10:27	1.00	10.000	0.09	50.00	50.00	0.100	0.100	1.00
63	10:33	1.00	20.000	0.05	50.00	50.00	0.368	0.368	1.00
64	10:36	1.00	20.000	0.05	50.00	50.00	0.379	0.379	1.00
65	10:44	1.00	20.000	0.05	50.00	50.00	0.468	0.468	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:50	1.00	10.000	0.09	50.00	50.00	1.467	1.467	1.00
67	10:54	1.00	10.000	0.09	50.00	50.00	1.154	1.154	1.00
68	10:51	1.00	10.000	0.09	50.00	50.00	0.544	0.544	1.00
69	10:59	1.00	10.000	0.09	50.00	50.00	0.565	0.565	1.00
70	11:05	1.00	20.000	0.05	50.00	50.00	0.427	0.427	1.00
71	11:06	1.00	20.000	0.05	50.00	50.00	0.216	0.216	1.00
72	11:16	1.00	10.000	0.10	50.00	50.00	1.453	1.453	1.00
73	11:23	1.00	10.000	0.10	50.00	50.00	0.304	0.304	1.00
74	11:27	1.00	10.000	0.10	50.00	50.00	1.987	1.987	1.00
75	11:35	1.00	20.000	0.05	50.00	50.00	0.359	0.359	1.00
76	11:44	1.00	10.000	0.10	50.00	50.00	1.297	1.297	1.00
77	11:44	1.00	40.000	0.03	50.00	50.00	0.121	0.121	1.00
78	11:47	1.00	10.000	0.10	50.00	50.00	0.335	0.335	1.00
79	11:56	1.00	10.000	0.10	50.00	50.00	0.437	0.437	1.00
80	11:56	1.00	10.000	0.10	50.00	50.00	1.701	1.701	1.00
81	11:59	1.00	10.000	0.10	50.00	50.00	0.459	0.459	1.00
82	12:04	1.00	20.000	0.05	50.00	50.00	0.791	0.791	1.00
83	12:10	1.00	20.000	0.05	50.00	50.00	0.800	0.800	1.00
84	12:10	1.00	20.000	0.05	50.00	50.00	0.222	0.222	1.00
85	12:18	1.00	10.000	0.11	50.00	50.00	1.625	1.625	1.00
86	12:26	1.00	10.000	0.11	50.00	50.00	0.543	0.543	1.00
87	12:25	1.00	10.000	0.11	50.00	50.00	0.495	0.495	1.00
88	12:28	1.00	10.000	0.11	50.00	50.00	1.328	1.328	1.00
89	12:30	1.00	20.000	0.05	50.00	50.00	0.365	0.365	1.00
90	12:29	1.00	20.000	0.05	50.00	50.00	0.381	0.381	1.00
91	12:40	1.00	10.000	0.11	50.00	50.00	2.428	2.428	1.00
92	13:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:47	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	20:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:45	1.00	0.742	1.05	50.00	50.00	1.780	1.780	1.00
96	6:52	1.00	0.948	0.98	50.00	50.00	2.323	2.323	1.00
97	8:07	1.00	0.875	1.02	50.00	50.00	0.703	0.703	1.00
98	10:40	1.00	0.906	1.01	50.00	50.00	1.315	1.315	1.00
99	12:50	1.00	1.118	0.96	50.00	50.00	0.140	0.140	1.00
100	15:56	1.00	10.000	0.09	50.00	50.00	1.129	1.129	1.00
101	16:10	1.00	0.907	1.00	50.00	50.00	0.989	0.989	1.00

QUANTITATION REPORT FILE: HG900408A22  
DATA: HG900408A22.T1  
04/08/90 13:37:00  
SAMPLE: 2 UL 31258-#2387 50 NG 8270 VERSION 3 STD. (9STD0050)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: B75

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

NO	NAME
1	*467 D10-PHENANTHRENE (I9#4)
2	604 4,6-DINITRO-2-METHYLPHENDL (G4#2) <334-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (I9#41)
6	539 PHENACETIN (I9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (I9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (I9#45)
12	522 PRONAMIDE (I9#46)
13	609 PENTACHLOROPHENDL (G4#6) <87-86-9>
14	453 PENTACHLORONITROBENZENE (I9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 HETHAPYRILENE (I9#48)
19	549 CYCLOPHOSPHAMIDE (I9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 012-CHRYSENE (IS#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 FYRENE (G5#3) <129-00-0>
24	530 ARAMITE (I9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (I9#51)
26	523 CHLOROBENZILATE (I9#52)
27	545 3,3'-DIMETHYLBENZIDINE (I9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (I9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (I9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D10-PERYLENE (IS#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (I9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 OIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (G6#6) <193-39-5>
45	419 OIBENZO(A, H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(C, H, I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	ZTOT
1	188	909	13:51	1	1.000	A BB	319312.	40.000 NG	1.53
2	198	825	12:34	1	0.908	A BB	47512.	50.000 NG	1.91
3	169	827	12:36	1	0.910	A VB <sup>295162</sup>	590324.	100.000 NG	3.82
4	169	827	12:36	1	0.910	A VB <sup>295162</sup>	590324.	100.000 NG	3.82
5	213	854	13:01	1	0.939	A BB	37020.	50.000 NG	1.91
6	108	857	13:03	1	0.943	A VV	263136.	50.000 NG	1.91
7	248	862	13:08	1	0.948	A BB	84092.	50.000 NG	1.91
8	234	857	13:03	1	0.943	A BB	20888.	25.000 NG	0.95
9	125	876	13:21	1	0.964	A BB	67604.	50.000 NG	1.91
10	284	879	13:24	1	0.967	A BB	103148.	50.000 NG	1.91
11	169	888	13:32	1	0.977	A VV	262580.	50.000 NG	1.91
12	173	895	13:38	1	0.985	A BB	175120.	50.000 NG	1.91
13	266	895	13:38	1	0.985	A BV	60924.	50.000 NG	1.91
14	237	903	13:45	1	0.993	A BB	40768.	50.000 NG	1.91
15	178	911	13:53	1	1.002	A BV	478652.	50.000 NG	1.91
16	178	916	13:57	1	1.008	A VV	475356.	50.000 NG	1.91
17	149	962	14:39	1	1.058	A VB	797392.	50.000 NG	1.91
18	97	994	15:09	1	1.094	A BV	207843.	50.000 NG	1.91
19	211	1014	15:27	1	1.116	A BV	50372.	200.000 NG	7.63
20	202	1027	15:39	1	1.130	A VB	482483.	50.000 NG	1.91
21	240	1167	17:47	21	1.000	A BV	297472.	40.000 NG	1.53
22	184	1035	15:46	21	0.887	A BB	33932.	50.000 NG	1.91
23	202	1050	16:00	21	0.900	A VV	491348.	50.000 NG	1.91
24	185	1064	16:13	21	0.912	A VB	45800.	50.000 NG	1.91
25	225	1075	16:23	21	0.921	A BB	90284.	50.000 NG	1.91
26	139	1079	16:26	21	0.925	A BV	329004.	50.000 NG	1.91
27	212	1106	16:51	21	0.948	A BB	166340.	50.000 NG	1.91
28	149	1107	16:52	21	0.949	A BB	380592.	50.000 NG	1.91
29	181	1133	17:16	21	0.971	A BV	197400.	50.000 NG	1.91
30	231	1158	17:39	21	0.992	A BV	72540.	50.000 NG	1.91
31	252	1159	17:40	21	0.993	A BB	108072.	50.000 NG	1.91
32	244	1156	17:37	21	0.991	A BB	58568.	50.000 NG	1.91
33	149	1162	17:42	21	0.996	A BV	506438.	50.000 NG	1.91
34	228	1165	17:45	21	0.998	A BV	423899.	50.000 NG	1.91
35	228	1169	17:49	21	1.002	A VB	398810.	50.000 NG	1.91
36	264	1335	20:20	36	1.000	A BB	260798.	40.000 NG	1.53
37	149	1223	18:38	36	0.916	A BB	840324.	50.000 NG	1.91
38	252	1285	19:35	36	0.963	A BB <sup>308954</sup>	607968.	100.000 NG	3.82
39	256	1285	19:35	36	0.963	A BV	163076.	50.000 NG	1.91
40	252	1285	19:35	36	0.963	A BB <sup>308954</sup>	607968.	100.000 NG	3.82
41	292	1328	20:14	36	0.999	A BV	364329.	50.000 NG	1.91
42	268	1380	21:02	36	1.034	A BB	212753.	50.000 NG	1.91
43	279	1473	22:27	36	1.103	A BV	291620.	50.000 NG	1.91
44	276	1513	23:03	36	1.133	A BV	380924.	50.000 NG	1.91
45	278	1512	23:02	36	1.133	A BB	313696.	50.000 NG	1.91
46	276	1564	23:50	36	1.172	M XX	319512.	50.000 NG	1.91
47	234	866	13:12	1	0.953	A BB	31132.	25.000 NG	0.95

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:34	1.00	30.000	0.03	50.00	50.00	0.119	0.119	1.00
3	12:36	1.00	10.000	0.09	100.00	100.00	0.739	0.739	1.00
4	12:36	1.00	10.000	0.09	100.00	100.00	0.739	0.739	1.00



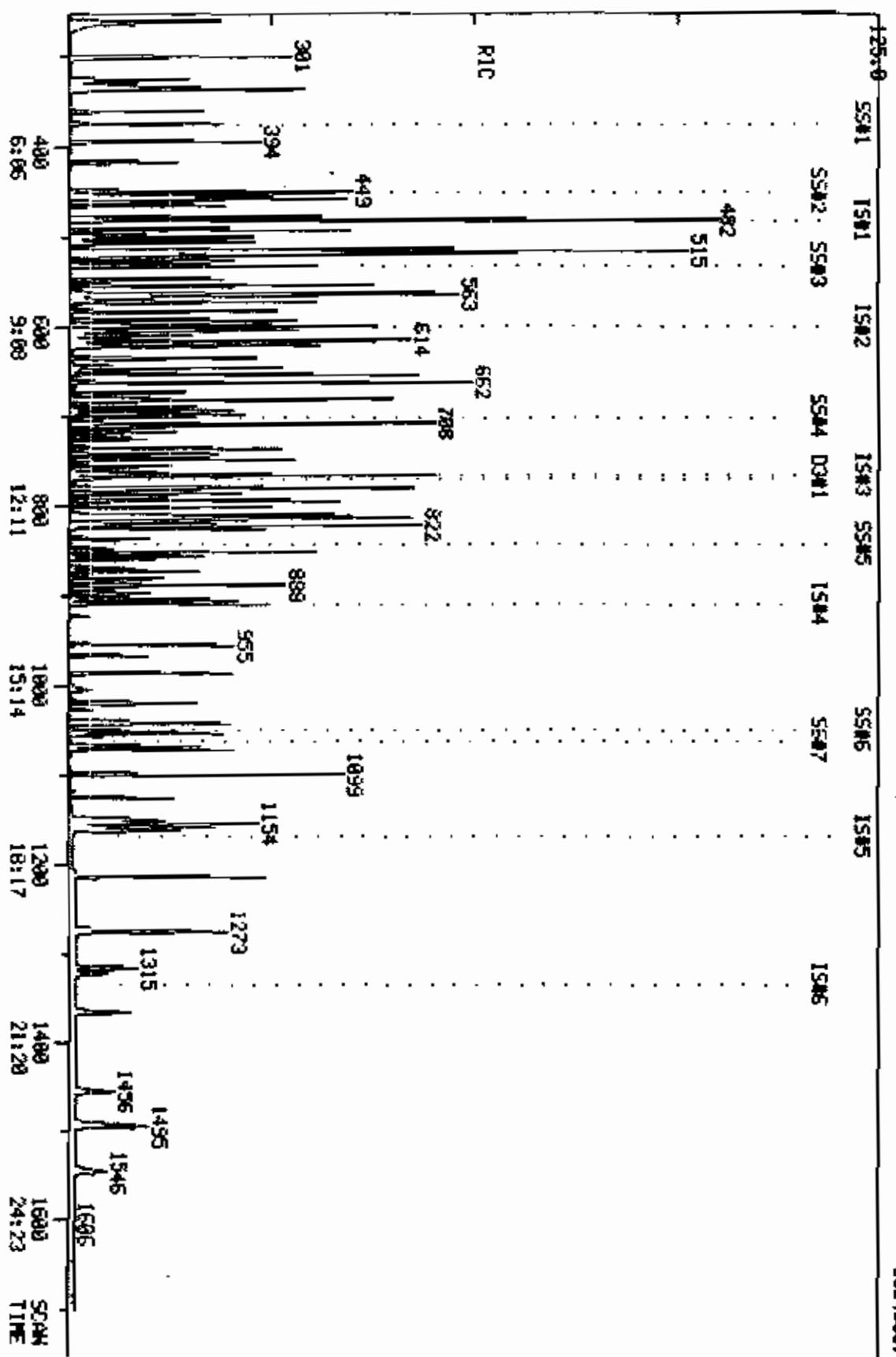
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	13:01	1.00	20.000	0.05	50.00	50.00	0.093	0.093	1.00
6	13:03	1.00	10.000	0.09	50.00	50.00	0.659	0.659	1.00
7	13:08	1.00	10.000	0.09	50.00	50.00	0.211	0.211	1.00
8	13:03	1.00	10.000	0.09	25.00	25.00	0.105	0.105	1.00
9	13:21	1.00	10.000	0.10	50.00	50.00	0.169	0.169	1.00
10	13:24	1.00	10.000	0.10	50.00	50.00	0.258	0.258	1.00
11	13:32	1.00	10.000	0.10	50.00	50.00	0.658	0.658	1.00
12	13:38	1.00	10.000	0.10	50.00	50.00	0.439	0.439	1.00
13	13:38	1.00	20.000	0.05	50.00	50.00	0.153	0.153	1.00
14	13:45	1.00	10.000	0.10	50.00	50.00	0.102	0.102	1.00
15	13:53	1.00	10.000	0.10	50.00	50.00	1.199	1.199	1.00
16	13:57	1.00	10.000	0.10	50.00	50.00	1.191	1.191	1.00
17	14:39	1.00	10.000	0.11	50.00	50.00	1.998	1.998	1.00
18	15:09	1.00	20.000	0.05	50.00	50.00	0.521	0.521	1.00
19	15:27	1.00	50.000	0.02	200.00	200.00	0.032	0.032	1.00
20	15:39	1.00	10.000	0.11	50.00	50.00	1.209	1.209	1.00
21	17:47	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:46	1.00	10.000	0.09	50.00	50.00	0.091	0.091	1.00
23	16:00	1.00	10.000	0.09	50.00	50.00	1.321	1.321	1.00
24	16:13	1.00	20.000	0.05	50.00	50.00	0.123	0.123	1.00
25	16:23	1.00	10.000	0.09	50.00	50.00	0.243	0.243	1.00
26	16:26	1.00	10.000	0.09	50.00	50.00	0.885	0.885	1.00
27	16:51	1.00	20.000	0.05	50.00	50.00	0.447	0.447	1.00
28	16:52	1.00	10.000	0.09	50.00	50.00	1.024	1.024	1.00
29	17:16	1.00	10.000	0.10	50.00	50.00	0.531	0.531	1.00
30	17:39	1.00	10.000	0.10	50.00	50.00	0.195	0.195	1.00
31	17:40	1.00	10.000	0.10	50.00	50.00	0.291	0.291	1.00
32	17:37	1.00	10.000	0.10	50.00	50.00	0.158	0.158	1.00
33	17:42	1.00	10.000	0.10	50.00	50.00	1.362	1.362	1.00
34	17:45	1.00	10.000	0.10	50.00	50.00	1.140	1.140	1.00
35	17:49	1.00	10.000	0.10	50.00	50.00	1.073	1.073	1.00
36	20:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:38	1.00	10.000	0.09	50.00	50.00	2.578	2.578	1.00
38	19:35	1.00	10.000	0.10	100.00	100.00	0.932	0.932	1.00
39	19:35	1.00	10.000	0.10	50.00	50.00	0.500	0.500	1.00
40	19:35	1.00	10.000	0.10	100.00	100.00	0.932	0.932	1.00
41	20:14	1.00	10.000	0.10	50.00	50.00	1.118	1.118	1.00
42	21:02	1.00	10.000	0.10	50.00	50.00	0.653	0.653	1.00
43	22:27	1.00	10.000	0.11	50.00	50.00	0.895	0.895	1.00
44	23:03	1.00	10.000	0.11	50.00	50.00	1.168	1.168	1.00
45	23:02	1.00	10.000	0.11	50.00	50.00	0.962	0.962	1.00
46	23:50	1.00	10.000	0.12	50.00	50.00	0.980	0.980	1.00
47	13:12	1.00	10.000	0.10	25.00	25.00	0.156	0.156	1.00

RIC  
 04/08/90 16:19:00  
 SAMPLE: 2 UL 31259-#2388 69 MG HC 8278 VERSION 3 STD, <S5TD0688>  
 COMDS.:  
 3624950.

COMPUCHEN LABS

COMPUCHEN DATA: #1900#08822 SCANS 252 TO 1700

OUT OF 252 TO 1700



QUANTITATION REPORT FILE: HK900408A22  
DATA: HK900408A22.TI  
04/08/90 16:19:00  
SAMPLE: 2 UL 31259-#2388 80 NG 8270 VERSION 3 STD. (SSTD080)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*474 D4-1,4-DICHLOROBENZENE (I6#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYL METHACRYLATE (Z9#2)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-95-2>
26	544 N-NITROSMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I6#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	491 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZYL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	479 4-CHLORANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-B>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CREBOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (I6#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-D-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (I6#4)
93	*459 D12-CHRYSENE (I6#5)
94	*497 D10-PERYLENE (I6#6)
95	6619 2-FLUOROPHENOL (88#1)
96	6612 D5-PHENOL (88#2)
97	6447 D5-NITROBENZENE (88#3)
98	6448 2-FLUOROBIPHENYL (88#4)
99	6626 2,4,6-TRIBROMOPHENOL (88#5)
100	6471 D10-PYRENE (88#6)
101	6496 D14-TERPHENYL (88#7)

NO	M/E	SCAN	TIME	REF	RRT	HEATH	AREA(HGHT)	AMOUNT	ZTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	%TOT
1	152	480	7:19	1	1.000	A BB	82872.	40.000 NG	0.22
2	42	262	4:00	1	0.546	A BB	361008.	100.866 NG	0.55
3	79	263	4:00	1	0.548	A BV	544736.	92.390 NG	0.50
4	69	301	4:35	1	0.627	A BB	524516.	90.560 NG	0.49
5	89	300	4:34	1	0.625	A BB	87308.	89.975 NG	0.49
6	93	326	4:58	1	0.679	A BB	481800.	98.941 NG	0.54
7	88	337	5:08	1	0.702	A BB	867872.	358.021 NG	1.95
8	80	361	5:30	1	0.752	A BB	356372.	115.582 NG	0.63
9	102	394	6:00	1	0.821	A BB	211204.	90.547 NG	0.49
10	109	417	6:21	1	0.869	A BB	182108.	86.992 NG	0.47
11	94	430	6:51	1	0.937	A BB	557488.	102.999 NG	0.56
12	93	454	6:55	1	0.946	A BV	667262.	117.152 NG	0.64
13	167	456	6:57	1	0.950	A BB	96424.	78.356 NG	0.43
14	93	458	6:59	1	0.954	A VV	497223.	103.763 NG	0.57
15	128	465	7:05	1	0.969	A BB	291172.	78.170 NG	0.43
16	146	478	7:17	1	0.996	A BV	307432.	94.928 NG	0.52
17	91	482	7:21	1	1.004	A BB	1023070.	89.743 NG	0.49
18	146	482	7:21	1	1.004	A VB	303616.	77.829 NG	0.42
19	108	492	7:30	1	1.025	A BV	223066.	94.545 NG	0.51
20	146	498	7:35	1	1.037	A BB	293460.	88.073 NG	0.48
21	108	502	7:39	1	1.046	A VV	306076.	85.620 NG	0.47
22	43	506	7:43	1	1.054	A BB	324660.	102.731 NG	0.56
23	108	515	7:51	1	1.073	A BV 319625	639256.	171.891 NG	0.94
24	108	515	7:51	1	1.073	A BV 319625	639256.	171.891 NG	0.94
25	100	516	7:52	1	1.075	A BB	185152.	89.538 NG	0.49
26	116	517	7:53	1	1.077	A BB	70988.	76.857 NG	0.42
27	105	517	7:53	1	1.077	A BB	578700.	92.125 NG	0.50
28	70	519	7:54	1	1.081	A BB	398548.	87.696 NG	0.48
29	106	521	7:56	1	1.085	A BB	447460.	98.475 NG	0.54
30	117	527	8:02	1	1.098	A BB	193020.	88.870 NG	0.48
31	136	596	8:05	31	1.000	A BB	297876.	40.000 NG	0.22
32	77	533	8:07	31	0.894	A BB	522508.	93.881 NG	0.51
33	114	546	8:19	31	0.916	A BB	151876.	83.636 NG	0.46
34	82	554	8:26	31	0.930	A BV	915060.	88.059 NG	0.48
35	107	563	8:35	31	0.945	A BV	412408.	85.081 NG	0.46
36	139	562	8:34	31	0.943	A BB	131976.	76.637 NG	0.42
37	180	564	8:36	31	0.946	A BB	196208.	77.640 NG	0.42
38	125	565	8:36	31	0.948	A BB	539752.	84.346 NG	0.46
39	122	571	8:42	31	0.958	A VV	135080.	74.161 NG	0.40
40	93	572	8:43	31	0.960	A BB	446800.	85.614 NG	0.47
41	162	583	8:53	31	0.978	A BB	162300.	77.912 NG	0.42
42	180	592	9:01	31	0.993	A BB	180348.	80.505 NG	0.44
43	128	598	9:07	31	1.003	A BB	827284.	89.372 NG	0.49
44	127	602	9:10	31	1.010	A VB	330632.	71.789 NG	0.39
45	162	604	9:12	31	1.013	A BB	185696.	80.072 NG	0.44
46	108	606	9:14	31	1.017	A BV	157412.	363.330 NG	1.98
47	91	615	9:22	31	1.032	A VV	40378.	87.665 NG	0.48
48	213	609	9:17	31	1.022	A BB	108696.	91.665 NG	0.50
49	225	614	9:21	31	1.030	A BB	92312.	79.318 NG	0.43
50	180	614	9:21	31	1.030	A BB	178044.	78.804 NG	0.43
51	159	620	9:27	31	1.040	A BB	299568.	82.823 NG	0.45
52	84	634	9:40	31	1.064	A BB	293204.	93.978 NG	0.51
53	107	645	9:50	31	1.082	A VV	339388.	92.242 NG	0.50
54	108	645	9:50	31	1.082	A VV	109601.	444.818 NG	2.42
55	162	653	9:57	31	1.096	A BB	157416.	78.073 NG	0.43
56	108	653	9:57	31	1.096	A VB	90540.	8425.080 NG	45.89

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	ZTOT
57	142	662	10:05	31	1.111	A BB	576056.	76.809 NG	0.42
58	142	672	10:14	31	1.128	A BB	252300.	79.564 NG	0.43
59	164	762	11:37	59	1.000	A BB	127380.	40.000 NG	0.22
60	216	681	10:23	59	0.894	A BB/59704	309408.	171.927 NG	0.94
61	216	681	10:23	59	0.894	A BB/59704	309408.	171.927 NG	0.94
62	237	683	10:24	59	0.896	A BB	73360.	229.407 NG	1.25
63	196	689	10:30	59	0.904	A BV	94096.	80.362 NG	0.44
64	196	693	10:34	59	0.909	A VB	99320.	82.251 NG	0.45
65	162	700	10:40	59	0.919	A BB	131372.	88.134 NG	0.48
66	162	708	10:47	59	0.929	A BV	413356.	88.489 NG	0.48
67	162	712	10:51	59	0.934	A VB	297960.	81.047 NG	0.44
68	216	709	10:48	59	0.930	A BB	144120.	83.125 NG	0.45
69	65	718	10:56	59	0.942	A BV	185712.	103.295 NG	0.56
70	158	723	11:01	59	0.949	A BB	57308.	42.187 NG	0.23
71	168	727	11:05	59	0.954	A BB	49076.	71.397 NG	0.39
72	163	736	11:13	59	0.966	A BB	402996.	87.091 NG	0.47
73	165	743	11:19	59	0.975	A BB	79792.	82.335 NG	0.45
74	152	748	11:24	59	0.982	A BB	554860.	87.677 NG	0.48
75	138	756	11:31	59	0.992	A BB	97148.	84.888 NG	0.46
76	153	765	11:39	59	1.004	A BB	373912.	90.499 NG	0.49
77	184	766	11:40	59	1.005	A BB	29056.	75.405 NG	0.41
78	109	769	11:43	59	1.009	A BV	97868.	91.677 NG	0.50
79	165	780	11:53	59	1.024	A BB	110136.	79.218 NG	0.43
80	168	780	11:53	59	1.024	A BB	442668.	81.707 NG	0.45
81	250	782	11:55	59	1.026	A BB	118316.	80.956 NG	0.44
82	143	787	11:59	59	1.033	A VV	347774.	138.126 NG	0.75
83	143	794	12:06	59	1.042	A VB	368817.	144.777 NG	0.79
84	232	794	12:06	59	1.042	A BB	60696.	85.877 NG	0.47
85	149	802	12:13	59	1.052	A BB	466940.	90.260 NG	0.49
86	97	811	12:21	59	1.064	A BB	174096.	100.750 NG	0.55
87	204	810	12:20	59	1.063	A BB	120544.	76.484 NG	0.42
88	166	813	12:23	59	1.067	A BB	351280.	83.044 NG	0.45
89	138	815	12:25	59	1.070	A BV	105648.	90.984 NG	0.50
90	152	814	12:24	59	1.068	A BV	102568.	84.496 NG	0.46
91	77	826	12:35	59	1.084	A VB	916457.	118.532 NG	0.65
92	188	902	13:45	92	1.000	A BB	177528.	40.000 NG	0.22
93	240	1159	17:40	93	1.000	A BB	164680.	40.000 NG	0.22
94	264	1322	20:09	94	1.000	A BV	152992.	40.000 NG	0.22
95	112	374	5:42	1	0.779	A BB	345260.	93.622 NG	0.51
96	99	449	6:50	1	0.935	A BV	502136.	104.334 NG	0.57
97	82	531	8:05	31	0.891	A VB	481416.	92.013 NG	0.50
98	172	697	10:37	59	0.915	A BB	358984.	85.719 NG	0.47
99	330	837	12:45	59	1.098	A BB	43268.	97.153 NG	0.53
100	212	1040	15:51	93	0.897	A BV	379692.	81.683 NG	0.44
101	244	1053	16:03	93	0.909	A BB	320028.	78.602 NG	0.43

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	7:22	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:04	0.98	10.000	0.05	100.87	50.00	3.485	1.728	2.02
3	4:05	0.98	10.000	0.05	92.39	50.00	3.259	2.846	1.85
4	4:39	0.99	10.000	0.06	90.56	50.00	3.063	2.796	1.81
5	4:39	0.98	10.000	0.06	89.97	50.00	0.843	0.468	1.80
6	5:02	0.99	20.000	0.03	98.94	50.00	4.651	2.350	1.98
7	5:12	0.99	10.000	0.07	358.02	200.00	2.094	1.170	1.79
8	5:33	0.99	10.000	0.08	115.98	50.00	3.440	1.488	2.31
9	6:02	0.99	10.000	0.08	90.55	50.00	2.039	1.126	1.81

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:23	1.00	10.000	0.09	86.99	50.00	1.758	1.010	1.74
11	6:53	1.00	10.000	0.09	103.00	50.00	3.382	2.612	2.06
12	6:58	0.99	10.000	0.09	117.15	50.00	6.441	2.749	2.34
13	6:59	1.00	10.000	0.09	78.36	50.00	0.931	0.594	1.57
14	7:01	1.00	20.000	0.05	103.76	50.00	4.800	2.313	2.08
15	7:07	1.00	10.000	0.10	78.17	50.00	2.811	1.798	1.56
16	7:19	1.00	10.000	0.10	94.93	50.00	2.968	1.563	1.90
17	7:22	1.00	10.000	0.10	89.74	50.00	9.876	5.903	1.79
18	7:22	1.00	10.000	0.10	77.83	50.00	2.931	1.883	1.56
19	7:32	1.00	10.000	0.10	94.54	50.00	2.153	1.139	1.89
20	7:38	0.99	10.000	0.10	88.07	50.00	2.833	1.608	1.76
21	7:42	0.99	10.000	0.10	85.62	50.00	2.955	1.725	1.71
22	7:44	1.00	10.000	0.11	102.73	50.00	3.065	2.465	2.05
23	7:53	1.00	10.000	0.11	171.89	100.00	3.085	1.795	1.72
24	7:53	1.00	10.000	0.11	171.89	100.00	3.085	1.795	1.72
25	7:54	1.00	10.000	0.11	89.54	50.00	1.787	0.998	1.79
26	7:54	1.00	10.000	0.11	76.86	50.00	0.665	0.446	1.54
27	7:54	1.00	10.000	0.11	92.12	50.00	5.586	3.032	1.84
28	7:56	1.00	10.000	0.11	87.70	50.00	3.847	2.194	1.75
29	7:58	1.00	10.000	0.11	98.48	50.00	4.320	2.193	1.97
30	8:04	1.00	10.000	0.11	88.87	50.00	1.863	1.048	1.78
31	8:08	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	8:09	1.00	10.000	0.09	93.88	50.00	1.403	0.747	1.88
33	8:21	1.00	10.000	0.09	83.64	50.00	0.408	0.244	1.67
34	8:28	1.00	10.000	0.09	88.06	50.00	2.458	1.395	1.76
35	8:36	1.00	10.000	0.09	85.08	50.00	1.108	0.651	1.70
36	8:36	1.00	10.000	0.09	76.64	50.00	0.354	0.231	1.53
37	8:37	1.00	10.000	0.09	77.64	50.00	0.527	0.339	1.55
38	8:38	1.00	10.000	0.09	84.35	50.00	1.450	0.859	1.69
39	8:44	1.00	100.000	0.01	74.16	50.00	0.363	0.245	1.48
40	8:45	1.00	10.000	0.10	85.61	50.00	1.200	0.701	1.71
41	8:55	1.00	10.000	0.10	77.91	50.00	0.436	0.280	1.56
42	9:03	1.00	10.000	0.10	80.51	50.00	0.484	0.301	1.61
43	9:09	1.00	10.000	0.10	89.37	50.00	2.222	1.243	1.79
44	9:13	1.00	10.000	0.10	71.79	50.00	0.942	0.656	1.44
45	9:14	1.00	20.000	0.05	80.07	50.00	0.499	0.311	1.60
46	9:19	0.99	10.000	0.10	363.33	50.00	0.423	0.058	7.27
47	9:30	0.99	10.000	0.10	87.66	50.00	0.108	0.062	1.75
48	9:19	1.00	10.000	0.10	91.67	50.00	0.292	0.159	1.83
49	9:23	1.00	10.000	0.10	79.32	50.00	0.248	0.156	1.59
50	9:24	1.00	10.000	0.10	78.80	50.00	0.478	0.303	1.58
51	9:29	1.00	20.000	0.05	82.82	50.00	0.805	0.486	1.66
52	9:42	1.00	10.000	0.11	93.98	50.00	0.787	0.419	1.88
53	9:51	1.00	10.000	0.11	92.24	50.00	0.911	0.494	1.84
54	9:51	1.00	10.000	0.11	444.82	50.00	0.294	0.033	8.90
55	9:59	1.00	10.000	0.11	78.07	50.00	0.423	0.271	1.56
56	9:59	1.00	10.000	0.11	8425.08	50.00	0.243	0.001	168.50
57	10:08	1.00	10.000	0.11	76.81	50.00	1.547	1.007	1.54
58	10:17	1.00	10.000	0.11	79.56	50.00	0.678	0.426	1.59
59	11:40	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:25	1.00	10.000	0.09	171.93	100.00	0.972	0.565	1.72
61	10:25	1.00	10.000	0.09	171.93	100.00	0.972	0.565	1.72
62	10:27	1.00	10.000	0.09	229.41	50.00	0.461	0.100	4.59
63	10:33	1.00	20.000	0.05	80.36	50.00	0.591	0.368	1.61
64	10:36	1.00	20.000	0.05	82.25	50.00	0.624	0.379	1.65
65	10:44	0.99	20.000	0.05	88.13	50.00	0.825	0.468	1.76

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:50	1.00	10.000	0.09	88.49	50.00	2.596	1.467	1.77
67	10:54	1.00	10.000	0.09	81.05	50.00	1.871	1.154	1.62
68	10:51	1.00	10.000	0.09	83.12	50.00	0.905	0.544	1.66
69	10:59	1.00	10.000	0.09	103.29	50.00	1.166	0.565	2.07
70	11:05	0.99	20.000	0.05	42.19	50.00	0.360	0.427	0.84
71	11:08	0.99	20.000	0.05	71.40	50.00	0.308	0.216	1.43
72	11:16	0.99	10.000	0.10	87.09	50.00	2.531	1.453	1.74
73	11:23	0.99	10.000	0.10	82.33	50.00	0.501	0.304	1.65
74	11:27	0.99	10.000	0.10	87.68	50.00	3.485	1.987	1.75
75	11:35	0.99	20.000	0.05	84.89	50.00	0.610	0.359	1.70
76	11:44	0.99	10.000	0.10	90.50	50.00	2.348	1.297	1.81
77	11:44	0.99	40.000	0.03	75.41	50.00	0.182	0.121	1.51
78	11:47	0.99	10.000	0.10	91.68	50.00	0.615	0.335	1.83
79	11:58	0.99	10.000	0.10	79.22	50.00	0.692	0.437	1.58
80	11:58	0.99	10.000	0.10	81.71	50.00	2.780	1.701	1.63
81	11:59	0.99	10.000	0.10	80.96	50.00	0.743	0.459	1.62
82	12:04	0.99	20.000	0.05	138.13	50.00	2.184	0.791	2.76
83	12:10	0.99	20.000	0.05	144.78	50.00	2.316	0.800	2.90
84	12:10	0.99	20.000	0.05	85.88	50.00	0.381	0.222	1.72
85	12:18	0.99	10.000	0.11	90.26	50.00	2.933	1.625	1.81
86	12:26	0.99	10.000	0.11	100.75	50.00	1.093	0.543	2.02
87	12:25	0.99	10.000	0.11	76.48	50.00	0.757	0.495	1.53
88	12:28	0.99	10.000	0.11	83.04	50.00	2.206	1.328	1.66
89	12:30	0.99	20.000	0.05	90.98	50.00	0.664	0.365	1.82
90	12:29	0.99	20.000	0.05	84.50	50.00	0.644	0.381	1.69
91	12:40	0.99	10.000	0.11	118.53	50.00	5.756	2.428	2.37
92	13:51	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:47	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	20:20	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:45	0.99	0.742	1.05	93.62	50.00	3.333	1.780	1.87
96	6:52	1.00	0.948	0.99	104.33	50.00	4.847	2.323	2.09
97	8:07	1.00	0.875	1.02	92.01	50.00	1.293	0.703	1.84
98	10:40	1.00	0.906	1.01	85.72	50.00	2.255	1.315	1.71
99	12:50	0.99	1.118	0.98	97.15	50.00	0.272	0.140	1.94
100	15:58	0.99	10.000	0.09	81.68	50.00	1.845	1.129	1.63
101	16:10	0.99	0.907	1.00	78.60	50.00	1.555	0.989	1.57



QUANTITATION REPORT FILE: HK900408A22  
DATA: HK900408A22.TI  
04/08/90 16:19:00  
SAMPLE: 2 UL 31259-#2388 80 NG 8270 VERSION 3 STD. (8STD080)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*467 D10-PHENANTHRENE (IS#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (I9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (I9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (I9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUDRANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (IS#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (I9#51)
26	523 CHLOROBENZILATE (I9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUDRENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D10-PERYLENE (IS#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUDRANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (I9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>

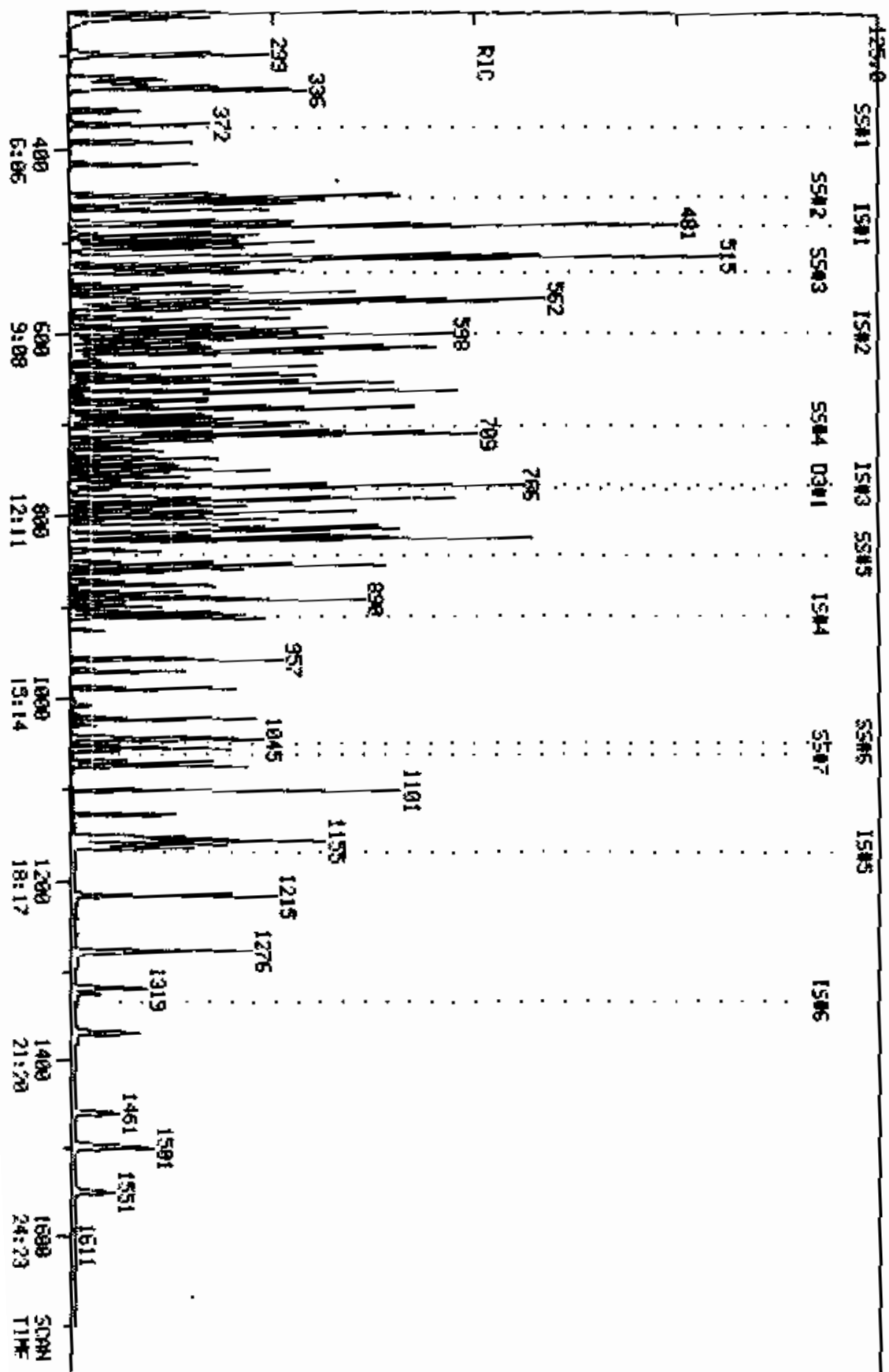
NO NAME  
47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (H9HT)	AMOUNT	ZTDT
1	188	902	13:45	1	1.000	A BB	177528.	40.000 NG	0.94
2	198	819	12:29	1	0.908	A BB	40368.	76.410 NG	1.79
3	169 <sup>NE</sup>	821	12:31	1	0.910	A BB <sup>214950</sup>	539700.	164.442 NG	3.86
4	169 <sup>NE</sup>	821	12:31	1	0.910	A BB <sup>214950</sup>	539700.	164.442 NG	3.86
5	213	847	12:54	1	0.939	A BB	26068.	63.327 NG	1.49
6	108	851	12:58	1	0.943	A VV	298872.	102.146 NG	2.40
7	248	856	13:03	1	0.949	A BB	76632.	81.955 NG	1.92
8	234	851	12:58	1	0.943	A BB	18784.	40.437 NG	0.95
9	125	870	13:15	1	0.965	A BB	61936.	82.393 NG	1.93
10	284	873	13:18	1	0.968	A BB	98216.	85.633 NG	2.01
11	169	881	13:25	1	0.977	A VV	280308.	96.005 NG	2.25
12	173	888	13:32	1	0.984	A BB	169188.	86.886 NG	2.04
13	266	888	13:32	1	0.984	A BV	51568.	76.122 NG	1.79
14	237	896	13:39	1	0.993	A BB	40512.	89.368 NG	2.10
15	178	905	13:47	1	1.003	A BV	458188.	86.088 NG	2.02
16	178	909	13:51	1	1.008	A VB	449872.	84.355 NG	1.98
17	149	955	14:33	1	1.059	A BV	750380.	84.631 NG	1.99
18	97	986	15:01	1	1.093	A BV	258368.	111.795 NG	2.62
19	211	1006	15:20	1	1.115	A BV	33476.	239.069 NG	5.61
20	202	1019	15:32	1	1.130	A BV	451866.	84.226 NG	1.98
21	240	1159	17:40	21	1.000	A BB	164680.	40.000 NG	0.94
22	184	1028	15:40	21	0.887	A BB	70448.	187.514 NG	4.40
23	202	1042	15:53	21	0.899	A BV	458623.	84.303 NG	1.98
24	185	1056	16:05	21	0.911	A VB	38964.	76.837 NG	1.80
25	225	1067	16:15	21	0.921	A BB	73816.	73.844 NG	1.73
26	139	1071	16:19	21	0.924	A BB	313488.	86.059 NG	2.02
27	212	1098	16:44	21	0.947	A BV	160592.	87.197 NG	2.05
28	149	1099	16:45	21	0.948	A BV	336048.	79.747 NG	1.87
29	181	1125	17:08	21	0.971	A BB	168164.	76.941 NG	1.81
30	231	1149	17:30	21	0.991	A BV	65716.	81.822 NG	1.92
31	252	1151	17:32	21	0.993	A BB	94192.	78.718 NG	1.85
32	244	1148	17:29	21	0.991	A BB	82612.	127.397 NG	2.99
33	149	1153	17:34	21	0.995	A BV	461070.	82.227 NG	1.93
34	228	1157	17:38	21	0.998	A BV	371984.	79.257 NG	1.86
35	228	1161	17:41	21	1.002	A VV	353860.	80.138 NG	1.88
36	264	1322	20:09	36	1.000	A BV	152992.	40.000 NG	0.94
37	149	1213	18:29	36	0.918	A BB	720765.	73.088 NG	1.72
38	252	1273	19:24	36	0.963	A BB <sup>271079</sup>	542158.	152.013 NG	3.57
39	256	1273	19:24	36	0.963	A BV	164676.	86.069 NG	2.02
40	252	1273	19:24	36	0.963	A BB <sup>271079</sup>	542158.	152.013 NG	3.57
41	252	1315	20:02	36	0.995	A BV	331094.	77.457 NG	1.82
42	268	1365	20:48	36	1.033	A BB	187176.	74.986 NG	1.76
43	279	1456	22:11	36	1.101	A BV	251660.	73.553 NG	1.73
44	276	1495	22:47	36	1.131	A BB	345606.	77.330 NG	1.82
45	278	1494	22:46	36	1.130	A BV	280272.	76.151 NG	1.79
46	276	1546	23:33	36	1.169	A BB	285554.	76.174 NG	1.79
47	234	860	13:06	1	0.953	A BB	27648.	39.934 NG	0.94

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:51	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:34	0.99	30.000	0.03	76.41	50.00	0.182	0.119	1.53
3	12:36	0.99	10.000	0.09	164.44	100.00	1.216	0.739	1.64
4	12:36	0.99	10.000	0.09	164.44	100.00	1.216	0.739	1.64

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	13:01	0.99	20.000	0.09	63.33	50.00	0.117	0.093	1.27
6	13:03	0.99	10.000	0.09	102.15	50.00	1.347	0.659	2.04
7	13:08	0.99	10.000	0.09	81.95	50.00	0.345	0.211	1.64
8	13:03	0.99	10.000	0.09	40.44	25.00	0.169	0.105	1.62
9	13:21	0.99	10.000	0.10	82.39	50.00	0.279	0.169	1.65
10	13:24	0.99	10.000	0.10	85.63	50.00	0.443	0.258	1.71
11	13:32	0.99	10.000	0.10	96.00	50.00	1.263	0.658	1.92
12	13:38	0.99	10.000	0.10	86.89	50.00	0.762	0.439	1.74
13	13:38	0.99	20.000	0.05	76.12	50.00	0.232	0.153	1.52
14	13:45	0.99	10.000	0.10	89.37	50.00	0.183	0.102	1.79
15	13:53	0.99	10.000	0.10	86.09	50.00	2.065	1.199	1.72
16	13:57	0.99	10.000	0.10	84.39	50.00	2.009	1.191	1.69
17	14:39	0.99	10.000	0.11	84.63	50.00	3.381	1.998	1.69
18	15:09	0.99	20.000	0.05	111.79	50.00	1.164	0.521	2.24
19	15:27	0.99	50.000	0.02	239.07	200.00	0.038	0.032	1.20
20	15:39	0.99	10.000	0.11	84.23	50.00	2.036	1.209	1.68
21	17:47	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:46	0.99	10.000	0.09	187.51	50.00	0.342	0.091	3.75
23	16:00	0.99	10.000	0.09	84.30	50.00	2.228	1.321	1.69
24	16:13	0.99	20.000	0.05	76.84	50.00	0.189	0.123	1.54
25	16:23	0.99	10.000	0.09	73.84	50.00	0.359	0.243	1.48
26	16:26	0.99	10.000	0.09	86.06	50.00	1.523	0.885	1.72
27	16:51	0.99	20.000	0.05	87.20	50.00	0.780	0.447	1.74
28	16:52	0.99	10.000	0.09	79.75	50.00	1.632	1.024	1.59
29	17:16	0.99	10.000	0.10	76.94	50.00	0.817	0.531	1.54
30	17:39	0.99	10.000	0.10	81.82	50.00	0.319	0.195	1.64
31	17:40	0.99	10.000	0.10	78.72	50.00	0.458	0.291	1.57
32	17:37	0.99	10.000	0.10	127.40	50.00	0.401	0.158	2.55
33	17:42	0.99	10.000	0.10	82.23	50.00	2.240	1.362	1.64
34	17:45	0.99	10.000	0.10	79.26	50.00	1.807	1.140	1.59
35	17:49	0.99	10.000	0.10	80.14	50.00	1.719	1.073	1.60
36	20:20	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:38	0.99	10.000	0.09	73.09	50.00	3.769	2.578	1.46
38	19:35	0.99	10.000	0.10	152.01	100.00	1.417	0.932	1.52
39	19:35	0.99	10.000	0.10	86.07	50.00	0.861	0.500	1.72
40	19:35	0.99	10.000	0.10	152.01	100.00	1.417	0.932	1.52
41	20:14	0.99	10.000	0.10	77.46	50.00	1.731	1.118	1.55
42	21:02	0.99	10.000	0.10	74.99	50.00	0.979	0.653	1.50
43	22:27	0.99	10.000	0.11	73.55	50.00	1.316	0.895	1.47
44	23:03	0.99	10.000	0.11	77.33	50.00	1.807	1.168	1.55
45	23:02	0.99	10.000	0.11	76.15	50.00	1.466	0.962	1.52
46	23:50	0.99	10.000	0.12	76.17	50.00	1.493	0.980	1.52
47	13:12	0.99	10.000	0.10	39.93	25.00	0.249	0.156	1.60

COMPUTEM LABS  
 COMPUTEM DATA: HJ900408422 SCANS 252 TO 1700  
 OUT OF 252 TO 1700  
 4689910.  
 84-08/90 15:50:00  
 SAMPLE: 2 UL 31260-#2389 120 HG 8270 VERSION 3 STD. (SST0120)  
 COND5.1



QUANTITATION REPORT FILE: HJ900408A22  
DATA: HJ900408A22.TI  
04/08/90 15:30:00  
SAMPLE: 2 UL 31260-#2389 120 NG 8270 VERSION 3 STD. (SSTD120)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-73-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (Z9#2)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-93-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <39-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSDI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROPIPERIDINE
34	438 ISOPHORDNE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLOROANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <93-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (G3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
74	402 ACENAPHTHYLENE (G3#8) <208-96-8>
75	479 3-NITROANILINE (G3#9) <99-09-2>
76	401 ACENAPHTHENE (G3#10) <83-32-9>
77	8605 2,4-DINITROPHENOL (G3#11) <51-28-4>
78	607 4-NITROPHENOL (G3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
80	476 DIBENZOFURAN (G3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7009-72-3>
88	432 FLUORENE (G3#18) <86-73-7>
89	480 4-NITROANILINE (G3#19) <100-01-6>
90	498 3-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (I8#4)
93	*459 D12-CHRYSENE (I8#5)
94	*497 D10-PERYLENE (I8#6)
95	8619 2-FLUOROPHENOL (S6#1)
96	8612 D5-PHENOL (S6#2)
97	8447 D5-NITROBENZENE (S6#3)
98	8448 2-FLUOROBIPHENYL (S6#4)
99	8628 2,4,6-TRIBROMOPHENOL (S6#5)
100	*471 D10-PYRENE (S6#6)
101	*496 D14-TERPHENYL (S6#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
1	152	479	7:18	1	1.000	A BB	76920.	40.000 NO	0.15
2	42	260	3:58	1	0.543	A BV	477844.	143.841 NO	0.53
3	79	259	3:57	1	0.541	A BV	717660.	131.137 NO	0.49
4	69	299	4:31	1	0.624	A BB	694188.	129.129 NO	0.48
5	89	298	4:32	1	0.622	A BB	119380.	132.546 NO	0.49
6	93	329	4:57	1	0.678	A BB	652836.	144.438 NO	0.54
7	88	336	5:07	1	0.701	A BB	1209230.	537.443 NO	1.99
8	80	359	5:28	1	0.749	A BB	417772.	145.980 NO	0.54
9	102	392	5:58	1	0.818	A BB	261732.	120.891 NO	0.45
10	109	416	6:20	1	0.868	A BB	245928.	126.569 NO	0.47
11	94	449	6:50	1	0.937	A BV	664008.	132.172 NO	0.49
12	93	453	6:54	1	0.946	A BV	873739.	165.273 NO	0.61
13	167	454	6:55	1	0.948	A BB	142388.	124.661 NO	0.46
14	93	457	6:58	1	0.954	A VV	650228.	146.193 NO	0.54
19	128	464	7:04	1	0.969	A BB	415696.	120.229 NO	0.45
16	146	477	7:16	1	0.996	A BV	406560.	135.250 NO	0.50
17	91	481	7:20	1	1.004	A BB	1210230.	114.379 NO	0.42
18	146	481	7:20	1	1.004	A VB	388992.	107.430 NO	0.40
19	108	491	7:29	1	1.029	A BV	277376.	126.661 NO	0.47
20	146	498	7:35	1	1.040	A BB	396568.	128.228 NO	0.48
21	108	502	7:39	1	1.048	A VB	433088.	130.524 NO	0.48
22	45	506	7:43	1	1.056	A BV	738228.	155.734 NO	0.58
23	108	515	7:51	1	1.075	A BV <sup>461572</sup>	923624.	267.572 NO	0.99
24	108	515	7:51	1	1.075	A BV <sup>46182</sup>	923624.	267.572 NO	0.99
25	100	516	7:52	1	1.077	A BB	272832.	142.148 NO	0.53
26	116	517	7:53	1	1.079	A BB	106732.	124.498 NO	0.46
27	105	517	7:53	1	1.079	A BB	780908.	133.934 NO	0.50
28	70	518	7:54	1	1.081	A BV	544612.	129.108 NO	0.48
29	106	521	7:56	1	1.088	A BB	633412.	150.185 NO	0.56
30	117	526	8:01	1	1.098	A BB	270120.	133.991 NO	0.50
31	136	596	9:05	31	1.000	A BB	276060.	40.000 NO	0.15
32	77	533	8:07	31	0.894	A BB	712860.	138.204 NO	0.51
33	114	546	8:19	31	0.916	A BB	213428.	126.820 NO	0.47
34	82	554	8:26	31	0.930	A BV	1245880.	129.370 NO	0.48
35	107	562	8:34	31	0.943	A BV	570232.	126.937 NO	0.47
36	139	562	8:34	31	0.943	A BB	186856.	117.079 NO	0.43
37	180	563	8:35	31	0.945	A BB	270236.	115.383 NO	0.43
38	125	565	8:36	31	0.948	A BB	714248.	120.434 NO	0.45
39	122	572	8:43	31	0.960	A VV	210268.	124.564 NO	0.46
40	93	571	8:42	31	0.958	A BB	653300.	135.075 NO	0.50
41	162	583	8:53	31	0.978	A BB	234276.	121.351 NO	0.45
42	180	592	9:01	31	0.993	A BB	263104.	126.728 NO	0.47
43	128	598	9:07	31	1.003	A BB	1155280.	134.669 NO	0.50
44	127	602	9:10	31	1.010	A VB	472688.	104.427 NO	0.39
45	162	604	9:12	31	1.013	A BB	264144.	122.900 NO	0.46
46	108	609	9:17	31	1.022	A BV	120880.	301.098 NO	1.12
47	91	628	9:34	31	1.034	A VB	93701.	219.510 NO	0.81
48	213	609	9:17	31	1.022	A BB	148344.	134.987 NO	0.50
49	225	614	9:21	31	1.030	A BB	130712.	121.189 NO	0.45
50	180	614	9:21	31	1.030	A BB	251180.	119.960 NO	0.45
51	159	620	9:27	31	1.040	A BB	422428.	126.020 NO	0.47
52	84	635	9:40	31	1.065	A BB	399620.	138.209 NO	0.51
53	107	645	9:50	31	1.082	A BV	456872.	133.986 NO	0.50
54	108	645	9:50	31	1.082	A BV	43500.	190.498 NO	0.71
55	162	653	9:57	31	1.096	A BB	224740.	120.272 NO	0.45
56	108	653	9:57	31	1.096	A VB	129988.	13051.700 NO	48.44

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	ZTOT
57	142	662	10:05	31	1.111	A BB	766592.	110.291 NG	0.41
58	142	672	10:14	31	1.128	A BB	365292.	124.300 NG	0.46
59	164	763	11:38	59	1.000	A BB	120276.	40.000 NG	0.15
60	216	681	10:23	59	0.893	A BB <sup>214140</sup>	428280.	252.035 NG	0.94
61	216	681	10:23	59	0.893	A BB <sup>214140</sup>	428280.	252.035 NG	0.94
62	237	683	10:24	59	0.895	A BB	64992.	215.243 NG	0.80
63	196	689	10:30	59	0.903	M XX	138440.	125.218 NG	0.46
64	196	693	10:34	59	0.908	M XX	146148.	128.180 NG	0.48
65	162	701	10:41	59	0.919	A BB	185592.	131.863 NG	0.49
66	162	708	10:47	59	0.928	A BV	568692.	128.933 NG	0.48
67	162	712	10:51	59	0.933	A VB	436092.	125.626 NG	0.47
68	216	709	10:48	59	0.929	A BB	208292.	127.234 NG	0.47
69	65	718	10:56	59	0.941	A BV	263280.	155.088 NG	0.58
70	158	723	11:01	59	0.948	A BB	80912.	63.081 NG	0.23
71	168	728	11:06	59	0.954	A BB	77796.	119.863 NG	0.44
72	163	736	11:13	59	0.965	A BB	553644.	126.715 NG	0.47
73	165	743	11:19	59	0.974	A BB	113344.	123.864 NG	0.46
74	152	749	11:25	59	0.982	A BB	767536.	128.446 NG	0.48
75	138	757	11:32	59	0.992	A BB	145628.	134.765 NG	0.50
76	153	766	11:40	59	1.004	A BB	522400.	136.470 NG	0.51
77	184	767	11:41	59	1.005	A BB	45312.	124.538 NG	0.46
78	109	770	11:44	59	1.009	A BV	133333.	132.276 NG	0.49
79	165	781	11:54	59	1.024	A BB	161004.	122.646 NG	0.46
80	168	781	11:54	59	1.024	A BB	630092.	123.171 NG	0.46
81	250	783	11:56	59	1.026	A BB	167104.	121.091 NG	0.45
82	143	788	12:00	59	1.033	A VV	463320.	194.886 NG	0.72
83	143	794	12:06	59	1.041	A VB	492046.	204.558 NG	0.76
84	232	795	12:07	59	1.042	A BB	85836.	128.620 NG	0.48
85	149	803	12:14	59	1.052	A BV	650700.	133.210 NG	0.49
86	97	812	12:22	59	1.064	A VB	246260.	150.930 NG	0.56
87	204	811	12:21	59	1.063	A BB	180772.	121.472 NG	0.45
88	166	814	12:24	59	1.067	A BB	499800.	125.133 NG	0.46
89	138	816	12:26	59	1.069	A BV	143112.	130.528 NG	0.48
90	152	815	12:25	59	1.068	A BV	148032.	129.152 NG	0.48
91	77	827	12:36	59	1.084	A VB	1348690.	184.740 NG	0.69
92	188	904	13:46	92	1.000	A BB	168016.	40.000 NG	0.15
93	240	1161	17:41	93	1.000	A BB	154372.	40.000 NG	0.15
94	264	1325	20:11	94	1.000	A BV	143904.	40.000 NG	0.15
95	112	372	5:40	1	0.777	A BB	458068.	133.823 NG	0.50
96	99	448	6:50	1	0.935	A BV	616768.	138.069 NG	0.51
97	82	531	8:05	31	0.891	A VB	666036.	137.359 NG	0.51
98	172	697	10:37	59	0.913	A BB	510808.	129.177 NG	0.48
99	330	838	12:46	59	1.098	A BB	59048.	140.416 NG	0.52
100	212	1043	15:53	93	0.898	A BV	533332.	122.397 NG	0.45
101	244	1055	16:04	93	0.909	A BV	448202.	117.433 NG	0.44

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RA710
1	7:22	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:04	0.97	10.000	0.05	143.84	50.00	4.970	1.728	2.88
3	4:05	0.97	10.000	0.05	131.14	50.00	7.464	2.846	2.62
4	4:39	0.98	10.000	0.06	129.13	50.00	7.220	2.796	2.58
5	4:39	0.98	10.000	0.06	132.55	50.00	1.242	0.468	2.65
6	5:02	0.98	20.000	0.03	144.44	50.00	6.790	2.350	2.89
7	5:12	0.99	10.000	0.07	537.44	200.00	3.144	1.170	2.69
8	5:33	0.99	10.000	0.07	145.98	50.00	4.345	1.488	2.92
9	6:02	0.99	10.000	0.08	120.89	50.00	2.722	1.126	2.42



NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:23	0.99	10.000	0.09	126.57	50.00	2.558	1.010	2.53
11	6:53	0.99	10.000	0.09	132.17	50.00	6.906	2.612	2.64
12	6:58	0.99	10.000	0.09	145.27	50.00	9.087	2.749	3.31
13	6:59	0.99	10.000	0.09	124.66	50.00	1.481	0.594	2.49
14	7:01	0.99	20.000	0.05	146.19	50.00	6.763	2.313	2.92
15	7:07	0.99	10.000	0.10	120.22	50.00	4.323	1.798	2.40
16	7:19	0.99	10.000	0.10	135.25	50.00	4.228	1.563	2.70
17	7:22	0.99	10.000	0.10	114.37	50.00	12.587	5.303	2.29
18	7:22	0.99	10.000	0.10	107.43	50.00	4.046	1.683	2.15
19	7:32	0.99	10.000	0.10	126.66	50.00	2.885	1.139	2.53
20	7:38	0.99	10.000	0.10	128.23	50.00	4.124	1.608	2.56
21	7:42	0.99	10.000	0.10	130.52	50.00	4.504	1.725	2.61
22	7:44	1.00	10.000	0.11	155.73	50.00	7.678	2.465	3.11
23	7:53	1.00	10.000	0.11	267.57	100.00	4.803	1.795	2.68
24	7:53	1.00	10.000	0.11	267.57	100.00	4.803	1.795	2.68
25	7:54	1.00	10.000	0.11	142.15	50.00	2.838	0.998	2.84
26	7:54	1.00	10.000	0.11	124.50	50.00	1.110	0.446	2.49
27	7:54	1.00	10.000	0.11	133.93	50.00	8.122	3.032	2.68
28	7:56	0.99	10.000	0.11	129.11	50.00	5.664	2.194	2.58
29	7:58	1.00	10.000	0.11	150.19	50.00	6.588	2.193	3.00
30	8:04	0.99	10.000	0.11	133.99	50.00	2.809	1.048	2.68
31	9:08	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	8:09	1.00	10.000	0.09	138.20	50.00	2.066	0.747	2.76
33	8:21	1.00	10.000	0.09	126.82	50.00	0.618	0.244	2.54
34	8:28	1.00	10.000	0.09	129.37	50.00	3.610	1.395	2.59
35	8:36	0.99	10.000	0.09	126.94	50.00	1.652	0.651	2.54
36	8:36	1.00	10.000	0.09	117.08	50.00	0.541	0.231	2.34
37	8:37	0.99	10.000	0.09	115.38	50.00	0.783	0.339	2.31
38	8:38	1.00	10.000	0.09	120.43	50.00	2.070	0.859	2.41
39	8:44	1.00	100.000	0.01	124.56	50.00	0.609	0.245	2.49
40	8:45	0.99	10.000	0.10	135.08	50.00	1.893	0.701	2.70
41	8:55	1.00	10.000	0.10	121.35	50.00	0.679	0.280	2.43
42	9:03	1.00	10.000	0.10	126.73	50.00	0.762	0.301	2.53
43	9:09	1.00	10.000	0.10	134.67	50.00	3.348	1.243	2.69
44	9:13	1.00	10.000	0.10	104.43	50.00	1.370	0.656	2.09
45	9:14	1.00	20.000	0.05	122.90	50.00	0.765	0.311	2.46
46	9:19	1.00	10.000	0.10	301.06	50.00	0.350	0.058	6.02
47	9:30	1.01	10.000	0.11	219.51	50.00	0.272	0.062	4.39
48	9:19	1.00	10.000	0.10	134.99	50.00	0.430	0.159	2.70
49	9:23	1.00	10.000	0.10	121.19	50.00	0.379	0.156	2.42
50	9:24	1.00	10.000	0.10	119.96	50.00	0.728	0.303	2.40
51	9:29	1.00	20.000	0.05	126.02	50.00	1.224	0.486	2.52
52	9:42	1.00	10.000	0.11	138.21	50.00	1.158	0.419	2.76
53	9:51	1.00	10.000	0.11	133.99	50.00	1.324	0.494	2.68
54	9:51	1.00	10.000	0.11	190.50	50.00	0.124	0.033	3.81
55	9:59	1.00	10.000	0.11	120.27	50.00	0.651	0.271	2.41
56	9:59	1.00	10.000	0.11	13051.70	50.00	0.377	0.001	261.04
57	10:08	1.00	10.000	0.11	110.29	50.00	2.222	1.007	2.21
58	10:17	1.00	10.000	0.11	124.30	50.00	1.059	0.426	2.49
59	11:40	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:25	1.00	10.000	0.09	252.04	100.00	1.424	0.565	2.52
61	10:25	1.00	10.000	0.09	252.04	100.00	1.424	0.565	2.52
62	10:27	1.00	10.000	0.09	215.24	50.00	0.432	0.100	4.30
63	10:33	1.00	20.000	0.05	125.22	50.00	0.921	0.368	2.50
64	10:36	1.00	20.000	0.05	128.18	50.00	0.972	0.379	2.56
65	10:44	1.00	20.000	0.05	131.86	50.00	1.234	0.468	2.64

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:50	1.00	10.000	0.09	128.93	50.00	3.783	1.467	2.58
67	10:54	1.00	10.000	0.09	125.63	50.00	2.901	1.154	2.51
68	10:51	1.00	10.000	0.09	127.23	50.00	1.385	0.544	2.54
69	10:59	1.00	10.000	0.09	155.09	50.00	1.751	0.565	3.10
70	11:05	0.99	20.000	0.05	63.08	50.00	0.538	0.427	1.26
71	11:08	1.00	20.000	0.05	119.86	50.00	0.517	0.216	2.40
72	11:16	0.99	10.000	0.10	126.71	50.00	3.682	1.453	2.53
73	11:23	0.99	10.000	0.10	123.86	50.00	0.754	0.304	2.48
74	11:27	1.00	10.000	0.10	128.43	50.00	5.105	1.987	2.57
75	11:35	1.00	20.000	0.05	134.77	50.00	0.969	0.359	2.70
76	11:44	0.99	10.000	0.10	136.47	50.00	3.541	1.297	2.73
77	11:44	1.00	40.000	0.03	124.54	50.00	0.301	0.121	2.49
78	11:47	1.00	10.000	0.10	132.28	50.00	0.887	0.335	2.65
79	11:56	0.99	10.000	0.10	122.65	50.00	1.071	0.437	2.45
80	11:58	0.99	10.000	0.10	123.17	50.00	4.191	1.701	2.46
81	11:59	0.99	10.000	0.10	121.09	50.00	1.111	0.459	2.42
82	12:04	0.99	20.000	0.05	194.89	50.00	3.082	0.791	3.90
83	12:10	0.99	20.000	0.05	204.56	50.00	3.273	0.800	4.09
84	12:10	0.99	20.000	0.05	128.62	50.00	0.371	0.222	2.57
85	12:18	1.00	10.000	0.11	133.21	50.00	4.328	1.625	2.64
86	12:26	1.00	10.000	0.11	150.93	50.00	1.638	0.543	3.02
87	12:25	1.00	10.000	0.11	121.47	50.00	1.202	0.495	2.43
88	12:28	1.00	10.000	0.11	125.13	50.00	3.324	1.328	2.50
89	12:30	1.00	20.000	0.05	130.53	50.00	0.952	0.365	2.61
90	12:29	1.00	20.000	0.05	129.15	50.00	0.985	0.381	2.58
91	12:40	1.00	10.000	0.11	184.74	50.00	8.971	2.428	3.69
92	13:51	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:47	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	20:20	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:45	0.99	0.742	1.05	133.82	50.00	4.764	1.780	2.68
96	6:52	0.99	0.948	0.99	138.07	50.00	6.415	2.323	2.76
97	8:07	1.00	0.875	1.02	137.36	50.00	1.930	0.703	2.75
98	10:40	1.00	0.906	1.01	129.18	50.00	3.398	1.315	2.58
99	12:50	1.00	1.118	0.98	140.42	50.00	0.393	0.140	2.81
100	15:58	1.00	10.000	0.09	122.40	50.00	2.764	1.129	2.45
101	16:10	0.99	0.907	1.00	117.43	50.00	2.323	0.989	2.35

QUANTITATION REPORT FILE: HJ900408A22  
DATA: HJ900408A22.TI  
24/08/90 15:50:00  
SAMPLE: 2 UL 31260-#2389 120 NG B270 VERSION 3 STD. (6STD120)  
CONOB.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*467 D10-PHENANTHRENE (IS#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <334-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLORO BENZENE (G4#5) <118-74-1>
11	485 4-AMINODIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 012-CHRYSENE (IS#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D10-PERYLENE (IS#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	XTOT
1	188	904	13:46	1	1.000	A BB	168016.	40.000 NO	0.65
2	198	820	12:30	1	0.907	A BB	59836.	119.672 NO	1.93
3	169	823	12:32	1	0.910	A BB	51226 762452.	245.464 NO	3.96
4	169	823	12:32	1	0.910	A BB	51226 762452.	245.464 NO	3.96
5	213	849	12:36	1	0.939	A BB	38360.	98.464 NO	1.59
6	108	853	13:00	1	0.944	A VV	412207.	148.857 NO	2.40
7	248	858	13:04	1	0.949	A BB	103880.	117.385 NO	1.89
8	234	853	13:00	1	0.944	A BB	27436.	62.406 NO	1.01
9	129	871	13:16	1	0.963	A BB	82716.	116.266 NO	1.88
10	284	875	13:20	1	0.968	A BB	135356.	124.696 NO	2.01
11	169	883	13:27	1	0.977	A BV	355676.	128.714 NO	2.08
12	173	890	13:34	1	0.985	A BB	239740.	130.089 NO	2.10
13	266	890	13:34	1	0.985	A BV	74380.	116.012 NO	1.87
14	237	898	13:41	1	0.993	A BB	55232.	128.738 NO	2.08
15	178	907	13:49	1	1.003	A BV	652236.	129.485 NO	2.09
16	178	911	13:53	1	1.008	A VB	592244.	118.390 NO	1.91
17	149	957	14:35	1	1.059	A BV	1027290.	122.422 NO	1.97
18	97	989	15:04	1	1.094	A VV	388220.	177.491 NO	2.86
19	211	1008	15:21	1	1.115	A BB	39864.	300.806 NO	4.85
20	202	1022	15:34	1	1.131	A BB	623544.	122.806 NO	1.98
21	240	1161	17:41	21	1.000	A BB	154372.	40.000 NO	0.65
22	184	1030	15:42	21	0.887	A BB	86820.	246.523 NO	3.98
23	202	1045	15:55	21	0.900	A BV	625184.	122.593 NO	1.98
24	189	1058	16:07	21	0.911	A VB	53892.	113.372 NO	1.83
25	229	1069	16:17	21	0.921	A BB	101704.	108.536 NO	1.75
26	139	1073	16:21	21	0.924	A BV	434540.	127.255 NO	2.05
27	212	1100	16:46	21	0.947	A BV	227056.	131.518 NO	2.12
28	149	1101	16:46	21	0.948	A BV	495410.	125.416 NO	2.02
29	181	1127	17:10	21	0.971	A BB	248850.	121.461 NO	1.96
30	231	1152	17:33	21	0.992	A BV	89932.	119.449 NO	1.93
31	252	1153	17:34	21	0.993	A BB	131640.	117.361 NO	1.89
32	244	1150	17:31	21	0.991	A BB	106300.	174.872 NO	2.82
33	149	1155	17:36	21	0.995	A BV	651813.	124.007 NO	2.00
34	228	1159	17:40	21	0.998	A BV	534072.	121.391 NO	1.96
35	228	1163	17:43	21	1.002	A VB	476859.	115.205 NO	1.86
36	264	1325	20:11	36	1.000	A BV	143904.	40.000 NO	0.65
37	149	1215	18:31	36	0.917	A BB	1063370.	114.640 NO	1.85
38	252	1276	19:26	36	0.963	A BV	55666 777336.	231.718 NO	3.74
39	256	1276	19:26	36	0.963	A BV	233116.	129.534 NO	2.09
40	252	1276	19:26	36	0.963	A BV	55666 777336.	231.718 NO	3.74
41	252	1318	20:05	36	0.995	A VB	469748.	116.835 NO	1.88
42	268	1369	20:51	36	1.033	A BB	261688.	111.457 NO	1.80
43	279	1461	22:16	36	1.103	A BB	364344.	113.213 NO	1.83
44	276	1501	22:52	36	1.133	A BV	485914.	115.591 NO	1.86
45	278	1500	22:51	36	1.132	A BB	398266.	115.044 NO	1.86
46	276	1551	23:38	36	1.171	A BB	408942.	115.978 NO	1.87
47	234	861	13:07	1	0.952	A BB	39728.	60.631 NO	0.98

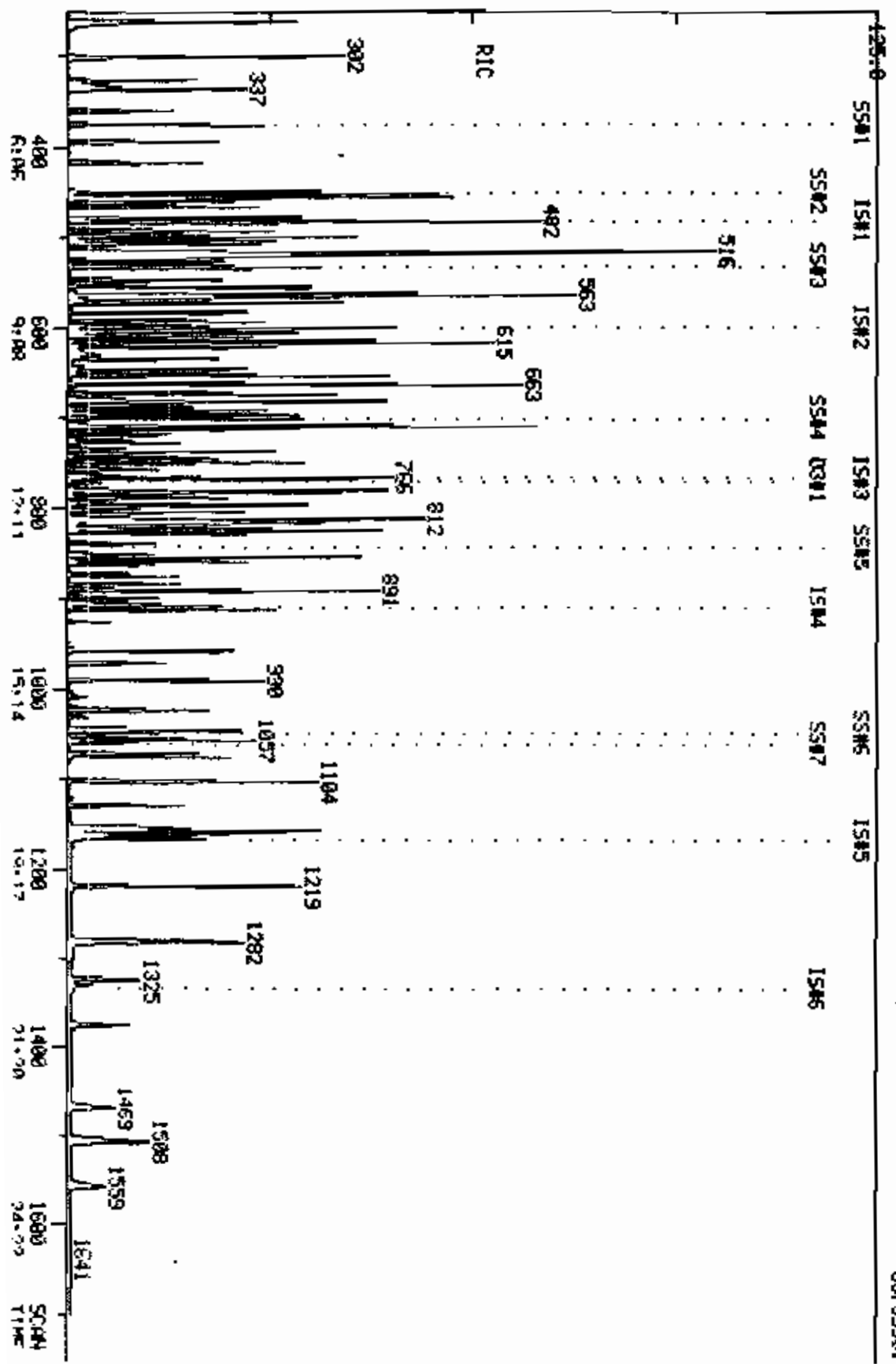
NO	RET(L)	RATID	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:51	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:34	0.99	30.000	0.03	119.67	50.00	0.285	0.119	2.39
3	12:36	1.00	10.000	0.09	245.46	100.00	1.819	0.739	2.45
4	12:36	1.00	10.000	0.09	245.46	100.00	1.819	0.739	2.45

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	13:01	0.99	20.000	0.05	98.46	50.00	0.183	0.093	1.97
6	13:02	1.00	10.000	0.09	148.86	50.00	1.963	0.659	2.98
7	13:08	1.00	10.000	0.09	117.38	50.00	0.495	0.211	2.35
8	13:03	1.00	10.000	0.09	62.41	25.00	0.261	0.105	2.50
9	13:21	0.99	10.000	0.10	116.27	50.00	0.394	0.169	2.33
10	13:24	1.00	10.000	0.10	124.70	50.00	0.644	0.258	2.49
11	13:32	0.99	10.000	0.10	128.71	50.00	1.694	0.658	2.97
12	13:38	0.99	10.000	0.10	130.09	50.00	1.142	0.439	2.60
13	13:38	0.99	20.000	0.05	116.01	50.00	0.354	0.153	2.32
14	13:45	0.99	10.000	0.10	128.74	50.00	0.263	0.102	2.57
15	13:53	1.00	10.000	0.10	129.49	50.00	3.106	1.199	2.59
16	13:57	0.99	10.000	0.10	118.39	50.00	2.820	1.191	2.37
17	14:39	0.99	10.000	0.11	122.42	50.00	4.891	1.998	2.45
18	15:09	0.99	20.000	0.05	177.49	50.00	1.848	0.521	3.55
19	15:27	0.99	50.000	0.02	300.81	200.00	0.047	0.032	1.50
20	15:39	1.00	10.000	0.11	122.81	50.00	2.969	1.209	2.46
21	17:47	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:46	1.00	10.000	0.09	246.52	50.00	0.450	0.091	4.93
23	16:00	1.00	10.000	0.09	122.59	50.00	3.240	1.321	2.45
24	16:13	0.99	20.000	0.05	113.37	50.00	0.279	0.123	2.27
25	16:23	0.99	10.000	0.09	108.54	50.00	0.527	0.243	2.17
26	16:26	0.99	10.000	0.09	127.26	50.00	2.252	0.885	2.55
27	16:51	0.99	20.000	0.05	131.52	50.00	1.177	0.447	2.63
28	16:52	0.99	10.000	0.09	125.42	50.00	2.567	1.024	2.91
29	17:16	0.99	10.000	0.10	121.46	50.00	1.290	0.531	2.43
30	17:39	0.99	10.000	0.10	119.45	50.00	0.466	0.195	2.39
31	17:40	0.99	10.000	0.10	117.36	50.00	0.682	0.291	2.35
32	17:37	0.99	10.000	0.10	174.87	50.00	0.551	0.158	3.50
33	17:42	0.99	10.000	0.10	124.01	50.00	3.378	1.362	2.48
34	17:45	0.99	10.000	0.10	121.39	50.00	2.768	1.140	2.43
35	17:49	0.99	10.000	0.10	115.21	50.00	2.471	1.073	2.30
36	20:20	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:38	0.99	10.000	0.09	114.64	50.00	5.912	2.578	2.29
38	19:35	0.99	10.000	0.10	231.72	100.00	2.161	0.932	2.32
39	19:35	0.99	10.000	0.10	129.53	50.00	1.296	0.500	2.59
40	19:35	0.99	10.000	0.10	231.72	100.00	2.161	0.932	2.32
41	20:14	0.99	10.000	0.10	116.83	50.00	2.611	1.118	2.34
42	21:02	0.99	10.000	0.10	111.46	50.00	1.455	0.653	2.23
43	22:27	0.99	10.000	0.11	113.21	50.00	2.025	0.895	2.26
44	23:03	0.99	10.000	0.11	115.59	50.00	2.701	1.168	2.31
45	23:02	0.99	10.000	0.11	115.04	50.00	2.214	0.962	2.30
46	23:50	0.99	10.000	0.12	115.98	50.00	2.273	0.980	2.32
47	13:12	0.99	10.000	0.10	60.63	25.00	0.378	0.156	2.43

PIC  
 04/08/90 14:21:00 /4.0  
 SAMPLE: 2 UL 31675-02390 SW HC 0270 VERSION 3 STD. (5170950)  
 COND5.1  
 5373990.

COMPUCHER LABS

COMPUCHER DATA: H11930408RZ2 SCANS 252 TO 1700  
 OUT OF 252 TO 1700



QUANTITATION REPORT FILE: HH900408A22  
DATA: HH900408A22.TI  
04/08/90 14:21:00  
SAMPLE: 2 UL 31675-82390 50 NG 8270 VERSION 3 STD. (SSTD050)  
CONDG.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (IS#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-73-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYL METHACRYLATE (Z9#2)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#36)
7	335 NITROSOMETHYLETHYLAMINE (Z9#4) <10399-93-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSOPIPERIDINE
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-METHYLPHENOL (G2#3) <88-75-3>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLOROANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (G2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (IS#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-98-1>
66	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	476 2-NITROANILINE (G3#6) <88-74-4>
70	504 1,4-NAPTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
74	402 ACEPHAPHTHYLENE (G3#8) <208-96-8>
75	479 3-NITROANILINE (G3#9) <99-09-2>
76	401 ACENAPHTHENE (G3#10) <83-32-9>
77	8605 2,4-DINITROPHENOL (G3#11) <51-28-4>
78	407 4-NITROPHENOL (G3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
80	476 DIBENZOFURAN (G3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
88	432 FLUORENE (G3#18) <84-73-7>
89	480 4-NITROANILINE (G3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (IS#4)
93	*459 D12-CHRYSENE (IS#5)
94	*497 D10-PERYLENE (IS#6)
95	#619 2-FLUOROPHENOL (SS#1)
96	#612 D5-PHENOL (SS#2)
97	#447 D5-NITROBENZENE (SS#3)
98	#448 2-FLUOROBIPHENYL (SS#4)
99	#629 2,4,6-TRIBROMOPHENOL (SS#5)
100	#471 D10-PYRENE (SS#6)
101	#496 D14-TERPHENYL (SS#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	ZTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	XTOT
1	152	481	7:20	1	1.000	A BB	71852.	40.000 NG	0.09
2	42	263	4:00	1	0.547	A BV	697736.	224.847 NG	0.49
3	79	264	4:01	1	0.549	A BB	898328.	175.729 NG	0.38
4	69	301	4:35	1	0.626	A VV	910036.	181.220 NG	0.39
5	89	302	4:36	1	0.628	A BB	147088.	174.828 NG	0.38
6	93	327	4:39	1	0.680	A BB	752772.	178.295 NG	0.39
7	88	337	5:08	1	0.701	A BB	696588.	331.434 NG	0.72
8	80	362	5:31	1	0.753	A BB	592212.	221.530 NG	0.48
9	102	394	6:00	1	0.819	A BB	295408.	146.070 NG	0.32
10	109	418	6:22	1	0.869	A BB	306316.	168.767 NG	0.37
11	94	451	6:52	1	0.938	A BV	829240.	176.705 NG	0.38
12	93	455	6:56	1	0.946	M XX	1283100.	259.827 NG	0.56
13	167	456	6:57	1	0.948	A BB	156800.	146.961 NG	0.32
14	93	458	6:59	1	0.952	M XX	831468.	200.127 NG	0.43
15	128	465	7:05	1	0.967	A BB	480536.	148.794 NG	0.32
16	146	478	7:17	1	0.994	A BV	476712.	169.773 NG	0.37
17	91	482	7:21	1	1.002	A BB	1457430.	147.452 NG	0.32
18	146	482	7:21	1	1.002	A VB	516624.	152.742 NG	0.33
19	108	493	7:31	1	1.025	A BV	356482.	174.265 NG	0.38
20	146	499	7:36	1	1.037	A BB	473152.	163.781 NG	0.36
21	108	503	7:40	1	1.046	A VB	508218.	163.970 NG	0.36
22	45	507	7:43	1	1.054	A BB	879956.	198.726 NG	0.43
23	108	516	7:52	1	1.073	A BV <sup>547838</sup>	053676.	339.803 NG	0.74
24	108	516	7:52	1	1.073	A BV <sup>547838</sup>	098676.	339.803 NG	0.74
25	100	517	7:53	1	1.075	A BB	319308.	178.097 NG	0.39
26	116	518	7:54	1	1.077	A BB	132552.	165.522 NG	0.36
27	105	518	7:54	1	1.077	A BB	871860.	160.081 NG	0.35
28	70	520	7:55	1	1.081	A BB	658976.	167.238 NG	0.36
29	106	522	7:57	1	1.085	A BB	718936.	182.487 NG	0.40
30	117	527	8:02	1	1.096	A BB	325400.	172.797 NG	0.38
31	136	597	9:06	31	1.000	A BB	247260.	40.000 NG	0.09
32	77	533	8:07	31	0.893	A BV	801596.	173.508 NG	0.38
33	114	547	8:20	31	0.916	A BB	245984.	163.190 NG	0.35
34	82	555	8:27	31	0.930	A BV	1484780.	172.135 NG	0.37
35	107	563	8:35	31	0.943	A BB	647360.	160.891 NG	0.35
36	139	562	8:34	31	0.941	A BB	227700.	159.289 NG	0.35
37	180	564	8:36	31	0.945	A BB	318692.	151.921 NG	0.33
38	129	566	8:37	31	0.948	A BB	829708.	156.198 NG	0.34
39	122	572	8:43	31	0.958	A VV	215765.	142.708 NG	0.31
40	93	572	8:43	31	0.958	A VB	703960.	162.503 NG	0.35
41	162	583	8:53	31	0.977	A BB	272428.	157.550 NG	0.34
42	180	592	9:01	31	0.992	A BB	308104.	165.688 NG	0.36
43	128	599	9:08	31	1.003	A BV	1291380.	168.067 NG	0.36
44	127	603	9:11	31	1.010	A BB	723744.	178.515 NG	0.39
45	162	605	9:13	31	1.013	A BB	305512.	158.704 NG	0.34
46	108	607	9:15	31	1.017	A BV	247633.	688.578 NG	1.50
47	91	631	9:37	31	1.057	A VB	109720.	286.975 NG	0.62
48	213	610	9:18	31	1.022	A BB	195864.	198.988 NG	0.43
49	225	614	9:21	31	1.028	A BB	160312.	165.945 NG	0.36
50	180	615	9:22	31	1.030	A BB	309328.	162.805 NG	0.35
51	159	620	9:27	31	1.039	A BB	480032.	159.885 NG	0.35
52	84	635	9:40	31	1.064	A BB	256472.	99.033 NG	0.22
53	107	645	9:50	31	1.080	A VV	531634.	174.071 NG	0.38
54	108	645	9:50	31	1.080	A VV	110568.	540.604 NG	1.17
55	162	653	9:57	31	1.094	A BB	242700.	145.011 NG	0.31
56	108	654	9:58	31	1.095	A VB	244624.	27422.900 NG	59.54

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
97	142	663	10:06	31	1.111	A BB	1001950.	160.948 NG	0.35
98	142	673	10:15	31	1.127	A BB	537792.	204.312 NG	0.44
99	164	763	11:38	59	1.000	A BB	105856.	40.000 NG	0.09
60	216	681	10:23	59	0.893	A BB	492844.	329.205 NG	0.71
61	216	681	10:23	59	0.893	A BB	492844.	329.205 NG	0.71
62	237	683	10:24	59	0.895	A BB	143088.	538.438 NG	1.17
63	196	690	10:31	59	0.904	A BV	171444.	176.194 NG	0.38
64	196	694	10:34	59	0.910	A VB	157208.	156.662 NG	0.34
65	162	701	10:41	59	0.919	A BB	236240.	190.714 NG	0.41
66	162	709	10:48	59	0.929	M XX	693788.	178.722 NG	0.39
67	162	712	10:51	59	0.933	M XX	526392.	172.296 NG	0.37
68	216	709	10:48	59	0.929	A BB	238984.	165.868 NG	0.36
69	69	718	10:56	59	0.941	A VV	296137.	198.206 NG	0.43
70	158	724	11:02	59	0.949	A BB	91064.	80.667 NG	0.18
71	168	728	11:06	59	0.954	A BB	92324.	161.626 NG	0.35
72	163	737	11:14	59	0.966	A BB	681932.	177.338 NG	0.39
73	165	744	11:20	59	0.975	A BB	135568.	168.332 NG	0.37
74	152	749	11:25	59	0.982	A BB	898032.	170.797 NG	0.37
75	138	757	11:32	59	0.992	A BV	160788.	169.064 NG	0.37
76	153	766	11:40	59	1.004	A BB	614184.	178.880 NG	0.39
77	184	767	11:41	59	1.005	A BB	46296.	144.575 NG	0.31
78	109	771	11:49	59	1.010	A BV	128216.	144.927 NG	0.31
79	169	782	11:59	59	1.025	A BB	186248.	161.203 NG	0.35
80	168	781	11:54	59	1.024	A BB	711344.	197.996 NG	0.34
81	250	783	11:56	59	1.026	A BB	187164.	154.103 NG	0.33
82	143	788	12:00	59	1.033	A BV	620808.	296.702 NG	0.64
83	143	795	12:07	59	1.042	A VB	570275.	269.376 NG	0.58
84	232	796	12:08	59	1.043	A BB	98064.	166.960 NG	0.36
85	149	804	12:15	59	1.054	A BV	740680.	172.286 NG	0.37
86	97	813	12:23	59	1.066	A VV	287392.	200.105 NG	0.43
87	204	812	12:22	59	1.064	A BB	215844.	164.797 NG	0.36
88	166	814	12:24	59	1.067	A BV	581892.	165.532 NG	0.36
89	138	817	12:27	59	1.071	A BV	163284.	169.213 NG	0.37
90	152	816	12:26	59	1.069	A BV	161684.	160.279 NG	0.35
91	77	827	12:36	59	1.084	A VB	1516420.	236.010 NG	0.51
92	188	905	13:47	92	1.000	A BB	138792.	40.000 NG	0.09
93	240	1164	17:44	93	1.000	A BB	129620.	40.000 NG	0.09
94	264	1331	20:17	94	1.000	A BV	119860.	40.000 NG	0.09
95	112	375	5:43	1	0.780	A BB	546468.	170.909 NG	0.37
96	99	450	6:51	1	0.936	A BV	741204.	177.628 NG	0.39
97	82	532	8:06	31	0.891	A BB	876892.	201.908 NG	0.44
98	172	697	10:37	59	0.913	A BB	396320.	171.401 NG	0.37
99	330	838	12:46	59	1.098	A BB	65272.	176.360 NG	0.38
100	212	1045	15:55	93	0.898	A VV	592056.	161.820 NG	0.35
101	244	1097	16:06	93	0.908	A BB	507352.	158.316 NG	0.34

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	4:04	0.99	10.000	0.05	224.85	50.00	7.769	1.728	4.50
3	4:05	0.99	10.000	0.05	173.73	50.00	10.002	2.846	3.51
4	4:39	0.99	10.000	0.06	181.22	50.00	10.132	2.796	3.62
5	4:39	0.99	10.000	0.06	174.83	50.00	1.638	0.468	3.50
6	5:02	0.99	20.000	0.03	178.30	50.00	8.381	2.350	3.57
7	5:12	0.99	10.000	0.07	331.43	200.00	1.939	1.170	1.66
8	5:33	0.99	10.000	0.08	221.53	50.00	6.594	1.488	4.43
9	6:02	0.99	10.000	0.08	146.07	50.00	3.289	1.126	2.92

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:23	1.00	10.000	0.09	168.77	50.00	3.411	1.010	3.38
11	6:33	1.00	10.000	0.09	176.70	50.00	9.233	2.612	3.53
12	6:58	1.00	10.000	0.09	259.83	50.00	14.286	2.749	5.20
13	6:59	1.00	10.000	0.09	146.96	50.00	1.746	0.594	2.94
14	7:01	1.00	20.000	0.05	200.13	50.00	9.258	2.313	4.00
15	7:07	1.00	10.000	0.10	148.79	50.00	5.350	1.798	2.98
16	7:19	1.00	10.000	0.10	169.77	50.00	5.308	1.563	3.40
17	7:22	1.00	10.000	0.10	147.45	50.00	16.227	5.503	2.95
18	7:22	1.00	10.000	0.10	152.74	50.00	5.752	1.683	3.05
19	7:32	1.00	10.000	0.10	174.27	50.00	3.969	1.139	3.49
20	7:38	1.00	10.000	0.10	163.78	50.00	5.268	1.608	3.28
21	7:42	1.00	10.000	0.10	163.97	50.00	9.658	1.725	3.28
22	7:44	1.00	10.000	0.11	198.73	50.00	9.797	2.465	3.97
23	7:53	1.00	10.000	0.11	339.80	100.00	6.100	1.795	3.40
24	7:53	1.00	10.000	0.11	339.80	100.00	6.100	1.795	3.40
25	7:54	1.00	10.000	0.11	178.10	50.00	3.555	0.998	3.56
26	7:54	1.00	10.000	0.11	165.52	50.00	1.476	0.446	3.31
27	7:54	1.00	10.000	0.11	160.08	50.00	9.707	3.032	3.20
28	7:56	1.00	10.000	0.11	167.24	50.00	7.337	2.194	3.34
29	7:58	1.00	10.000	0.11	182.49	50.00	8.005	2.193	3.69
30	8:04	1.00	10.000	0.11	172.80	50.00	3.623	1.048	3.46
31	9:08	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	8:09	1.00	10.000	0.09	173.51	50.00	2.594	0.747	3.47
33	8:21	1.00	10.000	0.09	163.19	50.00	0.796	0.244	3.26
34	8:28	1.00	10.000	0.09	172.14	50.00	4.804	1.395	3.44
35	8:36	1.00	10.000	0.09	160.89	50.00	2.095	0.651	3.22
36	8:36	1.00	10.000	0.09	159.29	50.00	0.737	0.231	3.19
37	8:37	1.00	10.000	0.09	151.92	50.00	1.031	0.309	3.04
38	8:38	1.00	10.000	0.09	156.20	50.00	2.684	0.859	3.12
39	8:44	1.00	100.000	0.01	142.71	50.00	0.698	0.245	2.85
40	8:45	1.00	10.000	0.10	162.90	50.00	2.278	0.701	3.25
41	8:55	1.00	10.000	0.10	157.55	50.00	0.881	0.280	3.15
42	9:03	1.00	10.000	0.10	165.69	50.00	0.997	0.301	3.31
43	9:09	1.00	10.000	0.10	168.07	50.00	4.178	1.243	3.36
44	9:13	1.00	10.000	0.10	178.52	50.00	2.342	0.656	3.97
45	9:14	1.00	20.000	0.05	158.70	50.00	0.988	0.311	3.17
46	9:19	0.99	10.000	0.10	688.58	50.00	0.801	0.058	13.77
47	9:30	1.01	10.000	0.11	286.97	50.00	0.355	0.062	5.74
48	9:19	1.00	10.000	0.10	198.99	50.00	0.634	0.199	3.98
49	9:23	1.00	10.000	0.10	165.94	50.00	0.519	0.156	3.32
50	9:24	1.00	10.000	0.10	162.81	50.00	0.988	0.303	3.26
51	9:29	1.00	20.000	0.05	159.88	50.00	1.553	0.486	3.20
52	9:42	1.00	10.000	0.11	99.03	50.00	0.830	0.419	1.98
53	9:51	1.00	10.000	0.11	174.07	50.00	1.720	0.494	3.48
54	9:51	1.00	10.000	0.11	540.60	50.00	0.358	0.033	10.81
55	9:59	1.00	10.000	0.11	145.01	50.00	0.785	0.271	2.90
56	9:59	1.00	10.000	0.11	27422.90	50.00	0.791	0.001	548.46
57	10:08	1.00	10.000	0.11	160.99	50.00	3.242	1.007	3.22
58	10:17	1.00	10.000	0.11	204.31	50.00	1.740	0.426	4.09
59	11:40	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:25	1.00	10.000	0.09	329.20	100.00	1.860	0.565	3.29
61	10:25	1.00	10.000	0.09	329.20	100.00	1.860	0.565	3.29
62	10:27	1.00	10.000	0.09	538.44	50.00	1.081	0.100	10.77
63	10:33	1.00	20.000	0.05	176.19	50.00	1.296	0.368	3.52
64	10:36	1.00	20.000	0.05	156.66	50.00	1.188	0.379	3.13
65	10:44	1.00	20.000	0.05	190.71	50.00	1.785	0.468	3.81

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:50	1.00	10.000	0.09	178.72	50.00	5.243	1.467	3.97
67	10:54	1.00	10.000	0.09	172.30	50.00	3.978	1.154	3.45
68	10:51	1.00	10.000	0.09	165.87	50.00	1.806	0.944	3.32
69	10:59	1.00	10.000	0.09	198.21	50.00	2.238	0.565	3.96
70	11:05	1.00	20.000	0.05	80.67	50.00	0.688	0.427	1.61
71	11:08	1.00	20.000	0.05	161.63	50.00	0.698	0.216	3.23
72	11:16	1.00	10.000	0.10	177.34	50.00	5.154	1.453	3.55
73	11:23	1.00	10.000	0.10	168.33	50.00	1.025	0.304	3.37
74	11:27	1.00	10.000	0.10	170.76	50.00	6.787	1.987	3.42
75	11:35	1.00	20.000	0.05	169.06	50.00	1.215	0.359	3.38
76	11:44	0.99	10.000	0.10	178.88	50.00	4.642	1.297	3.58
77	11:44	1.00	40.000	0.03	144.58	50.00	0.350	0.121	2.89
78	11:47	1.00	10.000	0.10	144.53	50.00	0.969	0.335	2.89
79	11:58	1.00	10.000	0.10	161.20	50.00	1.408	0.437	3.22
80	11:58	0.99	10.000	0.10	158.00	50.00	5.376	1.701	3.16
81	11:59	0.99	10.000	0.10	154.10	50.00	1.414	0.459	3.08
82	12:04	0.99	20.000	0.05	296.70	50.00	4.692	0.791	5.93
83	12:10	0.99	20.000	0.05	269.38	50.00	4.310	0.800	5.39
84	12:10	1.00	20.000	0.05	166.96	50.00	0.741	0.222	3.34
85	12:18	1.00	10.000	0.11	172.29	50.00	5.598	1.625	3.45
86	12:26	1.00	10.000	0.11	200.11	50.00	2.172	0.543	4.00
87	12:25	1.00	10.000	0.11	164.80	50.00	1.631	0.495	3.30
88	12:28	1.00	10.000	0.11	165.53	50.00	4.398	1.328	3.31
89	12:30	1.00	20.000	0.05	169.21	50.00	1.234	0.365	3.38
90	12:29	1.00	20.000	0.05	160.28	50.00	1.222	0.381	3.21
91	12:40	1.00	10.000	0.11	236.01	50.00	11.460	2.428	4.72
92	13:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:47	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	20:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:45	0.99	0.742	1.05	170.91	50.00	6.084	1.780	3.42
96	6:52	1.00	0.948	0.99	177.63	50.00	8.253	2.323	3.55
97	8:07	1.00	0.875	1.02	201.91	50.00	2.837	0.703	4.04
98	10:40	1.00	0.906	1.01	171.40	50.00	4.508	1.315	3.43
99	12:50	1.00	1.118	0.98	176.36	50.00	0.493	0.140	3.53
100	15:58	1.00	10.000	0.09	161.82	50.00	3.654	1.129	3.24
101	16:10	1.00	0.907	1.00	158.32	50.00	3.131	0.989	3.17

QUANTITATION REPORT FILE: HH900408A22  
DATA: HH900408A22.TI  
04/08/90 14:21:00  
SAMPLE: 2 UL 31675-#2390 50 NG B270 VERBION 3 STD. (68TDO90)  
CONDB.:  
SUBMITTED BY: 22 ANALYST: 875

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

NO	NAME
1	*467 010-PHENANTHRENE (I8#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <334-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 01-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (I8#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-97-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 010-PERYLENE (I8#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INQENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTDT
1	188	905	13:47	1	1.000	A BB	138792.	40.000 NG	0.47
2	198	821	12:31	1	0.907	A BB	68032.	164.714 NG	1.95
3	169	823	12:32	1	0.909	A VV	857212.	334.079 NG	3.95
4	169	823	12:32	1	0.909	A VV	857212.	334.079 NG	3.95
5	213	850	12:57	1	0.939	A BB	43664.	135.678 NG	1.60
6	108	854	13:01	1	0.944	A VV	468870.	204.971 NG	2.42
7	248	858	13:04	1	0.948	A BB	122096.	167.020 NG	1.97
8	234	853	13:00	1	0.943	A BB	33476.	92.178 NG	1.09
9	125	872	13:17	1	0.964	A BB	85788.	145.974 NG	1.72
10	284	875	13:20	1	0.967	A BB	155344.	173.465 NG	2.05
11	169	884	13:28	1	0.977	A BV	396858.	173.858 NG	2.05
12	173	891	13:35	1	0.985	A VV	272640.	179.091 NG	2.12
13	266	891	13:35	1	0.985	A BV	85548.	161.526 NG	1.91
14	237	899	13:42	1	0.993	A VB	62764.	177.097 NG	2.09
15	178	907	13:49	1	1.002	A BV	759160.	182.446 NG	2.16
16	178	912	13:54	1	1.008	A VB	709464.	171.685 NG	2.03
17	149	958	14:36	1	1.059	A VV	1114720.	160.811 NG	1.90
18	97	990	15:05	1	1.094	A BV	460996.	255.142 NG	3.01
19	211	1010	15:23	1	1.116	A BV	43520.	397.540 NG	4.70
20	202	1023	15:35	1	1.130	A BV	719051.	171.435 NG	2.03
21	240	1164	17:44	21	1.000	A BB	129620.	40.000 NG	0.47
22	184	1032	15:43	21	0.887	A BV	96016.	324.697 NG	3.84
23	202	1046	15:56	21	0.899	A VV	699974.	162.442 NG	1.92
24	185	1060	16:09	21	0.911	A VB	75716.	189.700 NG	2.24
25	225	1071	16:19	21	0.920	A BB	111856.	142.165 NG	1.68
26	139	1075	16:23	21	0.924	A BV	529012.	184.505 NG	2.18
27	212	1103	16:48	21	0.948	A BV	243276.	167.821 NG	1.98
28	149	1104	16:49	21	0.948	A BV	589175.	177.635 NG	2.10
29	181	1130	17:13	21	0.971	A BV	295105.	171.543 NG	2.03
30	231	1155	17:36	21	0.992	A BB	107184.	169.549 NG	2.00
31	252	1156	17:37	21	0.993	A BV	148968.	158.170 NG	1.87
32	244	1153	17:34	21	0.991	A BB	130464.	255.608 NG	3.02
33	149	1158	17:39	21	0.995	A BV	756998.	171.519 NG	2.03
34	228	1162	17:42	21	0.998	A BV	604343.	163.593 NG	1.93
35	228	1166	17:46	21	1.002	A VB	586342.	168.706 NG	1.99
36	264	1331	20:17	36	1.000	A BV	119860.	40.000 NG	0.47
37	149	1219	18:34	36	0.916	A BV	1231010.	159.336 NG	1.88
38	252	1282	19:32	36	0.963	A BB	863180.	308.923 NG	3.65
39	256	1281	19:31	36	0.962	A BV	264282.	176.310 NG	2.08
40	252	1282	19:32	36	0.963	A BB	863180.	308.923 NG	3.65
41	252	1324	20:10	36	0.995	A BV	520684.	155.482 NG	1.84
42	268	1376	20:58	36	1.034	A BB	298911.	152.850 NG	1.81
43	279	1469	22:23	36	1.104	A BB	393812.	146.917 NG	1.74
44	276	1509	22:59	36	1.134	A BB	509048.	153.954 NG	1.82
45	278	1308	22:59	36	1.133	A BB	443250.	153.723 NG	1.82
46	276	1559	23:45	36	1.171	A BV	442826.	150.781 NG	1.78
47	234	862	13:08	1	0.952	A BB	47600.	87.941 NG	1.04

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:34	1.00	30.000	0.03	164.71	50.00	0.392	0.119	3.29
3	12:36	1.00	10.000	0.09	334.08	100.00	2.470	0.739	3.34
4	12:36	1.00	10.000	0.09	334.08	100.00	2.470	0.739	3.34

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	13:01	1.00	20.000	0.05	135.68	50.00	0.292	0.093	2.71
6	13:03	1.00	10.000	0.09	204.97	50.00	2.703	0.659	4.10
7	13:08	1.00	10.000	0.09	167.02	50.00	0.704	0.211	3.34
8	13:03	1.00	10.000	0.09	92.18	25.00	0.386	0.109	3.69
9	13:21	1.00	10.000	0.10	143.97	50.00	0.494	0.169	2.92
10	13:24	1.00	10.000	0.10	173.47	50.00	0.897	0.258	3.47
11	13:32	1.00	10.000	0.10	173.86	50.00	2.287	0.658	3.48
12	13:38	1.00	10.000	0.10	179.09	50.00	1.572	0.439	3.58
13	13:38	1.00	20.000	0.05	161.53	50.00	0.493	0.153	3.23
14	13:45	1.00	10.000	0.10	177.10	50.00	0.362	0.102	3.54
15	13:53	1.00	10.000	0.10	182.45	50.00	4.376	1.199	3.65
16	13:57	1.00	10.000	0.10	171.68	50.00	4.089	1.191	3.43
17	14:39	1.00	10.000	0.11	160.81	50.00	6.425	1.998	3.22
18	15:09	1.00	20.000	0.05	255.14	50.00	2.657	0.921	5.10
19	15:27	1.00	50.000	0.02	397.54	200.00	0.063	0.032	1.99
20	15:39	1.00	10.000	0.11	171.43	50.00	4.145	1.209	3.43
21	17:47	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:46	1.00	10.000	0.09	324.70	50.00	0.593	0.091	6.49
23	16:00	1.00	10.000	0.09	162.44	50.00	4.293	1.321	3.25
24	16:13	1.00	20.000	0.05	189.70	50.00	0.467	0.123	3.79
25	16:23	1.00	10.000	0.09	142.16	50.00	0.690	0.243	2.84
26	16:26	1.00	10.000	0.09	184.51	50.00	3.265	0.885	3.69
27	16:31	1.00	20.000	0.05	167.82	50.00	1.501	0.447	3.36
28	16:32	1.00	10.000	0.09	177.64	50.00	3.636	1.024	3.55
29	17:16	1.00	10.000	0.10	171.54	50.00	1.821	0.531	3.43
30	17:39	1.00	10.000	0.10	169.55	50.00	0.662	0.195	3.39
31	17:40	1.00	10.000	0.10	158.17	50.00	0.919	0.291	3.16
32	17:37	1.00	10.000	0.10	255.61	50.00	0.805	0.158	5.11
33	17:42	1.00	10.000	0.10	171.52	50.00	4.672	1.362	3.43
34	17:43	1.00	10.000	0.10	163.59	50.00	3.730	1.140	3.27
35	17:49	1.00	10.000	0.10	168.71	50.00	3.619	1.073	3.37
36	20:20	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:38	1.00	10.000	0.09	159.34	50.00	8.216	2.578	3.19
38	19:35	1.00	10.000	0.10	308.92	100.00	2.881	0.932	3.09
39	19:35	1.00	10.000	0.10	176.31	50.00	1.764	0.500	3.53
40	19:35	1.00	10.000	0.10	308.92	100.00	2.881	0.932	3.09
41	20:14	1.00	10.000	0.10	155.48	50.00	3.475	1.118	3.11
42	21:02	1.00	10.000	0.10	152.85	50.00	1.995	0.653	3.06
43	22:27	1.00	10.000	0.11	146.92	50.00	2.628	0.895	2.94
44	23:03	1.00	10.000	0.11	153.95	50.00	3.598	1.168	3.08
45	23:02	1.00	10.000	0.11	153.72	50.00	2.958	0.962	3.07
46	23:50	1.00	10.000	0.12	150.78	50.00	2.956	0.980	3.02
47	13:12	1.00	10.000	0.10	87.94	25.00	0.549	0.156	3.52

INITIAL TIME OF TUNE 12:00  
 TIME TUNE EXPIRES 01:50  
 SHIFTS (A)  (B)  (C)   
 DATE 4/8/90  
 ANALYSIS TYPE 5.2200.3

FILE NAME	DATE	TIME	EPA ID	CASE NO.	STD ID #	AMOUNT NEEDED	CHEMIST	COMMENTS (Lot #s, Disposition, Etc.)
<del>01400401A22</del>	<del>4/8/90</del>	<del>12:50</del>	<del>DETRP</del>		<del>7050</del>	<del>1.00</del>	<del>ERT</del>	
<del>46900401A22</del>	<del>4/8/90</del>	<del>13:37</del>	<del>5STD0050</del>		<del>2387</del>	<del>2.00</del>	<del>ERT</del>	
<del>41400401A22</del>	<del>4/8/90</del>	<del>14:21</del>	<del>5STD0100</del>		<del>2390</del>	<del>2.00</del>	<del>ERT</del>	
<del>41500401A22</del>	<del>4/8/90</del>	<del>15:21</del>	<del>5STD0100</del>		<del>2385</del>	<del>2.00</del>	<del>ERT</del>	
<del>41500401A22</del>	<del>4/8/90</del>	<del>15:30</del>	<del>5STD0120</del>		<del>2385</del>	<del>2.00</del>	<del>ERT</del>	
<del>41500401A22</del>	<del>4/8/90</del>	<del>14:11</del>	<del>5STD0100</del>		<del>2388</del>	<del>2.00</del>	<del>ERT</del>	
			MP (GAD)					

VERIFIED J. Callery 4/10/90  
 SUPERVISOR APPROVAL J. Callery 4/10/90



(2) Continuing Calibration (Form VII SV-1, SV-2) - In order by instrument, if more than one instrument used.

(a) BNA standard(s) reconstructed ion chromatograms and quantitation reports (or legible facsimile) for all continuing (12 hour) calibrations. Spectra are not required.

(b) When more than one continuing calibration is performed, forms must be in chronological order, within fraction and instrument.

CONTINUING CALIBRATION CHECK  
MABTS

PAGE

CASE NO:  
CONTRACTOR: COMFUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 06  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/10/90  
TIME: 18:08  
STANDARD FILE ID: H0900310806  
MULTIPOINT DATE: 5/ 5/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
2 441 N-NITROSODIMETHYLAMINE (G102)	1.377	0.953	30.8			
3 481 PYRIDINE (Z901)	1.387	0.993	28.4			
4 509 ETHYLMAHACRYLATE (Z902)	1.517	1.155	23.9			
5 542 PARALDEHYDE (Z903)	0.290	0.238	17.9			
6 510 2-PICOLINE (Z905A)	1.494	1.241	16.9			
7 535 NITROSOMETHYLETHYLAMINE (Z904)	0.387	1.181	-205.2			
8 543 METHYL METHANE SULFONATE (Z905)	1.116	0.989	11.7			
9 499 N-NITROSODIETHYLAMINE (Z906)	0.766	0.663	13.4			
10 514 ETHYL METHANESULFONATE (Z907)	0.766	0.741	3.3			
11 610 PHENOL (G103)	1.742	1.612	7.5	*		PAS:
12 473 ANILINE (G104)	2.314	1.827	21.0			
13 505 PENTACHLOROETHANE (Z908)	0.544	0.597	-9.7			
14 411 BIS(2-CHLOROETHYL)ETHER (G105)	1.838	1.741	5.3			
15 601 2-CHLOROPHENOL (G106)	1.468	1.465	0.2			
16 421 1,3-DICHLOROBENZENE (G107)	1.553	1.590	-2.4			
17 506 BENZYL CHLORIDE (Z909)	2.667	2.679	-0.4			
18 422 1,4-DICHLOROBENZENE (G108)	1.435	1.589	-10.7	*		PAS:
19 474 BENZYL ALCOHOL (G109)	0.892	0.937	-5.0			
20 420 1,2-DICHLOROBENZENE (G1010)	1.497	1.601	-6.9			
21 620 2-METHYLPHENOL (G1011)	1.311	1.262	3.7			
22 412 BIS(2-CHLOROISOPROPYL)ETHER (G1012)	4.110	3.208	21.9			
23 621 3-METHYLPHENOL (F102)	1.163	1.105	5.0			
24 622 4-METHYLPHENOL (G1013)	1.163	1.105	5.0			
25 528 N-NITROSOPYRROLIDINE (Z9010)	0.760	0.723	4.9			
26 544 N-NITROSOMORPHOLINE (Z9012)	0.370	0.402	-8.6			
27 500 ACETOPHENONE (Z9011)	1.936	2.046	-5.7			
28 442 N-NITROSO-DI-N-PROPYLAMINE (G1014)	1.490	1.274	14.5	**		PAS:
29 512 O-TOLUIDINE HYDROCHLORIDE (Z9013)	1.632	1.637	-0.3			
30 436 HEXACHLOROETHANE (G1015)	0.901	0.987	-9.5			
32 440 NITROBENZENE (G1016)	0.607	0.566	6.8			
33 502 N-NITROSODIPIPERIDINE (Z9014)	0.224	0.209	6.7			
34 438 ISOPHORONE (G202)	1.194	1.033	13.5			
35 603 2,4-DIMETHYLPHENOL (G204)	0.378	0.348	7.9			
36 606 2-NITROPHENOL (G203)	0.198	0.209	-5.6	*		PAS:
37 451 1,3,5-TRICHLOROBENZENE (Z9022)	0.348	0.374	-7.5			
38 518 BENZAL CHLORIDE (Z9016)	0.692	0.754	-9.0			
39 625 BENZOIC ACID (G205)	0.198	0.164	17.2			
40 410 BIS(2-CHLOROETHOXY)METHANE (G206)	0.594	0.569	4.2			
41 602 2,4-DICHLOROPHENOL (G207)	0.325	0.359	-10.5	*		PAS:
42 446 1,2,4-TRICHLOROBENZENE (G208)	0.400	0.440	-10.0			
43 439 NAPHTHALENE (G209)	1.091	1.139	-4.4			
44 475 4-CHLOROANILINE (G210)	0.441	0.439	0.5			
45 631 2,6-DICHLOROPHENOL (Z9018)	0.334	0.368	-10.2			
46 524 O-PHENYLENEDIAMINE (Z9019)	0.110	0.124	-12.7			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MASTS

PAGE

CAGE NO:  
CONTRACTOR: COMPUCHEN  
CONTRACT NO:  
INSTRUMENT ID: 06  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/10/90  
TIME: 18:08  
STANDARD FILE ID: H0900510806  
MULTIPOINT DATE: 5/ 9/90  
MAXIMUM ZD FOR CCC IS 252

COMPOUND	AVG RF	RF ( 50)	ZD	CCC	SPCC	P/F
47 315 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9	0.090	0.020	77.8			
48 537 HEXACHLOROPROPENE (Z9021)	0.254	0.320	-26.0			
49 434 HEXACHLOROBUTADIENE (Q2011)	0.237	0.291	-22.8	*		PAS
50 450 1,2,3-TRICHLOROBENZENE (Z9015)	0.370	0.416	-12.4			
51 534 BENZOTRICHORIDE (Z9023)	0.463	0.564	-21.8			
52 536 N-NITROSO-DI-N-BUTYLAMINE (Z9024)	0.244	0.226	7.4			
53 608 P-CHLORO-M-CRESOL (Q2012)	0.443	0.443	0.0	*		PAS
54 526 P-PHENYLENEDIAMINE (Z9020)	0.088	0.038	56.8			
55 503 SAFFROLE (Z9027)	0.290	0.312	-7.6			
56 525 M-PHENYLENEOIAMINE (Z9026)	0.053	0.002	96.2			
57 477 2-METHYLNAPHTHALENE (Q2013)	0.864	0.937	-8.4			
58 569 1-METHYLNAPHTHALENE (T2028)	0.511	0.558	-9.2			
60 457 1,2,4,5-TETRACHLOROBENZENE (Z9031)	0.567	0.616	-8.6			
61 513 1,2,3,5-TETRACHLOROBENZENE (Z9029)	0.567	0.616	-8.6			
62 435 HEXACHLOROCYCLOPENTADIENE (Q302)	0.254	0.363	-42.9		**	PAS
63 611 2,4,6-TRICHLOROPHENOL (Q303)	0.478	0.432	9.6	*		PAS
64 626 2,4,5-TRICHLOROPHENOL (Q304)	0.415	0.437	-9.3			
65 527 ISOSAFFROLE (Z9030)	0.477	0.490	-2.7			
66 416 2-CHLORONAPHTHALENE (Q305)	1.234	1.231	0.2			
67 564 1-CHLORONAPHTHALENE (F402)	0.997	1.019	-2.2			
68 456 1,2,3,4-TETRACHLOROBENZENE (Z9028)	0.579	0.618	-6.7			
69 478 2-NITROANILINE (Q306)	0.688	0.578	16.0			
70 504 1,4-NAPHTHOQUINONE (Z9032)	0.346	0.460	-32.9			
71 491 1,4-DINITROBENZENE (F302)	0.255	0.275	-7.8			
72 425 DIMETHYL PHTHALATE (Q307)	1.458	1.469	-0.8			
73 428 2,6-DINITROTOLUENE (Q3015)	0.350	0.355	-1.4			
74 402 ACENAPHTHYLENE (Q308)	1.778	1.792	-0.8			
75 479 3-NITROANILINE (Q309)	0.362	0.399	1.9			
76 401 ACENAPHTHENE (Q3010)	1.109	1.149	-3.6	*		PAS
77 605 2,4-DINITROPHENOL (Q3011)	0.158	0.171	-8.2		**	PAS
78 607 4-NITROPHENOL (Q3012)	0.221	0.273	-23.5		**	PAS
79 427 2,4-DINITROTOLUENE (Q3014)	0.460	0.473	-2.8			
80 476 DIBENZOFURAN (Q3013)	1.545	1.658	-7.3			
81 507 PENTACHLOROBENZENE (Z9033)	0.563	0.632	-12.3			
82 484 2-NAPHTHYLAMINE (Z9035)	1.060	0.624	41.1			
83 483 1-NAPHTHYLAMINE (Z9036)	0.821	0.579	29.5			
84 630 2,3,4,6-TETRACHLOROPHENOL (Z9037)	0.317	0.334	-5.4			
85 424 DIETHYL PHTHALATE (Q3016)	1.663	1.674	-0.7			
86 519 ZINPHOS (Z9038)	0.483	0.458	5.2			
87 417 4-CHLOROPHENYL PHENYL ETHER (Q3017)	0.564	0.621	-10.1			
88 432 FLUORENE (Q3018)	1.240	1.353	-9.1			
89 480 4-NITROANILINE (Q3019)	0.301	0.331	-10.0			
90 498 5-NITRO-O-TOLUIDINE (Z9034)	0.414	0.409	1.2			
91 430 1,3-DIPHENYLHYDRAINE (AI0BENZENE) (Z9	2.744	2.557	6.8			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

ZD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST3

PAGE :

CASE NO: \_\_\_\_\_  
 CONTRACTOR: COMPUCHEM  
 CONTRACT NO: \_\_\_\_\_  
 INSTRUMENT ID: 06  
 MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/10/90  
 TIME: 18:08  
 STANDARD FILE ID: H0900510806  
 MULTIPPOINT DATE: 5/ 5/90  
 MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
95 0619 2-FLUOROPHENOL (8801)	1.322	1.217	7.9			
96 0612 D5-PHENOL (8802)	1.577	1.462	7.3			
97 0447 D5-NITROBENZENE (8803)	0.545	0.518	5.0			
98 0448 2-FLUOROBIPHENYL (8804)	1.245	1.285	-3.2			
99 0628 2,4,6-TRIBROMOPHENOL (8805)	0.199	0.218	-9.5			
*1 0471 D10-PYRENE	1.156	1.129	2.3			
*1 0496 D14-TERPHENYL (8806)	1.038	1.024	1.3			

RF - RESPONSE FACTOR FROM DAILY  
 STANDARD AT CONCENTRATION  
 INDICATED  
 AVG RF - AVERAGE RESPONSE FACTOR  
 FROM INITIAL CALIBRATION

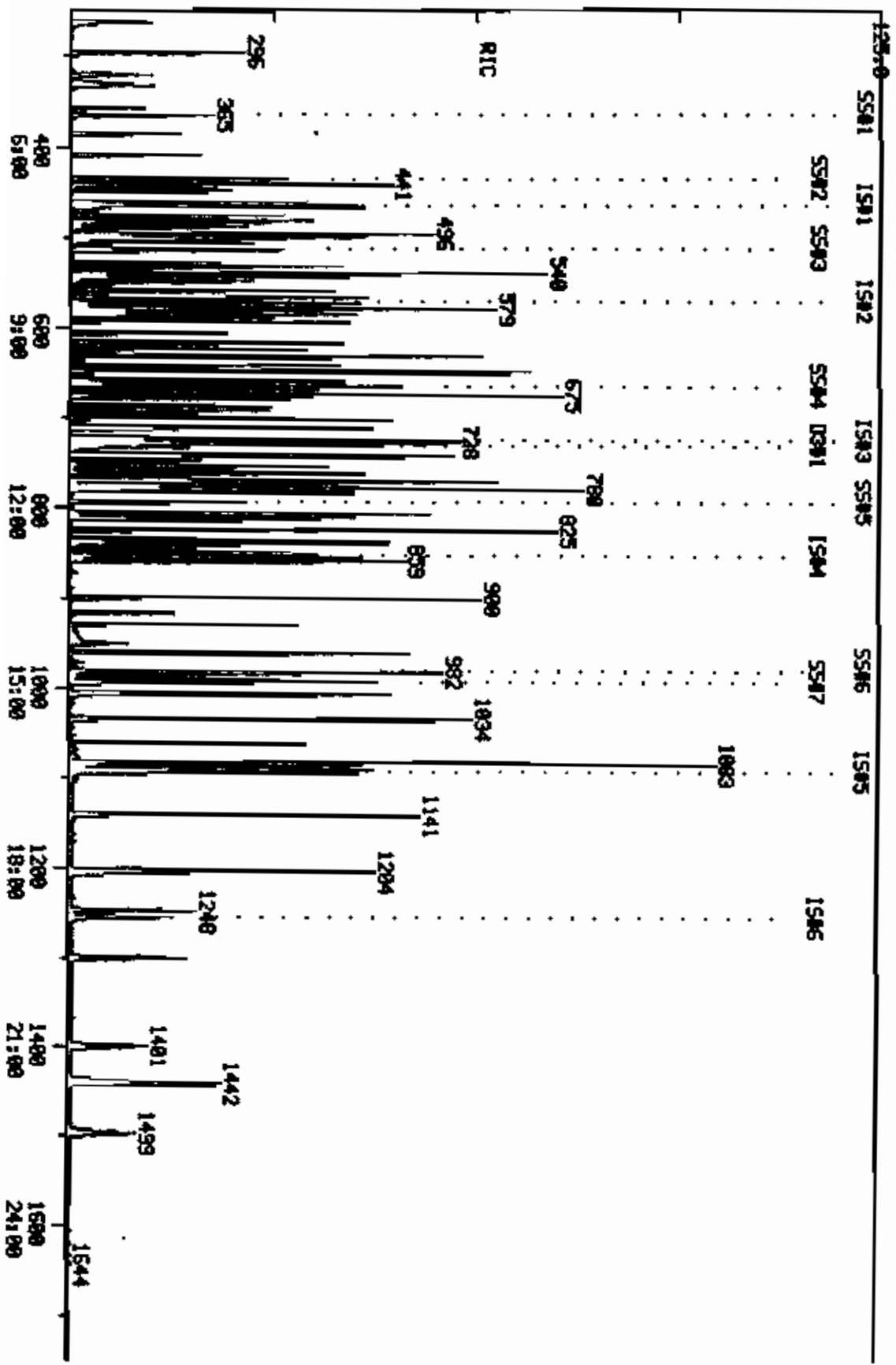
XD - PERCENT DIFFERENCE  
 CCC - CALIBRATION CHECK COMPOUNDS (\*)  
 SPCC - SYSTEM PERFORMANCE CHECK  
 COMPOUNDS (\*\*)

(U4)

RIC  
 05/10/90 10:00:00  
 SAMPLE1 ZIL 0270 VER.111 SSTD090 01672(2387) 04465  
 COND05.1

COMPUCHEN LABS

COMPUCHEN DATA: HC300510006 SCANS 249 TO 1749  
 OUT OF 249 TO 2260



RIC  
05/10/90 10:09:00  
SAMPLE# 2UL 8270 UR, 111 5ST0050 31672(2387) 04406  
COND: 1

COMPUCHEN LABS  
COMPUCHEN DATA: HC300510006 SCANS 1749 TO 2200  
OUT OF 249 TO 2200

2041590.



QUANTITATION REPORT FILE: H0900510806  
DATA: H0900510806.TI  
05/10/90 18:08:00  
SAMPLE: 2UL 8270 VER. III 88TD050 31672(2387) 0N806  
CONDS.:  
SUBMITTED BY: 06 ANALYST: 1090

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I801)
2	441 N-NITROSODIMETHYLAMINE (G102) <62-75-9>
3	481 PYRIDINE (I901)
4	509 ETHYLMAHACRYLATE (I902)
5	542 PARALDEHYDE (I903)
6	510 2-PICOLINE (I9056)
7	535 NITROSOMETHYLETHYLAMINE (I904) <10595-95-6>
8	543 METHYL METHANE SULFONATE (I905) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (I906)
10	514 ETHYL METHANESULFONATE (I907) <62-50-0>
11	610 PHENOL (G103) <108-95-2>
12	473 ANILINE (G104) <62-53-3>
13	505 PENTACHLOROETHANE (I908)
14	411 BIS(2-CHLOROETHYL)ETHER (G105) <111-44-4>
15	601 2-CHLOROPHENOL (G106) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G107) <541-73-1>
17	506 BENZYL CHLORIDE (I909)
18	422 1,4-DICHLOROBENZENE (G108) <106-46-7>
19	474 BENZYL ALCOHOL (G109) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G110) <95-50-1>
21	620 2-METHYLPHENOL (G111) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G112) <37638-32-9>
23	621 3-METHYLPHENOL (F102) <108-39-4>
24	622 4-METHYLPHENOL (G113) <106-44-5>
25	528 N-NITROSPYRROLIDINE (I910) <930-55-2>
26	544 N-NITROSMORPHOLINE (I912) <59-89-2>
27	500 ACETOPHENONE (I911)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G114) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (I913)
30	436 HEXACHLOROETHANE (G115) <67-72-1>
31	*460 DB-NAPHTHALENE (I802)
32	440 NITROBENZENE (G116) <98-95-3>
33	502 N-NITROSDIPIPERIDINE (I914)
34	438 ISOPHORONE (G202) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G204) <105-67-9>
36	606 2-NITROPHENOL (G203) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (I922) <180-20-3>
38	518 BENZYL CHLORIDE (I916) <98-87-3>
39	625 BENZOIC ACID (G205) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G206) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G207) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G208) <120-82-1>
43	439 NAPHTHALENE (G209) <91-20-3>
44	475 4-CHLOROANILINE (G210) <106-47-8>
45	631 2,6-DICHLOROPHENOL (I918)
46	524 O-PHENYLENEDIAMINE (I919) <108-45-2>

NO	NAME
47	315 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#19) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DINETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (I8#4)
93	*459 D12-CHRYSENE (I8#5)
94	*497 D12-PERYLENE
95	6619 2-FLUOROPHENOL (88#1)
96	6612 D5-PHENOL (88#2)
97	6447 D5-NITROBENZENE (88#3)
98	6448 2-FLUOROBIPHENYL (88#4)
99	6628 2,4,6-TRIBROMOPHENOL (88#5)
100	6471 D10-PYRENE
101	6496 D14-TERPHENYL (88#6)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
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NO	N/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	ZTOT
1	152	464	6:38	1	1.000	A BB	140560.	40.000 NQ	0.77
2	42	264	3:38	1	0.569	A BB	167444.	50.000 NQ	0.96
3	79	262	3:56	1	0.565	A BB	174384.	50.000 NQ	0.96
4	69	296	4:26	1	0.638	A BB	203016.	50.000 NQ	0.96
5	89	296	4:26	1	0.638	A BB	41816.	50.000 NQ	0.96
6	93	320	4:48	1	0.690	A BB	218048.	50.000 NQ	0.96
7	88	333	5:00	1	0.718	A BB	207496.	50.000 NQ	0.96
8	80	358	5:22	1	0.772	A BB	172996.	50.000 NQ	0.96
9	102	386	5:47	1	0.832	A BB	116480.	50.000 NQ	0.96
10	109	409	6:08	1	0.881	A BB	130220.	50.000 NQ	0.96
11	94	436	6:32	1	0.940	A BV	283272.	50.000 NQ	0.96
12	93	441	6:37	1	0.950	A BV	321008.	50.000 NQ	0.96
13	167	441	6:37	1	0.950	A BB	104828.	50.000 NQ	0.96
14	93	445	6:41	1	0.959	A VB	305848.	50.000 NQ	0.96
15	128	449	6:44	1	0.968	A BB	257468.	50.000 NQ	0.96
16	146	461	6:55	1	0.994	A BV	279376.	50.000 NQ	0.96
17	91	466	6:59	1	1.004	A BB	470688.	50.000 NQ	0.96
18	146	465	6:59	1	1.002	A VB	279124.	50.000 NQ	0.96
19	108	476	7:08	1	1.026	A BV	164548.	50.000 NQ	0.96
20	146	481	7:13	1	1.037	A BB	281336.	50.000 NQ	0.96
21	108	484	7:16	1	1.043	A VB	221784.	50.000 NQ	0.96
22	45	488	7:19	1	1.052	A BB	563592.	50.000 NQ	0.96
23	108	496	7:26	1	1.069	A BV	388456.	100.000 NQ	1.93
24	108	496	7:26	1	1.069	A BV	388456.	100.000 NQ	1.93
25	100	501	7:31	1	1.080	A BB	127044.	50.000 NQ	0.96
26	116	502	7:32	1	1.082	A BB	70668.	50.000 NQ	0.96
27	105	499	7:29	1	1.075	A BB	359552.	50.000 NQ	0.96
28	70	500	7:30	1	1.078	A*BB	223856.	50.000 NQ	0.96
29	106	503	7:33	1	1.084	A BB	287608.	50.000 NQ	0.96
30	117	506	7:35	1	1.091	A BB	173488.	50.000 NQ	0.96
31	136	571	8:34	31	1.000	A BB	489052.	40.000 NQ	0.77
32	77	514	7:43	31	0.900	A BB	346092.	50.000 NQ	0.96
33	114	527	7:54	31	0.923	A BB	127908.	50.000 NQ	0.96
34	82	532	7:59	31	0.932	A BB	631320.	50.000 NQ	0.96
35	107	540	8:06	31	0.946	A BB	212836.	50.000 NQ	0.96
36	139	541	8:07	31	0.947	A BB	127632.	50.000 NQ	0.96
37	180	540	8:06	31	0.946	A BB	228440.	50.000 NQ	0.96
38	125	543	8:09	31	0.951	A BB	461092.	50.000 NQ	0.96
39	122	546	8:11	31	0.956	A VV	100456.	50.000 NQ	0.96
40	93	549	8:14	31	0.961	A BB	347868.	50.000 NQ	0.96
41	162	559	8:23	31	0.979	A BB	219736.	50.000 NQ	0.96
42	180	567	8:30	31	0.993	A BB	268912.	50.000 NQ	0.96
43	128	573	8:36	31	1.004	A BV	696104.	50.000 NQ	0.96
44	127	579	8:41	31	1.014	A BB	268572.	50.000 NQ	0.96
45	162	579	8:41	31	1.014	A BB	224740.	50.000 NQ	0.96
46	108	572	8:35	31	1.008	A BB	75784.	50.000 NQ	0.96
47	91	567	8:30	31	0.993	A BV	11944.	50.000 NQ	0.96
48	213	582	8:44	31	1.019	A BB	195336.	50.000 NQ	0.96
49	225	586	8:47	31	1.026	A BB	177688.	50.000 NQ	0.96
50	180	588	8:49	31	1.030	A BB	254200.	50.000 NQ	0.96
51	159	593	8:54	31	1.039	A BB	344968.	50.000 NQ	0.96
52	84	606	9:05	31	1.061	A*BB	138084.	50.000 NQ	0.96
53	107	617	9:15	31	1.081	A BV	271056.	50.000 NQ	0.96
54	108	617	9:15	31	1.081	A BB	23512.	50.000 NQ	0.96
55	162	623	9:21	31	1.091	A BB	190788.	50.000 NQ	0.96
56	108	623	9:21	31	1.091	A BB	1160.	50.000 NQ	0.96

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HOHT)	AMOUNT	XTOT
57	142	622	9:29	31	1.107	A BB	972552.	50.000 NG	0.96
58	142	642	9:38	31	1.124	A*BB	340992.	50.000 NG	0.96
59	164	725	10:53	59	1.000	A BB	316284.	40.000 NG	0.77
60	216	649	9:44	59	0.895	A BB	450340.	100.000 NG	1.93
61	216	649	9:44	59	0.895	A BB	450340.	100.000 NG	1.93
62	237	650	9:45	59	0.897	A BB	144436.	50.000 NG	0.96
63	196	658	9:52	59	0.908	A BV	172016.	50.000 NG	0.96
64	196	661	9:55	59	0.912	A VV	173932.	50.000 NG	0.96
65	162	668	10:01	59	0.921	A BB	194884.	50.000 NG	0.96
66	162	675	10:08	59	0.931	A BV	489716.	50.000 NG	0.96
67	162	678	10:10	59	0.935	A VB	405296.	50.000 NG	0.96
68	216	675	10:08	59	0.931	A BB	245904.	50.000 NG	0.96
69	65	687	10:18	59	0.948	A BB	229992.	50.000 NG	0.96
70	138	691	10:22	59	0.953	A BB	183004.	50.000 NG	0.96
71	168	697	10:27	59	0.961	A BB	109488.	50.000 NG	0.96
72	163	702	10:32	59	0.968	A BB	384592.	50.000 NG	0.96
73	165	710	10:39	59	0.979	A BB	141192.	50.000 NG	0.96
74	152	712	10:41	59	0.982	A BB	712808.	50.000 NG	0.96
75	138	722	10:50	59	0.996	A BV	141044.	50.000 NG	0.96
76	183	728	10:55	59	1.004	A BB	457088.	50.000 NG	0.96
77	184	731	10:58	59	1.008	A BB	68072.	50.000 NG	0.96
78	109	733	11:00	59	1.011	A BV	108804.	50.000 NG	0.96
79	165	744	11:10	59	1.024	A BB	188008.	50.000 NG	0.96
80	168	741	11:07	59	1.022	A BB	659504.	50.000 NG	0.96
81	250	742	11:08	59	1.023	A BB	251268.	50.000 NG	0.96
82	143	749	11:14	59	1.033	A BV	248298.	50.000 NG	0.96
83	143	755	11:20	59	1.041	A VV	230538.	50.000 NG	0.96
84	232	754	11:19	59	1.040	A BB	132688.	50.000 NG	0.96
85	149	761	11:25	59	1.050	A BB	666048.	50.000 NG	0.96
86	97	770	11:33	59	1.062	A BB	182096.	50.000 NG	0.96
87	204	768	11:31	59	1.059	A BB	247244.	50.000 NG	0.96
88	166	771	11:34	59	1.063	A BB	538464.	50.000 NG	0.96
89	138	776	11:38	59	1.070	A VB	131828.	50.000 NG	0.96
90	152	775	11:38	59	1.069	A BV	162792.	50.000 NG	0.96
91	77	783	11:45	59	1.080	A VB	1017320.	50.000 NG	0.96
92	188	853	12:48	92	1.000	A BB	489312.	40.000 NG	0.77
93	240	1091	16:22	93	1.000	A BB	432688.	40.000 NG	0.77
94	264	1255	18:50	94	1.000	A BV	332652.	40.000 NG	0.77
95	112	365	5:29	1	0.787	A BB	213812.	50.000 NG	0.96
96	99	435	6:32	1	0.937	A BB	256804.	50.000 NG	0.96
97	82	513	7:42	31	0.898	A BB	316508.	50.000 NG	0.96
98	172	664	9:38	59	0.916	A BB	511136.	50.000 NG	0.96
99	330	793	11:54	59	1.094	A BB	86568.	50.000 NG	0.96
100	212	980	14:42	93	0.898	A BV	610693.	50.000 NG	0.96
101	244	991	14:52	93	0.908	A BB	553908.	50.000 NG	0.96

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	6:58	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:58	1.00	10.000	0.06	50.00	50.00	0.953	0.953	1.00
3	3:56	1.00	10.000	0.06	50.00	50.00	0.993	0.993	1.00
4	4:26	1.00	10.000	0.06	50.00	50.00	1.155	1.155	1.00
5	4:26	1.00	10.000	0.06	50.00	50.00	0.238	0.238	1.00
6	4:48	1.00	20.000	0.03	50.00	50.00	1.241	1.241	1.00
7	5:00	1.00	10.000	0.07	50.00	50.00	1.181	1.181	1.00
8	5:22	1.00	10.000	0.08	50.00	50.00	0.985	0.985	1.00
9	5:47	1.00	10.000	0.08	50.00	50.00	0.663	0.663	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:09	1.00	10.000	0.09	50.00	50.00	0.741	0.741	1.00
11	6:32	1.00	10.000	0.09	50.00	50.00	1.612	1.612	1.00
12	6:37	1.00	10.000	0.10	50.00	50.00	1.827	1.827	1.00
13	6:37	1.00	10.000	0.10	50.00	50.00	0.597	0.597	1.00
14	6:41	1.00	20.000	0.05	50.00	50.00	1.741	1.741	1.00
15	6:44	1.00	10.000	0.10	50.00	50.00	1.465	1.465	1.00
16	6:55	1.00	10.000	0.10	50.00	50.00	1.590	1.590	1.00
17	6:59	1.00	10.000	0.10	50.00	50.00	2.679	2.679	1.00
18	6:59	1.00	10.000	0.10	50.00	50.00	1.589	1.589	1.00
19	7:09	1.00	10.000	0.10	50.00	50.00	0.937	0.937	1.00
20	7:13	1.00	10.000	0.10	50.00	50.00	1.601	1.601	1.00
21	7:16	1.00	10.000	0.10	50.00	50.00	1.262	1.262	1.00
22	7:19	1.00	10.000	0.11	50.00	50.00	3.208	3.208	1.00
23	7:26	1.00	10.000	0.11	100.00	100.00	1.105	1.105	1.00
24	7:26	1.00	10.000	0.11	100.00	100.00	1.105	1.105	1.00
25	7:31	1.00	10.000	0.11	50.00	50.00	0.723	0.723	1.00
26	7:32	1.00	10.000	0.11	50.00	50.00	0.402	0.402	1.00
27	7:29	1.00	10.000	0.11	50.00	50.00	2.046	2.046	1.00
28	7:30	1.00	10.000	0.11	50.00	50.00	1.274	1.274	1.00
29	7:33	1.00	10.000	0.11	50.00	50.00	1.637	1.637	1.00
30	7:35	1.00	10.000	0.11	50.00	50.00	0.987	0.987	1.00
31	8:34	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:43	1.00	10.000	0.09	50.00	50.00	0.566	0.566	1.00
33	7:54	1.00	10.000	0.09	50.00	50.00	0.209	0.209	1.00
34	7:59	1.00	10.000	0.09	50.00	50.00	1.033	1.033	1.00
35	8:06	1.00	10.000	0.09	50.00	50.00	0.348	0.348	1.00
36	8:07	1.00	10.000	0.09	50.00	50.00	0.209	0.209	1.00
37	8:06	1.00	10.000	0.09	50.00	50.00	0.374	0.374	1.00
38	8:09	1.00	10.000	0.10	50.00	50.00	0.754	0.754	1.00
39	8:11	1.00	100.000	0.01	50.00	50.00	0.164	0.164	1.00
40	8:14	1.00	10.000	0.10	50.00	50.00	0.569	0.569	1.00
41	8:23	1.00	10.000	0.10	50.00	50.00	0.359	0.359	1.00
42	8:30	1.00	10.000	0.10	50.00	50.00	0.440	0.440	1.00
43	8:36	1.00	10.000	0.10	50.00	50.00	1.139	1.139	1.00
44	8:41	1.00	10.000	0.10	50.00	50.00	0.439	0.439	1.00
45	8:41	1.00	20.000	0.05	50.00	50.00	0.368	0.368	1.00
46	8:35	1.00	10.000	0.10	50.00	50.00	0.124	0.124	1.00
47	8:30	1.00	10.000	0.10	50.00	50.00	0.020	0.020	1.00
48	8:44	1.00	10.000	0.10	50.00	50.00	0.320	0.320	1.00
49	8:47	1.00	10.000	0.10	50.00	50.00	0.291	0.291	1.00
50	8:49	1.00	10.000	0.10	50.00	50.00	0.416	0.416	1.00
51	8:54	1.00	20.000	0.05	50.00	50.00	0.564	0.564	1.00
52	9:05	1.00	10.000	0.11	50.00	50.00	0.226	0.226	1.00
53	9:15	1.00	10.000	0.11	50.00	50.00	0.443	0.443	1.00
54	9:15	1.00	10.000	0.11	50.00	50.00	0.038	0.038	1.00
55	9:21	1.00	10.000	0.11	50.00	50.00	0.312	0.312	1.00
56	9:21	1.00	10.000	0.11	50.00	50.00	0.002	0.002	1.00
57	9:29	1.00	10.000	0.11	50.00	50.00	0.937	0.937	1.00
58	9:38	1.00	10.000	0.11	50.00	50.00	0.558	0.558	1.00
59	10:53	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	9:44	1.00	10.000	0.09	100.00	100.00	0.616	0.616	1.00
61	9:44	1.00	10.000	0.09	100.00	100.00	0.616	0.616	1.00
62	9:45	1.00	10.000	0.09	50.00	50.00	0.363	0.363	1.00
63	9:52	1.00	20.000	0.05	50.00	50.00	0.432	0.432	1.00
64	9:55	1.00	20.000	0.05	50.00	50.00	0.437	0.437	1.00
65	10:01	1.00	20.000	0.05	50.00	50.00	0.490	0.490	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:08	1.00	10.000	0.09	50.00	50.00	1.231	1.231	1.00
67	10:10	1.00	10.000	0.09	50.00	50.00	1.019	1.019	1.00
68	10:08	1.00	10.000	0.09	50.00	50.00	0.618	0.618	1.00
69	10:18	1.00	10.000	0.09	50.00	50.00	0.578	0.578	1.00
70	10:22	1.00	20.000	0.05	50.00	50.00	0.460	0.460	1.00
71	10:27	1.00	20.000	0.05	50.00	50.00	0.275	0.275	1.00
72	10:32	1.00	10.000	0.10	50.00	50.00	1.469	1.469	1.00
73	10:39	1.00	10.000	0.10	50.00	50.00	0.355	0.355	1.00
74	10:41	1.00	10.000	0.10	50.00	50.00	1.792	1.792	1.00
75	10:50	1.00	20.000	0.05	50.00	50.00	0.355	0.355	1.00
76	10:55	1.00	10.000	0.10	50.00	50.00	1.149	1.149	1.00
77	10:58	1.00	40.000	0.03	50.00	50.00	0.171	0.171	1.00
78	11:00	1.00	10.000	0.10	50.00	50.00	0.273	0.273	1.00
79	11:10	1.00	10.000	0.10	50.00	50.00	0.473	0.473	1.00
80	11:07	1.00	10.000	0.10	50.00	50.00	1.656	1.656	1.00
81	11:08	1.00	10.000	0.10	50.00	50.00	0.632	0.632	1.00
82	11:14	1.00	20.000	0.05	50.00	50.00	0.624	0.624	1.00
83	11:20	1.00	20.000	0.05	50.00	50.00	0.579	0.579	1.00
84	11:19	1.00	20.000	0.05	50.00	50.00	0.334	0.334	1.00
85	11:25	1.00	10.000	0.10	50.00	50.00	1.674	1.674	1.00
86	11:33	1.00	10.000	0.11	50.00	50.00	0.458	0.458	1.00
87	11:31	1.00	10.000	0.11	50.00	50.00	0.621	0.621	1.00
88	11:34	1.00	10.000	0.11	50.00	50.00	1.353	1.353	1.00
89	11:38	1.00	20.000	0.05	50.00	50.00	0.331	0.331	1.00
90	11:38	1.00	20.000	0.05	50.00	50.00	0.409	0.409	1.00
91	11:45	1.00	10.000	0.11	50.00	50.00	2.557	2.557	1.00
92	12:48	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	18:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:29	1.00	0.742	1.06	50.00	50.00	1.217	1.217	1.00
96	6:32	1.00	0.948	0.99	50.00	50.00	1.462	1.462	1.00
97	7:42	1.00	0.875	1.03	50.00	50.00	0.518	0.518	1.00
98	9:58	1.00	0.906	1.01	50.00	50.00	1.285	1.285	1.00
99	11:54	1.00	1.118	0.98	50.00	50.00	0.218	0.218	1.00
100	14:42	1.00	10.000	0.09	50.00	50.00	1.129	1.129	1.00
101	14:52	1.00	0.907	1.00	50.00	50.00	1.024	1.024	1.00

CONTINUING CALIBRATION CHECK  
MAST6

PAGE

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 06  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/10/90  
TIME: 18:08  
STANDARD FILE ID: H0900910806  
MULTIPOINT DATE: 5/ 9/90  
MAXIMUM ZD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	ZD	CCC	SPCC	P/F
2 604 4,6-DINITRO-2-METHYLPHENOL (G482)	0.150	0.140	-6.7			
3 443 N-NITROSODIPHENYLAMINE (G483)	0.560	0.649	-13.9	*		PAS
4 367 DIPHENYLAMINE (F383)	0.560	0.649	-13.9			
5 508 1,3,5-TRINITROBENZENE (Z9841)	0.108	0.113	-4.6			
6 539 PHENACETIN (Z9842)	0.572	0.514	10.1			
7 414 4-BROMOPHENYL PHENYL ETHER (G484)	0.233	0.232	-8.2			
8 377 DIALLATE (TRANS ISOMER)	0.170	0.161	9.3			
9 541 DIMETHOATE (Z9844)	0.171	0.163	3.8			
10 433 HEXACHLOROBENZENE (G485)	0.319	0.353	-10.7			
11 483 4-AMINOBIPHENYL (Z9843)	0.651	0.608	6.6			
12 522 PRONAMIDE (Z9846)	0.453	0.458	-1.1			
13 609 PENTACHLOROPHENOL (G486)	0.198	0.203	-2.5	*		PAS
14 453 PENTACHLORONITROBENZENE (Z9847)	0.113	0.133	-17.7			
15 444 PHENANTHRENE (G487)	1.220	1.182	3.1			
16 403 ANTHRACENE (G488)	1.046	1.149	-9.8			
17 426 DI-N-BUTYL PHTHALATE (G489)	1.842	1.761	4.4			
18 516 METHAPYRILENE (Z9848)	0.612	0.369	39.7			
19 349 CYCLOPHOSPHAMIDE (Z9849)	0.018	0.023	-38.9			
20 431 FLUORANTHENE (G490)	1.119	1.160	-3.7	*		PAS
22 404 BENZIDINE (G582)	0.071	0.076	-7.0			
23 445 PYRENE (G583)	1.363	1.332	2.3			
24 530 ARAMITE (Z9850)	0.210	0.183	12.9			
25 487 P-DIMETHYLAMINOAZOBENZENE (Z9851)	0.270	0.243	10.0			
26 523 CHLOROBENZILATE (Z9852)	0.685	0.792	-10.5			
27 545 3,3'-DIMETHYLBENZIDINE (Z9853)	0.380	0.446	-17.4			
28 415 BUTYLBENZYL PHTHALATE (G584)	1.019	0.903	11.4			
29 488 2-ACETYLAMINO FLUORENE (F582)	0.380	0.460	-21.1			
30 489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z	0.170	0.201	-18.2			
31 423 3,3'-DICHLOROBENZIDINE (G585)	0.242	0.305	-26.0			
32 533 DIMETHOXYBENZIDINE (Z9857)	0.156	0.170	-9.0			
33 413 BIS(2-ETHYLHEXYL) PHTHALATE (G587)	1.369	1.252	8.9			
34 403 BENZO(A)ANTHRACENE (G586)	1.108	1.131	-3.9			
35 418 CHRYSENE (G588)	1.001	1.044	-4.3			
37 429 DI-N-OCTYL PHTHALATE (G682)	3.562	2.730	23.4	*		PAS
38 407 BENZO(B)FLUORANTHENE (G683)	1.021	0.967	5.3			
39 517 7,12-DIMETHYLBENZANTHRACENE (Z9855)	0.696	0.589	15.4			
40 409 BENZO(K)FLUORANTHENE (G684)	1.021	0.967	5.3			
41 406 BENZO(A)PYRENE (G685)	1.083	1.091	-0.7	*		PAS
42 565 3-METHYLCHLORANTHRENE (F682)	0.626	0.656	-4.8			
43 566 DIBENZO(A,J)ACRIDINE	0.548	0.961	-73.4			
44 437 INDENO(1,2,3-C,D)PYRENE (G686)	0.848	1.384	-63.2			
45 419 DIBENZO(A,H)ANTHRACENE (G687)	0.683	1.189	-74.1			
46 408 BENZO(G,H,I)PERYLENE (G688)	0.621	1.086	-74.9			
47 576 DIALLATE (CIS ISOMER)	0.686	0.221	67.8			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

ZD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

QUANTITATION REPORT FILE: H0900510806  
DATA: H0900510806.TI  
05/10/90 18:08:00  
SAMPLE: 2UL B270 VER. III 68TD050 31672(2387) ON#06  
CONDS.:  
SUBMITTED BY: 06 ANALYST: 1090

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

NO	NAME
1	+467 D10-PHENANTHRENE (I8#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	308 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-35-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	+459 D12-CHRYSENE (I8#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F3#2)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <36-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	+497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 376 DIALATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	ZTOT
1	188	853	12:48	1	1.000	A BB	489312.	40.000 NO	1.53
2	198	778	11:40	1	0.912	A BB	97764.	50.000 NO	1.91
3	169	780	11:42	1	0.914	A BV	397126 794252	100.003 NO	3.82
4	169	780	11:42	1	0.914	A BV	397126 794252	100.003 NO	3.82
5	213	806	12:06	1	0.945	A BB	59040.	50.000 NO	1.91
6	108	807	12:06	1	0.946	A VB	314508.	50.000 NO	1.91
7	248	810	12:09	1	0.950	A BB	154156.	50.000 NO	1.91
8	234	805	12:09	1	0.944	A BB	49336.	25.000 NO	0.93
9	129	829	12:23	1	0.967	A BB	101024.	50.000 NO	1.91
10	284	829	12:23	1	0.967	A BB	215916.	50.000 NO	1.91
11	169	839	12:32	1	0.979	A VV	372008.	50.000 NO	1.91
12	173	838	12:34	1	0.982	A BB	280396.	50.000 NO	1.91
13	266	840	12:36	1	0.985	A BV	124200.	50.000 NO	1.91
14	237	847	12:43	1	0.993	A BB	81192.	50.000 NO	1.91
15	178	855	12:50	1	1.002	A BV	723004.	50.000 NO	1.91
16	178	859	12:53	1	1.007	A VB	702796.	50.000 NO	1.91
17	149	900	13:30	1	1.055	A VB	1076830.	50.000 NO	1.91
18	97	929	13:56	1	1.089	A BV	225424.	50.000 NO	1.91
19	211	950	14:15	1	1.114	A BV	60612.	200.001 NO	7.63
20	202	961	14:25	1	1.127	A BV	709752.	50.000 NO	1.91
21	240	1091	16:22	21	1.000	A BB	432688.	40.000 NO	1.53
22	184	970	14:33	21	0.989	A BB	41144.	50.000 NO	1.91
23	202	982	14:44	21	0.900	A VV	720455.	50.000 NO	1.91
24	185	993	14:54	21	0.910	A VV	99132.	50.000 NO	1.91
25	225	1009	15:09	21	0.921	A BB	131496.	50.000 NO	1.91
26	139	1007	15:06	21	0.923	A BV	428576.	50.000 NO	1.91
27	212	1035	15:32	21	0.949	A BV	241148.	50.000 NO	1.91
28	149	1034	15:31	21	0.948	A BV	488224.	50.000 NO	1.91
29	181	1060	15:54	21	0.972	A BV	249008.	50.000 NO	1.91
30	231	1083	16:15	21	0.993	A BB	108796.	50.000 NO	1.91
31	252	1085	16:17	21	0.995	A BB	164972.	50.000 NO	1.91
32	244	1081	16:13	21	0.991	A BB	91868.	50.000 NO	1.91
33	149	1083	16:15	21	0.993	A VV	676905.	50.000 NO	1.91
34	228	1089	16:20	21	0.998	A BV	632352.	50.000 NO	1.91
35	228	1093	16:24	21	1.002	A VB	364476.	50.000 NO	1.91
36	264	1255	18:50	36	1.000	A BV	332652.	40.000 NO	1.53
37	149	1141	17:07	36	0.909	A BV	1135110.	50.000 NO	1.91
38	252	1203	18:03	36	0.959	A BB	40205 804811	100.001 NO	3.82
39	256	1204	18:04	36	0.959	A BV	245120.	50.000 NO	1.91
40	252	1203	18:03	36	0.959	A BB	40205 804811	100.001 NO	3.82
41	252	1247	18:42	36	0.994	A BV	453502.	50.000 NO	1.91
42	268	1300	19:30	36	1.036	A BV	278948.	50.000 NO	1.91
43	279	1400	21:00	36	1.116	A BB	399648.	50.000 NO	1.91
44	276	1442	21:38	36	1.149	A BB	575340.	50.000 NO	1.91
45	278	1442	21:38	36	1.149	A BB	494428.	50.000 NO	1.91
46	276	1499	22:29	36	1.194	A BB	451460.	50.000 NO	1.91
47	234	813	12:12	1	0.953	A BB	67576.	25.000 NO	0.93

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC (L)	RATIO
1	12:48	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	11:40	1.00	30.000	0.03	50.00	50.00	0.160	0.160	1.00
3	11:42	1.00	10.000	0.09	100.00	100.00	0.649	0.649	1.00
4	11:42	1.00	10.000	0.09	100.00	100.00	0.649	0.649	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:06	1.00	20.000	0.05	50.00	50.00	0.113	0.113	1.00
6	12:06	1.00	10.000	0.09	50.00	50.00	0.514	0.514	1.00
7	12:09	1.00	10.000	0.09	50.00	50.00	0.252	0.252	1.00
8	12:05	1.00	10.000	0.09	25.00	25.00	0.161	0.161	1.00
9	12:23	1.00	10.000	0.10	50.00	50.00	0.165	0.165	1.00
10	12:23	1.00	10.000	0.10	50.00	50.00	0.353	0.353	1.00
11	12:32	1.00	10.000	0.10	50.00	50.00	0.608	0.608	1.00
12	12:34	1.00	10.000	0.10	50.00	50.00	0.458	0.458	1.00
13	12:36	1.00	20.000	0.05	50.00	50.00	0.203	0.203	1.00
14	12:42	1.00	10.000	0.10	50.00	50.00	0.133	0.133	1.00
15	12:50	1.00	10.000	0.10	50.00	50.00	1.182	1.182	1.00
16	12:53	1.00	10.000	0.10	50.00	50.00	1.149	1.149	1.00
17	13:30	1.00	10.000	0.11	50.00	50.00	1.761	1.761	1.00
18	13:56	1.00	20.000	0.05	50.00	50.00	0.369	0.369	1.00
19	14:15	1.00	50.000	0.02	200.00	200.00	0.025	0.025	1.00
20	14:25	1.00	10.000	0.11	50.00	50.00	1.160	1.160	1.00
21	14:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	14:33	1.00	10.000	0.09	50.00	50.00	0.076	0.076	1.00
23	14:44	1.00	10.000	0.09	50.00	50.00	1.332	1.332	1.00
24	14:54	1.00	20.000	0.05	50.00	50.00	0.183	0.183	1.00
25	15:03	1.00	10.000	0.09	50.00	50.00	0.243	0.243	1.00
26	15:06	1.00	10.000	0.09	50.00	50.00	0.792	0.792	1.00
27	15:32	1.00	20.000	0.05	50.00	50.00	0.446	0.446	1.00
28	15:31	1.00	10.000	0.09	50.00	50.00	0.903	0.903	1.00
29	15:54	1.00	10.000	0.10	50.00	50.00	0.460	0.460	1.00
30	16:15	1.00	10.000	0.10	50.00	50.00	0.201	0.201	1.00
31	16:17	1.00	10.000	0.10	50.00	50.00	0.305	0.305	1.00
32	16:13	1.00	10.000	0.10	50.00	50.00	0.170	0.170	1.00
33	16:15	1.00	10.000	0.10	50.00	50.00	1.252	1.252	1.00
34	16:20	1.00	10.000	0.10	50.00	50.00	1.151	1.151	1.00
35	16:24	1.00	10.000	0.10	50.00	50.00	1.044	1.044	1.00
36	18:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:07	1.00	10.000	0.09	50.00	50.00	2.730	2.730	1.00
38	18:03	1.00	10.000	0.10	100.00	100.00	0.967	0.967	1.00
39	18:04	1.00	10.000	0.10	50.00	50.00	0.589	0.589	1.00
40	18:03	1.00	10.000	0.10	100.00	100.00	0.967	0.967	1.00
41	18:42	1.00	10.000	0.10	50.00	50.00	1.091	1.091	1.00
42	19:30	1.00	10.000	0.10	50.00	50.00	0.656	0.656	1.00
43	21:00	1.00	10.000	0.11	50.00	50.00	0.961	0.961	1.00
44	21:38	1.00	10.000	0.11	50.00	50.00	1.384	1.384	1.00
45	21:38	1.00	10.000	0.11	50.00	50.00	1.189	1.189	1.00
46	22:29	1.00	10.000	0.12	50.00	50.00	1.086	1.086	1.00
47	12:12	1.00	10.000	0.10	25.00	25.00	0.221	0.221	1.00



INITIAL TIME OF TUNE 17:38  
 TIME TUNE EXPIRES 05:34  
 SHEET(S) IN 5 (B)  (C) \_\_\_\_\_  
 DATE 5/10/90  
 ANALYSIS TYPE 0270 v. III  
MAST/2,3,5,6.

PREVENTIVE MAINTENANCE

DEKA slides

FILE NAME	DATE	TIME	EPA ID	CASE NO.	STD. D. #	AMOUNT INJECTED	CHEMIST	COMMENTS (Qual. Rn, Dispersion, Etc.)
29900 510A06.	5/10/90	17:38	20779		7050	1.1	1080	3/144
HE900510A06.	5/10/90	18:09	597005		2387	2.1	1080	3/172
GH037915A06.	5/10/90	20:31	582K 76	VARIOUS		1.1	1080	slides.
GH057582006.	5/10/90	21:27	73800103	20124		1.1	1080	
GH037915A06.	5/10/90	22:29	582K 76	VARIOUS		1.1	1080	
GH037386A06.	5/10/90	23:40	73800103MS	20124		1.1	1080	
GH037387C06	5/11/90	0:31	73800103MS	20124		1.08	917	
GH037381C06	5/11/90	1:04	73800101			1.08	917	1:14 Sun
GH037915C06	5/11/90	1:51	582K 76			1.08	917	
GH037382C06	5/11/90	2:35	73800102			1.08	917	
GH037385C06	5/11/90	3:20	71500104			1.08	917	3 EX under
GH037311C06	5/11/90	4:13	GHIS	20091		1.08	917	
GH037312C06	5/11/90	5:14	EP6D			1.08	917	
	5/11/90							
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Run copied

VERIFIED G.R.  
 SUPERVISOR APPROVAL G.R.

CONTINUING CALIBRATION CHECK  
MAST5

PAGE

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 06  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/18/90  
TIME: 2:48  
STANDARD FILE ID: HW900518C06  
MULTIPOINT DATE: 5/ 5/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
2 441 N-NITROSODIMETHYLAMINE (G1#2)	1.377	0.739	46.3			
3 481 PYRIDINE (Z9#1)	1.387	1.387	0.0			
4 509 ETHYLMAHACRYLATE (Z9#2)	1.917	1.417	6.6			
5 542 FORMALDEHYDE (Z9#3)	0.290	0.347	-19.7			
6 510 2-PICOLINE (Z9#34)	1.494	1.494	0.0			
7 535 NITROSOMETHYLETHYLAMINE (Z9#4)	0.387	1.976	-307.2			
8 543 METHYL MEYHANE SULFONATE (Z9#5)	1.116	0.993	14.6			
9 499 N-NITROSODIETHYLAMINE (Z9#6)	0.766	0.828	-8.1			
10 514 ETHYL METHANESULFONATE (Z9#7)	0.766	0.919	-20.0			
11 610 PHENOL (G1#3)	1.742	2.028	-16.4	*		PAE
12 473 ANILINE (G1#4)	2.314	2.460	-6.3			
13 505 PENTACHLOROETHANE (Z9#8)	0.544	0.625	-14.9			
14 411 BIS(2-CHLOROETHYL)ETHER (G1#5)	1.838	1.874	-2.0			
15 601 2-CHLOROPHENOL (G1#6)	1.468	1.846	-25.7			
16 421 1,3-DICHLOROBENZENE (G1#7)	1.953	1.839	-18.4			
17 506 BENZYL CHLORIDE (Z9#9)	2.667	3.265	-22.4			
18 422 1,4-DICHLOROBENZENE (G1#8)	1.435	1.761	-22.7	*		PAE
19 474 BENZYL ALCOHOL (G1#9)	0.892	0.996	-11.7			
20 420 1,2-DICHLOROBENZENE (G1#10)	1.497	1.755	-17.2			
21 620 2-METHYLPHENOL (G1#11)	1.311	1.459	-11.3			
22 412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12)	4.110	1.748	57.5			
23 621 3-METHYLPHENOL (F1#2)	1.163	1.260	-8.3			
24 622 4-METHYLPHENOL (G1#13)	1.163	1.260	-8.3			
25 528 N-NITROSOPYRROLIDINE (Z9#10)	0.760	0.821	-8.0			
26 544 N-NITROSOMORPHOLINE (Z9#12)	0.370	0.476	-28.6			
27 500 ACEYOPHENONE (Z9#11)	1.936	2.221	-14.7			
28 442 N-NITROSO-DI-N-PROPYLAMINE (G1#14)	1.490	1.166	21.7	**		PAE
29 512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)	1.632	1.970	-20.7			
30 436 HEXACHLOROETHANE (G1#15)	0.901	1.036	-19.0			
32 440 NITROBENZENE (G1#16)	0.607	0.934	12.0			
33 502 N-NITROSODIPIPERIDINE (Z9#14)	0.224	0.225	-0.4			
34 438 ISOPHORONE (G2#2)	1.194	0.944	20.9			
35 603 2,4-DIMETHYLPHENOL (G2#4)	0.378	0.440	-16.4			
36 606 2-NITROPHENOL (G2#3)	0.198	0.239	-20.7	*		PAE
37 451 1,3,5-TRICHLOROBENZENE (Z9#22)	0.348	0.339	2.6			
38 518 BENZYL CHLORIDE (Z9#16)	0.692	0.727	-5.1			
39 625 BENZOIC ACID (G2#5)	0.198	0.218	-10.1			
40 410 BIS(2-CHLOROETHOXY)MEYHANE (G2#6)	0.594	0.559	5.9			
41 602 2,4-DICHLOROPHENOL (G2#7)	0.325	0.315	3.1	*		PAE
42 446 1,2,4-TRICHLOROBENZENE (G2#8)	0.400	0.341	14.8			
43 439 NAPHTHALENE (G2#9)	1.091	1.218	-11.6			
44 475 4-CHLOROANILINE (G2#10)	0.441	0.661	-49.9			
45 631 2,6-DICHLOROPHENOL (Z9#18)	0.334	0.334	0.0			
46 524 O-PHENYLENEDIAMINE (Z9#19)	0.110	0.114	-3.6			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (+)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST5

PAGE

CASE NO:  
CONTRACTOR: COMPUCHEN  
CONTRACT NO:  
INSTRUMENT ID: 06  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/18/90  
TIME: 2:48  
STANDARD FILE ID: MH900518C06  
MULTIPOINT DATE: 5/ 5/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
47 515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9	0.090	0.057	36.7			
48 537 HEXACHLOROPROPENE (Z9#21)	0.234	0.198	22.0			
49 434 HEXACHLOROBUTADIENE (Q2#11)	0.237	0.190	19.8	*		PAS
50 450 1,2,3-TRICHLOROBENZENE (Z9#15)	0.370	0.326	11.9			
51 534 BENZOTRICHLORIDE (Z9#23)	0.463	0.426	8.0			
52 536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24)	0.244	0.200	18.0			
53 608 P-CHLORO-M-CREBOL (Q2#12)	0.443	0.435	1.8	*		PAS
54 526 P-PHENYLENEDIAMINE (Z9#20)	0.088	0.038	56.8			
55 503 SAFROLE (Z9#27)	0.290	0.253	12.8			
56 525 M-PHENYLENEDIAMINE (Z9#26)	0.053	0.003	94.3			
57 477 2-METHYLNAPHTHALENE (Q2#13)	0.864	0.853	1.3			
58 569 1-METHYLNAPHTHALENE (T2#28)	0.511	0.502	1.8			
60 457 1,2,4,5-TETRACHLOROBENZENE (Z9#31)	0.567	0.601	-6.0			
61 513 1,2,3,5-TETRACHLOROBENZENE (Z9#29)	0.567	0.601	-6.0			
62 435 HEXACHLOROCYCLOPENTADIENE (Q3#2)	0.254	0.339	-33.5		**	PAS
63 611 2,4,6-TRICHLOROPHENOL (Q3#3)	0.478	0.415	13.2	*		PAS
64 626 2,4,5-TRICHLOROPHENOL (Q3#4)	0.415	0.417	-0.5			
65 527 ISOSAFROLE (Z9#30)	0.477	0.514	-7.8			
66 416 2-CHLORONAPHTHALENE (Q3#5)	1.234	1.441	-16.8			
67 564 1-CHLORONAPHTHALENE (F4#2)	0.997	1.170	-17.4			
68 456 1,2,3,4-TETRACHLOROBENZENE (Z9#28)	0.579	0.594	-2.6			
69 478 2-NITROANILINE (Q3#6)	0.688	0.545	20.8			
70 504 1,4-NAPHTHOQUINONE (Z9#32)	0.346	0.513	-48.3			
71 491 1,4-DINITROBENZENE (P3#2)	0.255	0.278	-9.0			
72 425 DIMETHYL PNTHALATE (Q3#7)	1.458	1.552	-6.4			
73 428 2,6-DINITROTOLUENE (Q3#15)	0.350	0.393	-12.3			
74 402 ACENAPHTHYLENE (Q3#8)	1.778	1.901	-6.9			
75 479 3-NITROANILINE (Q3#9)	0.362	0.424	-17.1			
76 401 ACENAPHTHENE (Q3#10)	1.109	1.134	-4.1	*		PAS
77 605 2,4-DINITROPHENOL (Q3#11)	0.138	0.149	5.7		**	PAS
78 607 4-NITROPHENOL (Q3#12)	0.221	0.304	-37.6		**	PAS
79 427 2,4-DINITROTOLUENE (Q3#14)	0.460	0.478	-3.9			
80 476 DIBENZOFURAN (Q3#13)	1.545	1.679	-8.7			
81 507 PENTACHLOROBENZENE (Z9#33)	0.563	0.527	6.4			
82 484 2-NAPHTHYLAMINE (Z9#35)	1.060	0.825	22.2			
83 483 1-NAPHTHYLAMINE (Z9#36)	0.821	0.873	-6.3			
84 630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)	0.317	0.273	13.9			
85 424 DIETHYL PHTHALATE (Q3#16)	1.663	1.776	-6.8			
86 519 ZINOPHOS (Z9#38)	0.483	0.524	-8.5			
87 417 4-CHLOROPHENYL PHENYL ETHER (Q3#17)	0.564	0.511	9.4			
88 432 FLUORENE (Q3#18)	1.240	1.196	3.5			
89 480 4-NITROANILINE (Q3#19)	0.301	0.406	-34.9			
90 498 5-NITRO-O-TOLUIDINE (Z9#34)	0.414	0.453	-9.4			
91 430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9	2.744	2.581	5.9			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST5

PAGE

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 06  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/18/90  
TIME: 2:48  
STANDARD FILE ID: HH900518C06  
MULTIPOINT DATE: 5/ 5/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50 )	XD	CCC	SPCC	P/(
95 #619 2-FLUOROPHENOL (SS#1)	1.322	1.664	-25.9			
96 #612 D5-PHENOL (SS#2)	1.577	1.866	-18.3			
97 #447 D5-NITROBENZENE (SS#3)	0.545	0.540	0.9			
98 #448 2-FLUOROBIPHENYL (SS#4)	1.245	1.251	-0.5			
99 #628 2,4,6-TRIBROMOPHENOL (SS#5)	0.199	0.221	-11.1			
*1 #471 D10-PYRENE	1.156	1.340	-15.9			
*1 #496 014-TERPHENYL (SS#6)	1.038	1.009	2.8			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)  
(V4)

CONTINUING CALIBRATION CHECK  
MAST6

PAGE

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 06  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/18/90  
TIME: 2:48  
STANDARD FILE ID: HH900518C06  
MULTIPRINT DATE: 5/ 5/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 30)	XD	CCC	BPC	P/F
2 604 4,6-DINITRO-2-METHYLPHENOL (G402)	0.150	0.152	-1.3			
3 443 N-NITROSODIPHENYLAMINE (G403)	0.560	0.621	-10.9	*		PAE
4 567 DIPHENYLAMINE (P303)	0.560	0.621	-10.9			
5 908 1,3,5-TRINITROBENZENE (Z9041)	0.108	0.106	1.9			
6 939 PHENACETIN (Z9042)	0.572	0.653	-14.2			
7 414 4-BROMOPHENYL PHENYL ETHER (G404)	0.233	0.208	10.7			
8 577 DIALLATE (TRANS ISOMER)	0.170	0.123	27.6			
9 541 DIMETHOATE (Z9044)	0.171	0.221	-29.2			
10 433 HEXACHLOROBENZENE (G405)	0.319	0.326	-2.2			
11 485 4-AMINODIPHENYL (Z9045)	0.651	0.723	-11.1			
12 522 PRONAHIDE (Z9046)	0.453	0.453	0.0			
13 609 PENTACHLOROPHENOL (G406)	0.198	0.202	-2.0	*		PAE
14 453 PENTACHLORONITROBENZENE (Z9047)	0.113	0.113	0.0			
15 444 PHENANTHRENE (G407)	1.220	1.268	-3.9			
16 403 ANTHRACENE (G408)	1.046	1.289	-23.2			
17 426 DI-N-BUTYL PHTHALATE (G409)	1.842	1.963	-6.6			
18 516 METHAPYRILENE (Z9048)	0.612	0.491	19.8			
19 549 CYCLOPHOSPHAMIDE (Z9049)	0.018	0.047	-161.1			
20 431 FLUORANTHENE (G4010)	1.119	1.185	-5.9	*		PAE
22 404 BENZIDINE (G502)	0.071	0.140	-97.2			
23 445 PYRENE (G503)	1.363	1.461	-7.2			
24 530 ARAMITE (Z9050)	0.210	0.230	-9.5			
25 487 P-DIMETHYLAMINDAZOBENZENE (Z9051)	0.270	0.261	3.3			
26 523 CHLOROBENZILATE (Z9052)	0.885	1.028	-16.2			
27 545 3,3'-DIMETHYLBENZIDINE (Z9053)	0.380	0.425	-11.8			
28 415 BUTYLBENZYL PHTHALATE (G504)	1.019	1.159	-13.7			
29 488 2-ACETYLAMINO FLUORENE (F502)	0.380	0.527	-38.7			
30 489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z	0.170	0.206	-21.2			
31 423 3,3'-DICHLOROBENZIDINE (G505)	0.242	0.298	-23.1			
32 533 DIMETHOXYBENZIDINE (Z9057)	0.136	0.144	7.7			
33 413 BIS(2-ETHYLHEXYL) PHTHALATE (G507)	1.369	1.604	-17.2			
34 405 BENZO(A)ANTHRACENE (G506)	1.108	1.162	-4.9			
35 418 CHRYSENE (G508)	1.001	1.143	-14.2			
37 429 DI-N-OCTYL PHTHALATE (G602)	3.562	3.641	-2.2	*		PAS
38 407 BENZO(B)FLUORANTHENE (G603)	1.021	1.561	-52.9			
39 517 7,12-DIMETHYLBENZANTHRACENE (Z9055)	0.696	0.545	21.7			
40 409 BENZO(K)FLUORANTHENE (G604)	1.021	0.520	49.1			
41 406 BENZO(A)PYRENE (G605)	1.083	1.191	-10.0	*		PAS
42 569 3-METHYLCHLORANTHRENE (P602)	0.626	0.659	-5.3			
43 566 DIBENZO(A,J)ACRIDINE	0.548	0.812	-48.2			
44 437 INDENO(1,2,3-C,D)PYRENE (G606)	0.848	1.221	-44.0			
45 419 DIBENZO(A,H)ANTHRACENE (G607)	0.683	1.110	-62.9			
46 408 BENZO(G,H,I)PERYLENE (G608)	0.621	0.877	-41.2			
47 576 DIALLATE (CIS ISOMER)	0.686	0.172	74.9			

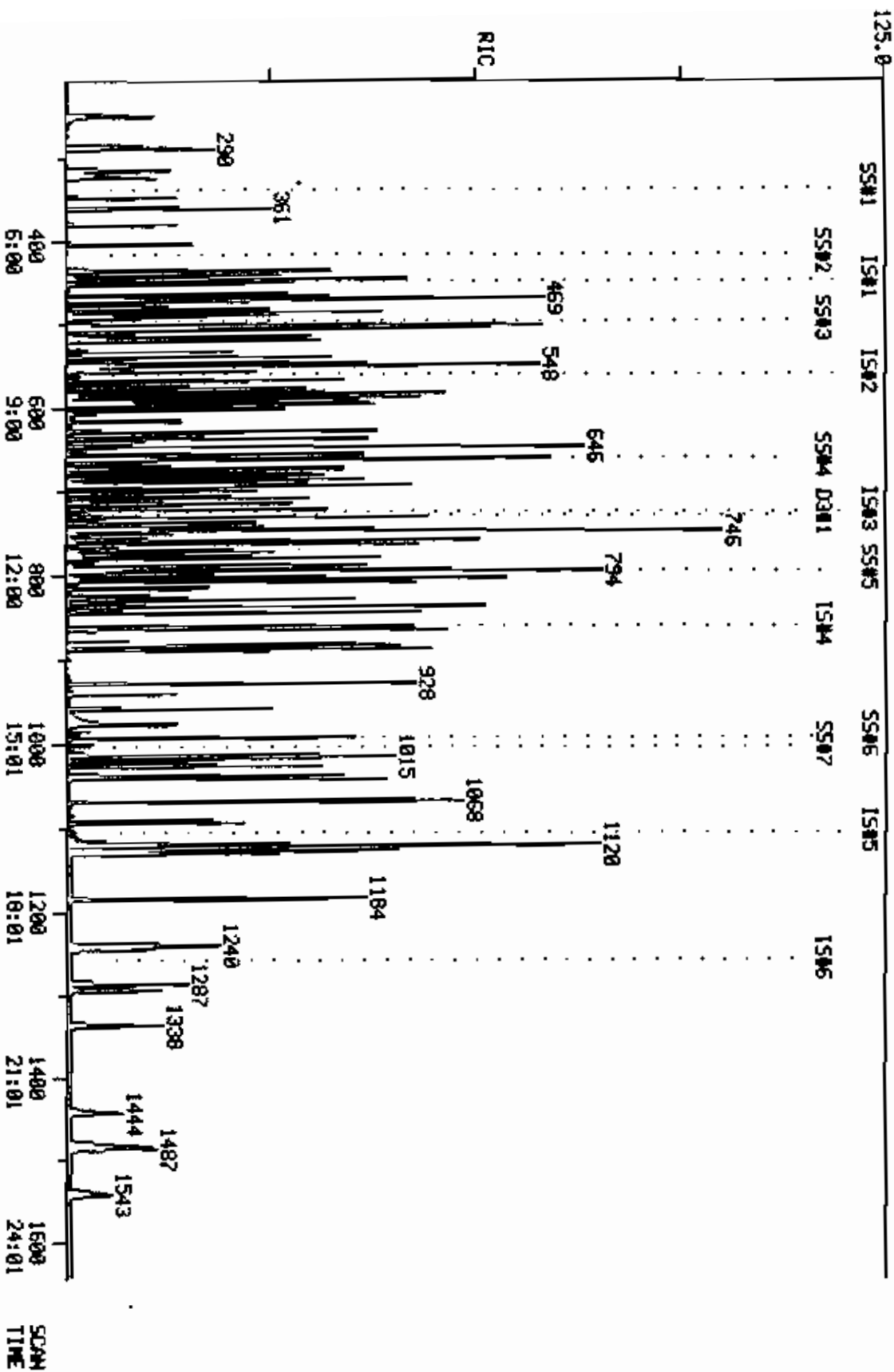
RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
BPC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

RIJ  
05/19/98 2:49:00  
SAMPLE: 2 UL 50-ND 8270 LOT#31672 (2387)  
CONDOS.:

2101110.



QUANTITATION REPORT FILE: HH900518C06  
DATA: HH900518C06.TI  
05/18/90 2:48:00  
SAMPLE: 2 UL 50-NG 8270 LOT#31672 (2387)  
CONDS.:  
SUBMITTED BY: 06 ANALYST: 917

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYL METHACRYLATE (Z9#2)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (D1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (D1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	525 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 D8-NAPHTHALENE (I8#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROSODIPIPERIDINE (Z9#14)
34	438 ISOPHORDNE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLOROANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#19) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORD-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 O10-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 O10-PHENANTHRENE (I8#4)
93	*459 D12-CHRYSENE (I8#5)
94	*497 D12-PERYLENE
95	*619 2-FLUOROPHENOL (S8#1)
96	*612 D5-PHENOL (S8#2)
97	*447 D5-NITROBENZENE (S8#3)
98	*448 2-FLUOROBIPHENYL (S8#4)
99	*628 2,4,6-TRIBROMOPHENOL (S8#5)
100	*471 D10-PYRENE
101	*496 D14-TERPHENYL (S8#6)

NO	M/E	SCAN	TJNE	REF	RRT	METH	AREA(MQHT)	AMOUNT	%TOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TGT
1	152	469	7:02	1	1.000	A BB	133220.	40.000 NG	0.77
2	42	252	3:47	1	0.537	A BB	123064.	50.000 NG	0.96
3	79	253	3:48	1	0.539	A BB	230960.	50.000 NG	0.96
4	69	290	4:21	1	0.618	A BB	236020.	50.000 NG	0.96
5	89	288	4:19	1	0.614	A BB	57812.	50.000 NG	0.96
6	93	316	4:45	1	0.674	A BV	248852.	50.000 NG	0.96
7	89	325	4:53	1	0.693	A BB	262368.	50.000 NG	0.96
8	80	348	5:13	1	0.742	A BB	158748.	50.000 NG	0.96
9	102	380	5:42	1	0.810	A BB	137844.	50.000 NG	0.96
10	109	404	6:04	1	0.861	A BB	153016.	50.000 NG	0.96
11	94	436	6:33	1	0.930	A BV	337636.	50.000 NG	0.96
12	93	441	6:37	1	0.940	A BV	409696.	50.000 NG	0.96
13	167	446	6:42	1	0.951	A BB	104072.	50.000 NG	0.96
14	93	445	6:41	1	0.949	A VU	312092.	50.000 NG	0.96
15	128	451	6:46	1	0.962	A BB	307456.	50.000 NG	0.96
16	146	465	6:59	1	0.991	A BB	306192.	50.000 NG	0.96
17	91	469	7:02	1	1.000	A BB	543688.	50.000 NG	0.96
18	146	471	7:04	1	1.004	A BB	293286.	50.000 NG	0.96
19	108	479	7:11	1	1.021	A BV	165912.	50.000 NG	0.96
20	146	484	7:16	1	1.032	A BB	292292.	50.000 NG	0.96
21	108	488	7:19	1	1.041	A VB	243012.	50.000 NG	0.96
22	45	491	7:22	1	1.047	A BB	291152.	50.000 NG	0.96
23	108	501	7:31	1	1.068	A BV	<del>419748.20750</del> 100.000 NG 50	1.93	
24	108	501	7:31	1	1.068	A BV	<del>418740.20750</del> 100.000 NG 50	1.93	
25	100	502	7:32	1	1.070	A BB	136740.	50.000 NG	0.96
26	116	505	7:35	1	1.077	A BB	79288.	50.000 NG	0.96
27	105	503	7:33	1	1.072	A BB	369820.	50.000 NG	0.96
28	70	503	7:33	1	1.072	A BB	194144.	50.000 NG	0.96
29	106	506	7:36	1	1.079	A BB	328124.	50.000 NG	0.96
30	117	514	7:43	1	1.096	A BB	172548.	50.000 NG	0.96
31	136	581	8:43	31	1.000	A BB	496168.	40.000 NG	0.77
32	77	519	7:47	31	0.893	A BB	331164.	50.000 NG	0.96
33	114	532	7:59	31	0.916	A BB	139680.	50.000 NG	0.96
34	82	539	8:05	31	0.928	A BB	585764.	50.000 NG	0.96
35	107	548	8:14	31	0.943	A BB	273068.	50.000 NG	0.96
36	139	546	8:12	31	0.940	A BB	148464.	50.000 NG	0.96
37	180	547	8:13	31	0.941	A BB	209976.	50.000 NG	0.96
38	125	550	8:15	31	0.947	A BB	450624.	50.000 NG	0.96
39	122	555	8:20	31	0.955	A VV	134924.	50.000 NG	0.96
40	93	557	8:22	31	0.959	A BB	346676.	50.000 NG	0.96
41	162	567	8:31	31	0.976	A BB	195660.	50.000 NG	0.96
42	180	575	8:38	31	0.990	A BB	211632.	50.000 NG	0.96
43	128	583	8:45	31	1.003	A BB	799396.	50.000 NG	0.96
44	127	586	8:48	31	1.009	A BB	410120.	50.000 NG	0.96
45	162	587	8:49	31	1.010	A BB	207360.	50.000 NG	0.96
46	108	581	8:43	31	1.000	A BB	70892.	50.000 NG	0.96
47	91	606	9:06	31	1.043	A BB	35105.	50.000 NG	0.96
48	213	591	8:52	31	1.017	A BB	123108.	50.000 NG	0.96
49	229	593	8:54	31	1.021	A BB	117888.	50.000 NG	0.96
50	180	596	8:57	31	1.026	A BB	202000.	50.000 NG	0.96
51	159	601	9:01	31	1.034	A BB	264232.	50.000 NG	0.96
52	84	615	9:14	31	1.059	A BB	124128.	50.000 NG	0.96
53	107	628	9:26	31	1.081	A BB	270052.	50.000 NG	0.96
54	108	628	9:26	31	1.081	A BB	23704.	50.000 NG	0.96
55	162	636	9:33	31	1.095	A BB	157056.	50.000 NG	0.96
56	108	636	9:33	31	1.095	A BB	2060.	50.000 NG	0.96

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTDT
57	142	646	9:42	31	1.112	A BB	528976.	50.000 NG	0.96
58	142	655	9:50	31	1.127	A BB	311244.	50.000 NG	0.96
59	164	743	11:09	59	1.000	A BB	241272.	40.000 NG	0.77
60	216	661	9:55	59	0.890	A BB	362800. <sup>181400</sup>	100.000 NG <sup>50</sup>	1.93
61	216	661	9:55	59	0.890	A BB	<del>362800.</del> <sup>181400</sup>	<del>100.000</del> NG <sup>50</sup>	1.93
62	237	660	9:54	59	0.888	A BB	102136.	50.000 NG	0.96
63	196	670	10:03	59	0.902	A BV	125244.	50.000 NG	0.96
64	196	674	10:07	59	0.907	A VB	125876.	50.000 NG	0.96
65	162	684	10:16	59	0.921	A BB	154892.	50.000 NG	0.96
66	162	691	10:22	59	0.930	A BV	434688.	50.000 NG	0.96
67	162	694	10:25	59	0.934	A VB	352984.	50.000 NG	0.96
68	216	687	10:19	59	0.925	A BB	179144.	50.000 NG	0.96
69	65	699	10:29	59	0.941	A BB	164392.	50.000 NG	0.96
70	198	707	10:37	59	0.952	A BB	154716.	50.000 NG	0.96
71	168	711	10:40	59	0.957	A BB	83968.	50.000 NG	0.96
72	163	714	10:43	59	0.961	A BB	468028.	50.000 NG	0.96
73	165	721	10:49	59	0.970	A BB	118552.	50.000 NG	0.96
74	152	730	10:57	59	0.983	A BB	573244.	50.000 NG	0.96
75	138	737	11:04	59	0.992	A BB	127936.	50.000 NG	0.96
76	153	746	11:12	59	1.004	A BB	347884.	50.000 NG	0.96
77	184	747	11:13	59	1.005	A BB	44964.	50.000 NG	0.96
78	109	750	11:15	59	1.009	A BV	91560.	50.000 NG	0.96
79	165	758	11:23	59	1.020	A BB	144016.	50.000 NG	0.96
80	168	762	11:26	59	1.026	A BB	506444.	50.000 NG	0.96
81	250	758	11:23	59	1.020	A BB	159072.	50.000 NG	0.96
82	143	769	11:33	59	1.035	A BV	248799.	50.000 NG	0.96
83	143	776	11:39	59	1.044	A VV	263241.	50.000 NG	0.96
84	232	772	11:39	59	1.039	A BB	82444.	50.000 NG	0.96
85	149	779	11:42	59	1.048	A BB	535772.	50.000 NG	0.96
86	97	787	11:49	59	1.059	A BB	158160.	50.000 NG	0.96
87	204	791	11:52	59	1.065	A BB	194072.	50.000 NG	0.96
88	166	793	11:54	59	1.067	A BB	360832.	50.000 NG	0.96
89	138	794	11:55	59	1.069	A VB	122936.	50.000 NG	0.96
90	152	793	11:54	59	1.067	A BB	136720.	50.000 NG	0.96
91	77	807	12:07	59	1.086	A VB	778384.	50.000 NG	0.96
92	188	881	13:13	92	1.000	A BB	358272.	40.000 NG	0.77
93	240	1128	16:56	93	1.000	A BB	273128.	40.000 NG	0.77
94	264	1294	19:29	94	1.000	A BB	215260.	40.000 NG	0.77
95	112	361	5:25	1	0.770	A BB	277088.	50.000 NG	0.96
96	99	435	6:32	1	0.928	A BB	310740.	50.000 NG	0.96
97	82	517	7:46	31	0.890	A BB	334880.	50.000 NG	0.96
98	172	678	10:11	59	0.913	A BB	377292.	50.000 NG	0.96
99	330	819	12:14	59	1.097	A BB	66560.	50.000 NG	0.96
100	212	1013	19:12	93	0.898	A BV	497932.	50.000 NG	0.96
101	244	1029	15:23	93	0.909	A BB	344536.	50.000 NG	0.96

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:02	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:47	1.00	10.000	0.05	50.00	50.00	0.739	0.739	1.00
3	3:48	1.00	10.000	0.05	50.00	50.00	1.387	1.387	1.00
4	4:21	1.00	10.000	0.06	50.00	50.00	1.417	1.417	1.00
5	4:19	1.00	10.000	0.06	50.00	50.00	0.347	0.347	1.00
6	4:45	1.00	20.000	0.03	50.00	50.00	1.494	1.494	1.00
7	4:53	1.00	10.000	0.07	50.00	50.00	1.576	1.576	1.00
8	3:13	1.00	10.000	0.07	50.00	50.00	0.953	0.953	1.00
9	3:42	1.00	10.000	0.08	50.00	50.00	0.828	0.828	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:04	1.00	10.000	0.09	50.00	50.00	0.919	0.919	1.00
11	6:33	1.00	10.000	0.09	50.00	50.00	2.028	2.028	1.00
12	6:37	1.00	10.000	0.09	50.00	50.00	2.460	2.460	1.00
13	6:42	1.00	10.000	0.10	50.00	50.00	0.625	0.625	1.00
14	6:41	1.00	20.000	0.05	50.00	50.00	1.874	1.874	1.00
15	6:46	1.00	10.000	0.10	50.00	50.00	1.846	1.846	1.00
16	6:59	1.00	10.000	0.10	50.00	50.00	1.839	1.839	1.00
17	7:02	1.00	10.000	0.10	50.00	50.00	3.265	3.265	1.00
18	7:04	1.00	10.000	0.10	50.00	50.00	1.761	1.761	1.00
19	7:11	1.00	10.000	0.10	50.00	50.00	0.996	0.996	1.00
20	7:16	1.00	10.000	0.10	50.00	50.00	1.755	1.755	1.00
21	7:19	1.00	10.000	0.10	50.00	50.00	1.459	1.459	1.00
22	7:22	1.00	10.000	0.10	50.00	50.00	1.748	1.748	1.00
23	7:31	1.00	10.000	0.11	100.00	100.00	1.260	1.260	1.00
24	7:31	1.00	10.000	0.11	100.00	100.00	1.260	1.260	1.00
25	7:32	1.00	10.000	0.11	50.00	50.00	0.821	0.821	1.00
26	7:35	1.00	10.000	0.11	50.00	50.00	0.476	0.476	1.00
27	7:33	1.00	10.000	0.11	50.00	50.00	2.221	2.221	1.00
28	7:33	1.00	10.000	0.11	50.00	50.00	1.166	1.166	1.00
29	7:36	1.00	10.000	0.11	50.00	50.00	1.970	1.970	1.00
30	7:43	1.00	10.000	0.11	50.00	50.00	1.036	1.036	1.00
31	8:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:47	1.00	10.000	0.09	50.00	50.00	0.534	0.534	1.00
33	7:59	1.00	10.000	0.09	50.00	50.00	0.225	0.225	1.00
34	8:05	1.00	10.000	0.09	50.00	50.00	0.944	0.944	1.00
35	8:14	1.00	10.000	0.09	50.00	50.00	0.440	0.440	1.00
36	8:12	1.00	10.000	0.09	50.00	50.00	0.239	0.239	1.00
37	8:13	1.00	10.000	0.09	50.00	50.00	0.339	0.339	1.00
38	8:15	1.00	10.000	0.09	50.00	50.00	0.727	0.727	1.00
39	8:20	1.00	100.000	0.01	50.00	50.00	0.218	0.218	1.00
40	8:22	1.00	10.000	0.10	50.00	50.00	0.559	0.559	1.00
41	8:31	1.00	10.000	0.10	50.00	50.00	0.315	0.315	1.00
42	8:38	1.00	10.000	0.10	50.00	50.00	0.341	0.341	1.00
43	8:43	1.00	10.000	0.10	50.00	50.00	1.218	1.218	1.00
44	8:48	1.00	10.000	0.10	50.00	50.00	0.661	0.661	1.00
45	8:49	1.00	20.000	0.05	50.00	50.00	0.334	0.334	1.00
46	8:43	1.00	10.000	0.10	50.00	50.00	0.114	0.114	1.00
47	9:06	1.00	10.000	0.10	50.00	50.00	0.057	0.057	1.00
48	8:52	1.00	10.000	0.10	50.00	50.00	0.198	0.198	1.00
49	8:54	1.00	10.000	0.10	50.00	50.00	0.190	0.190	1.00
50	8:57	1.00	10.000	0.10	50.00	50.00	0.326	0.326	1.00
51	9:01	1.00	20.000	0.05	50.00	50.00	0.426	0.426	1.00
52	9:14	1.00	10.000	0.11	50.00	50.00	0.200	0.200	1.00
53	9:26	1.00	10.000	0.11	50.00	50.00	0.435	0.435	1.00
54	9:26	1.00	10.000	0.11	50.00	50.00	0.038	0.038	1.00
55	9:33	1.00	10.000	0.11	50.00	50.00	0.253	0.253	1.00
56	9:33	1.00	10.000	0.11	50.00	50.00	0.003	0.003	1.00
57	9:42	1.00	10.000	0.11	50.00	50.00	0.853	0.853	1.00
58	9:50	1.00	10.000	0.11	50.00	50.00	0.502	0.502	1.00
59	11:09	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	9:55	1.00	10.000	0.09	100.00	100.00	0.601	0.601	1.00
61	9:55	1.00	10.000	0.09	100.00	100.00	0.601	0.601	1.00
62	9:54	1.00	10.000	0.09	50.00	50.00	0.339	0.339	1.00
63	10:03	1.00	20.000	0.05	50.00	50.00	0.415	0.415	1.00
64	10:07	1.00	20.000	0.05	50.00	50.00	0.417	0.417	1.00
65	10:16	1.00	20.000	0.05	50.00	50.00	0.514	0.514	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:22	1.00	10.000	0.09	50.00	50.00	1.441	1.441	1.00
67	10:25	1.00	10.000	0.09	50.00	50.00	1.170	1.170	1.00
68	10:19	1.00	10.000	0.09	50.00	50.00	0.594	0.594	1.00
69	10:29	1.00	10.000	0.09	50.00	50.00	0.545	0.545	1.00
70	10:37	1.00	20.000	0.05	50.00	50.00	0.513	0.513	1.00
71	10:40	1.00	20.000	0.05	50.00	50.00	0.278	0.278	1.00
72	10:43	1.00	10.000	0.10	50.00	50.00	1.552	1.552	1.00
73	10:49	1.00	10.000	0.10	50.00	50.00	0.393	0.393	1.00
74	10:57	1.00	10.000	0.10	50.00	50.00	1.901	1.901	1.00
75	11:04	1.00	20.000	0.05	50.00	50.00	0.424	0.424	1.00
76	11:12	1.00	10.000	0.10	50.00	50.00	1.153	1.153	1.00
77	11:13	1.00	40.000	0.03	50.00	50.00	0.149	0.149	1.00
78	11:15	1.00	10.000	0.10	50.00	50.00	0.304	0.304	1.00
79	11:23	1.00	10.000	0.10	50.00	50.00	0.478	0.478	1.00
80	11:26	1.00	10.000	0.10	50.00	50.00	1.679	1.679	1.00
81	11:23	1.00	10.000	0.10	50.00	50.00	0.527	0.527	1.00
82	11:33	1.00	20.000	0.05	50.00	50.00	0.825	0.825	1.00
83	11:39	1.00	20.000	0.05	50.00	50.00	0.873	0.873	1.00
84	11:35	1.00	20.000	0.05	50.00	50.00	0.273	0.273	1.00
85	11:42	1.00	10.000	0.10	50.00	50.00	1.776	1.776	1.00
86	11:49	1.00	10.000	0.11	50.00	50.00	0.524	0.524	1.00
87	11:52	1.00	10.000	0.11	50.00	50.00	0.511	0.511	1.00
88	11:54	1.00	10.000	0.11	50.00	50.00	1.196	1.196	1.00
89	11:55	1.00	20.000	0.05	50.00	50.00	0.406	0.406	1.00
90	11:54	1.00	20.000	0.05	50.00	50.00	0.453	0.453	1.00
91	12:07	1.00	10.000	0.11	50.00	50.00	2.581	2.581	1.00
92	13:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	19:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:25	1.00	0.742	1.04	50.00	50.00	1.664	1.664	1.00
96	6:32	1.00	0.948	0.98	50.00	50.00	1.866	1.866	1.00
97	7:46	1.00	0.875	1.02	50.00	50.00	0.540	0.540	1.00
98	10:11	1.00	0.906	1.01	50.00	50.00	1.251	1.251	1.00
99	12:14	1.00	1.118	0.98	50.00	50.00	0.221	0.221	1.00
100	15:12	1.00	10.000	0.09	50.00	50.00	1.340	1.340	1.00
101	15:23	1.00	0.907	1.00	50.00	50.00	1.009	1.009	1.00

QUANTITATION REPORT FILE: MH900518C06  
DATA: MH900518C06.TI  
05/18/90 2:48:00  
SAMPLE: 2 UL 90-NO 8270 LOT#31672 (2387)  
CONDS.:  
SUBMITTED BY: 06 ANALYST: 917

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

NO	NAME
1	*467 D10-PHENANTHRENE (I5#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) (534-52-1)
3	443 N-NITROBODIPHENYLAMINE (G4#3) (86-30-6)
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) (63-44-2)
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) (101-55-3)
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (G4#5) (118-74-1)
11	485 4-AMINOBIIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) (87-86-5)
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) (85-01-8)
16	403 ANTHRACENE (G4#8) (120-12-7)
17	426 DI-N-BUTYL PHTHALATE (G4#9) (84-74-2)
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (G4#10) (206-44-0)
21	*459 D12-CHRYBENE (I5#5)
22	404 BENZIDINE (G5#2) (92-87-5)
23	445 PYRENE (G5#3) (129-00-0)
24	530 ARAMITE (Z9#50) (140-57-4)
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLORO BENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) (85-68-7)
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIB(2-CHLOROANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) (91-94-1)
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIB(2-ETHYLHEXYL) PHTHALATE (G5#7) (117-81-7)
34	405 BENZO(A)ANTHRACENE (G5#6) (56-55-3)
35	418 CHRYBENE (G5#8) (218-01-9)
36	*497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (G6#2) (117-84-0)
38	407 BENZO(B)FLUORANTHENE (G6#3) (205-99-2)
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) (207-08-9)
41	406 BENZO(A)PYRENE (G6#5) (50-32-8)
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DI(BENZO(A,J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (G6#6) (193-39-8)
45	419. DI(BENZO(A,H)ANTHRACENE (G6#7) (53-70-3)
46	408 BENZO(G,N,I)PERYLENE (G6#8) (191-24-2)

NO NAME  
47 576 DIALLATE (C18 ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	ZTDT
1	188	881	13:13	1	1.000	A BB	358272.	40.000 NG	1.59
2	198	796	11:57	1	0.904	A BB	67996.	50.000 NG	1.98
3	169	802	12:02	1	0.910	A BB	<del>555920.</del> 27769	100.003 NG	3.97
4	169	802	12:02	1	0.910	A BB	<del>555920.</del> 27769	100.003 NG	3.97
5	213	825	12:23	1	0.936	A BB	47568.	50.000 NG	1.98
6	108	829	12:27	1	0.941	A BB	292624.	50.000 NG	1.98
7	248	837	12:34	1	0.950	A BB	93344.	50.000 NG	1.98
8	234	827	12:25	1	0.939	A BB	27512.	25.000 HQ	0.99
9	125	845	12:41	1	0.959	A BB	99124.	50.000 NG	1.98
10	284	844	12:40	1	0.958	A BB	146132.	50.000 NG	1.98
11	169	861	12:55	1	0.977	A BB	323868.	50.000 NG	1.98
12	173	864	12:58	1	0.981	A VB	202648.	50.000 NG	1.98
13	266	862	12:56	1	0.978	A BB	90320.	50.000 NG	1.98
14	237	863	12:57	1	0.980	A BB	50548.	50.000 NG	1.98
15	178	883	13:15	1	1.002	A BV	567680.	50.000 NG	1.98
16	178	888	13:20	1	1.008	A VB	577364.	50.000 NG	1.98
17	149	928	13:56	1	1.053	A VV	879162.	50.000 NG	1.98
18	97	958	14:23	1	1.087	A BV	219872.	50.000 NG	1.98
19	211	977	14:40	1	1.109	A BV	84756.	200.001 NG	7.94
20	202	993	14:54	1	1.127	A BB	330562.	50.000 NG	1.98
21	240	1128	16:56	21	1.000	A BB	273128.	40.000 NG	1.59
22	184	1002	15:02	21	0.888	A BB	47856.	50.000 NG	1.98
23	202	1015	15:14	21	0.900	A VV	498852.	50.000 NG	1.98
24	185	1027	15:25	21	0.910	A VB	78640.	50.000 NG	1.98
25	225	1038	15:35	21	0.920	A BB	89016.	50.000 NG	1.98
26	139	1041	15:37	21	0.923	A BB	350832.	50.000 NG	1.98
27	212	1069	16:03	21	0.948	A BB	145252.	50.000 HQ	1.98
28	149	1068	16:02	21	0.947	A BB	395759.	50.000 HQ	1.98
29	181	1094	16:25	21	0.970	A BB	179960.	50.000 NG	1.98
30	231	1121	16:50	21	0.994	A BB	70476.	50.000 NG	1.98
31	252	1121	16:50	21	0.994	A BB	101772.	50.000 NG	1.98
32	244	1116	16:45	21	0.989	A BB	49060.	50.000 NG	1.98
33	149	1120	16:49	21	0.993	A BV	547480.	50.000 NG	1.98
34	228	1127	16:55	21	0.999	A BV	396816.	50.000 NG	1.98
35	228	1130	16:58	21	1.002	A VB	390237.	50.000 NG	1.98
36	264	1294	19:25	36	1.000	A BB	215260.	40.000 NG	1.59
37	149	1184	17:46	36	0.915	A VB	979775.	50.000 NG	1.98
38	252	1242	18:38	36	0.960	A BV	419924.	50.000 NG	1.98
39	256	1239	18:36	36	0.957	A BB	146572.	50.000 NG	1.98
40	252	1245	18:41	36	0.962	A VV	139862.	50.000 NG	1.98
41	252	1287	19:19	36	0.998	A BV	320360.	50.000 NG	1.98
42	268	1338	20:05	36	1.034	A BB	177312.	50.000 NG	1.98
43	279	1444	21:40	36	1.116	A BB	218384.	50.000 NG	1.98
44	276	1485	22:17	36	1.148	A BB	328612.	50.000 NG	1.98
45	278	1487	22:19	36	1.149	A BB	298580.	50.000 NG	1.98
46	276	1542	23:09	36	1.192	A BB	235936.	50.000 NG	1.98
47	234	836	12:33	1	0.949	A BB	38592.	25.000 NG	0.99

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC (L)	RATIO
1	13:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	11:57	1.00	30.000	0.03	50.00	50.00	0.152	0.152	1.00
3	12:02	1.00	10.000	0.09	100.00	100.00	0.621	0.621	1.00
4	12:02	1.00	10.000	0.09	100.00	100.00	0.621	0.621	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:23	1.00	20.000	0.05	50.00	50.00	0.106	0.106	1.00
6	12:27	1.00	10.000	0.09	50.00	50.00	0.653	0.653	1.00
7	12:34	1.00	10.000	0.10	50.00	50.00	0.208	0.208	1.00
8	12:25	1.00	10.000	0.09	25.00	25.00	0.123	0.123	1.00
9	12:41	1.00	10.000	0.10	50.00	50.00	0.221	0.221	1.00
10	12:40	1.00	10.000	0.10	50.00	50.00	0.326	0.326	1.00
11	12:55	1.00	10.000	0.10	50.00	50.00	0.723	0.723	1.00
12	12:58	1.00	10.000	0.10	50.00	50.00	0.453	0.453	1.00
13	12:56	1.00	20.000	0.05	50.00	50.00	0.202	0.202	1.00
14	12:57	1.00	10.000	0.10	50.00	50.00	0.113	0.113	1.00
15	13:15	1.00	10.000	0.10	50.00	50.00	1.268	1.268	1.00
16	13:20	1.00	10.000	0.10	50.00	50.00	1.289	1.289	1.00
17	13:56	1.00	10.000	0.11	50.00	50.00	1.963	1.963	1.00
18	14:23	1.00	20.000	0.05	50.00	50.00	0.491	0.491	1.00
19	14:40	1.00	50.000	0.02	200.00	200.00	0.047	0.047	1.00
20	14:54	1.00	10.000	0.11	50.00	50.00	1.185	1.185	1.00
21	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:02	1.00	10.000	0.09	50.00	50.00	0.140	0.140	1.00
23	15:14	1.00	10.000	0.09	50.00	50.00	1.461	1.461	1.00
24	15:25	1.00	20.000	0.05	50.00	50.00	0.230	0.230	1.00
25	15:35	1.00	10.000	0.09	50.00	50.00	0.261	0.261	1.00
26	15:37	1.00	10.000	0.09	50.00	50.00	1.028	1.028	1.00
27	16:03	1.00	20.000	0.05	50.00	50.00	0.425	0.425	1.00
28	16:02	1.00	10.000	0.09	50.00	50.00	1.159	1.159	1.00
29	16:25	1.00	10.000	0.10	50.00	50.00	0.527	0.527	1.00
30	16:50	1.00	10.000	0.10	50.00	50.00	0.206	0.206	1.00
31	16:50	1.00	10.000	0.10	50.00	50.00	0.298	0.298	1.00
32	16:45	1.00	10.000	0.10	50.00	50.00	0.144	0.144	1.00
33	16:49	1.00	10.000	0.10	50.00	50.00	1.604	1.604	1.00
34	16:55	1.00	10.000	0.10	50.00	50.00	1.162	1.162	1.00
35	16:58	1.00	10.000	0.10	50.00	50.00	1.143	1.143	1.00
36	19:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:46	1.00	10.000	0.09	50.00	50.00	3.641	3.641	1.00
38	18:38	1.00	10.000	0.10	50.00	50.00	1.561	1.561	1.00
39	18:36	1.00	10.000	0.10	50.00	50.00	0.545	0.545	1.00
40	18:41	1.00	10.000	0.10	50.00	50.00	0.520	0.520	1.00
41	19:19	1.00	10.000	0.10	50.00	50.00	1.191	1.191	1.00
42	20:05	1.00	10.000	0.10	50.00	50.00	0.659	0.659	1.00
43	21:40	1.00	10.000	0.11	50.00	50.00	0.812	0.812	1.00
44	22:17	1.00	10.000	0.11	50.00	50.00	1.221	1.221	1.00
45	22:19	1.00	10.000	0.11	50.00	50.00	1.110	1.110	1.00
46	23:09	1.00	10.000	0.12	50.00	50.00	0.877	0.877	1.00
47	12:33	1.00	10.000	0.09	25.00	25.00	0.172	0.172	1.00

COMPUCHEM LABORATORIES, INC.  
GC/MIS ANALYSIS LOG

INITIAL TIME OF TIME 2:26 (A) 10:26 (B) 5-18-90 (C) ✓  
 TIME TUNE EXPIRES 10:26 DATE 5-18-90  
 ANALYSIS TYPE 5270

RUN LOG

PREVENTIVE MAINTENANCE NONE 5-18-90

FILE NAME	DATE	TIME	EPA ID	CASE NO.	STD. ID #	ANALYST	CHEMIST	COMMENTS (Lot #, Disposition, Etc.)
1 DH9005-18 Co6	5/18/90	2:26	757PP			1.01	917	#7052
2 HH9005-18 Co6	5/18/90	2:48	507			2.08	917	#31672 (2387)
3 GH038403 Co6	5/18/90	3:31	BS	19575		1.01	917	
4 G1039895 Co6	5/18/90	6:07	CRK19			1.01	917	
5 G2A39895 Co6	5/18/90	6:44	CRK15			1.01	917	
6 G1040130 AOC6	5/18/90	7:33	GCAD1602	20171		1.01	917	4.1
7 G2037843 AOC6	5/18/90	10:35	SRK31	VARIOUS		1.1	1591	EL
8 G1040130 AOC6	5/18/90	11:24	SRK31	VARIOUS		1.1	1591	
9 G2037844 AOC6	5/18/90	12:50	73800107	20124		1.1	1591	
10 G2037850 AOC6	5/18/90	13:19	73800113	20124		1.1	1591	
11 G2037850 AOC6	5/18/90	14:15	ED212402	19698		1.1	1591	
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

agreed

5-18-90

VERIFIED [Signature] 5-18-90  
 SUPERVISOR APPROVAL [Signature] 5/18/90



CONTINUING CALIBRATION CHECK  
MAST5

PAGE 1

CASE NO:  
CONTRACTOR: COMPUCHER  
CONTRACT NO:  
INSTRUMENT ID: 07  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 09/17/90  
TIME: 17:32  
STANDARD FILE ID: H0900517B07  
MULTIPOINT DATE: 4/7/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
2 441 N-NITROSODIMETHYLAMINE (G102)	1.070	0.632	40.9			
3 481 PYRIDINE (I901)	1.098	1.218	-10.9			
4 509 ETHYL METHACRYLATE (T104)	1.222	1.061	13.2			
5 542 FORMALDEHYDE (I903)	0.295	0.268	9.2			
6 510 2-PICOLINE (I905A)	1.250	1.218	2.6			
7 539 NITROSOMETHYLETHYLAMINE (I904)	0.518	0.277	46.5			
8 543 METHYL METHANE SULFONATE (I905)	1.185	0.838	29.3			
9 499 N-NITROSODIETHYLAMINE (I906)	0.601	0.628	-4.5			
10 514 ETHYL METHANESULFONATE (I907)	0.742	0.687	7.4			
11 610 PHENOL (G103)	1.748	1.823	-4.4	*		PASS
12 473 ANILINE (G104)	1.876	2.076	-10.7			
13 505 PENTACHLOROETHANE (I908)	0.673	0.585	13.1			
14 411 BIS(2-CHLOROETHYL)ETHER (G105)	1.384	1.388	-0.3			
15 601 2-CHLOROPHENOL (G106)	1.430	1.508	-5.5			
16 421 1,3-DICHLOROBENZENE (G107)	1.640	1.602	2.3			
17 506 BENZYL CHLORIDE (I909)	3.249	2.729	16.0			
18 422 1,4-DICHLOROBENZENE (G108)	1.486	1.828	-23.0	*		PASS
19 474 BENZYL ALCOHOL (G109)	0.823	0.805	2.2			
20 420 1,2-DICHLOROBENZENE (G1010)	1.480	1.505	-1.7			
21 620 2-METHYLPHENOL (G1011)	1.252	1.218	2.7			
22 412 BIS(2-CHLOROISOPROPYL)ETHER (G1012)	1.370	1.073	21.7			
23 621 3-METHYLPHENOL (F102)	1.138	1.335	-17.3			
24 622 4-METHYLPHENOL (G1013)	1.138	1.335	-17.3			
25 528 N-NITROSOPYRROLIDINE (I9010)	0.537	0.682	-27.0			
26 544 N-NITROSOMORPHOLINE (I9012)	0.277	0.363	-31.0			
27 500 ACETOPHENONE (I9011)	1.838	2.018	-9.8			
28 442 N-NITROSDI-N-PROPYLAMINE (G1014)	1.067	0.988	7.4	**		PASS
29 512 O-TOLUIDINE HYDROCHLORIDE (I9013)	1.466	1.293	11.8			
30 436 HEXACHLOROETHANE (G1015)	0.927	0.766	17.4			
32 440 NITROBENZENE (G1016)	0.550	0.482	12.4			
33 502 N-NITROSODIPIPERIDINE (I9014)	0.196	0.212	-8.2			
34 438 ISOPHORONE (G202)	0.995	0.889	10.7			
35 603 2,4-DIMETHYLPHENOL (G204)	0.472	0.498	-5.5			
36 606 2-NITROPHENOL (G203)	0.236	0.283	-19.9	*		PASS
37 451 1,3,5-TRICHLOROBENZENE (I9022)	0.412	0.426	-3.4			
38 518 BENZAL CHLORIDE (I9016)	0.864	0.769	11.0			
39 628 BENZOIC ACID (G205)	0.135	0.218	-61.5			
40 410 BIS(2-CHLOROETHOXY)METHANE (G206)	0.494	0.467	5.5			
41 602 2,4-DICHLOROPHENOL (G207)	0.323	0.318	1.5	*		PASS
42 446 1,2,4-TRICHLOROBENZENE (G208)	0.412	0.373	9.5			
43 439 NAPHTHALENE (G209)	1.195	1.223	-2.3			
44 475 4-CHLOROANILINE (G2010)	0.501	0.499	0.4			
45 631 2,6-DICHLOROPHENOL (I9018)	0.348	0.364	-4.6			
46 524 O-PHENYLENEDIAMINE (I9019)	0.153	0.130	18.0			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST5

PAGE 2

CASE NO: \_\_\_\_\_  
CONTRACTOR: COMPUCHEM  
CONTRACT NO: \_\_\_\_\_  
INSTRUMENT ID: 07  
MINIMUM RF FOR SPCC IS 0.030

CALIBRATION DATE: 05/17/90  
TIME: 17:32  
STANDARD FILE ID: HQ900517B07  
MULTIPOINT DATE: 4/7/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 30)	XD	CCC	SPCC	P/F
47 513 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9	0.036	0.078	-116.7			
48 537 HEXACHLOROPROPENE (Z9#21)	0.228	0.231	-1.3			
49 434 HEXACHLOROBUTADIENE (G2#11)	0.295	0.222	24.7	*		PASS
50 450 1,2,3-TRICHLOROBENZENE (Z9#15)	0.364	0.376	-3.3			
51 534 BENZOTRICHORIDE (Z9#23)	0.548	0.469	14.4			
52 536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24)	0.318	0.161	49.4			
53 608 P-CHLORO-M-CRESOL (G2#12)	0.447	0.413	7.6	*		PASS
54 526 P-PHENYLENEDIAMINE (Z9#20)	0.060	0.033	45.0			
55 503 SAFROLE (Z9#27)	0.328	0.281	14.3			
56 525 M-PHENYLENEDIAMINE (Z9#26)	0.073	0.001	98.6			
57 477 2-METHYLNAPHTHALENE (G2#13)	1.019	1.003	1.2			
58 569 1-METHYLNAPHTHALENE (T2#28)	0.494	0.524	-6.1			
60 457 1,2,4,5-TETRACHLOROBENZENE (Z9#31)	0.673	0.643	4.5			
61 513 1,2,3,5-TETRACHLOROBENZENE (Z9#29)	0.673	0.643	4.5			
62 435 HEXACHLOROCYCLOPENTADIENE (G3#2)	0.152	0.326	-114.3		**	PASS
63 611 2,4,6-TRICHLOROPHENOL (G3#3)	0.411	0.425	-3.4	*		PASS
64 626 2,4,5-TRICHLOROPHENOL (G3#4)	0.416	0.385	7.5			
65 527 ISOSAFROLE (Z9#30)	0.473	0.489	-3.4			
66 416 2-CHLORONAPHTHALENE (G3#5)	1.311	1.638	-24.9			
67 564 1-CHLORONAPHTHALENE (F4#2)	0.984	0.926	5.9			
68 456 1,2,3,4-TETRACHLOROBENZENE (Z9#28)	0.661	0.630	4.7			
69 478 2-NITROANILINE (G3#6)	0.464	0.404	12.9			
70 504 1,4-NAPHTHOQUINONE (Z9#32)	0.251	0.456	-81.7			
71 491 1,4-DINITROBENZENE (P3#2)	0.212	0.250	-17.9			
72 425 DIMETHYL PHTHALATE (G3#7)	1.396	1.398	-0.1			
73 428 2,6-DINITROTOLUENE (G3#15)	0.307	0.334	-8.8			
74 402 ACENAPHTHYLENE (G3#8)	1.747	1.851	-6.0			
75 479 3-NITROANILINE (G3#9)	0.320	0.370	-18.6			
76 401 ACENAPHTHENE (G3#10)	1.136	1.264	-11.3	*		PASS
77 6605 2,4-DINITROPHENOL (G3#11)	0.118	0.171	-44.9		**	PASS
78 607 4-NITROPHENOL (G3#12)	0.287	0.204	28.9		**	PASS
79 427 2,4-DINITROTOLUENE (G3#14)	0.411	0.504	-22.6			
80 476 DIBENZOFURAN (G3#13)	1.576	1.640	-4.1			
81 507 PENTACHLOROBENZENE (Z9#33)	0.658	0.535	18.7			
82 484 2-NAPHTHYLAMINE (Z9#35)	0.999	0.664	33.5			
83 483 1-NAPHTHYLAMINE (Z9#36)	0.961	0.732	23.8			
84 630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)	0.318	0.277	12.9			
85 424 DIETHYL PHTHALATE (G3#16)	1.624	1.570	3.3			
86 519 ZINOPHOS (Z9#38)	0.432	0.407	5.8			
87 417 4-CHLOROPHENYL PHENYL ETHER (G3#17)	0.609	0.569	6.6			
88 432 FLUORENE (G3#18)	1.235	1.452	-17.6			
89 480 4-NITROANILINE (G3#19)	0.293	0.366	-24.9			
90 498 9-NITRO-O-TOLUIDINE (Z9#34)	0.330	0.404	-22.4			
91 430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9	2.287	1.944	15.0			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
 MAST9

PAGE :

CASE NO: \_\_\_\_\_  
 CONTRACTOR: COMPUCHEM  
 CONTRACT NO: \_\_\_\_\_  
 INSTRUMENT ID: 07  
 MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/17/90  
 TIME: 17:32  
 STANDARD FILE ID: HQ900517B07  
 MULTIPOINT DATE: 4/ 7/90  
 MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
95 #619 3-FLUOROPHENOL (SS#1)	1.284	1.307	-1.8			
96 #612 D5-PHENOL (SS#2)	1.562	1.476	5.9			
97 #447 D5-NITROBENZENE (SS#3)	0.594	0.461	22.4			
98 #448 2-FLUOROBIPHENYL (SS#4)	1.269	1.303	-2.7			
99 #628 2,4,6-TRIBROMOPHENOL (SS#5)	0.262	0.154	41.2			
*1 #471 D10-PYRENE (SS#6)	1.172	1.254	-7.0			
*1 #496 D14-TERPHENYL (SS#7)	1.099	1.076	1.7			

RF - RESPONSE FACTOR FROM DAILY  
 STANDARD AT CONCENTRATION  
 INDICATED  
 AVG RF - AVERAGE RESPONSE FACTOR  
 FROM INITIAL CALIERATION

XD - PERCENT DIFFERENCE  
 CCC - CALISATION CHECK COMPOUNDS (\*)  
 SPCC - SYSTEM PERFORMANCE CHECK  
 COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST6

PAGE 1

CASE NO:  
CONTRACTOR: COMPUchem  
CONTRACT NO:  
INSTRUMENT ID: 07  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/17/90  
TIME: 17:32  
STANDARD FILE ID: HG900517807  
MULTIPOINT DATE: 4/7/90  
MAXIMUM XD FOR CCC IS 25%

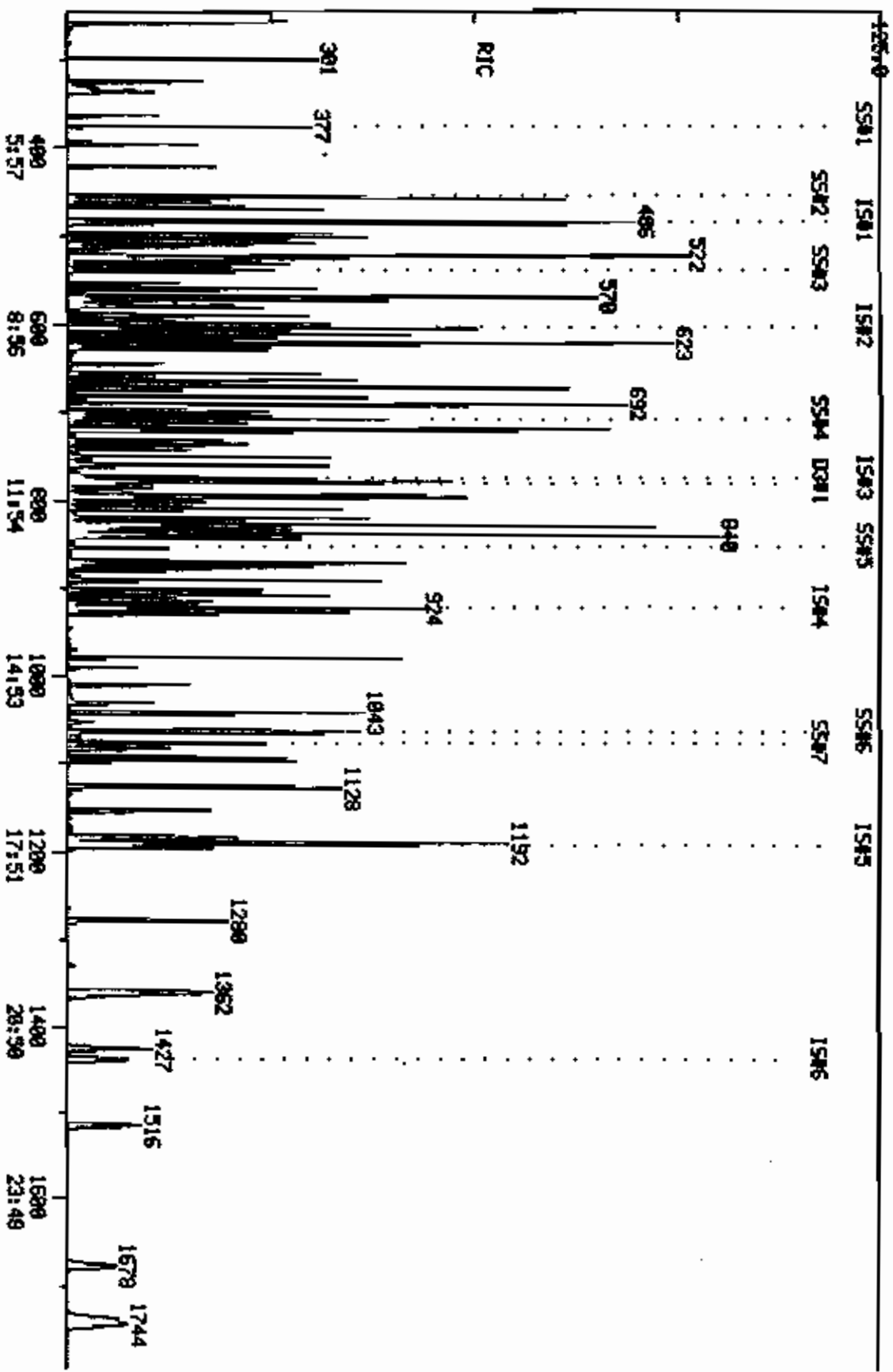
COMPOUND	AVG RF	RF ( 30)	XD	CCC	SPCC	P/F
2 604 4,6-DINITRO-2-METHYLPHENOL (G402)	0.126	0.163	-29.4			
3 443 N-NITROSODIPHENYLAMINE (G403)	0.620	0.772	-24.5	*		PASS
4 567 DIPHENYLAMINE (F303)	0.620	0.772	-24.5			
5 508 1,3,5-TRINITROBENZENE (Z9041)	0.096	0.101	-5.2			
6 539 PHENACETIN (Z9042)	0.503	0.485	3.6			
7 414 4-BROMOPHENYL PHENYL ETHER (G404)	0.271	0.233	14.0			
8 577 DIALLATE (TRANS ISOMER)	0.161	0.171	-6.2			
9 541 DIMETHOATE (Z9044)	0.150	0.168	-12.0			
10 433 HEXACHLOROBENZENE (G405)	0.374	0.291	22.2			
11 485 4-AMINOBIIPHENYL (Z9045)	0.675	0.608	9.9			
12 522 PRONAMIDE (Z9046)	0.424	0.397	6.4			
13 609 PENTACHLOROPHENOL (G406)	0.169	0.191	-13.0	*		PASS
14 453 PENTACHLORONITROBENZENE (Z9047)	0.169	0.104	38.5			
15 444 PHENANTHRENE (G407)	1.183	1.312	-10.9			
16 403 ANTHRACENE (G408)	1.096	1.158	-5.7			
17 426 DI-N-BUTYL PHTHALATE (G409)	1.698	1.644	3.2			
18 516 METHAPYRILENE (Z9048)	0.499	0.284	43.1			
19 549 CYCLOPHOSPHAMIDE (Z9049)	0.052	0.048	7.7			
20 431 FLUORANTHENE (G4010)	1.214	1.074	11.5	*		PASS
22 404 BENZIOINE (G502)	0.153	0.157	-2.6			
23 445 PYRENE (G503)	1.317	1.451	-10.2			
24 530 ARAMITE (Z9050)	0.135	0.132	2.2			
25 487 P-DIMETHYLAMINOAZOBENZENE (Z9051)	0.253	0.248	2.0			
26 523 CHLORO BENZILATE (Z9052)	0.794	0.766	3.5			
27 545 3,3'-DIMETHYLBENZIDINE (Z9053)	0.472	0.490	-3.8			
28 415 BUTYLBENZYL PHTHALATE (G504)	0.803	0.889	-10.7			
29 488 2-ACETYLAMINO FLUORENE (F502)	0.461	0.540	-17.1			
30 489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z	0.205	0.209	-2.0			
31 423 3,3'-DICHLORO BENZIDINE (G505)	0.301	0.300	0.3			
32 533 DIMETHOXYBENZIDINE (Z9057)	0.235	0.162	31.1			
33 413 BIS(2-ETHYLHEXYL) PHTHALATE (G507)	1.131	1.361	-20.3			
34 405 BENZO(A)ANTHRACENE (G506)	1.097	1.251	-14.0			
35 418 CHRYSENE (G508)	0.986	0.961	2.5			
37 429 DI-N-OCTYL PHTHALATE (G602)	1.843	2.016	-9.4	*		PASS
38 407 BENZO(B)FLUORANTHENE (G603)	0.907	1.241	-36.8			
39 517 7,12-DIMETHYLBENZANTHRACENE (Z9059)	0.570	0.421	26.1			
40 409 BENZO(K)FLUORANTHENE (G604)	0.907	0.433	52.3			
41 406 BENZO(A)PYRENE (G605)	1.092	0.976	10.6	*		PASS
42 565 3-METHYLCHLORANTHRENE (F602)	0.648	0.614	5.2			
43 566 OIBENZO(A,J)ACRIDINE	0.967	0.939	2.9			
44 437 INDENO(1,2,3-C)DIPYRENE (G606)	1.321	1.295	2.0			
45 419 DIBENZO(A,H)ANTHRACENE (G607)	1.106	1.078	2.5			
46 408 BENZO(G,H,I)PERYLENE (G608)	0.926	1.020	-10.2			
47 576 DIALLATE (CIS ISOMER)	0.210	0.171	18.6			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

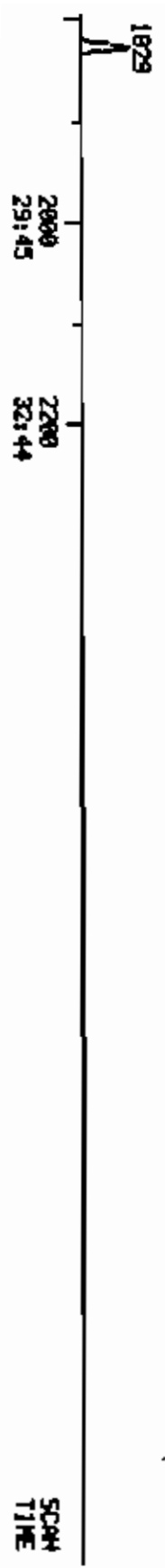
XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

RIC  
 05/17/98 17:32:00  
 SAMPLE: ZIL 0270 UER.111 5510859 31672(2387) DM#87  
 COND5.1  
 COMPUTED LABS  
 COMPUTED DATA: H0300517807 SQMS 245 TO 1795  
 OUT OF 245 TO 2200



COMPUCHEN LABS  
COMPUCHEN DATA: HC980517887 SCANS 1795 TO 2200  
OUT OF 245 TO 2200  
2759570.  
R1C  
05/17/98 17:32:00  
SAMPLE: ZIL 8270 UER.111 5STD050 31572(2387) DM087  
COND.S.1



QUANTITATION REPORT FILE: HG900517807  
DATA: HG900517807.TI  
05/17/90 17:32:00  
SAMPLE: 2UL 8270 VER. III SST050 31672(2387) DM#07  
CONDS.:  
SUBMITTED BY: 07 ANALYST: 1090

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (18#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 FORMALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 D8-NAPHTHALENE (15#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROSODIPYPERIDINE (Z9#14)
34	438 ISOPHORONE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZYL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLORDANILINE (Q2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (I9017) <122-09-8>
48	537 HEXACHLOROPROPENE (I9021) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2011) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (I9015) <87-61-6>
51	534 BENZOTRICHLORIDE (I9023) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (I9024) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2012) <59-50-7>
54	526 P-PHENYLENEDIAMINE (I9020) <108-45-2>
55	503 SAFROLE (I9027)
56	525 M-PHENYLENEDIAMINE (I9026) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2013) <91-57-6>
58	569 1-METHYLNAPHTHALENE (I2028) <90-12-0>
59	4495 D10-ACENAPHTHENE (I803)
60	457 1,2,4,5-TETRACHLOROBENZENE (I9031) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (I9029) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q302) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q303) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q304) <95-95-4>
65	527 ISOSAFROLE (I9030) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q305) <91-58-7>
67	564 1-CHLORONAPHTHALENE (P402)
68	436 1,2,3,4-TETRACHLOROBENZENE (I9028) <634-66-2>
69	478 2-NITROANILINE (Q306) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (I9032)
71	491 1,4-DINITROBENZENE (F302) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q307) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3015) <606-20-2>
74	402 ACENAPHTHYLENE (Q308) <208-96-8>
75	479 3-NITROANILINE (Q309) <99-09-2>
76	401 ACENAPHTHENE (Q3010) <83-32-9>
77	8605 2,4-DINITROPHENOL (Q3011) <51-28-4>
78	607 4-NITROPHENOL (Q3012) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3014) <121-14-2>
80	476 DIBENZOPURAN (Q3013) <132-64-9>
81	507 PENTACHLOROBENZENE (I9033)
82	484 2-NAPHTHYLAMINE (I9035)
83	483 1-NAPHTHYLAMINE (I9036)
84	630 2,3,4,6-TETRACHLOROPHENOL (I9037)
85	424 DIETHYL PHTHALATE (Q3016) <84-66-2>
86	519 ZINOPHOS (I9038)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3017) <7005-72-3>
88	432 FLUORENE (Q3018) <86-73-7>
89	480 4-NITROANILINE (Q3019) <100-01-6>
90	498 5-NITRO-D-TOLUIDINE (I9034)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (I9039)
92	447 D10-PHENANTHRENE (I804)
93	439 D12-CHRYSENE (I805)
94	497 D12-PERYLENE (I806)
95	8619 2-FLUOROPHENOL (8801)
96	8612 D5-PHENOL (8802)
97	8447 D5-NITROBENZENE (8803)
98	8448 2-FLUOROBIPHENYL (8804)
99	8628 2,4,6-TRIBROMOPHENOL (8805)
100	8471 D10-PYRENE (8806)
101	8496 D14-TERPHENYL (8807)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGHT)	AMOUNT	XTOT
1	152	485	7:13	1	1.000	A BB	223188.	40.000 NG	0.75
2	42	260	3:52	1	0.536	A BB	176388.	50.000 NG	0.94
3	77	260	3:52	1	0.536	A BB	339818.	50.000 NG	0.94
4	69	300	4:28	1	0.619	A BB	296068.	50.000 NG	0.94
5	89	301	4:29	1	0.621	A BB	74744.	50.000 NG	0.94
6	93	326	4:51	1	0.672	A BB	339864.	50.000 NG	0.94
7	88	338	5:02	1	0.697	A BB	308740.	200.000 NG	3.75
8	80	364	5:25	1	0.751	A BB	233664.	50.000 NG	0.94
9	102	397	5:54	1	0.819	A BB	175192.	50.000 NG	0.94
10	107	422	6:17	1	0.870	A BB	191600.	50.000 NG	0.94
11	94	456	6:47	1	0.940	A BB	509072.	50.000 NG	0.94
12	93	459	6:50	1	0.946	A BV	579048.	50.000 NG	0.94
13	167	459	6:50	1	0.946	A BB	163216.	50.000 NG	0.94
14	93	463	6:53	1	0.955	A VV	387136.	50.000 NG	0.94
15	128	469	6:59	1	0.967	A BB	420588.	50.000 NG	0.94
16	146	482	7:10	1	0.994	A BV	446848.	50.000 NG	0.94
17	91	487	7:15	1	1.004	A BB	761364.	50.000 NG	0.94
18	146	486	7:14	1	1.002	A VB	509948.	50.000 NG	0.94
19	108	498	7:24	1	1.027	A BV	224652.	50.000 NG	0.94
20	146	503	7:29	1	1.037	A BB	419876.	50.000 NG	0.94
21	108	509	7:34	1	1.049	A VB	339664.	50.000 NG	0.94
22	45	513	7:38	1	1.058	A BB	299396.	50.000 NG	0.94
23	108	522	7:46	1	1.076	A BV <sup>372546745092</sup>	100.002 NG	1.87	
24	108	522	7:46	1	1.076	A BV <sup>372566745092</sup>	100.002 NG	1.87	
25	100	523	7:47	1	1.078	A BB	190204.	50.000 NG	0.94
26	116	524	7:48	1	1.080	A BB	101364.	50.000 NG	0.94
27	105	523	7:47	1	1.078	A BB	562952.	50.000 NG	0.94
28	70	526	7:49	1	1.085	A BB	275716.	50.000 NG	0.94
29	106	527	7:50	1	1.087	A VB	360624.	50.000 NG	0.94
30	117	532	7:55	1	1.097	A BB	213720.	50.000 NG	0.94
31	136	604	8:59	31	1.000	A BB	675420.	40.000 NG	0.75
32	77	539	8:01	31	0.892	A BB	407248.	50.000 NG	0.94
33	114	533	8:14	31	0.916	A BB	178572.	50.000 NG	0.94
34	82	561	8:21	31	0.929	A BB	750540.	50.000 NG	0.94
35	107	571	8:30	31	0.945	A BV	420196.	50.000 NG	0.94
36	139	569	8:28	31	0.942	A BB	238972.	50.000 NG	0.94
37	180	570	8:29	31	0.944	A BB	360060.	50.000 NG	0.94
38	125	573	8:31	31	0.949	A BB	649560.	50.000 NG	0.94
39	122	579	8:37	31	0.959	A VV	183836.	50.000 NG	0.94
40	93	581	8:39	31	0.962	A BB	394332.	50.000 NG	0.94
41	162	591	8:47	31	0.978	A BB	268380.	50.000 NG	0.94
42	180	599	8:55	31	0.992	A BB	315288.	50.000 NG	0.94
43	128	606	9:01	31	1.003	A BV	1032230.	50.000 NG	0.94
44	127	612	9:06	31	1.013	A VB	421528.	50.000 NG	0.94
45	162	613	9:07	31	1.015	A BB	306896.	50.000 NG	0.94
46	108	604	8:59	31	1.000	A BB	110048.	50.000 NG	0.94
47	91	623	9:16	31	1.031	A BV	65968.	50.000 NG	0.94
48	213	617	9:11	31	1.022	A BB	194884.	50.000 NG	0.94
49	225	622	9:15	31	1.030	A BB	187816.	50.000 NG	0.94
50	180	623	9:16	31	1.031	A BB	317224.	50.000 NG	0.94
51	159	628	9:21	31	1.040	A BB	395948.	50.000 NG	0.94
52	84	645	9:36	31	1.068	A BB	135688.	50.000 NG	0.94
53	107	657	9:46	31	1.088	A BV	348896.	50.000 NG	0.94
54	108	657	9:46	31	1.088	A BB	27976.	50.000 NG	0.94
55	162	664	9:53	31	1.099	A BB	237376.	50.000 NG	0.94
56	108	664	9:53	31	1.099	A BB	628.	50.000 NG	0.94

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
57	142	672	10:00	31	1.113	A BB	846800.	50.000 NG	0.94
58	142	683	10:10	31	1.131	A BB	442708.	50.000 NG	0.94
59	164	776	11:33	59	1.000	A BB	353948.	40.000 NG	0.75
60	216	692	10:18	59	0.892	A BB	8407568148. <i>CE</i>	100.002 NG	1.87
61	216	692	10:18	59	0.892	A BB	8407568148. <i>CE</i>	100.002 NG	1.87
62	237	694	10:19	59	0.894	A BB	144056.	50.000 NG	0.94
63	196	701	10:26	59	0.903	A BV	187632.	50.000 NG	0.94
64	196	705	10:29	59	0.909	A VB	169980.	50.000 NG	0.94
65	162	713	10:36	59	0.919	A BB	216064.	50.000 NG	0.94
66	162	720	10:43	59	0.928	A BV	723892.	50.000 NG	0.94
67	162	723	10:43	59	0.932	A VB	409384.	50.000 NG	0.94
68	216	721	10:44	59	0.929	A BB	278392.	50.000 NG	0.94
69	69	732	10:53	59	0.943	A BB	178512.	50.000 NG	0.94
70	158	737	10:58	59	0.950	A BB	201476.	50.000 NG	0.94
71	168	743	11:03	59	0.957	A BB	110604.	50.000 NG	0.94
72	163	752	11:11	59	0.969	A BB	618036.	50.000 NG	0.94
73	163	759	11:17	59	0.978	A VB	147460.	50.000 NG	0.94
74	192	762	11:20	59	0.982	A BB	818060.	50.000 NG	0.94
75	138	772	11:29	59	0.995	A BV	163460.	50.000 NG	0.94
76	153	780	11:36	59	1.005	A BB	598564.	50.000 NG	0.94
77	184	782	11:38	59	1.008	A BB	75976.	50.000 NG	0.94
78	109	787	11:42	59	1.014	A VV	90164.	50.000 NG	0.94
79	165	797	11:51	59	1.027	A BB	222648.	50.000 NG	0.94
80	168	795	11:50	59	1.024	A BB	724644.	50.000 NG	0.94
81	250	797	11:51	59	1.027	A BB	236516.	50.000 NG	0.94
82	143	803	11:57	59	1.035	A VV	293448.	50.000 NG	0.94
83	143	810	12:03	59	1.044	A VB	323374.	50.000 NG	0.94
84	232	810	12:03	59	1.044	A BB	122628.	50.000 NG	0.94
85	149	821	12:13	59	1.058	A BV	693976.	50.000 NG	0.94
86	97	830	12:21	59	1.070	A BB	179720.	50.000 NG	0.94
87	204	828	12:19	59	1.067	A BB	291544.	50.000 NG	0.94
88	166	829	12:20	59	1.068	A BV	641644.	50.000 NG	0.94
89	138	833	12:23	59	1.073	A BV	161828.	50.000 NG	0.94
90	152	832	12:23	59	1.072	A BV	178616.	50.000 NG	0.94
91	77	844	12:33	59	1.088	A VB	859016.	50.000 NG	0.94
92	188	922	13:43	92	1.000	A BB	493928.	40.000 NG	0.75
93	240	1193	17:45	93	1.000	A VB	351772.	40.000 NG	0.75
94	264	1439	21:24	94	1.000	A BB	328664.	40.000 NG	0.75
95	112	377	5:36	1	0.777	A BB	364688.	50.000 NG	0.94
96	99	455	6:46	1	0.938	A BB	411788.	50.000 NG	0.94
97	82	538	8:00	31	0.891	A BB	389348.	50.000 NG	0.94
98	172	709	10:33	59	0.914	A BB	975760.	50.000 NG	0.94
99	330	854	12:42	59	1.101	A BB	67944.	50.000 NG	0.94
100	212	1064	19:50	93	0.892	A BB	991191.	50.000 NG	0.94
101	244	1078	16:02	93	0.904	A VB	472949.	50.000 NG	0.94

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:52	1.00	10.000	0.09	50.00	50.00	0.632	0.632	1.00
3	3:52	1.00	10.000	0.05	50.00	50.00	1.218	1.218	1.00
4	4:28	1.00	10.000	0.06	50.00	50.00	1.061	1.061	1.00
9	4:29	1.00	10.000	0.06	50.00	50.00	0.268	0.268	1.00
6	4:31	1.00	20.000	0.03	50.00	50.00	1.218	1.218	1.00
7	5:02	1.00	10.000	0.07	200.00	200.00	0.277	0.277	1.00
8	5:25	1.00	10.000	0.08	50.00	50.00	0.838	0.838	1.00
9	5:54	1.00	10.000	0.08	50.00	50.00	0.628	0.628	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:17	1.00	10.000	0.09	50.00	50.00	0.687	0.687	1.00
11	6:47	1.00	10.000	0.09	50.00	50.00	1.823	1.823	1.00
12	6:50	1.00	10.000	0.09	50.00	50.00	2.076	2.076	1.00
13	6:50	1.00	10.000	0.09	50.00	50.00	0.589	0.589	1.00
14	6:53	1.00	20.000	0.05	50.00	50.00	1.388	1.388	1.00
15	6:59	1.00	10.000	0.10	50.00	50.00	1.508	1.508	1.00
16	7:10	1.00	10.000	0.10	50.00	50.00	1.602	1.602	1.00
17	7:13	1.00	10.000	0.10	50.00	50.00	2.729	2.729	1.00
18	7:14	1.00	10.000	0.10	50.00	50.00	1.828	1.828	1.00
19	7:24	1.00	10.000	0.10	50.00	50.00	0.803	0.803	1.00
20	7:29	1.00	10.000	0.10	50.00	50.00	1.503	1.503	1.00
21	7:34	1.00	10.000	0.10	50.00	50.00	1.217	1.217	1.00
22	7:38	1.00	10.000	0.11	50.00	50.00	1.073	1.073	1.00
23	7:46	1.00	10.000	0.11	100.00	100.00	1.335	1.335	1.00
24	7:46	1.00	10.000	0.11	100.00	100.00	1.335	1.335	1.00
25	7:47	1.00	10.000	0.11	50.00	50.00	0.682	0.682	1.00
26	7:48	1.00	10.000	0.11	50.00	50.00	0.363	0.363	1.00
27	7:47	1.00	10.000	0.11	50.00	50.00	2.018	2.018	1.00
28	7:49	1.00	10.000	0.11	50.00	50.00	0.988	0.988	1.00
29	7:50	1.00	10.000	0.11	50.00	50.00	1.293	1.293	1.00
30	7:55	1.00	10.000	0.11	50.00	50.00	0.766	0.766	1.00
31	8:59	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	8:01	1.00	10.000	0.09	50.00	50.00	0.482	0.482	1.00
33	8:14	1.00	10.000	0.09	50.00	50.00	0.212	0.212	1.00
34	8:21	1.00	10.000	0.09	50.00	50.00	0.889	0.889	1.00
35	8:30	1.00	10.000	0.09	50.00	50.00	0.498	0.498	1.00
36	8:28	1.00	10.000	0.09	50.00	50.00	0.283	0.283	1.00
37	8:29	1.00	10.000	0.09	50.00	50.00	0.426	0.426	1.00
38	8:31	1.00	10.000	0.09	50.00	50.00	0.769	0.769	1.00
39	8:37	1.00	100.000	0.01	50.00	50.00	0.218	0.218	1.00
40	8:39	1.00	10.000	0.10	50.00	50.00	0.467	0.467	1.00
41	8:47	1.00	10.000	0.10	50.00	50.00	0.318	0.318	1.00
42	8:55	1.00	10.000	0.10	50.00	50.00	0.373	0.373	1.00
43	9:01	1.00	10.000	0.10	50.00	50.00	1.223	1.223	1.00
44	9:06	1.00	10.000	0.10	50.00	50.00	0.499	0.499	1.00
45	9:07	1.00	20.000	0.05	50.00	50.00	0.364	0.364	1.00
46	8:59	1.00	10.000	0.10	50.00	50.00	0.130	0.130	1.00
47	9:16	1.00	10.000	0.10	30.00	30.00	0.078	0.078	1.00
48	9:11	1.00	10.000	0.10	50.00	50.00	0.231	0.231	1.00
49	9:13	1.00	10.000	0.10	50.00	50.00	0.222	0.222	1.00
50	9:16	1.00	10.000	0.10	50.00	50.00	0.376	0.376	1.00
51	9:21	1.00	20.000	0.05	50.00	50.00	0.469	0.469	1.00
52	9:36	1.00	10.000	0.11	50.00	50.00	0.161	0.161	1.00
53	9:46	1.00	10.000	0.11	50.00	50.00	0.413	0.413	1.00
54	9:46	1.00	10.000	0.11	50.00	50.00	0.033	0.033	1.00
55	9:53	1.00	10.000	0.11	50.00	50.00	0.281	0.281	1.00
56	9:53	1.00	10.000	0.11	50.00	50.00	0.001	0.001	1.00
57	10:00	1.00	10.000	0.11	50.00	50.00	1.003	1.003	1.00
58	10:10	1.00	10.000	0.11	50.00	50.00	0.524	0.524	1.00
59	11:33	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:18	1.00	10.000	0.09	100.00	100.00	0.643	0.643	1.00
61	10:18	1.00	10.000	0.09	100.00	100.00	0.643	0.643	1.00
62	10:19	1.00	10.000	0.09	50.00	50.00	0.326	0.326	1.00
63	10:24	1.00	20.000	0.05	50.00	50.00	0.425	0.425	1.00
64	10:29	1.00	20.000	0.05	50.00	50.00	0.385	0.385	1.00
65	10:36	1.00	20.000	0.05	50.00	50.00	0.489	0.489	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:43	1.00	10.000	0.09	50.00	50.00	1.638	1.638	1.00
67	10:45	1.00	10.000	0.09	50.00	50.00	0.926	0.926	1.00
68	10:44	1.00	10.000	0.09	50.00	50.00	0.630	0.630	1.00
69	10:53	1.00	10.000	0.09	50.00	50.00	0.404	0.404	1.00
70	10:58	1.00	20.000	0.09	50.00	50.00	0.456	0.456	1.00
71	11:03	1.00	20.000	0.05	50.00	50.00	0.250	0.250	1.00
72	11:11	1.00	10.000	0.10	50.00	50.00	1.398	1.398	1.00
73	11:17	1.00	10.000	0.10	50.00	50.00	0.334	0.334	1.00
74	11:20	1.00	10.000	0.10	50.00	50.00	1.851	1.851	1.00
75	11:29	1.00	20.000	0.05	50.00	50.00	0.370	0.370	1.00
76	11:36	1.00	10.000	0.10	50.00	50.00	1.264	1.264	1.00
77	11:38	1.00	40.000	0.03	50.00	50.00	0.171	0.171	1.00
78	11:42	1.00	10.000	0.10	50.00	50.00	0.204	0.204	1.00
79	11:51	1.00	10.000	0.10	50.00	50.00	0.504	0.504	1.00
80	11:50	1.00	10.000	0.10	50.00	50.00	1.640	1.640	1.00
81	11:51	1.00	10.000	0.10	50.00	50.00	0.535	0.535	1.00
82	11:57	1.00	20.000	0.05	50.00	50.00	0.664	0.664	1.00
83	12:03	1.00	20.000	0.05	50.00	50.00	0.732	0.732	1.00
84	12:03	1.00	20.000	0.05	50.00	50.00	0.277	0.277	1.00
85	12:13	1.00	10.000	0.11	50.00	50.00	1.570	1.570	1.00
86	12:21	1.00	10.000	0.11	50.00	50.00	0.407	0.407	1.00
87	12:19	1.00	10.000	0.11	50.00	50.00	0.569	0.569	1.00
88	12:20	1.00	10.000	0.11	50.00	50.00	1.452	1.452	1.00
89	12:23	1.00	20.000	0.05	50.00	50.00	0.366	0.366	1.00
90	12:23	1.00	20.000	0.05	50.00	50.00	0.404	0.404	1.00
91	12:33	1.00	10.000	0.11	50.00	50.00	1.944	1.944	1.00
92	13:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:45	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:24	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:36	1.00	0.742	1.05	50.00	50.00	1.307	1.307	1.00
96	6:46	1.00	0.948	0.99	50.00	50.00	1.476	1.476	1.00
97	8:00	1.00	0.875	1.02	50.00	50.00	0.461	0.461	1.00
98	10:33	1.00	0.906	1.01	50.00	50.00	1.303	1.303	1.00
99	12:42	1.00	1.118	0.98	50.00	50.00	0.154	0.154	1.00
100	15:50	1.00	10.000	0.09	50.00	50.00	1.254	1.254	1.00
101	16:02	1.00	0.907	1.00	50.00	50.00	1.076	1.076	1.00

QUANTITATION REPORT FILE: H6900517807  
DATA: H6900517807.TI  
05/17/90 17:32:00  
SAMPLE: 2UL B270 VER. III SST0050 31672(2387) DN007  
COND8 :  
SUBMITTED BY: 07 ANALYST: 1090

AMOUNT=AREA \* REF.AMNT/(REF.AREA)\* RESP.PACT)  
RESP. PAC. FROM LIBRARY ENTRY

NO	NAME
1	*467 D10-PHENANTHRENE (I884)
2	604 4,6-DINITRO-2-METHYLPHENOL (0482) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (0483) <66-30-6>
4	567 DIPHENYLAMINE (P383)
5	308 1,3,5-TRINITROBENZENE (I9841)
6	539 PHENACETIN (I9842) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (0484) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (I9844)
10	433 HEXACHLOROBENZENE (0485) <118-74-1>
11	485 4-AMINOBIIPHENYL (I9845)
12	522 PRONAMIDE (I9846)
13	609 PENTACHLOROPHENOL (0486) <67-86-5>
14	453 PENTACHLORONITROBENZENE (I9847)
15	444 PNEANTHRENE (0487) <85-01-8>
16	403 ANTHRACENE (0488) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (0489) <84-74-2>
18	516 METHAPYRILENE (I9848)
19	349 CYCLOPHOSPHANIDE (I9849)
20	431 FLUORANTHENE (04910) <206-44-0>
21	*459 D12-CHRYSENE (I885)
22	404 BENZIOINE (0582) <92-87-5>
23	445 PYRENE (0583) <129-00-0>
24	530 ARAMITE (I9850) <140-37-4>
25	487 P-DIMETHYLAMINDAZOBENZENE (I9851)
26	523 CHLOROBENZILATE (I9852)
27	545 3,3'-DIMETHYLBENZIDINE (I9853)
28	415 BUTYLBENZYL PHTHALATE (0584) <85-68-7>
29	488 2-ACETYLAMIND FLUORENE (F582)
30	489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (I9854)
31	423 3,3'-DICHLOROBENZIDINE (0585) <91-94-1>
32	533 DIMETHOXYBENZIDINE (I9857)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (0587) <117-81-7>
34	405 BENZO(A)ANTHRACENE (0586) <56-55-3>
35	418 CHRYSENE (0588) <218-01-9>
36	*497 D12-PERYLENE (I886)
37	429 DI-N-OCTYL PHTHALATE (0682) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (0683) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (I9855)
40	409 BENZO(K)FLUORANTHENE (0684) <207-08-9>
41	406 BENZO(A)PYRENE (0685) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F682)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (0686) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (0687) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (0688) <191-24-2>

NO NAME  
47 576 DIALATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	188	922	13:43	1	1.000	A BB	493928.	40.000 NO	1.59
2	198	837	12:27	1	0.908	A BB	100624.	50.000 NO	1.98
3	169	840	12:30	1	0.911	A VB <sup>476171</sup>	952752. <sup>XC5</sup>	100.002 NO	3.97
4	169	840	12:30	1	0.911	A VB <sup>476176</sup>	952752.	100.002 NO	3.97
5	213	869	12:36	1	0.943	A BB	62192.	50.000 NO	1.98
6	108	872	12:38	1	0.946	A VB	299542.	50.000 NO	1.98
7	248	876	13:02	1	0.950	A BB	143796.	50.000 NO	1.98
8	234 <sup>171</sup>	880	13:05	1	0.954	A VB <sup>43852</sup>	52784.	25.000 NO	0.99
9	125	890	13:14	1	0.965	A VB	103560.	50.000 NO	1.98
10	284	891	13:15	1	0.966	A BB	179432.	50.000 NO	1.98
11	169	902	13:29	1	0.978	A VV	375256.	50.000 NO	1.98
12	173	910	13:32	1	0.987	A VB	245348.	50.000 NO	1.98
13	266	908	13:30	1	0.985	A BV	118208.	50.000 NO	1.98
14	237	916	13:38	1	0.993	A VB	64008.	50.000 NO	1.98
15	178	924	13:45	1	1.002	A BV	809771.	50.000 NO	1.98
16	178	929	13:49	1	1.008	A VB	714739.	50.000 NO	1.98
17	149	980	14:35	1	1.063	A VB	1014950.	50.000 NO	1.98
18	97	1011	15:02	1	1.097	A BB	175436.	50.000 NO	1.98
19	211	1031	15:20	1	1.118	A BV	117484.	200.000 NO	7.94
20	202	1043	15:31	1	1.131	A BV	662820.	50.000 NO	1.98
21	240	1193	17:45	21	1.000	A VB	351772.	40.000 NO	1.59
22	184	1054	15:41	21	0.883	A BV	69204.	50.000 NO	1.98
23	202	1066	15:51	21	0.894	A VV	637909.	50.000 NO	1.98
24	185	1076	16:00	21	0.902	A BV	57936.	50.000 NO	1.98
25	225	1094	16:16	21	0.917	A BB	109100.	50.000 NO	1.98
26	139	1098	16:20	21	0.920	A VB	336704.	50.000 NO	1.98
27	212	1126	16:45	21	0.944	A BB	215308.	50.000 NO	1.98
28	149	1128	16:47	21	0.946	A VV	390896.	50.000 NO	1.98
29	181	1154	17:10	21	0.967	A VB	237316.	50.000 NO	1.98
30	231	1185	17:38	21	0.993	A BB	91836.	50.000 NO	1.98
31	252	1186	17:39	21	0.994	A BB	132096.	50.000 NO	1.98
32	244	1183	17:36	21	0.992	A BB	71256.	50.000 NO	1.98
33	149	1192	17:44	21	0.999	A VB	598579.	50.000 NO	1.98
34	228	1191	17:43	21	0.998	A BV	550264.	50.000 NO	1.98
35	228	1196	17:47	21	1.003	A VB	422559.	50.000 NO	1.98
36	264	1439	21:24	36	1.000	A BB	328664.	40.000 NO	1.59
37	149	1280	19:02	36	0.890	A VB	828431.	50.000 NO	1.98
38	252	1360	20:14	36	0.945	A BV	510019.	50.000 NO	1.98
39	256	1362	20:16	36	0.946	A BB	173160.	50.000 NO	1.98
40	252	1364	20:17	36	0.948	A VB	177927.	50.000 NO	1.98
41	252	1427	21:14	36	0.992	A BV	400832.	50.000 NO	1.98
42	268	1516	22:33	36	1.054	A BB	252076.	50.000 NO	1.98
43	279	1678	24:58	36	1.166	A BB	385776.	50.000 NO	1.98
44	276	1737	25:50	36	1.207	A BB	532112.	50.000 NO	1.98
45	278	1745	25:57	36	1.213	A BB	442732.	50.000 NO	1.98
46	276	1829	27:12	36	1.271	A BB	418864.	50.000 NO	1.98
47	234	880	13:05	1	0.954	A VB	52784.	25.000 NO	0.99

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:27	1.00	30.000	0.03	50.00	50.00	0.163	0.163	1.00
3	12:30	1.00	10.000	0.09	100.00	100.00	0.772	0.772	1.00
4	12:30	1.00	10.000	0.09	100.00	100.00	0.772	0.772	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:56	1.00	20.000	0.05	50.00	50.00	0.101	0.101	1.00
6	12:58	1.00	10.000	0.09	50.00	50.00	0.485	0.485	1.00
7	13:02	1.00	10.000	0.10	50.00	50.00	0.233	0.233	1.00
8	13:05	1.00	10.000	0.10	25.00	25.00	0.171	0.171	1.00
9	13:14	1.00	10.000	0.10	50.00	50.00	0.168	0.168	1.00
10	13:15	1.00	10.000	0.10	50.00	50.00	0.291	0.291	1.00
11	13:25	1.00	10.000	0.10	50.00	50.00	0.608	0.608	1.00
12	13:32	1.00	10.000	0.10	50.00	50.00	0.397	0.397	1.00
13	13:30	1.00	20.000	0.05	50.00	50.00	0.191	0.191	1.00
14	13:38	1.00	10.000	0.10	50.00	50.00	0.104	0.104	1.00
15	13:45	1.00	10.000	0.10	50.00	50.00	1.312	1.312	1.00
16	13:49	1.00	10.000	0.10	50.00	50.00	1.158	1.158	1.00
17	14:35	1.00	10.000	0.11	50.00	50.00	1.644	1.644	1.00
18	15:02	1.00	20.000	0.05	50.00	50.00	0.284	0.284	1.00
19	15:20	1.00	50.000	0.02	200.00	200.00	0.048	0.048	1.00
20	15:31	1.00	10.000	0.11	50.00	50.00	1.074	1.074	1.00
21	17:45	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:41	1.00	10.000	0.09	30.00	50.00	0.157	0.157	1.00
23	15:51	1.00	10.000	0.09	50.00	50.00	1.451	1.451	1.00
24	16:00	1.00	20.000	0.05	50.00	50.00	0.132	0.132	1.00
25	16:16	1.00	10.000	0.09	50.00	50.00	0.248	0.248	1.00
26	16:20	1.00	10.000	0.09	50.00	50.00	0.766	0.766	1.00
27	16:45	1.00	20.000	0.05	50.00	50.00	0.490	0.490	1.00
28	16:47	1.00	10.000	0.09	50.00	50.00	0.889	0.889	1.00
29	17:10	1.00	10.000	0.10	50.00	50.00	0.540	0.540	1.00
30	17:38	1.00	10.000	0.10	50.00	50.00	0.209	0.209	1.00
31	17:39	1.00	10.000	0.10	50.00	50.00	0.300	0.300	1.00
32	17:36	1.00	10.000	0.10	50.00	50.00	0.162	0.162	1.00
33	17:44	1.00	10.000	0.10	50.00	50.00	1.361	1.361	1.00
34	17:43	1.00	10.000	0.10	50.00	50.00	1.251	1.251	1.00
35	17:47	1.00	10.000	0.10	50.00	50.00	0.961	0.961	1.00
36	21:24	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	19:02	1.00	10.000	0.09	50.00	50.00	2.016	2.016	1.00
38	20:14	1.00	10.000	0.09	50.00	50.00	1.241	1.241	1.00
39	20:16	1.00	10.000	0.09	50.00	50.00	0.421	0.421	1.00
40	20:17	1.00	10.000	0.09	50.00	50.00	0.433	0.433	1.00
41	21:14	1.00	10.000	0.10	50.00	50.00	0.976	0.976	1.00
42	22:33	1.00	10.000	0.11	50.00	50.00	0.614	0.614	1.00
43	24:58	1.00	10.000	0.12	50.00	50.00	0.939	0.939	1.00
44	25:50	1.00	10.000	0.12	50.00	50.00	1.295	1.295	1.00
45	25:57	1.00	10.000	0.12	50.00	50.00	1.078	1.078	1.00
46	27:12	1.00	10.000	0.13	50.00	50.00	1.020	1.020	1.00
47	13:05	1.00	10.000	0.10	25.00	25.00	0.171	0.171	1.00

1922

COMPUCHEN LABORATORIES, INC.  
GC/MS ANALYSIS LOG

SEMI-VOLATILE

INITIAL TIME OF TUNE 17:06 (a)  (b)  (c)   
TIME TUNE EXPIRES 05:06 DATE 5/12/90  
ANALYSR TYPE ST70 v. III

FILE NAME

PREVENTIVE MAINTENANCE DBU s/10/90

MAST, S, C, AND TIC

FILE NAME	DATE	TIME	EPA ID	CASE NO.	STD ID #	ANALYST	CHEMIST	COMMENTS (i.e. #s, Disposition, Etc.)
1 24900 5/12/90	5/17/90	17:06	24900		2357	1.01	1090	3444
2 18800 5/17/90	5/17/90	17:37	SS70000		201	1.01	1090	3472
3 610 39725807	5/17/90	20:05	584626		1.01	1090		6/6/90
4 610 39365807	5/17/90	20:48	D05201074	20199	1.01	1090		
5 610 39725807	5/17/90	22:15	584626		1.01	1090		
6 610 39365807	5/17/90	23:00	D03201074	20199	1.01	1090		
7 610 38409007	5/18/90	0:12	604512602	20171	1.01	917		2:1
8 640 39498007	5/18/90	2:24	584615		1.01	917		
9 680 37382007	5/18/90	3:08	73800102	20124	1.01	917		
10 680 37385007	5/18/90	3:54	73800106		1.01	917		
11 628 35510007	5/18/90	4:41	D05251000	15698	1.01	917		
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copied

VERIFIED Jim Pin  
SUPERVISOR APPROVAL Jim



CONTINUING CALIBRATION CHECK  
 MAST5

PAGE 1

CASE NO: \_\_\_\_\_  
 CONTRACTOR: COMPUCHEM  
 CONTRACT NO: \_\_\_\_\_  
 INSTRUMENT ID: 07  
 MINIMUM RF FOR SPCC IS 0.030

CALIBRATION DATE: 05/21/90  
 TIME: 5:29  
 STANDARD FILE ID: HH900521C07  
 MULTIPOINT DATE: 4/ 7/90  
 MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 30)	XD	CCC	SPCC	P/F
2 441 N-NITROBODIMETHYLAMINE (G102)	1.070	1.714	-60.2			
3 481 PYRIDINE (Z901)	1.098	1.539	-40.2			
4 509 ETHYLMETHACRYLATE (T104)	1.222	1.612	-31.9			
5 542 PARALDEHYDE (Z903)	0.295	0.349	-18.3			
6 510 2-PICOLINE (Z9056)	1.250	1.813	-29.0			
7 535 NITROSOMETHYLETHYLAMINE (Z904)	0.518	0.353	31.9			
8 543 METHYL METHANE SULFONATE (Z905)	1.185	1.051	11.3			
9 499 N-NITROSODIETHYLAMINE (Z906)	0.601	0.701	-16.6			
10 514 ETHYL METHANESULFONATE (Z907)	0.742	0.726	2.2			
11 610 PHENOL (G103)	1.748	2.085	-19.3	*		PASS
12 473 ANILINE (G104)	1.876	2.334	-24.4			
13 505 PENTACHLOROETHANE (Z908)	0.673	0.598	11.1			
14 411 BIS(2-CHLOROETHYL)ETHER (G105)	1.384	1.628	-17.6			
15 601 2-CHLOROPHENOL (G106)	1.430	1.507	-5.4			
16 421 1,3-DICHLOROBENZENE (G107)	1.640	1.684	-2.7			
17 506 BENZYL CHLORIDE (Z909)	3.249	3.222	0.8			
18 422 1,4-DICHLOROBENZENE (G108)	1.486	1.749	-17.7	*		PASS
19 474 BENZYL ALCOHOL (G109)	0.823	0.879	-6.8			
20 420 1,2-DICHLOROBENZENE (G1010)	1.480	1.624	-9.7			
21 620 2-METHYLPHENOL (G1011)	1.252	1.240	1.0			
22 412 BIS(2-CHLOROISOPROPYL)ETHER (G1012)	1.370	2.479	-80.9			
23 621 3-METHYLPHENOL (F102)	1.138	1.359	-19.4			
24 622 4-METHYLPHENOL (G1013)	1.138	1.359	-19.4			
25 528 N-NITROSOPYRROLIDINE (Z9010)	0.537	0.771	-43.6			
26 544 N-NITROSOMORPHOLINE (Z9012)	0.277	0.373	-34.7			
27 500 ACETOPHENONE (Z9011)	1.838	2.167	-17.9			
28 442 N-NITROSO-DI-N-PROPYLAMINE (G1014)	1.067	1.404	-31.6	**		PASS
29 512 O-TOLUIDINE HYDROCHLORIDE (Z9013)	1.466	1.637	-11.7			
30 436 HEXACHLOROETHANE (G1015)	0.927	0.820	11.5			
32 440 NITROBENZENE (G1016)	0.550	0.572	-4.0			
33 502 N-NITROBODIPYPERIDINE (Z9014)	0.196	0.198	-1.0			
34 438 ISOPHORONE (G202)	0.995	1.027	-3.2			
35 603 2,4-DIMETHYLPHENOL (G204)	0.472	0.503	-6.6			
36 606 2-NITROPHENOL (G203)	0.236	0.251	-6.4	*		PASS
37 451 1,3,5-TRICHLOROBENZENE (Z9022)	0.412	0.409	0.7			
38 518 BENZAL CHLORIDE (Z9016)	0.864	0.757	12.4			
39 625 BENZOIC ACID (G205)	0.135	0.224	-65.9			
40 410 BIS(2-CHLOROETHOXY)METHANE (G206)	0.494	0.492	0.4			
41 602 2,4-DICHLOROPHENOL (G207)	0.323	0.332	-2.8	*		PASS
42 446 1,2,4-TRICHLOROBENZENE (G208)	0.412	0.394	4.4			
43 439 NAPHTHALENE (G209)	1.195	1.254	-4.9			
44 475 4-CHLOROANILINE (G2010)	0.501	0.483	3.6			
45 631 2,6-DICHLOROPHENOL (Z9018)	0.348	0.359	-3.2			
46 524 O-PHENYLENEDIAMINE (Z9019)	0.153	0.122	20.3			

RF - RESPONSE FACTOR FROM DAILY  
 STANDARD AT CONCENTRATION  
 INDICATED  
 AVG RF - AVERAGE RESPONSE FACTOR  
 FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
 CCC - CALIBRATION CHECK COMPOUNDS (\*)  
 SPCC - SYSTEM PERFORMANCE CHECK  
 COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST9

PAGE 2

CASE NO: \_\_\_\_\_  
CONTRACTOR: COMPUCHEM  
CONTRACT NO: \_\_\_\_\_  
INSTRUMENT ID: 07  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/21/90  
TIME: 3:29  
STANDARD FILE ID: MH900521C07  
MULTIPOINT DATE: 4/7/90  
MAXIMUM %D FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	%D	CCC	SPCC	P/P
47 519 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (I9	0.036	0.143	-297.2			
48 337 HEXACHLOROPROPENE (I9#21)	0.228	0.214	6.1			
49 434 HEXACHLOROBUTADIENE (Q3#11)	0.295	0.224	24.1	*		PASS
50 430 1,2,3-TRICHLOROBENZENE (I9#15)	0.364	0.397	1.9			
51 534 BENIDTRICHLORIDE (I9#23)	0.548	0.452	17.5			
52 336 N-NITROSO-D[-N-BUTYLAMINE (I9#24)	0.318	0.189	40.6			
53 608 P-CHLORO-N-CREBOL (Q3#12)	0.447	0.456	-2.0	*		PASS
54 526 P-PHENYLENEDIAMINE (I9#20)	0.060	0.039	35.0			
59 503 SAFROLE (I9#27)	0.328	0.308	6.1			
56 529 M-PHENYLENEDIAMINE (I9#26)	0.073	0.043	41.1			
57 477 2-METHYLNAPHTHALENE (Q3#13)	1.015	1.096	-8.0			
58 369 1-METHYLNAPHTHALENE (I2#28)	0.494	0.549	-11.1			
60 457 1,2,4,5-TETRACHLOROBENZENE (I9#31)	0.673	0.584	13.2			
61 513 1,2,3,5-TETRACHLOROBENZENE (I9#29)	0.673	0.584	13.2			
62 435 HEXACHLOROCYCLOPENTADIENE (Q3#2)	0.152	0.258	-69.7		**	PASS
63 611 2,4,6-TRICHLOROPHENOL (Q3#3)	0.411	0.416	-1.2	*		PASS
64 626 2,4,5-TRICHLOROPHENOL (Q3#4)	0.416	0.359	13.7			
65 527 ISOSAFROLE (I9#30)	0.473	0.472	0.2			
66 416 2-CHLORONAPHTHALENE (Q3#5)	1.311	1.491	-13.7			
67 564 1-CHLORONAPHTHALENE (F4#2)	0.984	0.959	2.5			
68 456 1,2,3,4-TETRACHLOROBENZENE (I9#28)	0.661	0.604	8.6			
69 478 2-NITROANILINE (Q3#6)	0.464	0.552	-19.0			
70 504 1,4-NAPHTHOQUINONE (I9#32)	0.251	0.413	-64.5			
71 491 1,4-DINITROBENZENE (F3#2)	0.212	0.247	-16.9			
72 429 DIMETHYL PHTHALATE (Q3#7)	1.396	1.394	0.1			
73 428 2,6-DINITROTOLUENE (Q3#15)	0.307	0.339	-10.4			
74 402 ACENAPHTHYLENE (Q3#8)	1.747	1.784	-2.1			
75 479 3-NITROANILINE (Q3#9)	0.320	0.374	-16.9			
76 401 ACENAPHTHENE (Q3#10)	1.136	1.217	-7.1	*		PASS
77 6609 2,4-DINITROPHENOL (Q3#11)	0.118	0.164	-39.0		**	PASS
78 607 4-NITROPHENOL (Q3#12)	0.287	0.259	9.8		**	PASS
79 427 2,4-DINITROTOLUENE (Q3#14)	0.411	0.495	-20.4			
80 476 DIBENZOFURAN (Q3#13)	1.876	1.604	-1.8			
81 507 PENTACHLOROBENZENE (I9#33)	0.698	0.909	22.6			
82 484 2-NAPHTHYLAMINE (I9#35)	0.999	0.800	19.9			
83 483 1-NAPHTHYLAMINE (I9#36)	0.961	0.927	3.5			
84 630 2,3,4,6-TETRACHLOROPHENOL (I9#37)	0.318	0.286	10.1			
85 424 DIETHYL PHTHALATE (Q3#16)	1.624	1.910	7.0			
86 519 ZINOPHOS (I9#38)	0.432	0.423	2.1			
87 417 4-CHLOROPHENYL PHENYL ETHER (Q3#17)	0.609	0.569	6.6			
88 432 FLUDRENE (Q3#18)	1.239	1.367	-10.7			
89 480 4-NITROANILINE (Q3#19)	0.293	0.380	-29.7			
90 498 5-NITRO-O-TOLUIDINE (I9#34)	0.330	0.409	-23.9			
91 430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (I9	2.287	2.396	-4.8			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

%D - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
 MAST3

PAGE 3

CASE NO: \_\_\_\_\_  
 CONTRACTOR: COMPUCHEM  
 CONTRACT NO: \_\_\_\_\_  
 INSTRUMENT ID: 07  
 MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/21/90  
 TIME: 5:29  
 STANDARD FILE ID: HM900521C07  
 MULTIPOINT DATE: 4/7/90  
 MAXIMUM X0 FOR CCC IS 25%

COMPOUND	AVG RF	RF (50)	X0	CCC	SPCC	P/F
95 #619 2-FLUOROPHENOL (SS#1)	1.284	1.387	-8.0			
96 #612 D3-PHENOL (SS#2)	1.562	1.627	-4.2			
97 #447 D3-NITROBENZENE (SS#3)	0.594	0.547	7.9			
98 #448 2-FLUOROBIPHENYL (SS#4)	1.269	1.273	-0.3			
99 #628 2,4,6-TRIBROMOPHENOL (SS#5)	0.262	0.170	35.1			
*1 #471 D10-PYRENE (SS#6)	1.172	1.121	4.4			
*1 #496 D14-TERPHENYL (SS#7)	1.095	0.947	13.5			

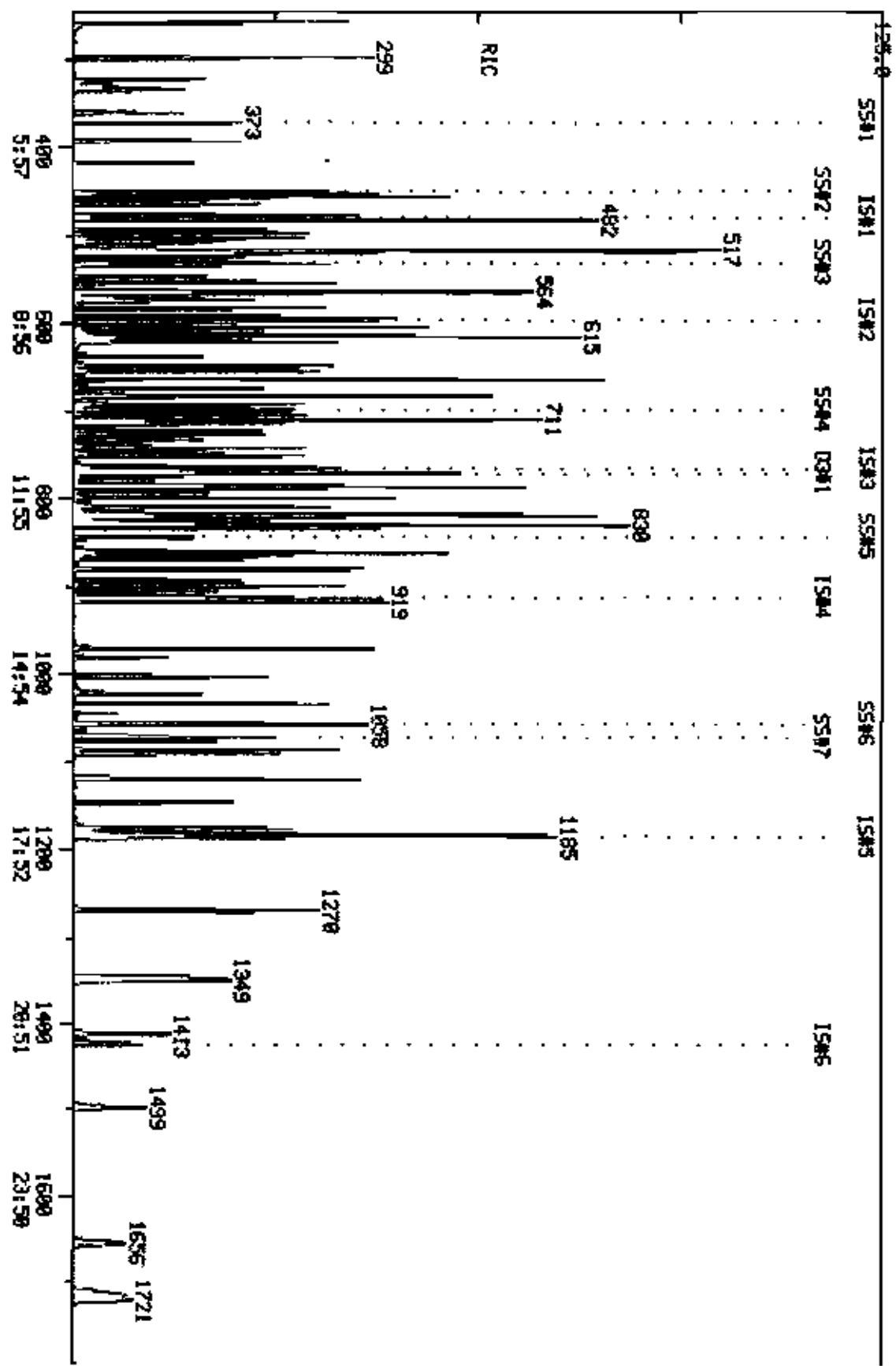
RF - RESPONSE FACTOR FROM DAILY  
 STANDARD AT CONCENTRATION  
 INDICATED  
 AVG RF - AVERAGE RESPONSE FACTOR  
 FROM INITIAL CALIBRATION

X0 - PERCENT DIFFERENCE  
 CCC - CALIBRATION CHECK COMPOUNDS (\*)  
 SPCC - SYSTEM PERFORMANCE CHECK  
 COMPOUNDS (\*\*)

(V4)

RIC  
 05/21/98 5:29:00  
 SAMPLE 2 UL 50-NC 0270 STD LOT#31672 (2387)  
 COND5.4

COMPUTHER LABS  
 COMPUTHER DATA H-900821087 SCANS 244 TO 1794  
 OUT OF 244 TO 1999



RLC  
05/21/90 5:29:00  
SAMPLE: 2 UL 50-AC 6270 STD LOTR01672 (2387)  
COND.S: 1

COMPUCHEN LABS  
COMPUCHEN DATAI HHS00521087 SCANS 1794 TO 1999  
OUT OF 244 TO 1999  
1691910.

SCAN  
TIME

QUANTITATION REPORT FILE: HM900321C07  
DATA: HM900321C07.TI  
05/21/90 5:29:00  
SAMPLE: 2 UL 50-NG B270 STD LOT#31672 (2387)  
COND5.:  
SUBMITTED BY: 07 ANALYST: 917

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROSODIMETHYLAMINE (Q102) <62-75-9>
3	481 PYRIDINE (Z901)
4	509 ETHYLMETHACRYLATE (T104)
5	542 PARALDEHYDE (Z903)
6	510 2-PICOLINE (Z9056)
7	535 NITROSOMETHYLETHYLAMINE (Z904) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z905) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z906)
10	514 ETHYL METHANESULFONATE (Z907) <62-90-0>
11	610 PHENOL (Q103) <108-95-2>
12	473 ANILINE (Q104) <62-53-3>
13	505 PENTACHLOROETHANE (Z908)
14	411 BIS(2-CHLOROETHYL)ETHER (Q105) <111-44-4>
15	601 2-CHLOROPHENOL (Q106) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q107) <541-73-1>
17	506 BENZYL CHLORIDE (Z909)
18	422 1,4-DICHLOROBENZENE (Q108) <106-46-7>
19	474 BENZYL ALCOHOL (Q109) <100-91-6>
20	420 1,2-DICHLOROBENZENE (Q1010) <95-50-1>
21	620 2-METHYLPHENOL (Q1011) <95-49-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1012) <39638-32-9>
23	621 3-METHYLPHENOL (F102) <108-39-4>
24	622 4-METHYLPHENOL (Q1013) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9010) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9012) <59-89-2>
27	500 ACETOPHENONE (Z9011)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1014) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9013)
30	436 HEXACHLOROETHANE (Q1015) <67-72-1>
31	*460 D8-NAPHTHALENE (I802)
32	440 NITROBENZENE (Q1016) <98-95-3>
33	502 N-NITROSODIPIPERIDINE (Z9014)
34	438 ISOPHORONE (Q202) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q204) <105-67-9>
36	606 2-NITROPHENOL (Q203) <88-79-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9022) <180-20-3>
38	518 BENZAL CHLORIDE (Z9016) <98-87-3>
39	625 BENZOIC ACID (Q205) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q206) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q207) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q208) <120-82-1>
43	439 NAPHTHALENE (Q209) <91-20-3>
44	475 4-CHLOROANILINE (Q210) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9018)
46	524 O-PHENYLENEDIAMINE (Z9019) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (I9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (I9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (G2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (I9#19) <87-61-6>
51	534 BENZOTRICHLORIDE (I9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (I9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (G2#12) <99-50-7>
54	526 P-PHENYLENEDIAMINE (I9#20) <108-45-2>
55	503 BAFROLE (I9#27)
56	525 M-PHENYLENEDIAMINE (I9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (G2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*499 D10-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (I9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (I9#29) <634-90-2>
62	439 HEXACHLOROCYCLOPENTADIENE (G3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (G3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (G3#4) <95-95-4>
65	527 ISOSAFROLE (I9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (G3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (I9#28) <634-66-2>
69	478 2-NITROANILINE (G3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (I9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (G3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (G3#15) <606-20-2>
74	402 ACENAPHTHYLENE (G3#8) <208-96-8>
75	479 3-NITROANILINE (G3#9) <99-09-2>
76	401 ACENAPHTHENE (G3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (G3#11) <91-28-4>
78	607 4-NITROPHENOL (G3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (G3#14) <121-14-2>
80	476 DIBENZOFURAN (G3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (I9#33)
82	484 2-NAPHTHYLAMINE (I9#35)
83	483 1-NAPHTHYLAMINE (I9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (I9#37)
85	424 DIETHYL PHTHALATE (G3#16) <84-66-2>
86	519 ZINOPHOS (I9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (G3#17) <7005-72-3>
88	432 FLUORENE (G3#18) <86-73-7>
89	480 4-NITROANILINE (G3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (I9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (I9#39)
92	*467 010-PHENANTHRENE (I8#4)
93	*499 D12-CHRYSENE (I8#5)
94	*497 D12-PERYLENE (I8#6)
95	*619 2-FLUOROPHENOL (S8#1)
96	*612 D5-PHENOL (S8#2)
97	*447 D5-NITROBENZENE (S8#3)
98	B448 2-FLUOROBIPHENYL (S8#4)
99	*628 2,4,6-TRIBROMOPHENOL (S8#5)
100	*471 D10-PYRENE (S8#6)
101	*496 D14-TERPHENYL (S8#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	192	480	7:09	1	1.000	A BB	97340.	40.000 NG	0.75
2	42	299	3:51	1	0.540	A BB	208496.	50.000 NG	0.94
3	77	299	3:51	1	0.540	A BB	187296.	50.000 NG	0.94
4	69	298	4:26	1	0.621	A BB	196148.	50.000 NG	0.94
5	89	299	4:27	1	0.623	A BB	42464.	50.000 NG	0.94
6	93	323	4:49	1	0.673	A BB	196264.	50.000 NG	0.94
7	88	335	4:59	1	0.698	A BB	171940.	200.000 NG	3.75
8	80	361	5:23	1	0.792	A BB	127820.	50.000 NG	0.94
9	102	393	5:51	1	0.819	A BB	85248.	50.000 NG	0.94
10	109	418	6:14	1	0.871	A BB	88280.	50.000 NG	0.94
11	94	451	6:43	1	0.940	A BV	253716.	50.000 NG	0.94
12	93	454	6:46	1	0.946	A BV	283940.	50.000 NG	0.94
13	167	455	6:47	1	0.948	A BB	72720.	50.000 NG	0.94
14	93	459	6:50	1	0.956	A VV	198112.	50.000 NG	0.94
15	128	464	6:55	1	0.967	A BB	183400.	50.000 NG	0.94
16	146	477	7:06	1	0.994	A BV	204868.	50.000 NG	0.94
17	91	482	7:11	1	1.004	A BB	392068.	50.000 NG	0.94
18	146	482	7:11	1	1.004	A VB	212780.	50.000 NG	0.94
19	108	494	7:21	1	1.029	A BV	106892.	50.000 NG	0.94
20	146	499	7:26	1	1.040	A BB	197636.	50.000 NG	0.94
21	108	504	7:30	1	1.050	A BB	150916.	50.000 NG	0.94
22	45	508	7:34	1	1.058	A BB	301648.	50.000 NG	0.94
23	108	517	7:42	1	1.077	A BV <sup>65396</sup>	330772	100.002 NG	1.87
24	108	517	7:42	1	1.077	A BV <sup>165386</sup>	330772	100.002 NG	1.87
25	100	518	7:43	1	1.079	A BB	93780.	50.000 NG	0.94
26	116	519	7:44	1	1.081	A BB	45404.	50.000 NG	0.94
27	109	518	7:43	1	1.079	A BB	263700.	50.000 NG	0.94
28	70	520	7:45	1	1.083	A BB	170860.	50.000 NG	0.94
29	106	522	7:46	1	1.087	A BB	199136.	50.000 NG	0.94
30	117	526	7:50	1	1.096	A BB	99724.	50.000 NG	0.94
31	136	597	8:53	31	1.000	A BB	329224.	40.000 NG	0.75
32	77	534	7:57	31	0.894	A BB	239368.	50.000 NG	0.94
33	114	547	8:09	31	0.916	A BB	81616.	50.000 NG	0.94
34	82	555	8:16	31	0.930	A BB	422716.	50.000 NG	0.94
35	107	565	8:25	31	0.946	A BB	206860.	50.000 NG	0.94
36	139	563	8:23	31	0.943	A BB	103320.	50.000 NG	0.94
37	180	564	8:24	31	0.945	A BB	168472.	50.000 NG	0.94
38	125	566	8:26	31	0.948	A BB	311408.	50.000 NG	0.94
39	122	573	8:32	31	0.960	A VB	92024.	50.000 NG	0.94
40	93	574	8:33	31	0.961	A BB	202652.	50.000 NG	0.94
41	162	584	8:42	31	0.978	A BB	136560.	50.000 NG	0.94
42	180	593	8:50	31	0.993	A BB	161964.	50.000 NG	0.94
43	128	599	8:55	31	1.003	A BB	515856.	50.000 NG	0.94
44	127	604	9:00	31	1.012	A BB	198944.	50.000 NG	0.94
45	162	605	9:01	31	1.013	A BB	147596.	50.000 NG	0.94
46	108	597	8:53	31	1.000	A BB	50180.	50.000 NG	0.94
47	91	617	9:11	31	1.034	A VB	58971.	50.000 NG	0.94
48	213	610	9:05	31	1.022	A BB	87888.	50.000 NG	0.94
49	225	615	9:10	31	1.030	A BB	92165.	50.000 NG	0.94
50	180	615	9:10	31	1.030	A BB	146988.	50.000 NG	0.94
51	159	621	9:15	31	1.040	A BB	185956.	50.000 NG	0.94
52	84	638	9:30	31	1.069	A BB	77756.	50.000 NG	0.94
53	107	649	9:40	31	1.087	A BV	187836.	50.000 NG	0.94
54	108	649	9:40	31	1.087	A VV	16020.	50.000 NG	0.94
55	162	653	9:45	31	1.097	A BB	126552.	50.000 NG	0.94
56	108	656	9:46	31	1.099	A VB	17512.	50.000 NG	0.94



NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	ZTOT
57	142	664	9:53	31	1.112	A BB	451088.	50.000 NG	0.94
58	142	674	10:02	31	1.129	A BB	226128.	50.000 NG	0.94
59	164	767	11:25	59	1.000	A BB	197492.	40.000 NG	0.75
60	216	683	10:10	59	0.890	A BB	288344.	100.002 NG	1.87
61	216	683	10:10	59	0.890	A BB	288344.	100.002 NG	1.87
62	237	686	10:13	59	0.894	A BB	63624.	50.000 NG	0.94
63	196	693	10:19	59	0.904	A BV	102584.	50.000 NG	0.94
64	196	696	10:22	59	0.907	A VB	88640.	50.000 NG	0.94
65	162	709	10:30	59	0.919	A BB	116568.	50.000 NG	0.94
66	162	711	10:33	59	0.927	A BV	368056.	50.000 NG	0.94
67	162	714	10:38	59	0.931	A VB	236856.	50.000 NG	0.94
68	216	712	10:36	59	0.928	A BB	149208.	50.000 NG	0.94
69	65	723	10:46	59	0.943	A BB	136380.	50.000 NG	0.94
70	158	728	10:51	59	0.949	A BB	101920.	50.000 NG	0.94
71	168	734	10:56	59	0.957	A BB	60992.	50.000 NG	0.94
72	163	743	11:04	59	0.969	A BB	344068.	50.000 NG	0.94
73	165	750	11:10	59	0.978	A VB	83696.	50.000 NG	0.94
74	152	752	11:12	59	0.980	A BB	440368.	50.000 NG	0.94
75	138	763	11:22	59	0.995	A BB	92444.	50.000 NG	0.94
76	153	770	11:28	59	1.004	A BB	300388.	50.000 NG	0.94
77	184	773	11:31	59	1.008	A BB	40472.	50.000 NG	0.94
78	109	777	11:34	59	1.013	A VV	63940.	50.000 NG	0.94
79	165	788	11:44	59	1.027	A BB	122320.	50.000 NG	0.94
80	168	785	11:41	59	1.023	A BB	395900.	50.000 NG	0.94
81	250	788	11:44	59	1.027	A BB	125600.	50.000 NG	0.94
82	143	793	11:49	59	1.034	A VV	197604.	50.000 NG	0.94
83	143	800	11:55	59	1.043	A VB	228736.	50.000 NG	0.94
84	232	801	11:56	59	1.044	A BB	70580.	50.000 NG	0.94
85	149	811	12:05	59	1.057	A BB	372880.	50.000 NG	0.94
86	97	820	12:13	59	1.069	A BB	104448.	50.000 NG	0.94
87	204	818	12:11	59	1.066	A BB	140588.	50.000 NG	0.94
88	166	819	12:12	59	1.068	A BB	337412.	50.000 NG	0.94
89	138	823	12:19	59	1.073	A BV	93744.	50.000 NG	0.94
90	152	822	12:15	59	1.072	A BV	100912.	50.000 NG	0.94
91	77	834	12:25	59	1.087	A VB	591509.	50.000 NG	0.94
92	188	912	13:39	92	1.000	A BB	289104.	40.000 NG	0.75
93	240	1185	17:39	93	1.000	A BB	245404.	40.000 NG	0.75
94	264	1424	21:12	94	1.000	A BB	202284.	40.000 NG	0.75
95	112	373	5:33	1	0.777	A BB	168800.	50.000 NG	0.94
96	99	450	6:42	1	0.938	A BB	197968.	50.000 NG	0.94
97	82	532	7:55	31	0.891	A BB	225048.	50.000 NG	0.94
98	172	700	10:26	59	0.913	A BB	314348.	50.000 NG	0.94
99	330	844	12:34	59	1.100	A BB	42024.	50.000 NG	0.94
100	212	1056	15:44	93	0.891	A BB	343796.	50.000 NG	0.94
101	244	1071	15:57	93	0.904	A VB	290644.	50.000 NG	0.94

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:09	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:51	1.00	10.000	0.05	50.00	50.00	1.714	1.714	1.00
3	3:31	1.00	10.000	0.05	50.00	50.00	1.539	1.539	1.00
4	4:26	1.00	10.000	0.06	50.00	50.00	1.612	1.612	1.00
5	4:27	1.00	10.000	0.06	50.00	50.00	0.349	0.349	1.00
6	4:49	1.00	20.000	0.03	50.00	50.00	1.613	1.613	1.00
7	4:59	1.00	10.000	0.07	200.00	200.00	0.353	0.353	1.00
8	5:23	1.00	10.000	0.08	50.00	50.00	1.051	1.051	1.00
9	5:51	1.00	10.000	0.08	50.00	50.00	0.701	0.701	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:14	1.00	10.000	0.09	50.00	50.00	0.726	0.726	1.00
11	6:43	1.00	10.000	0.09	50.00	50.00	2.085	2.085	1.00
12	6:46	1.00	10.000	0.09	50.00	50.00	2.334	2.334	1.00
13	6:47	1.00	10.000	0.09	50.00	50.00	0.598	0.598	1.00
14	6:50	1.00	20.000	0.05	50.00	50.00	1.628	1.628	1.00
15	6:55	1.00	10.000	0.10	50.00	50.00	1.507	1.507	1.00
16	7:06	1.00	10.000	0.10	50.00	50.00	1.684	1.684	1.00
17	7:11	1.00	10.000	0.10	50.00	50.00	3.222	3.222	1.00
18	7:11	1.00	10.000	0.10	50.00	50.00	1.749	1.749	1.00
19	7:21	1.00	10.000	0.10	50.00	50.00	0.879	0.879	1.00
20	7:26	1.00	10.000	0.10	50.00	50.00	1.624	1.624	1.00
21	7:30	1.00	10.000	0.11	50.00	50.00	1.240	1.240	1.00
22	7:34	1.00	10.000	0.11	50.00	50.00	2.479	2.479	1.00
23	7:42	1.00	10.000	0.11	100.00	100.00	1.359	1.359	1.00
24	7:42	1.00	10.000	0.11	100.00	100.00	1.359	1.359	1.00
25	7:43	1.00	10.000	0.11	50.00	50.00	0.771	0.771	1.00
26	7:44	1.00	10.000	0.11	50.00	50.00	0.373	0.373	1.00
27	7:43	1.00	10.000	0.11	50.00	50.00	2.167	2.167	1.00
28	7:45	1.00	10.000	0.11	50.00	50.00	1.404	1.404	1.00
29	7:46	1.00	10.000	0.11	50.00	50.00	1.637	1.637	1.00
30	7:50	1.00	10.000	0.11	50.00	50.00	0.820	0.820	1.00
31	8:53	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:57	1.00	10.000	0.09	50.00	50.00	0.572	0.572	1.00
33	8:09	1.00	10.000	0.09	50.00	50.00	0.198	0.198	1.00
34	8:16	1.00	10.000	0.09	50.00	50.00	1.027	1.027	1.00
35	8:25	1.00	10.000	0.09	50.00	50.00	0.503	0.503	1.00
36	8:23	1.00	10.000	0.09	50.00	50.00	0.251	0.251	1.00
37	8:24	1.00	10.000	0.09	50.00	50.00	0.409	0.409	1.00
38	8:26	1.00	10.000	0.09	50.00	50.00	0.757	0.757	1.00
39	8:32	1.00	100.000	0.01	50.00	50.00	0.224	0.224	1.00
40	8:33	1.00	10.000	0.10	50.00	50.00	0.492	0.492	1.00
41	8:42	1.00	10.000	0.10	50.00	50.00	0.332	0.332	1.00
42	8:50	1.00	10.000	0.10	50.00	50.00	0.394	0.394	1.00
43	8:55	1.00	10.000	0.10	50.00	50.00	1.254	1.254	1.00
44	9:00	1.00	10.000	0.10	50.00	50.00	0.483	0.483	1.00
45	9:01	1.00	20.000	0.05	50.00	50.00	0.359	0.359	1.00
46	8:53	1.00	10.000	0.10	50.00	50.00	0.122	0.122	1.00
47	9:11	1.00	10.000	0.10	50.00	50.00	0.143	0.143	1.00
48	9:05	1.00	10.000	0.10	50.00	50.00	0.214	0.214	1.00
49	9:10	1.00	10.000	0.10	50.00	50.00	0.224	0.224	1.00
50	9:10	1.00	10.000	0.10	50.00	50.00	0.357	0.357	1.00
51	9:15	1.00	20.000	0.05	50.00	50.00	0.452	0.452	1.00
52	9:30	1.00	10.000	0.11	50.00	50.00	0.189	0.189	1.00
53	9:40	1.00	10.000	0.11	50.00	50.00	0.456	0.456	1.00
54	9:40	1.00	10.000	0.11	50.00	50.00	0.039	0.039	1.00
55	9:49	1.00	10.000	0.11	50.00	50.00	0.308	0.308	1.00
56	9:46	1.00	10.000	0.11	50.00	50.00	0.043	0.043	1.00
57	9:53	1.00	10.000	0.11	50.00	50.00	1.096	1.096	1.00
58	10:02	1.00	10.000	0.11	50.00	50.00	0.549	0.549	1.00
59	11:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:10	1.00	10.000	0.09	100.00	100.00	0.584	0.584	1.00
61	10:10	1.00	10.000	0.09	100.00	100.00	0.584	0.584	1.00
62	10:13	1.00	10.000	0.09	50.00	50.00	0.298	0.298	1.00
63	10:19	1.00	20.000	0.05	50.00	50.00	0.416	0.416	1.00
64	10:22	1.00	20.000	0.05	50.00	50.00	0.359	0.359	1.00
65	10:30	1.00	20.000	0.05	50.00	50.00	0.472	0.472	1.00

NO	RET(L)	RATIO	RRT(L)	RATID	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATID
66	10:35	1.00	10.000	0.09	50.00	50.00	1.491	1.491	1.00
67	10:38	1.00	10.000	0.09	50.00	50.00	0.959	0.959	1.00
68	10:36	1.00	10.000	0.09	50.00	50.00	0.604	0.604	1.00
69	10:46	1.00	10.000	0.09	50.00	50.00	0.552	0.552	1.00
70	10:51	1.00	20.000	0.05	50.00	50.00	0.413	0.413	1.00
71	10:56	1.00	20.000	0.05	50.00	50.00	0.247	0.247	1.00
72	11:04	1.00	10.000	0.10	50.00	50.00	1.394	1.394	1.00
73	11:10	1.00	10.000	0.10	50.00	50.00	0.339	0.339	1.00
74	11:12	1.00	10.000	0.10	50.00	50.00	1.784	1.784	1.00
75	11:22	1.00	20.000	0.05	50.00	50.00	0.374	0.374	1.00
76	11:28	1.00	10.000	0.10	50.00	50.00	1.217	1.217	1.00
77	11:31	1.00	40.000	0.03	50.00	50.00	0.164	0.164	1.00
78	11:34	1.00	10.000	0.10	50.00	50.00	0.259	0.259	1.00
79	11:44	1.00	10.000	0.10	50.00	50.00	0.495	0.495	1.00
80	11:41	1.00	10.000	0.10	50.00	50.00	1.604	1.604	1.00
81	11:44	1.00	10.000	0.10	50.00	50.00	0.909	0.909	1.00
82	11:49	1.00	20.000	0.05	50.00	50.00	0.800	0.800	1.00
83	11:55	1.00	20.000	0.05	50.00	50.00	0.927	0.927	1.00
84	11:56	1.00	20.000	0.05	50.00	50.00	0.286	0.286	1.00
85	12:05	1.00	10.000	0.11	50.00	50.00	1.510	1.510	1.00
86	12:13	1.00	10.000	0.11	50.00	50.00	0.423	0.423	1.00
87	12:11	1.00	10.000	0.11	50.00	50.00	0.569	0.569	1.00
88	12:12	1.00	10.000	0.11	50.00	50.00	1.367	1.367	1.00
89	12:15	1.00	20.000	0.05	50.00	50.00	0.380	0.380	1.00
90	12:19	1.00	20.000	0.05	50.00	50.00	0.409	0.409	1.00
91	12:25	1.00	10.000	0.11	50.00	50.00	2.396	2.396	1.00
92	13:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:39	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:12	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:33	1.00	0.742	1.05	50.00	50.00	1.387	1.387	1.00
96	6:42	1.00	0.948	0.99	50.00	50.00	1.627	1.627	1.00
97	7:55	1.00	0.875	1.02	50.00	50.00	0.547	0.547	1.00
98	10:26	1.00	0.906	1.01	50.00	50.00	1.273	1.273	1.00
99	12:34	1.00	1.118	0.98	50.00	50.00	0.170	0.170	1.00
100	15:44	1.00	10.000	0.09	50.00	50.00	1.121	1.121	1.00
101	15:57	1.00	0.907	1.00	50.00	50.00	0.947	0.947	1.00

CONTINUING CALIBRATION CHECK  
MASTA

PAGE

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 07  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/21/90  
TIME: 5:29  
STANDARD FILE ID: HH900521C07  
MULTIPOINT DATE: 4/7/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF (50)	XD	CCC	SPCC	P/F
2 604 4,6-DINITRO-2-METHYLPHENOL (G482)	0.126	0.143	-13.5			
3 443 N-NITROSODIPHENYLAMINE (G483)	0.620	0.751	-21.1	*		PASS
4 567 DIPHENYLAMINE (F383)	0.620	0.751	-21.1			
5 508 1,3,5-TRINITROBENZENE (Z9841)	0.096	0.102	-6.2			
6 339 PHENACETIN (Z9842)	0.503	0.547	-8.7			
7 414 4-BROMOPHENYL PHENYL ETHER (G484)	0.271	0.229	19.5			
8 577 DIALLATE (TRANS ISOMER)	0.161	0.131	18.6			
9 541 DIMETHOATE (Z9844)	0.150	0.174	-16.0			
10 433 NEXACHLOROBENZENE (G485)	0.374	0.291	22.2			
11 485 4-AMINOBIIPHENYL (Z9845)	0.675	0.735	-8.9			
12 522 PRONAMIDE (Z9846)	0.424	0.378	10.8			
13 609 PENTACHLOROPHENOL (G486)	0.169	0.191	-13.0	*		PASS
14 453 PENTACHLORONITROBENZENE (Z9847)	0.169	0.083	50.9			
15 444 PHENANTHRENE (G487)	1.183	1.283	-8.5			
16 403 ANTHRACENE (G488)	1.096	1.124	-2.6			
17 426 DI-N-BUTYL PHTHALATE (G489)	1.698	1.587	6.5			
18 516 METHAPYRILENE (Z9848)	0.499	0.452	9.4			
19 549 CYCLOPHOSPHANIDE (Z9849)	0.052	0.059	-13.5			
20 431 FLUORANTHENE (G4810)	1.214	1.104	9.1	*		PASS
22 404 BENZIDINE (G582)	0.153	0.190	-24.2			
23 445 PYRENE (G583)	1.317	1.349	-2.4			
24 530 ARAMITE (Z9850)	0.135	0.128	5.2			
25 487 P-DIMETHYLAMINOAZOBENZENE (Z9851)	0.253	0.209	5.5			
26 523 CHLOROBENZILATE (Z9852)	0.794	0.699	12.0			
27 545 3,3'-DIMETHYLBENZIDINE (Z9853)	0.472	0.499	-4.9			
28 415 BUTYLBENZYL PHTHALATE (G584)	0.803	0.804	-0.1			
29 488 2-ACETYLAMINO FLUORENE (F582)	0.461	0.532	-15.4			
30 489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (Z	0.205	0.203	1.0			
31 423 3,3'-DICHLOROBENZIDINE (G585)	0.301	0.301	0.0			
32 533 DIMETHOXYBENZIDINE (Z9857)	0.235	0.163	30.6			
33 413 BIS(2-ETHYLHEXYL) PHTHALATE (G587)	1.131	1.259	-11.3			
34 405 BENZO(A)ANTHRACENE (G586)	1.097	1.164	-6.1			
35 418 CHRYSENE (G588)	0.986	0.993	-0.7			
37 429 DI-N-OCTYL PHTHALATE (G682)	1.843	2.290	-24.3	*		PASS
38 407 BENZO(B)FLUORANTHENE (G683)	0.907	1.478	-63.0			
39 517 7,12-DIMETHYLBENZANTHRACENE (Z9855)	0.570	0.529	7.2			
40 409 BENZO(K)FLUORANTHENE (G684)	0.907	0.501	44.8			
41 406 BENZO(A)PYRENE (G685)	1.092	1.165	-6.7	*		PASS
42 565 3-METHYLCHLORANTHRENE (F682)	0.648	0.646	0.3			
43 566 DIBENZO(A,J)ACRIDINE	0.967	0.898	7.1			
44 437 INDENO(1,2,3-C,D)PYRENE (G686)	1.321	1.296	1.9			
45 419 DIBENZO(A,H)ANTHRACENE (G687)	1.106	1.059	4.2			
46 408 BENZO(G,H,I)PERYLENE (G688)	0.926	1.024	-10.6			
47 576 DIALLATE (CIS ISOMER)	0.210	0.168	20.0			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

QUANTITATION REPORT FILE: HH900521C07  
DATA: HH900521C07.TI  
05/21/90 9:29:00  
SAMPLE: 2 UL 50-NG 8270 STD LOT031672 (2387)  
CONOS.:  
SUBMITTED BY: 07 ANALYST: 917

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

NO	NAME
1	*467 DIO-PHENANTHRENE (I804)
2	604 4,6-DINITRO-2-METHYLPHENOL (G402) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G403) <86-30-6>
4	567 DIPHENYLAMINE (F303)
5	508 1,3,5-TRINITROBENZENE (Z9041)
6	339 PHENACETIN (Z9042) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G404) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9044)
10	433 HEXACHLOROBENZENE (G405) <118-74-1>
11	485 4-AMINOBIPHENYL (Z9045)
12	522 PRONAMIDE (Z9046)
13	609 PENTACHLOROPHENOL (G406) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9047)
15	444 PHENANTHRENE (G407) <85-01-8>
16	403 ANTHRACENE (G408) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G409) <84-74-2>
18	516 METHAPYRILENE (Z9048)
19	549 CYCLOPHOSPHAMIDE (Z9049)
20	431 FLUORANTHENE (G410) <206-44-0>
21	*459 D12-CHRYSENE (I805)
22	404 BENZIDINE (G502) <92-87-5>
23	445 PYRENE (G503) <129-00-0>
24	530 ARAMITE (Z9050) <140-57-4>
25	487 P-DIMETHYLAMINDAZOBENZENE (Z9051)
26	523 CHLOROBENZILATE (Z9052)
27	545 3,3'-DIMETHYLBENZIDINE (Z9053)
28	415 BUTYLBENZYL PHTHALATE (G504) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F302)
30	489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (Z9054)
31	423 3,3'-DICHLOROBENZIDINE (G505) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9057)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G507) <117-81-7>
34	409 BENZO(A)ANTHRACENE (G506) <56-55-J>
35	418 CHRYSENE (G508) <218-01-9>
36	*497 D12-PERYLENE (I806)
37	429 DI-N-DECTYL PHTHALATE (G602) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G603) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9055)
40	409 BENZO(K)FLUORANTHENE (G604) <207-08-9>
41	406 BENZO(A)PYRENE (G605) <90-32-5>
42	565 3-METHYLCHLORANTHRENE (F602)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (G606) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G607) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (G608) <191-24-2>

NO NAME  
47 576 DIALLATE (CIB IBQMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	188	912	13:35	1	1.000	A BB	289104.	40.000 NQ	1.59
2	198	827	12:19	-1	0.907	A BB	51612.	50.000 NQ	1.98
3	169	830	12:22	1	0.910	A VB	543012.	100.002 NQ	3.97
4	169	830	12:22	1	0.910	A VB	543012.) <sup>27/506</sup> <sub>27/506</sub>	100.002 NQ	3.97
5	213	839	12:48	1	0.942	A BB	36912.	50.000 NQ	1.98
6	108	862	12:50	1	0.945	A VB	197556.	50.000 NQ	1.98
7	248	866	12:54	1	0.950	A BB	82844.	50.000 NQ	1.98
8	234	862	12:50	1	0.945	A BB	23672.	25.000 NQ	0.99
9	125	881	13:07	1	0.966	A BB	62900.	50.000 NQ	1.98
10	284	882	13:08	1	0.967	A BB	105124.	50.000 NQ	1.98
11	169	892	13:17	1	0.978	A BV	265556.	50.000 NQ	1.98
12	173	900	13:24	1	0.987	A BB	136680.	50.000 NQ	1.98
13	266	898	13:22	1	0.985	A BB	69008.	50.000 NQ	1.98
14	237	907	13:30	1	0.995	A BB	29824.	50.000 NQ	1.98
15	178	915	13:38	1	1.003	A BV	463640.	50.000 NQ	1.98
16	178	919	13:41	1	1.008	A VB	406052.	50.000 NQ	1.98
17	149	971	14:28	1	1.065	A BB	573527.	50.000 NQ	1.98
18	97	1003	14:56	1	1.100	A VB	163520.	50.000 NQ	1.98
19	211	1023	15:14	1	1.122	A BV	84864.	200.000 NQ	7.94
20	202	1035	15:25	1	1.135	A BB	398894.	50.000 NQ	1.98
21	240	1185	17:39	21	1.000	A BB	245404.	40.000 NQ	1.59
22	184	1046	15:35	21	0.883	A BB	98348.	50.000 NQ	1.98
23	202	1058	15:45	21	0.893	A VV	413826.	50.000 NQ	1.98
24	185	1069	15:55	21	0.902	A BV	39156.	50.000 NQ	1.98
25	225	1087	16:11	21	0.917	A BB	73208.	50.000 NQ	1.98
26	139	1091	16:15	21	0.921	A VB	214404.	50.000 NQ	1.98
27	212	1120	16:41	21	0.945	A BB	151708.	50.000 NQ	1.98
28	149	1122	16:43	21	0.947	A VB	246712.	50.000 NQ	1.98
29	181	1147	17:05	21	0.968	A BB	163228.	50.000 NQ	1.98
30	231	1177	17:32	21	0.993	A BB	62260.	50.000 NQ	1.98
31	252	1178	17:33	21	0.994	A BB	92220.	50.000 NQ	1.98
32	244	1176	17:31	21	0.992	A BB	49904.	50.000 NQ	1.98
33	149	1184	17:38	21	0.999	A VB	386308.	50.000 NQ	1.98
34	228	1183	17:37	21	0.998	A BV	356990.	50.000 NQ	1.98
35	228	1188	17:42	21	1.003	A VB	304594.	50.000 NQ	1.98
36	264	1424	21:12	36	1.000	A BB	202284.	40.000 NQ	1.59
37	149	1270	18:55	36	0.892	A BB	579040.	50.000 NQ	1.98
38	252	1347	20:04	36	0.946	A BV	373718.	50.000 NQ	1.98
39	236	1349	20:05	36	0.947	A BB	133868.	50.000 NQ	1.98
40	252	1351	20:07	36	0.949	A VB	126560.	50.000 NQ	1.98
41	252	1413	21:03	36	0.992	A BV	294436.	50.000 NQ	1.98
42	268	1499	22:20	36	1.053	A BB	163224.	50.000 NQ	1.98
43	279	1636	24:40	36	1.163	A BB	227064.	50.000 NQ	1.98
44	276	1715	25:33	36	1.204	A BB	327764.	50.000 NQ	1.98
45	278	1721	25:38	36	1.209	A BB	267776.	50.000 NQ	1.98
46	276	1802	26:50	36	1.265	A BB	258932.	50.000 NQ	1.98
47	234	870	12:87	1	0.954	A BB	30352.	25.000 NQ	0.99

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:19	1.00	30.000	0.03	50.00	50.00	0.143	0.143	1.00
3	12:22	1.00	10.000	0.09	100.00	100.00	0.751	0.751	1.00
4	12:22	1.00	10.000	0.09	100.00	100.00	0.751	0.751	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:48	1.00	20.000	0.05	50.00	50.00	0.102	0.102	1.00
6	12:50	1.00	10.000	0.09	50.00	50.00	0.547	0.547	1.00
7	12:54	1.00	10.000	0.09	50.00	50.00	0.229	0.229	1.00
8	12:50	1.00	10.000	0.09	25.00	25.00	0.131	0.131	1.00
9	13:07	1.00	10.000	0.10	50.00	50.00	0.174	0.174	1.00
10	13:08	1.00	10.000	0.10	50.00	50.00	0.291	0.291	1.00
11	13:17	1.00	10.000	0.10	50.00	50.00	0.735	0.735	1.00
12	13:24	1.00	10.000	0.10	50.00	50.00	0.378	0.378	1.00
13	13:22	1.00	20.000	0.05	50.00	50.00	0.191	0.191	1.00
14	13:30	1.00	10.000	0.10	50.00	50.00	0.083	0.083	1.00
15	13:38	1.00	10.000	0.10	50.00	50.00	1.283	1.283	1.00
16	13:41	1.00	10.000	0.10	50.00	50.00	1.124	1.124	1.00
17	14:28	1.00	10.000	0.11	50.00	50.00	1.587	1.587	1.00
18	14:56	1.00	20.000	0.05	50.00	50.00	0.452	0.452	1.00
19	15:14	1.00	50.000	0.02	200.00	200.00	0.059	0.059	1.00
20	15:29	1.00	10.000	0.11	50.00	50.00	1.104	1.104	1.00
21	17:39	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:35	1.00	10.000	0.09	50.00	50.00	0.190	0.190	1.00
23	15:45	1.00	10.000	0.09	50.00	50.00	1.349	1.349	1.00
24	15:55	1.00	20.000	0.05	50.00	50.00	0.128	0.128	1.00
25	16:11	1.00	10.000	0.09	50.00	50.00	0.239	0.239	1.00
26	16:15	1.00	10.000	0.09	50.00	50.00	0.699	0.699	1.00
27	16:41	1.00	20.000	0.05	50.00	50.00	0.495	0.495	1.00
28	16:43	1.00	10.000	0.09	50.00	50.00	0.804	0.804	1.00
29	17:05	1.00	10.000	0.10	50.00	50.00	0.532	0.532	1.00
30	17:32	1.00	10.000	0.10	50.00	50.00	0.203	0.203	1.00
31	17:33	1.00	10.000	0.10	50.00	50.00	0.301	0.301	1.00
32	17:31	1.00	10.000	0.10	50.00	50.00	0.163	0.163	1.00
33	17:38	1.00	10.000	0.10	50.00	50.00	1.259	1.259	1.00
34	17:37	1.00	10.000	0.10	50.00	50.00	1.164	1.164	1.00
35	17:42	1.00	10.000	0.10	50.00	50.00	0.993	0.993	1.00
36	21:12	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:55	1.00	10.000	0.09	50.00	50.00	2.290	2.290	1.00
38	20:04	1.00	10.000	0.09	50.00	50.00	1.478	1.478	1.00
39	20:05	1.00	10.000	0.09	50.00	50.00	0.529	0.529	1.00
40	20:07	1.00	10.000	0.09	50.00	50.00	0.501	0.501	1.00
41	21:03	1.00	10.000	0.10	50.00	50.00	1.165	1.165	1.00
42	22:20	1.00	10.000	0.11	50.00	50.00	0.646	0.646	1.00
43	24:40	1.00	10.000	0.12	50.00	50.00	0.898	0.898	1.00
44	25:33	1.00	10.000	0.12	50.00	50.00	1.296	1.296	1.00
45	25:38	1.00	10.000	0.12	50.00	50.00	1.059	1.059	1.00
46	26:50	1.00	10.000	0.13	50.00	50.00	1.024	1.024	1.00
47	12:57	1.00	10.000	0.10	25.00	25.00	0.168	0.168	1.00

SEMI VOLATILE  
COMPUCHEM LABORATORIES, INC.  
GC/MS ANALYSIS LOG

INITIAL TIME OF TUNE 4:30  
TIME TUNE EXPIRES 16:30  
SHIFT(s) (A) \_\_\_\_\_ (B) \_\_\_\_\_ (C) \_\_\_\_\_  
DATE 5-21-92  
ANALYSIS TYPE 8270

RUN LOG

PREVENTIVE MAINTENANCE \_\_\_\_\_

DATE	TIME	EPA ID	CASE NO.	STD ID #	ANALYT REJECTED	CHEMIST	COMMENTS (Lot #s, Disposition, Etc.)
5/21/92	4:30	DEP			1.02	Q17	#705B
5/21/92	4:48	STOP			2.02	Q17	#31671
5/21/92	5:29	STOP			2.02	Q17	#31672 (2387)
5/21/92	6:56	BOS210605	19095		1.02	Q17	
5/21/92	7:59	BOS215005	"		1.02	Q17	EXTRACTED
5/21/92	9:56	3BLK	"		1.02	Q17	
5/21/92	10:30	AO5207005	19698		1.02	Q17	
5/21/92	11:41	73800109	20184		1.02	Q17	
5/21/92	12:16	73800102	"		1.02	Q17	
5/21/92	13:05	VARIOUS	VARIOUS		1.02	1585	
5/21/92	14:46	73800102 DL	20124		1.02	1515	10-1 DL
5/21/92	15:51	60200000	19070		1.02	1515	

*All copied*

VERIFIED \_\_\_\_\_  
SUPERVISOR APPROVAL \_\_\_\_\_  
*Duncan 5/24/92*



CONTINUING CALIBRATION CHECK  
MASTS

PAGE 1

CASE NO: \_\_\_\_\_  
CONTRACTOR: COMFUCHEM  
CONTRACT NO: \_\_\_\_\_  
INSTRUMENT ID: 07  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/22/90  
TIME: 16:46  
STANDARD FILE ID: HI900522B07  
MULTIPOINT DATE: 4/7/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF (50)	XD	CCC	SPCC	P/F
2 441 N-NITROBIS(2-METHYLAMINE) (G1#2)	1.070	1.514	-41.5			
3 481 PYRIDINE (Z9#1)	1.098	1.491	-35.8			
4 509 ETHYLMETHACRYLATE (T1#4)	1.222	1.760	-44.0			
5 542 PARALDEHYDE (Z9#3)	0.295	0.385	-30.5			
6 510 2-PICOLINE (Z9#56)	1.250	1.791	-43.3			
7 535 NITROBIS(2-METHYLETHYLAMINE) (Z9#4)	0.518	0.383	26.1			
8 543 METHYL METHANE SULFONATE (Z9#5)	1.185	1.602	-35.2			
9 499 N-NITROSODIETHYLAMINE (Z9#6)	0.601	0.779	-29.6			
10 514 ETHYL METHANESULFONATE (Z9#7)	0.742	0.814	-9.7			
11 610 PHENOL (G1#3)	1.748	1.864	-6.6	*		PASS
12 473 ANILINE (G1#4)	1.876	2.385	-27.1			
13 505 PENTACHLOROETHANE (Z9#8)	0.673	0.682	-1.3			
14 411 BIS(2-CHLOROETHYL)ETHER (G1#5)	1.384	1.645	-18.9			
15 601 2-CHLOROPHENOL (G1#6)	1.430	1.480	-3.5			
16 421 1,3-DICHLOROBENZENE (G1#7)	1.640	1.647	-0.4			
17 506 BENZYL CHLORIDE (Z9#9)	3.249	3.958	-21.8			
18 422 1,4-DICHLOROBENZENE (G1#8)	1.486	1.671	-12.4	*		PASS
19 474 BENZYL ALCOHOL (G1#9)	0.823	0.929	-12.4			
20 420 1,2-DICHLOROBENZENE (G1#10)	1.480	1.564	-5.7			
21 620 2-METHYLPHENOL (G1#11)	1.252	1.265	-1.0			
22 412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12)	1.370	1.408	-2.8			
23 621 3-METHYLPHENOL (F1#2)	1.138	1.498	-31.6			
24 622 4-METHYLPHENOL (G1#13)	1.138	1.498	-31.6			
25 528 N-NITROSPYRROLIDINE (Z9#10)	0.537	0.782	-49.6			
26 544 N-NITROSOMORPHOLINE (Z9#12)	0.277	0.368	-32.9			
27 500 ACETOPHENONE (Z9#11)	1.808	2.464	-34.1			
28 442 N-NITROSO-DI-N-PROPYLAMINE (G1#14)	1.067	1.518	-42.3	**		PASS
29 512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)	1.466	1.443	1.6			
30 436 HEXACHLOROETHANE (G1#15)	0.927	1.004	-8.3			
32 440 NITROBENZENE (G1#16)	0.550	0.628	-14.2			
33 502 N-NITROSODIPIPERIDINE (Z9#14)	0.196	0.195	0.5			
34 408 ISOPHORONE (G2#2)	0.995	1.051	-5.6			
35 603 2,4-DIMETHYLPHENOL (G2#4)	0.472	0.556	-17.8			
36 604 2-NITROPHENOL (G2#3)	0.236	0.238	0.8	*		PASS
37 451 1,3,5-TRICHLOROBENZENE (Z9#22)	0.412	0.438	-6.3			
38 518 BENZAL CHLORIDE (Z9#16)	0.864	0.919	-5.9			
39 525 BENZOIC ACID (G2#5)	0.135	0.060	55.6			
40 410 BIS(2-CHLOROETHOXY)METHANE (G2#6)	0.494	0.503	-1.8			
41 602 2,4-DICHLOROPHENOL (G2#7)	0.323	0.334	-3.4	*		PASS
42 446 1,2,4-TRICHLOROBENZENE (G2#8)	0.412	0.405	1.7			
43 439 NAPHTHALENE (G2#9)	1.195	1.200	-0.4			
44 475 4-CHLOROANILINE (G2#10)	0.501	0.562	-12.2			
45 631 2,6-DICHLOROPHENOL (Z9#18)	0.348	0.380	-9.2			
46 524 O-PHENYLENEDIAMINE (Z9#19)	0.193	0.155	-1.3			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST5

PAGE 2

CASE NO: \_\_\_\_\_  
CONTRACTOR: COMPUCHEM  
CONTRACT NO: \_\_\_\_\_  
INSTRUMENT ID: 07  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/22/90  
TIME: 16:46  
STANDARD FILE ID: HI700522807  
MULTIPOINT DATE: 4/ 7/90  
MAXIMUM XD FOR CCC IS 25%

COMPUND	AVG RF	RF ( 30)	XD	CCC	SPCC	P/F
47 515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9	0.036	0.131	-263.9			
48 537 HEXACHLOROPROPENE (Z9#21)	0.228	0.347	-52.2			
49 434 HEXACHLOROBUTADIENE (G2#11)	0.295	0.287	2.7	*		PASS
50 430 1,2,3-TRICHLOROBENZENE (Z9#13)	0.364	0.404	-11.0			
51 504 BENZOTRICHLORIDE (Z9#23)	0.548	0.681	-24.3			
52 536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24)	0.318	0.200	37.1			
53 608 P-CHLORO-M-CRESOL (G2#12)	0.447	0.428	4.3	*		PASS
54 526 P-PHENYLENEDIAMINE (Z9#20)	0.060	0.036	40.0			
55 503 SAFROLE (Z9#27)	0.328	0.322	1.8			
56 525 M-PHENYLENEDIAMINE (Z9#26)	0.073	0.106	-45.2			
57 477 2-METHYLNAPHTHALENE (G2#13)	1.015	1.018	-0.3			
58 569 1-METHYLNAPHTHALENE (T2#28)	0.494	0.446	9.7			
60 457 1,2,4,5-TETRACHLOROBENZENE (Z9#31)	0.673	0.736	-9.4			
61 513 1,2,3,5-TETRACHLOROBENZENE (Z9#29)	0.673	0.736	-9.4			
62 435 HEXACHLOROCYCLOPENTADIENE (G3#2)	0.152	0.465	-205.9		**	PASS
63 611 2,4,6-TRICHLOROPHENOL (G3#3)	0.411	0.454	-10.5	*		PASS
64 626 2,4,5-TRICHLOROPHENOL (G3#4)	0.416	0.449	-7.9			
65 527 ISOSAFROLE (Z9#30)	0.473	0.498	-5.3			
66 416 2-CHLORONAPHTHALENE (G3#5)	1.311	1.525	-16.3			
67 564 1-CHLORONAPHTHALENE (F4#2)	0.984	1.142	-16.1			
68 456 1,2,3,4-TETRACHLOROBENZENE (Z9#28)	0.661	0.696	-5.3			
69 478 2-NITROANILINE (G3#6)	0.464	0.510	-9.9			
70 504 1,4-NAPHTHOQUINONE (Z9#32)	0.251	0.295	-17.5			
71 491 1,4-DINITROBENZENE (F3#2)	0.212	0.215	-1.4			
72 425 DIMETHYL PHTHALATE (G3#7)	1.396	1.559	-11.7			
73 428 2,6-DINITROTOLUENE (G3#15)	0.307	0.309	-0.7			
74 402 ACENAPHTHYLENE (G3#8)	1.747	1.813	-3.8			
75 479 3-NITROANILINE (G3#9)	0.320	0.298	6.9			
76 401 ACENAPHTHENE (G3#10)	1.136	1.181	-4.0	*		PASS
77 6603 2,4-DINITROPHENOL (G3#11)	0.118	0.139	-17.8		**	PASS
78 607 4-NITROPHENOL (G3#12)	0.287	0.338	-17.8		**	PASS
79 427 2,4-DINITROTOLUENE (G3#14)	0.411	0.458	-11.4			
80 476 DIBENZOFURAN (G3#13)	1.576	1.702	-8.0			
81 507 PENTACHLOROBENZENE (Z9#33)	0.658	0.643	2.3			
82 484 2-NAPHTHYLAMINE (Z9#35)	0.999	0.996	0.3			
83 483 1-NAPHTHYLAMINE (Z9#36)	0.961	1.037	-7.9			
84 630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)	0.318	0.315	0.9			
85 424 DIETHYL PHTHALATE (G3#16)	1.624	1.588	2.2			
86 519 ZINOPHOS (Z9#38)	0.432	0.403	6.7			
87 417 4-CHLOROPHENYL PHENYL ETHER (G3#17)	0.609	0.623	-2.3			
88 432 FLUORENE (G3#18)	1.235	1.366	-10.6			
89 480 4-NITROANILINE (G3#19)	0.293	0.288	1.7			
90 498 5-NITRO-O-TOLUIDINE (Z9#34)	0.330	0.315	4.5			
91 430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9	2.287	2.134	6.7			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST9

PAGE 1

CASE NO: \_\_\_\_\_  
 CONTRACTOR: COMPUCHEM  
 CONTRACT NO: \_\_\_\_\_  
 INSTRUMENT ID: 07  
 MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/22/90  
 TIME: 16:46  
 STANDARD FILE ID: HI900322B07  
 MULTIPoint DATE: 4/7/90  
 MAXIMUM %D FOR CCC IS 25%

COMPOUND	AVG RF	RF (50)	%D	CCC	SPCC	P/F
95 #619 2-FLUOROPHENOL (SS#1)	1.284	1.452	-13.1			
96 #612 D5-PHENOL (SS#2)	1.362	1.705	-9.2			
97 #447 D5-NITROBENZENE (SS#3)	0.594	0.613	-3.2			
98 #448 2-FLUOROBIPHENYL (SS#4)	1.269	1.402	-10.5			
99 #628 2,4,6-TRIBROMOPHENOL (SS#5)	0.262	0.199	24.0			
*1 #471 D10-PYRENE (SS#6)	1.172	1.199	-2.3			
*1 #496 D14-TERPHENYL (SS#7)	1.095	1.060	3.2			

RF - RESPONSE FACTOR FROM DAILY  
 STANDARD AT CONCENTRATION  
 INDICATED  
 AVG RF - AVERAGE RESPONSE FACTOR  
 FROM INITIAL CALIBRATION

%D - PERCENT DIFFERENCE  
 CCC - CALIBRATION CHECK COMPOUNDS (\*)  
 SPCC - SYSTEM PERFORMANCE CHECK  
 COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST6

PAGE

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 07  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/22/90  
TIME: 16:46  
STANDARD FILE ID: HI900522B07  
MULTIPOINT DATE: 4/7/90  
MAXIMUM ZD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	ZD	CCC	SPCC	P/F
2 604 4,6-DINITRO-2-METHYLPHENOL (G4#2)	0.126	0.139	-10.3			
3 443 N-NITROSODIPHENYLAMINE (G4#3)	0.620	0.746	-20.3	*		PASS
4 567 DIPHENYLAMINE (F3#3)	0.620	0.746	-20.3			
5 508 1,3,5-TRINITROBENZENE (Z9#41)	0.096	0.081	15.6			
6 539 PHENACETIN (Z9#42)	0.503	0.440	12.5			
7 414 4-BROMOPHENYL PHENYL ETHER (G4#4)	0.271	0.275	-1.5			
8 577 DIALLATE (TRANS ISOMER)	0.161	0.144	10.6			
9 541 DIMETHOATE (Z9#44)	0.150	0.162	-8.0			
10 433 HEXACHLOROBENZENE (G4#5)	0.374	0.353	5.6			
11 485 4-AMINOBIIPHENYL (Z9#45)	0.679	0.734	-8.7			
12 522 PROMAMIDE (Z9#46)	0.424	0.460	-8.5			
13 609 PENTACHLOROPHENOL (G4#6)	0.169	0.195	-15.4	*		PASS
14 453 PENTACHLORONITROBENZENE (Z9#47)	0.169	0.167	1.2			
15 444 PHENANTHRENE (G4#7)	1.183	1.216	-2.8			
16 403 ANTHRACENE (G4#8)	1.096	1.129	-3.0			
17 426 DI-N-BUTYL PHTHALATE (G4#9)	1.698	1.412	16.8			
18 316 METHAPYRILENE (Z9#48)	0.499	0.252	49.5			
19 549 CYCLOPHOSPHAMIDE (Z9#49)	0.052	0.070	-34.6			
20 431 FLUORANTHENE (G4#10)	1.214	1.193	1.7	*		PASS
22 404 BENZIDINE (G5#2)	0.153	0.192	-25.5			
23 445 PYRENE (G5#3)	1.317	1.389	-5.5			
24 530 ARAMITE (Z9#50)	0.135	0.093	31.1			
25 487 P-DIMETHYLAMINDAZOBENZENE (Z9#51)	0.253	0.249	1.6			
26 523 CHLOROBENZILATE (Z9#52)	0.794	0.704	11.3			
27 545 3,3'-DIMETHYLBENZIDINE (Z9#53)	0.472	0.549	-16.3			
28 415 BUTYLBENZYL PHTHALATE (G5#4)	0.803	0.677	15.7			
29 488 2-ACETYLAMINO FLUORENE (F3#2)	0.461	0.387	16.1			
30 489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (I	0.205	0.198	3.4			
31 423 3,3'-DICHLOROBENZIDINE (G5#5)	0.301	0.276	8.3			
32 533 DIMETHOXYBENZIDINE (Z9#57)	0.235	0.255	-8.5			
33 413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7)	1.131	1.110	1.9			
34 405 BENZO(A)ANTHRACENE (G5#6)	1.097	1.119	-2.0			
35 418 CHRYSENE (G5#8)	0.986	0.973	1.3			
37 429 DI-N-OCTYL PHTHALATE (G6#2)	1.843	1.441	21.8	*		PASS
38 407 BENZO(B)FLUORANTHENE (G6#3)	0.907	1.208	-33.2			
39 517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)	0.570	0.547	4.0			
40 409 BENZO(K)FLUORANTHENE (G6#4)	0.907	0.773	14.8			
41 406 BENZO(A)PYRENE (G6#5)	1.092	0.900	17.6	*		PASS
42 565 3-METHYLCHLORANTHRENE (F6#2)	0.648	0.591	8.8			
43 566 DIBENZO(A, J)ACRIDINE	0.967	0.848	12.3			
44 437 INDENO(1,2,3-C, D)PYRENE (G6#6)	1.321	1.223	7.4			
45 419 DIBENZO(A, H)ANTHRACENE (G6#7)	1.106	1.007	9.0			
46 408 BENZO(G, H, I)PERYLENE (G6#8)	0.926	1.002	-8.2			
47 576 DIALLATE (CIS ISOMER)	0.210	0.242	-15.2			

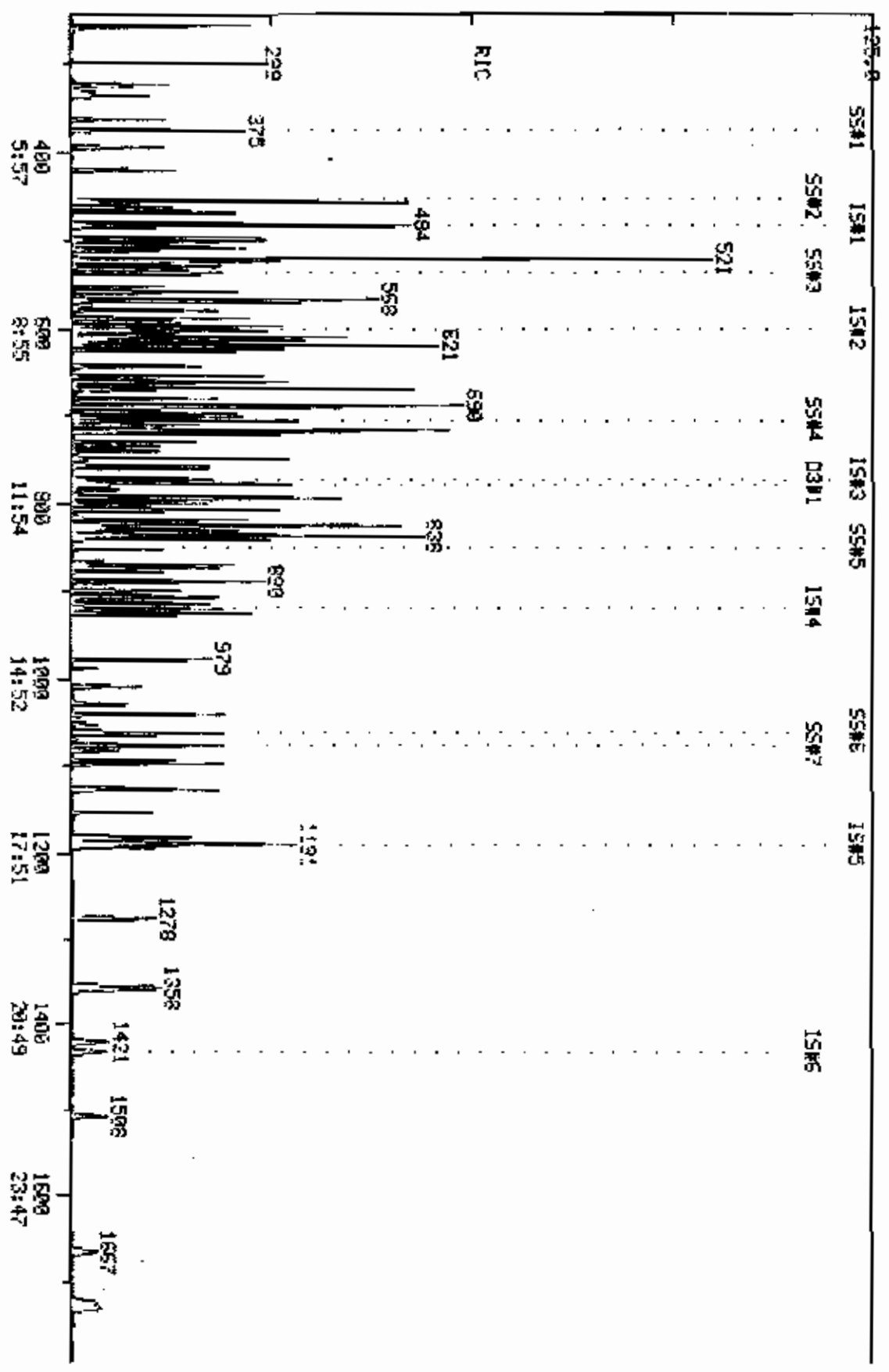
RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

ZD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

RIC  
 06/22/90 16:46:00  
 SAMPLE: 2UL 8270 VER.111 5510650 31672(2387) 0H007  
 COM05.1

COMPUTER LABS  
 COMPUTER DATA: H1900522807 SCANS 243 TO 1790  
 OUT OF 243 TO 2200



COMPUCHEN L885  
COMPUCHEN DATA: H1306522897 SCANS 1793 TO 2200  
OUT OF 243 TO 2200  
5672958.  
RLC  
05/22/98 16:46:00  
SAMPLE: 2UL 8270 UER.111 5510650 31672(2387) ON107  
COND5.1



QUANTITATION REPORT FILE: HI900322807  
DATA: HI900322807.TI  
05/22/90 15:45:00  
SAMPLE: ZUL B270 VER. III BSTD050 31672(2387) QN#07  
CONDS.:  
SUBMITTED BY: 07 ANALYST: 1090

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I5#1)
2	441 N-NITROSODIMETHYLAMINE (Q1#2) <62-75-9>
3	481 FURIDINE (Z9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#9) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q1#5) <111-44-4>
15	601 2-CHLOROPHENOL (Q1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q1#10) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39635-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-59-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I5#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROSODIPICERIDINE (Z9#14)
34	435 ISOPHORONE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	516 BENZYL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLOROANILINE (Q2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#15)
46	524 O-PHENYLENEDIAMINE (Z9#19) <106-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 DIO-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 O-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <102-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AIDBENZENE) (Z9#39)
92	*467 DIO-PHENANTHRENE (IS#4)
93	*459 D12-CHRYSENE (I8#5)
94	*497 D12-PERYLENE (IS#6)
95	6619 2-FLUOROPHENOL (55#1)
96	6612 D5-PHENOL (55#2)
97	6447 D5-NITROBENZENE (55#3)
98	6448 2-FLUOROBIPHENYL (55#4)
99	6628 2,4,6-TRIBROMOPHENOL (55#5)
100	6471 D10-PYRENE (55#6)
101	6496 D14-TERPHENYL (55#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (WGHT)	AMOUNT	%TOT
1	152	483	7:11	1	1.000	A BB	204472.	40.000 NG	0.75
2	42	258	3:50	1	0.534	A BV	387035.	50.000 NG	0.94
3	79	258	3:50	1	0.534	A BB	381144.	50.000 NG	0.94
4	69	298	4:26	1	0.617	A BB	449848.	50.000 NG	0.94
5	89	299	4:27	1	0.619	A BB	98368.	50.000 NG	0.94
6	93	323	4:48	1	0.669	A BB	457788.	50.000 NG	0.94
7	88	336	5:00	1	0.696	A BV	391908.	200.000 NG	3.75
8	80	362	5:23	1	0.749	A BV	409420.	50.000 NG	0.94
9	102	395	5:52	1	0.818	A BB	199172.	50.000 NG	0.94
10	109	420	6:15	1	0.870	A BB	207972.	50.000 NG	0.94
11	94	454	6:45	1	0.940	A BV	476374.	50.000 NG	0.94
12	93	457	6:48	1	0.946	A BV	609580.	50.000 NG	0.94
13	167	457	6:48	1	0.946	A BB	174432.	50.000 NG	0.94
14	93	462	6:52	1	0.957	A VV	420452.	50.000 NG	0.94
15	128	467	6:57	1	0.967	A BB	378220.	50.000 NG	0.94
16	146	479	7:07	1	0.992	A BV	420844.	50.000 NG	0.94
17	91	485	7:13	1	1.004	A BB	1011570.	50.000 NG	0.94
18	146	484	7:12	1	1.002	A VB	427044.	50.000 NG	0.94
19	108	496	7:22	1	1.027	A BV	236317.	50.000 NG	0.94
20	146	501	7:27	1	1.037	A BB	399668.	50.000 NG	0.94
21	108	508	7:33	1	1.052	A VB	323319.	50.000 NG	0.94
22	45	511	7:36	1	1.058	A BB	359752.	50.000 NG	0.94
23	108	521	7:45	1	1.079	A BV <sup>3524</sup>	765856.	100.002 NG	1.87
24	108	521	7:45	1	1.079	A BV <sup>3524</sup>	765856.	100.002 NG	1.87
25	100	521	7:45	1	1.079	A BB	199952.	50.000 NG	0.94
26	116	522	7:46	1	1.081	A BB	94116.	50.000 NG	0.94
27	105	521	7:45	1	1.079	A BB	629888.	50.000 NG	0.94
28	70	524	7:47	1	1.085	A BV	387948.	50.000 NG	0.94
29	106	525	7:48	1	1.087	A VB	368932.	50.000 NG	0.94
30	117	530	7:53	1	1.097	A BB	256616.	50.000 NG	0.94
31	136	602	8:57	31	1.000	A BB	663808.	40.000 NG	0.75
32	77	537	7:59	31	0.892	A BB	521310.	50.000 NG	0.94
33	114	551	8:12	31	0.915	A BB	162044.	50.000 NG	0.94
34	82	559	8:19	31	0.929	A BV	871756.	50.000 NG	0.94
35	107	569	8:28	31	0.945	A BV	461028.	50.000 NG	0.94
36	139	567	8:26	31	0.942	A BB	194424.	50.000 NG	0.94
37	180	568	8:27	31	0.944	A BB	363376.	50.000 NG	0.94
38	125	571	8:29	31	0.949	A BB	759324.	50.000 NG	0.94
39	122	576	8:34	31	0.957	A VV	49488.	50.000 NG	0.94
40	93	579	8:37	31	0.962	A BB	417256.	50.000 NG	0.94
41	162	589	8:49	31	0.978	A BB	277488.	50.000 NG	0.94
42	180	597	8:53	31	0.992	A BB	336164.	50.000 NG	0.94
43	128	604	8:59	31	1.003	A BV	995692.	50.000 NG	0.94
44	127	610	9:04	31	1.013	A VB	466140.	50.000 NG	0.94
45	162	611	9:05	31	1.015	A BB	315148.	50.000 NG	0.94
46	108	602	8:57	31	1.000	A VB	128952.	50.000 NG	0.94
47	91	610	9:04	31	1.013	A VV	108532.	50.000 NG	0.94
48	213	615	9:09	31	1.022	A BB	288328.	50.000 NG	0.94
49	225	620	9:13	31	1.030	A BB	237988.	50.000 NG	0.94
50	180	621	9:14	31	1.032	A BB	335356.	50.000 NG	0.94
51	159	626	9:18	31	1.040	A BB	564896.	50.000 NG	0.94
52	84	644	9:35	31	1.070	A BB	166232.	50.000 NG	0.94
53	107	655	9:44	31	1.088	A VV	355352.	50.000 NG	0.94
54	108	655	9:44	31	1.088	A BV	29853.	50.000 NG	0.94
55	162	661	9:50	31	1.098	A*BB	266776.	50.000 NG	0.94
56	108	663	9:51	31	1.101	A VB	87956.	50.000 NG	0.94

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	XTOT
57	142	670	9:58	31	1.113	A VB	844824.	50.000 NO	0.94
58	142	681	10:08	31	1.131	A BB	370320.	50.000 NO	0.94
59	164	774	11:30	59	1.000	A BB	369552.	40.000 NO	0.75
60	216	690	10:16	59	0.891	A BB	679716.	100.002 NO	1.87
61	216	690	10:16	59	0.891	A BB	679716.	100.002 NO	1.87
62	237	692	10:17	59	0.894	A BB	214656.	50.000 NO	0.94
63	196	699	10:24	59	0.903	A BV	209832.	50.000 NO	0.94
64	196	703	10:27	59	0.908	A VB	207584.	50.000 NO	0.94
65	162	711	10:34	59	0.919	A BV	230112.	50.000 NO	0.94
66	162	718	10:41	59	0.928	A VV	704676.	50.000 NO	0.94
67	162	721	10:43	59	0.932	A VB	527416.	50.000 NO	0.94
68	216	718	10:41	59	0.928	A BB	321476.	50.000 NO	0.94
69	65	730	10:51	59	0.943	A BB	235444.	50.000 NO	0.94
70	158	735	10:56	59	0.950	A BB	136396.	50.000 NO	0.94
71	168	741	11:01	59	0.957	A BB	99168.	50.000 NO	0.94
72	163	750	11:09	59	0.969	A BB	720328.	50.000 NO	0.94
73	165	757	11:15	59	0.978	A BB	142520.	50.000 NO	0.94
74	152	759	11:17	59	0.981	A BB	837276.	50.000 NO	0.94
75	138	770	11:27	59	0.995	A BB	137744.	50.000 NO	0.94
76	153	777	11:33	59	1.004	A BB	545772.	50.000 NO	0.94
77	184	780	11:36	59	1.008	A BB	64208.	50.000 NO	0.94
78	109	785	11:40	59	1.014	A VV	156114.	50.000 NO	0.94
79	165	796	11:50	59	1.028	A BB	211516.	50.000 NO	0.94
80	168	793	11:47	59	1.025	A BB	786028.	50.000 NO	0.94
81	250	795	11:49	59	1.027	A BB	297152.	50.000 NO	0.94
82	143	801	11:55	59	1.035	A VV	460120.	50.000 NO	0.94
83	143	808	12:01	59	1.044	A VB	478956.	50.000 NO	0.94
84	232	809	12:02	59	1.045	A BB	145432.	50.000 NO	0.94
85	149	819	12:11	59	1.058	A BV	733704.	50.000 NO	0.94
86	97	828	12:19	59	1.070	A BB	186188.	50.000 NO	0.94
87	204	826	12:17	59	1.067	A BB	287700.	50.000 NO	0.94
88	166	827	12:18	59	1.068	A BV	630852.	50.000 NO	0.94
89	138	831	12:21	59	1.074	A BV	133080.	50.000 NO	0.94
90	152	830	12:20	59	1.072	A BV	145636.	50.000 NO	0.94
91	77	842	12:31	59	1.088	A VB	985985.	50.000 NO	0.94
92	188	920	13:41	92	1.000	A BB	521280.	40.000 NO	0.75
93	240	1191	17:43	93	1.000	A BV	439416.	40.000 NO	0.75
94	264	1433	21:18	94	1.000	A BB	421632.	40.000 NO	0.75
95	112	375	5:35	1	0.776	A BB	371024.	50.000 NO	0.94
96	99	453	6:44	1	0.938	A BV	435868.	50.000 NO	0.94
97	82	536	7:58	31	0.890	A BB	508324.	50.000 NO	0.94
98	172	707	10:31	59	0.913	A BB	647604.	50.000 NO	0.94
99	330	852	12:40	59	1.101	A BB	91824.	50.000 NO	0.94
100	212	1063	15:48	93	0.893	A BV	698543.	50.000 NO	0.94
101	244	1078	16:02	93	0.905	A VV	581987.	50.000 NO	0.94

NO	RET (L)	RATIO	RRT (L)	RATIO	AMNT	AMNT (L)	R. FAC	R. FAC (L)	RATIO
1	7:11	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:50	1.00	10.000	0.05	50.00	50.00	1.514	1.514	1.00
3	3:50	1.00	10.000	0.05	50.00	50.00	1.491	1.491	1.00
4	4:26	1.00	10.000	0.06	50.00	50.00	1.760	1.760	1.00
5	4:27	1.00	10.000	0.06	30.00	50.00	0.385	0.385	1.00
6	4:48	1.00	20.000	0.03	50.00	50.00	1.791	1.791	1.00
7	5:00	1.00	10.000	0.07	200.00	200.00	0.383	0.383	1.00
8	5:23	1.00	10.000	0.07	50.00	50.00	1.602	1.602	1.00
9	5:52	1.00	10.000	0.08	50.00	50.00	0.779	0.779	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:15	1.00	10.000	0.09	50.00	50.00	0.814	0.814	1.00
11	6:45	1.00	10.000	0.09	50.00	50.00	1.864	1.864	1.00
12	6:48	1.00	10.000	0.09	50.00	50.00	2.385	2.385	1.00
13	6:48	1.00	10.000	0.09	50.00	50.00	0.682	0.682	1.00
14	6:52	1.00	20.000	0.05	50.00	50.00	1.645	1.645	1.00
15	6:57	1.00	10.000	0.10	50.00	50.00	1.480	1.480	1.00
16	7:07	1.00	10.000	0.10	50.00	50.00	1.647	1.647	1.00
17	7:13	1.00	10.000	0.10	50.00	50.00	3.958	3.958	1.00
18	7:12	1.00	10.000	0.10	50.00	50.00	1.671	1.671	1.00
19	7:22	1.00	10.000	0.10	50.00	50.00	0.925	0.925	1.00
20	7:27	1.00	10.000	0.10	50.00	50.00	1.564	1.564	1.00
21	7:33	1.00	10.000	0.11	50.00	50.00	1.265	1.265	1.00
22	7:36	1.00	10.000	0.11	50.00	50.00	1.408	1.408	1.00
23	7:45	1.00	10.000	0.11	100.00	100.00	1.498	1.498	1.00
24	7:45	1.00	10.000	0.11	100.00	100.00	1.498	1.498	1.00
25	7:45	1.00	10.000	0.11	50.00	50.00	0.782	0.782	1.00
26	7:46	1.00	10.000	0.11	50.00	50.00	0.368	0.368	1.00
27	7:45	1.00	10.000	0.11	50.00	50.00	2.464	2.464	1.00
28	7:47	1.00	10.000	0.11	50.00	50.00	1.518	1.518	1.00
29	7:48	1.00	10.000	0.11	50.00	50.00	1.443	1.443	1.00
30	7:53	1.00	10.000	0.11	50.00	50.00	1.004	1.004	1.00
31	8:57	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:59	1.00	10.000	0.09	50.00	50.00	0.628	0.628	1.00
33	8:12	1.00	10.000	0.09	50.00	50.00	0.195	0.195	1.00
34	8:19	1.00	10.000	0.09	50.00	50.00	1.051	1.051	1.00
35	8:28	1.00	10.000	0.09	50.00	50.00	0.556	0.556	1.00
36	8:26	1.00	10.000	0.09	50.00	50.00	0.234	0.234	1.00
37	8:27	1.00	10.000	0.09	50.00	50.00	0.438	0.438	1.00
38	8:29	1.00	10.000	0.09	50.00	50.00	0.915	0.915	1.00
39	8:34	1.00	100.000	0.01	50.00	50.00	0.060	0.060	1.00
40	8:37	1.00	10.000	0.10	50.00	50.00	0.503	0.503	1.00
41	8:45	1.00	10.000	0.10	50.00	50.00	0.334	0.334	1.00
42	8:53	1.00	10.000	0.10	50.00	50.00	0.405	0.405	1.00
43	8:59	1.00	10.000	0.10	50.00	50.00	1.200	1.200	1.00
44	9:04	1.00	10.000	0.10	50.00	50.00	0.562	0.562	1.00
45	9:05	1.00	20.000	0.05	50.00	50.00	0.380	0.380	1.00
46	8:57	1.00	10.000	0.10	50.00	50.00	0.155	0.155	1.00
47	9:04	1.00	10.000	0.10	50.00	50.00	0.131	0.131	1.00
48	9:09	1.00	10.000	0.10	50.00	50.00	0.347	0.347	1.00
49	9:13	1.00	10.000	0.10	50.00	50.00	0.287	0.287	1.00
50	9:14	1.00	10.000	0.10	50.00	50.00	0.404	0.404	1.00
51	9:18	1.00	20.000	0.05	50.00	50.00	0.681	0.681	1.00
52	9:35	1.00	10.000	0.11	50.00	50.00	0.200	0.200	1.00
53	9:44	1.00	10.000	0.11	50.00	50.00	0.428	0.428	1.00
54	9:44	1.00	10.000	0.11	50.00	50.00	0.036	0.036	1.00
55	9:50	1.00	10.000	0.11	50.00	50.00	0.322	0.322	1.00
56	9:51	1.00	10.000	0.11	50.00	50.00	0.106	0.106	1.00
57	9:58	1.00	10.000	0.11	50.00	50.00	1.018	1.018	1.00
58	10:08	1.00	10.000	0.11	50.00	50.00	0.446	0.446	1.00
59	11:30	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:16	1.00	10.000	0.09	100.00	100.00	0.736	0.736	1.00
61	10:16	1.00	10.000	0.09	100.00	100.00	0.736	0.736	1.00
62	10:17	1.00	10.000	0.09	50.00	50.00	0.465	0.465	1.00
63	10:24	1.00	20.000	0.05	50.00	50.00	0.454	0.454	1.00
64	10:27	1.00	20.000	0.05	50.00	50.00	0.449	0.449	1.00
65	10:34	1.00	20.000	0.05	50.00	50.00	0.498	0.498	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:41	1.00	10.000	0.09	50.00	50.00	1.525	1.525	1.00
67	10:43	1.00	10.000	0.09	50.00	50.00	1.142	1.142	1.00
68	10:41	1.00	10.000	0.09	50.00	50.00	0.696	0.696	1.00
69	10:51	1.00	10.000	0.09	50.00	50.00	0.510	0.510	1.00
70	10:56	1.00	20.000	0.09	50.00	50.00	0.295	0.295	1.00
71	11:01	1.00	20.000	0.09	50.00	50.00	0.215	0.215	1.00
72	11:09	1.00	10.000	0.10	50.00	50.00	1.559	1.559	1.00
73	11:15	1.00	10.000	0.10	50.00	50.00	0.309	0.309	1.00
74	11:17	1.00	10.000	0.10	50.00	50.00	1.813	1.813	1.00
75	11:27	1.00	20.000	0.09	50.00	50.00	0.298	0.298	1.00
76	11:33	1.00	10.000	0.10	50.00	50.00	1.181	1.181	1.00
77	11:36	1.00	40.000	0.03	50.00	50.00	0.139	0.139	1.00
78	11:40	1.00	10.000	0.10	50.00	50.00	0.338	0.338	1.00
79	11:50	1.00	10.000	0.10	50.00	50.00	0.458	0.458	1.00
80	11:47	1.00	10.000	0.10	50.00	50.00	1.702	1.702	1.00
81	11:49	1.00	10.000	0.10	50.00	50.00	0.643	0.643	1.00
82	11:55	1.00	20.000	0.09	50.00	50.00	0.996	0.996	1.00
83	12:01	1.00	20.000	0.09	50.00	50.00	1.037	1.037	1.00
84	12:02	1.00	20.000	0.09	50.00	50.00	0.315	0.315	1.00
85	12:11	1.00	10.000	0.11	50.00	50.00	1.588	1.588	1.00
86	12:19	1.00	10.000	0.11	50.00	50.00	0.403	0.403	1.00
87	12:17	1.00	10.000	0.11	50.00	50.00	0.623	0.623	1.00
88	12:18	1.00	10.000	0.11	50.00	50.00	1.366	1.366	1.00
89	12:21	1.00	20.000	0.09	50.00	50.00	0.288	0.288	1.00
90	12:20	1.00	20.000	0.09	50.00	50.00	0.315	0.315	1.00
91	12:31	1.00	10.000	0.11	50.00	50.00	2.134	2.134	1.00
92	13:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:18	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:35	1.00	0.742	1.05	50.00	50.00	1.452	1.452	1.00
96	6:44	1.00	0.948	0.99	50.00	50.00	1.705	1.705	1.00
97	7:58	1.00	0.875	1.02	50.00	50.00	0.613	0.613	1.00
98	10:31	1.00	0.906	1.01	50.00	50.00	1.402	1.402	1.00
99	12:40	1.00	1.118	0.98	50.00	50.00	0.199	0.199	1.00
100	15:48	1.00	10.000	0.09	50.00	50.00	1.199	1.199	1.00
101	16:02	1.00	0.907	1.00	50.00	50.00	1.060	1.060	1.00

QUANTITATION REPORT FILE: HI900522B07  
DATA: HI900522B07.TI  
05/22/90 16:46:00  
SAMPLE: ZUL B270 VER. III SSTD030 J1672(2387) DN#07  
CONOS. :  
SUBMITTED BY: 07 ANALYST: 1090

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

NO	NAME
1	*467 D10-PHENANTHRENE (I8#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (I8#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLOROBENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <36-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D12-PERYLENE (I8#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	569 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A,H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G,H,I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 576 DIALLATE (CIB ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	ZTOT
1	188	920	13:41	1	1.000	A BB	521280.	40.000 NG	1.59
2	198	836	12:26	1	0.909	A BB	90256.	50.000 NG	1.98
3	169	838	12:28	1	0.911	A BB	971572.	100.002 NG	3.97
4	169	838	12:28	1	0.911	A BB	971572.	100.002 NG	3.97
5	213	867	12:33	1	0.942	A BB	53032.	50.000 NG	1.98
6	108	871	12:37	1	0.947	A VB	286973.	50.000 NG	1.98
7	248	874	13:00	1	0.950	A BB	178900.	50.000 NG	1.98
8	234	870	12:36	1	0.946	A BV	46816.	25.000 NG	0.99
9	129	889	13:13	1	0.966	A BB	105808.	50.000 NG	1.98
10	284	890	13:14	1	0.967	A BB	229780.	50.000 NG	1.98
11	169	901	13:24	1	0.979	A VV	478597.	50.000 NG	1.98
12	173	908	13:30	1	0.987	A BB	299748.	50.000 NG	1.98
13	266	907	13:29	1	0.986	A BV	127204.	50.000 NG	1.98
14	237	919	13:36	1	0.995	A VB	108912.	50.000 NG	1.98
15	178	923	13:43	1	1.003	A BV	792592.	50.000 NG	1.98
16	178	927	13:47	1	1.008	A VB	735944.	50.000 NG	1.98
17	149	979	14:33	1	1.064	A BB	919794.	50.000 NG	1.98
18	97	1010	15:01	1	1.098	A VV	164452.	50.000 NG	1.98
19	211	1030	15:19	1	1.120	A BV	182284.	200.001 NG	7.94
20	202	1042	15:30	1	1.133	A VV	777148.	50.000 NG	1.98
21	240	1191	17:43	21	1.000	A BV	439416.	40.000 NG	1.59
22	184	1053	15:39	21	0.884	A BV	105520.	50.000 NG	1.98
23	202	1065	15:50	21	0.894	A VV	762815.	50.000 NG	1.98
24	185	1076	16:00	21	0.903	A VV	51264.	50.000 NG	1.98
25	225	1093	16:15	21	0.918	A BB	136788.	50.000 NG	1.98
26	139	1098	16:20	21	0.922	A VB	386412.	50.000 NG	1.98
27	212	1126	16:45	21	0.945	A BV	301764.	50.000 NG	1.98
28	149	1128	16:46	21	0.947	A BB	371632.	50.000 NG	1.98
29	181	1154	17:10	21	0.969	A BV	212328.	50.000 NG	1.98
30	231	1183	17:35	21	0.993	A BV	108784.	50.000 NG	1.98
31	252	1185	17:37	21	0.995	A BB	151368.	50.000 NG	1.98
32	244	1182	17:34	21	0.992	A BB	139828.	50.000 NG	1.98
33	149	1191	17:43	21	1.000	A VV	609543.	50.000 NG	1.98
34	228	1189	17:41	21	0.998	A BV	614824.	50.000 NG	1.98
35	228	1194	17:45	21	1.003	A VV	534582.	50.000 NG	1.98
36	264	1433	21:18	36	1.000	A BB	421632.	40.000 NG	1.59
37	149	1278	19:00	36	0.892	A BB	759419.	50.000 NG	1.98
38	252	1356	20:10	36	0.946	A BV	636807.	50.000 NG	1.98
39	256	1358	20:11	36	0.948	A BB	286388.	50.000 NG	1.98
40	252	1359	20:12	36	0.948	A VV	407395.	50.000 NG	1.98
41	252	1421	21:08	36	0.992	A BV	474471.	50.000 NG	1.98
42	268	1508	22:25	36	1.052	A BV	311476.	50.000 NG	1.98
43	279	1667	24:47	36	1.163	A BB	446898.	50.000 NG	1.98
44	276	1725	25:39	36	1.204	A BB	644342.	50.000 NG	1.98
45	278	1731	25:44	36	1.208	A BB	530731.	50.000 NG	1.98
46	276	1813	26:57	36	1.265	A BB	528114.	50.000 NG	1.98
47	234	879	13:04	1	0.955	A VB	78856.	25.000 NG	0.99

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:41	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:26	1.00	30.000	0.03	30.00	50.00	0.139	0.139	1.00
3	12:28	1.00	10.000	0.09	100.00	100.00	0.746	0.746	1.00
4	12:28	1.00	10.000	0.09	100.00	100.00	0.746	0.746	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:53	1.00	20.000	0.05	50.00	50.00	0.081	0.081	1.00
6	12:57	1.00	10.000	0.09	50.00	50.00	0.440	0.440	1.00
7	13:00	1.00	10.000	0.09	30.00	50.00	0.275	0.275	1.00
8	12:56	1.00	10.000	0.09	25.00	25.00	0.144	0.144	1.00
9	13:13	1.00	10.000	0.10	50.00	50.00	0.162	0.162	1.00
10	13:14	1.00	10.000	0.10	50.00	50.00	0.353	0.353	1.00
11	13:24	1.00	10.000	0.10	50.00	50.00	0.734	0.734	1.00
12	13:30	1.00	10.000	0.10	50.00	50.00	0.460	0.460	1.00
13	13:29	1.00	20.000	0.05	50.00	50.00	0.195	0.195	1.00
14	13:36	1.00	10.000	0.10	50.00	50.00	0.167	0.167	1.00
15	13:43	1.00	10.000	0.10	50.00	50.00	1.216	1.216	1.00
16	13:47	1.00	10.000	0.10	50.00	50.00	1.129	1.129	1.00
17	14:33	1.00	10.000	0.11	50.00	50.00	1.412	1.412	1.00
18	15:01	1.00	20.000	0.05	50.00	50.00	0.252	0.252	1.00
19	15:19	1.00	50.000	0.02	200.00	200.00	0.070	0.070	1.00
20	15:30	1.00	10.000	0.11	50.00	50.00	1.193	1.193	1.00
21	17:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:39	1.00	10.000	0.09	50.00	50.00	0.192	0.192	1.00
23	15:50	1.00	10.000	0.09	50.00	50.00	1.389	1.389	1.00
24	16:00	1.00	20.000	0.05	50.00	50.00	0.093	0.093	1.00
25	16:15	1.00	10.000	0.09	50.00	50.00	0.249	0.249	1.00
26	16:20	1.00	10.000	0.09	50.00	50.00	0.704	0.704	1.00
27	16:45	1.00	20.000	0.05	50.00	50.00	0.549	0.549	1.00
28	16:46	1.00	10.000	0.09	50.00	50.00	0.677	0.677	1.00
29	17:10	1.00	10.000	0.10	50.00	50.00	0.387	0.387	1.00
30	17:35	1.00	10.000	0.10	50.00	50.00	0.198	0.198	1.00
31	17:37	1.00	10.000	0.10	50.00	50.00	0.276	0.276	1.00
32	17:34	1.00	10.000	0.10	50.00	50.00	0.255	0.255	1.00
33	17:43	1.00	10.000	0.10	50.00	50.00	1.110	1.110	1.00
34	17:41	1.00	10.000	0.10	50.00	50.00	1.119	1.119	1.00
35	17:45	1.00	10.000	0.10	50.00	50.00	0.973	0.973	1.00
36	21:18	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	19:00	1.00	10.000	0.09	50.00	50.00	1.441	1.441	1.00
38	20:10	1.00	10.000	0.09	50.00	50.00	1.208	1.208	1.00
39	20:11	1.00	10.000	0.09	30.00	50.00	0.547	0.547	1.00
40	20:12	1.00	10.000	0.09	50.00	50.00	0.773	0.773	1.00
41	21:08	1.00	10.000	0.10	30.00	50.00	0.900	0.900	1.00
42	22:25	1.00	10.000	0.11	50.00	50.00	0.591	0.591	1.00
43	24:47	1.00	10.000	0.12	50.00	50.00	0.848	0.848	1.00
44	25:39	1.00	10.000	0.12	50.00	50.00	1.223	1.223	1.00
45	29:44	1.00	10.000	0.12	30.00	50.00	1.007	1.007	1.00
46	26:57	1.00	10.000	0.13	50.00	50.00	1.002	1.002	1.00
47	13:04	1.00	10.000	0.10	25.00	25.00	0.242	0.242	1.00

COMPU-CHEM LABORATORIES, INC.  
GC/MS ANALYSIS LOG

RUN LOG

PREVENTIVE MAINTENANCE

INITIAL TIME OF TUNE 12:44  
TIME TUNE EXPIRES 12:44

SHEETS (A) 1 (B) 1 (C) 1  
DATE 5/22/90  
ANALYSIS TYPE S720 v. 2.0

FILE NAME	DATE	TIME	EPA ID	CASE NO	STD ID #	ANALYST	CHEMIST	COMMENTS (UP #, Disposition, Etc.)
MS900522807	5/22/90	12:44	MS9005		7650	Lu1	1090	32109
MS900522807	5/22/90	13:03	MS9005		2387	Lu1	1090	31672
MS900522807	5/22/90	14:46	MS9005		2387	Lu1	1090	31672
MS900522807	5/22/90	17:36	MS9005		2387	Lu1	1090	32015
MS900522807	5/22/90	18:57	MS9005	20129		Lu1	1090	301 5/19/90
MS900522807	5/22/90	20:05	MS9005	10698		Lu1	1090	2.4.1.1. on 5/22/90
MS900522807	5/22/90	21:07	MS9005	20266		Lu1	1090	5/19/90
MS900522807	5/22/90	22:38	MS9005			Lu1	1090	~
MS900522807	5/22/90	23:41	MS9005			Lu1	1090	EXT. ANALYST
MS900522807	5/22/90	24:34	MS9005			Lu1	1090	PER 1432

VERIFIED Miller 5/22/90  
SUPERVISOR APPROVAL San



CONTINUING CALIBRATION CHECK  
MAST9

PAGE 1

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/15/90  
TIME: 8:31  
STANDARD FILE ID: H0900515A22  
MULTIPOINT DATE: 4/ 8/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF (50)	XD	CCC	SPCC	P/F
2 441 N-NITROSODIMETHYLAMINE (Q102)	2.016	0.786	61.0			
3 481 PYRIDINE (Z901)	3.082	1.761	42.3			
4 509 ETHYLMAHACRYLATE (Z902)	2.972	1.475	50.4			
5 542 PARALDEHYDE (Z903)	0.493	0.300	39.1			
6 510 2-PICOLINE (Z905a)	2.632	1.810	31.2			
7 535 NITROSOMETHYLETHYLAMINE (Z904)	1.122	0.426	62.0			
8 543 METHYL METHANE SULFONATE (Z905)	1.888	1.054	44.2			
9 499 N-NITROSODIETHYLAMINE (Z906)	1.108	0.870	21.5			
10 514 ETHYL METHANESULFONATE (Z907)	1.016	0.900	11.4			
11 610 PHENOL (Q103)	2.855	2.249	21.2	*		PASS
12 473 ANILINE (Q104)	3.693	2.961	19.6			
13 505 PENTACHLOROETHANE (Z908)	D.568	0.500	12.0			
14 411 BIS(2-CHLOROETHYL)ETHER (Q105)	2.697	2.097	22.2			
15 601 2-CHLOROPHENOL (Q106)	1.746	1.806	-3.4			
16 421 1,3-DICHLOROBENZENE (Q107)	1.726	1.780	-3.1			
17 506 BENZYL CHLORIDE (Z909)	3.502	3.143	42.9			
18 422 1,4-DICHLOROBENZENE (Q108)	1.805	1.693	6.2	*		PASS
19 474 BENZYL ALCOHOL (Q109)	1.181	1.034	12.4			
20 420 1,2-DICHLOROBENZENE (Q1010)	1.657	1.704	-2.8			
21 620 2-METHYLPHENOL (Q1011)	1.752	1.564	10.7			
22 412 BIS(2-CHLOROISOPROPYL)ETHER (Q1012)	2.817	1.942	31.1			
23 621 3-METHYLPHENOL (F102)	1.882	1.520	19.2			
24 622 4-METHYLPHENOL (Q1013)	1.882	1.520	19.2			
25 528 N-NITROSPYRROLIDINE (Z9010)	1.061	0.853	19.6			
26 544 N-NITROSOMORPHOLINE (Z9012)	0.436	0.449	-3.0			
27 500 ACETOPHENONE (Z9011)	3.177	2.187	31.2			
28 442 N-NITROSO-DI-N-PROPYLAMINE (Q1014)	2.225	1.341	39.7	**		PASS
29 512 O-TOLUIDINE HYDROCHLORIDE (Z9013)	2.433	1.957	19.6			
30 436 HEXACHLOROETHANE (Q1015)	1.091	0.898	17.7			
32 440 NITROBENZENE (Q1016)	0.784	0.506	35.5			
33 502 N-NITROPIPERIDINE	0.241	0.227	5.8			
34 438 ISOPHORONE (G202)	1.429	0.989	30.8			
35 603 2,4-DIMETHYLPHENOL (G204)	0.644	0.476	26.1			
36 606 2-NITROPHENOL (G203)	0.216	0.238	-10.2	*		PASS
37 451 1,3,5-TRICHLOROBENZENE (Z9022)	0.326	0.302	7.4			
38 518 BENZAL CHLORIDE (Z9016)	0.855	0.692	19.1			
39 625 BENZOIC ACID (G205)	0.218	0.229	-5.0			
40 410 BIS(2-CHLOROETHOXY)METHANE (G206)	0.704	0.514	27.0			
41 602 2,4-DICHLOROPHENOL (G207)	0.268	0.302	-12.7	*		PASS
42 446 1,2,4-TRICHLOROBENZENE (G208)	0.302	0.321	-6.3			
43 439 NAPHTHALENE (G209)	1.334	1.225	8.2			
44 475 4-CHLOROANILINE (G2010)	0.638	0.675	-5.8			
45 631 2,6-DICHLOROPHENOL (Z9018)	0.302	0.313	-3.6			
46 524 D-PHENYLENEDIAMINE (Z9019)	0.205	0.100	51.2			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(U4)

CONTINUING CALIBRATION CHECK  
MABTS

PAGE 2

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/19/90  
TIME: 8:31  
STANDARD FILE ID: H0900915A22  
MULTIPOINT DATE: 4/ 8/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
47 519 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9	0.074	0.086	-16.2			
48 537 HEXACHLOROPROPENE (Z9#21)	0.173	0.154	11.0			
49 434 HEXACHLOROBUTADIENE (G2#11)	0.139	0.139	9.2	*		PASS
50 450 1,2,3-TRICHLOROBENZENE (Z9#15)	0.300	0.279	7.0			
51 534 BENZOTRICHLORIDE (Z9#23)	0.482	0.400	17.0			
52 536 N-NITRO-DI-N-BUTYLAMINE (Z9#24)	0.406	0.175	56.9			
53 608 P-CHLORO-M-CRESOL (G2#12)	0.509	0.425	16.5	*		PASS
54 526 P-PHENYLENEDIAMINE (Z9#20)	0.082	0.033	59.8			
55 503 SAFROLE (Z9#27)	0.238	0.270	-4.7			
56 525 M-PHENYLENEDIAMINE (Z9#26)	0.128	0.002	98.4			
57 477 2-METHYLNAPHTHALENE (G2#13)	0.963	1.001	-3.9			
58 569 1-METHYLNAPHTHALENE (T2#28)	0.443	0.336	-21.0			
60 457 1,2,4,5-TETRACHLOROBENZENE (Z9#31)	0.582	0.442	24.1			
61 513 1,2,3,5-TETRACHLOROBENZENE (Z9#29)	0.582	0.442	24.1			
62 439 HEXACHLOROCYCLOPENTADIENE (G3#2)	0.216	0.217	-0.5		**	PASS
63 611 2,4,6-TRICHLOROPHENOL (G3#3)	0.363	0.360	0.8	*		PASS
64 626 2,4,5-TRICHLOROPHENOL (G3#4)	0.377	0.349	7.4			
65 527 ISOSAFROLE (Z9#30)	0.496	0.488	1.6			
66 416 2-CHLORONAPHTHALENE (G3#5)	1.529	1.324	13.0			
67 564 1-CHLORONAPHTHALENE (F4#2)	1.173	1.121	4.4			
68 456 1,2,3,4-TETRACHLOROBENZENE (Z9#28)	0.553	0.442	20.1			
69 478 2-NITROANILINE (G3#6)	0.626	0.459	26.7			
70 504 1,4-NAPHTHOQUINONE (Z9#32)	0.280	0.463	-65.4			
71 491 1,4-DINITROBENZENE (F3#2)	0.198	0.258	-30.3			
72 425 DIMETHYL PHTHALATE (G3#7)	1.529	1.413	7.6			
73 428 2,6-DINITROTOLUENE (G3#15)	0.299	0.334	-13.2			
74 402 ACENAPHTHYLENE (G3#8)	2.044	1.891	9.4			
75 479 3-NITROANILINE (G3#9)	0.359	0.392	-9.2			
76 401 ACENAPHTHENE (G3#10)	1.381	1.172	15.1	*		PASS
77 6605 2,4-DINITROPHENOL (G3#11)	0.108	0.142	-31.9		**	PASS
78 607 4-NITROPHENOL (G3#12)	0.339	0.220	35.1		**	PASS
79 427 2,4-DINITROTOLUENE (G3#14)	0.419	0.434	-4.6			
80 476 DIBENZOFURAN (G3#13)	1.707	1.577	7.6			
81 507 PENTACHLOROBENZENE (Z9#33)	0.447	0.365	18.3			
82 484 2-NAPHTHYLAMINE (Z9#35)	1.202	0.860	28.5			
83 483 1-NAPHTHYLAMINE (Z9#36)	1.196	0.925	22.7			
84 630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)	0.224	0.199	11.2			
85 424 DIETHYL PHTHALATE (G3#16)	1.717	1.536	10.5			
86 519 ZINDPHOB (Z9#38)	0.600	0.361	39.8			
87 417 4-CHLOROPHENYL PHENYL ETHER (G3#17)	0.486	0.475	2.3			
88 432 FLUORENE (G3#18)	1.345	1.243	7.6			
89 480 4-NITROANILINE (G3#19)	0.371	0.386	-4.0			
90 498 5-NITRO-O-TOLUIDINE (Z9#34)	0.379	0.424	-13.1			
91 430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9	3.052	2.172	28.8			

RF - RESPONSE FACTOR FROM DAILY STANDARD AT CONCENTRATION INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK COMPOUNDS (\*\*)

CONTINUING CALIBRATION CHECK  
 MAST3

PAGE 3

CASE NO:  
 CONTRACTOR: COMPUCHEM  
 CONTRACT NO:  
 INSTRUMENT ID: 22  
 MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/15/90  
 TIME: 8:31  
 STANDARD FILE ID: H0900515A22  
 MULTIPOINT DATE: 4/ 8/90  
 MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50 )	XD	CCC	SPCC	P/F
95 #619 2-FLUOROPHENOL (SS#1)	1.868	1.675	10.3			
96 #612 D5-PHENOL (SS#2)	2.372	1.986	22.8			
97 #447 D5-NITROBENZENE (SS#3)	0.776	0.478	38.4			
98 #448 2-FLUOROBIPHENYL (SS#4)	1.365	1.198	12.2			
99 #628 2,4,6-TRIBROMOPHENOL (SS#5)	0.152	0.117	23.0			
*1 #471 D10-PYRENE (SS#6)	1.111	1.259	-13.3			
*1 #496 D14-TERPHENYL (SS#7)	0.964	1.017	-5.5			

RF - RESPONSE FACTOR FROM DAILY  
 STANDARD AT CONCENTRATION  
 INDICATED  
 AVG RF - AVERAGE RESPONSE FACTOR  
 FROM INITIAL CALIBRATION

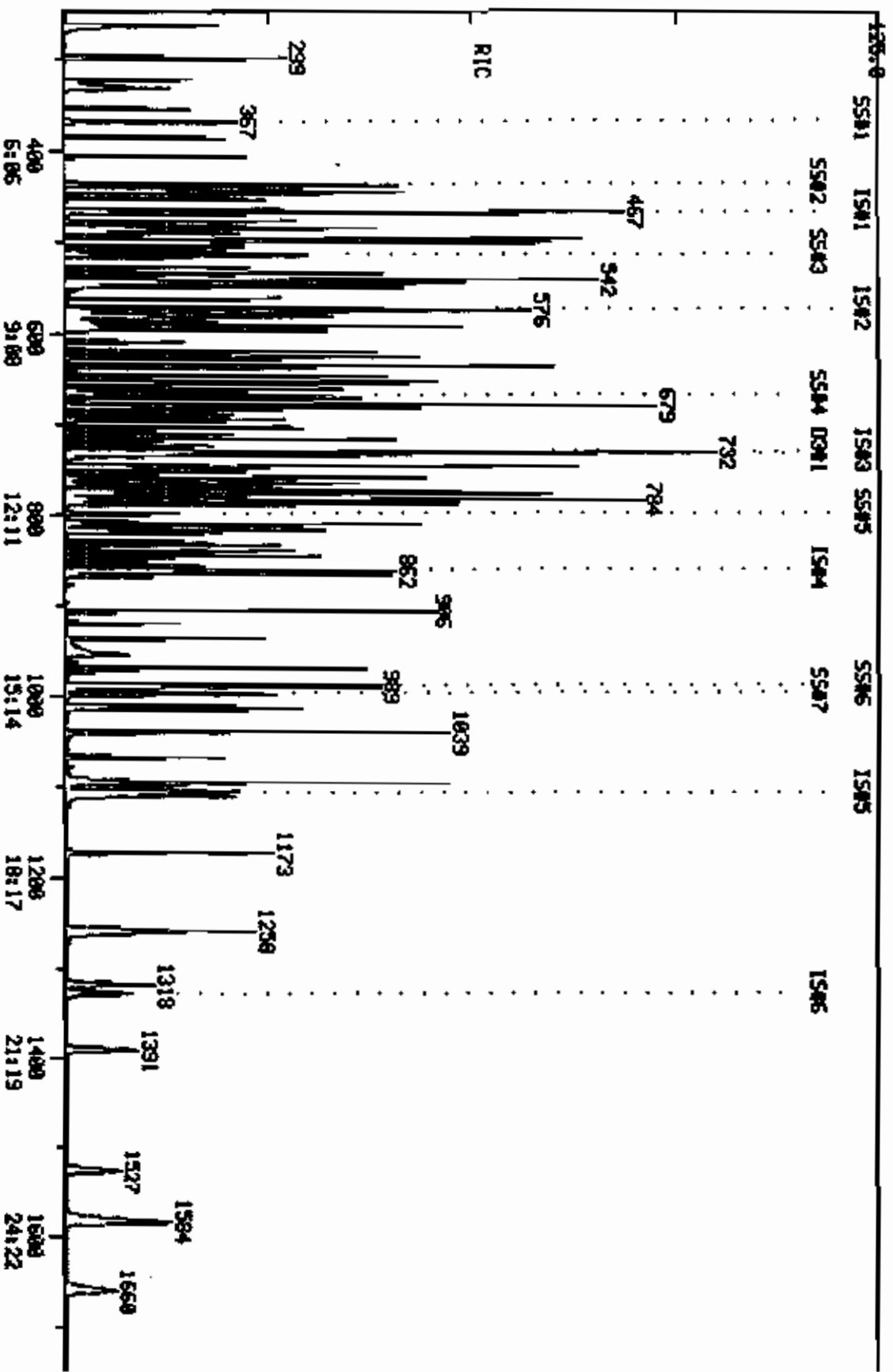
XD - PERCENT DIFFERENCE  
 CCC - CALIBRATION CHECK COMPOUNDS (\*)  
 SPCC - SYSTEM PERFORMANCE CHECK  
 COMPOUNDS (\*\*)

(1/4)

RIC  
 06/15/90 9:31:00  
 SAMPLE: 2 UL 0270 URS.111 STORED 2007 (91672)  
 COND. 1

COMPUCHEN LABS

COMPUCHEN DATA: HQ3906515022 SQMMS 247 TO 1747  
 OUT OF 247 TO 1800



COMPUCHEN LABS  
R1C  
05/15/90 01:31:00  
SAMPLE: 2 UL 8270 VERS.111 STORED 2387(31672)  
COND5.1

COMPUCHEN DATA: HCS98015422 SCANS 1747 TO 1800  
OUT OF 247 TO 1800

2085390.

1800  
27:25

SCAN  
TIME

QUANTITATION REPORT FILE: H0900515A22  
DATA: H0900515A22.T1  
05/15/90 8:31:00  
SAMPLE: 2 UL B270 VERS. III STD050 2387(31672)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 740

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I801)
2	441 N-NITROSODIMETHYLAMINE (G102) <62-75-9>
3	401 PYRIDINE (Z901)
4	309 ETHYLACRYLATE (Z902)
5	342 FORMALDEHYDE (Z903)
6	310 2-PICOLINE (Z903a)
7	335 NITROSOMETHYLETHYLAMINE (Z904) <10593-93-6>
8	343 METHYL METHANE SULFONATE (Z905) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z906)
10	314 ETHYL METHANESULFONATE (Z907) <62-50-0>
11	610 PHENOL (G103) <108-95-2>
12	473 ANILINE (G104) <62-53-3>
13	305 PENTACHLOROETHANE (Z908)
14	411 BIS(2-CHLOROETHYL)ETHER (G105) <111-44-4>
15	601 2-CHLOROPHENOL (G106) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G107) <541-73-1>
17	306 BENZYL CHLORIDE (Z909)
18	422 1,4-DICHLOROBENZENE (G108) <106-46-7>
19	474 BENZYL ALCOHOL (G109) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1010) <95-50-1>
21	620 2-METHYLPHENOL (G1011) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1012) <39638-32-9>
23	621 3-METHYLPHENOL (F102) <108-39-4>
24	622 4-METHYLPHENOL (G1013) <106-44-5>
25	328 N-NITROSOPYRROLIDINE (Z9010) <930-55-2>
26	344 N-NITROSOMORPHOLINE (Z9012) <59-89-2>
27	300 ACETOPHENONE (Z9011)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1014) <621-64-7>
29	312 O-TOLUIDINE HYDROCHLORIDE (Z9013)
30	436 HEXACHLOROETHANE (G1015) <67-72-1>
31	*460 DB-NAPHTHALENE (I802)
32	440 NITROBENZENE (G1016) <98-95-3>
33	302 N-NITROSOPIPERIDINE
34	438 ISOPHORONE (G202) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G204) <105-67-9>
36	606 2-NITROPHENOL (G203) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9022) <180-20-3>
38	318 BENZAL CHLORIDE (Z9016) <98-87-3>
39	625 BENZOIC ACID (G205) <65-83-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G206) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G207) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G208) <120-82-1>
43	439 NAPHTHALENE (G209) <91-20-3>
44	475 4-CHLORODANILINE (G210) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9018)
46	324 D-PHENYLENEOJAMINE (Z9019) <108-45-2>

NO	NAME
47	915 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	937 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#13) <87-61-6>
51	934 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	936 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	926 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	909 SAFROLE (Z9#27)
56	925 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	969 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	495 D10-ACENAPHTHENE (I8#3)
60	497 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	439 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-93-4>
65	927 IBOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	964 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	904 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#13) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	907 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-46-2>
86	919 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUDRENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-D-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (I8#4)
93	*459 D12-CHRYSENE (I8#5)
94	*497 D10-PERYLENE (I8#6)
95	6619 2-FLUOROPHENOL (S8#1)
96	6612 D5-PHENOL (S8#2)
97	6447 D5-NITROBENZENE (S8#3)
98	6448 2-FLUOROBIPHENYL (S8#4)
99	6628 2,4,6-TRIBROMOPHENOL (S8#5)
100	6471 D10-PYRENE (S8#6)
101	6496 D14-TERPHENYL (S8#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	ZTOT
1	152	466	7:06	1	1.000	A BB	142812.	40.000 NO	0.75
2	42	262	3:59	1	0.562	A BB	140284.	50.000 NO	0.94
3	79	263	4:00	1	0.564	A BB	314436.	50.000 NO	0.94
4	69	299	4:33	1	0.642	A BB	263324.	50.000 NO	0.94
5	89	298	4:32	1	0.639	A BB	53468.	50.000 NO	0.94
6	93	322	4:54	1	0.691	A BB	323060.	50.000 NO	0.94
7	88	332	5:03	1	0.712	A BB	303872.	200.000 NO	3.75
8	80	354	5:23	1	0.760	A BB	188088.	50.000 NO	0.94
9	102	385	5:52	1	0.826	A BB	155260.	50.000 NO	0.94
10	109	406	6:11	1	0.871	A BB	160696.	50.000 NO	0.94
11	94	437	6:39	1	0.938	A BV	401536.	50.000 NO	0.94
12	93	442	6:44	1	0.948	M XX	928592.	50.000 NO	0.94
13	167	444	6:46	1	0.953	A BB	89232.	50.000 NO	0.94
14	93	444	6:46	1	0.953	M XX	374259.	50.000 NO	0.94
15	128	451	6:52	1	0.968	A BB	322424.	50.000 NO	0.94
16	146	463	7:03	1	0.994	A BV	317792.	50.000 NO	0.94
17	91	467	7:07	1	1.002	A BB	560988.	50.000 NO	0.94
18	146	467	7:07	1	1.002	A VB	302236.	50.000 NO	0.94
19	108	476	7:15	1	1.021	A BV	184556.	50.000 NO	0.94
20	146	483	7:21	1	1.036	A BB	304204.	50.000 NO	0.94
21	108	486	7:24	1	1.043	A VV	279140.	50.000 NO	0.94
22	45	489	7:27	1	1.049	A BB	346720.	50.001 NO	0.94
23	108	497	7:34	1	1.067	A VV 271286	542572.	100.002 NO	1.87
24	108	497	7:34	1	1.067	A VV 271286	542572.	100.002 NO	1.87
25	100	499	7:36	1	1.071	A BB	152304.	50.000 NO	0.94
26	116	499	7:36	1	1.071	A BB	80156.	50.000 NO	0.94
27	105	500	7:37	1	1.073	A BB	390496.	50.000 NO	0.94
28	70	501	7:38	1	1.075	A BB	239340.	50.000 NO	0.94
29	106	503	7:40	1	1.079	A BB	349324.	50.000 NO	0.94
30	117	510	7:46	1	1.094	A BB	160380.	50.000 NO	0.94
31	136	574	8:49	31	1.000	A BB	944028.	40.000 NO	0.75
32	77	515	7:51	31	0.897	A BB	344232.	50.000 NO	0.94
33	114	527	8:02	31	0.918	A BB	154068.	50.000 NO	0.94
34	82	534	8:08	31	0.930	A BB	672376.	50.000 NO	0.94
35	107	542	8:15	31	0.944	A BV	323596.	50.000 NO	0.94
36	139	542	8:15	31	0.944	A BB	161696.	50.000 NO	0.94
37	180	543	8:16	31	0.946	A BB	205308.	50.000 NO	0.94
38	125	545	8:18	31	0.949	A BB	470296.	50.000 NO	0.94
39	122	549	8:22	31	0.956	A VV	155800.	50.000 NO	0.94
40	93	550	8:23	31	0.958	A BB	349920.	50.000 NO	0.94
41	162	561	8:33	31	0.977	A BB	205352.	50.000 NO	0.94
42	180	570	8:41	31	0.993	A BB	218064.	50.000 NO	0.94
43	128	576	8:46	31	1.003	A BB	832876.	50.000 NO	0.94
44	127	579	8:49	31	1.009	A BB	459308.	50.000 NO	0.94
45	162	581	8:51	31	1.012	A BB	212652.	50.000 NO	0.94
46	108	574	8:49	31	1.000	A VB	67720.	50.000 NO	0.94
47	91	591	9:00	31	1.030	A VB	98540.	50.000 NO	0.94
48	213	586	8:55	31	1.021	A BB	104464.	50.000 NO	0.94
49	225	590	8:59	31	1.028	A BB	94200.	50.000 NO	0.94
50	180	591	9:00	31	1.030	A BB	189760.	50.000 NO	0.94
51	159	596	9:05	31	1.038	A BB	271848.	50.000 NO	0.94
52	84	609	9:17	31	1.061	A BB	119208.	50.000 NO	0.94
53	107	619	9:26	31	1.078	A BV	288960.	50.000 NO	0.94
54	108	619	9:26	31	1.078	A BB	22120.	50.000 NO	0.94
55	162	626	9:32	31	1.091	A BB	183464.	50.000 NO	0.94
56	108	626	9:32	31	1.091	A+BB	1448.	50.000 NO	0.94



NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGMT)	AMOUNT	XTOT
57	142	636	9:41	31	1.108	A BB	680920.	50.000 NG	0.94
58	142	645	9:49	31	1.124	A BB	364356.	50.000 NG	0.94
59	164	729	11:06	59	1.000	A BB	287056.	40.000 NG	0.75
60	216	653	9:57	59	0.896	A BB	316788.	100.002 NG	1.87
61	216	653	9:57	59	0.896	A BB	316788.	100.002 NG	1.87
62	237	655	9:59	59	0.898	A BB	78016.	50.000 NG	0.94
63	196	661	10:04	59	0.907	M XX	129348.	50.000 NG	0.94
64	196	664	10:07	59	0.911	M XX	125182.	50.000 NG	0.94
65	162	671	10:13	59	0.920	A BB	175176.	50.000 NG	0.94
66	162	679	10:20	59	0.931	M XX	479816.	50.000 NG	0.94
67	162	682	10:23	59	0.936	M XX	402220.	50.000 NG	0.94
68	216	679	10:20	59	0.931	A BB	158644.	50.000 NG	0.94
69	63	687	10:28	59	0.942	A BV	164704.	50.000 NG	0.94
70	158	693	10:33	59	0.951	A BB	166236.	50.000 NG	0.94
71	168	696	10:36	59	0.955	A BB	92672.	50.000 NG	0.94
72	163	703	10:42	59	0.964	A BB	506980.	50.000 NG	0.94
73	165	710	10:49	59	0.974	A BB	119780.	50.000 NG	0.94
74	152	716	10:54	59	0.982	A BB	664332.	50.000 NG	0.94
75	138	723	11:01	59	0.992	A BV	140484.	50.000 NG	0.94
76	153	732	11:09	59	1.004	A BB	420368.	50.000 NG	0.94
77	184	732	11:09	59	1.004	A BB	51108.	50.000 NG	0.94
78	109	735	11:12	59	1.008	A BV	78872.	50.000 NG	0.94
79	165	745	11:21	59	1.022	A BB	155848.	50.000 NG	0.94
80	168	746	11:22	59	1.023	A BB	565684.	50.000 NG	0.94
81	250	748	11:24	59	1.026	A BB	131036.	50.000 NG	0.94
82	143	753	11:28	59	1.033	A VV	308572.	50.000 NG	0.94
83	143	759	11:34	59	1.041	A VV	331851.	50.000 NG	0.94
84	232	759	11:34	59	1.041	A BB	71368.	50.000 NG	0.94
85	149	765	11:39	59	1.049	A BV	551300.	50.000 NG	0.94
86	97	773	11:46	59	1.060	A BB	129572.	50.000 NG	0.94
87	204	774	11:47	59	1.062	A BB	170584.	50.000 NG	0.94
88	166	777	11:50	59	1.066	A BV	446172.	50.000 NG	0.94
89	138	778	11:51	59	1.067	A BV	138388.	50.000 NG	0.94
90	152	777	11:50	59	1.066	A BV	152056.	50.000 NG	0.94
91	77	788	12:00	59	1.081	A VB	779177.	50.000 NG	0.94
92	188	860	13:06	92	1.000	A BB	382920.	40.000 NG	0.75
93	240	1106	16:51	93	1.000	A BB	261732.	40.000 NG	0.75
94	264	1327	20:13	94	1.000	A BB	206265.	40.000 NG	0.75
95	112	367	5:35	1	0.788	A BB	298948.	50.000 NG	0.94
96	99	436	6:38	1	0.936	A BV	354568.	50.000 NG	0.94
97	82	513	7:49	31	0.894	A BB	325176.	50.000 NG	0.94
98	172	667	10:10	59	0.915	A BB	429936.	50.000 NG	0.94
99	330	799	12:10	59	1.096	A BB	41916.	50.000 NG	0.94
100	212	987	15:02	93	0.892	A BV	411961.	50.000 NG	0.94
101	244	997	15:11	93	0.901	A BB	332653.	50.000 NG	0.94

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:59	1.00	10.000	0.06	50.00	50.00	0.786	0.786	1.00
3	4:00	1.00	10.000	0.06	50.00	50.00	1.761	1.761	1.00
4	4:33	1.00	10.000	0.06	50.00	50.00	1.475	1.475	1.00
5	4:32	1.00	10.000	0.06	50.00	50.00	0.300	0.300	1.00
6	4:54	1.00	20.000	0.03	50.00	50.00	1.810	1.810	1.00
7	5:03	1.00	10.000	0.07	200.00	200.00	0.426	0.426	1.00
8	5:23	1.00	10.000	0.08	50.00	50.00	1.054	1.054	1.00
9	5:52	1.00	10.000	0.08	50.00	50.00	0.870	0.870	1.00

NO	RET(L)	RATIO	RRT(L)	RATID	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:11	1.00	10.000	0.09	50.00	50.00	0.900	0.900	1.00
11	6:39	1.00	10.000	0.09	50.00	50.00	2.249	2.249	1.00
12	6:44	1.00	10.000	0.09	50.00	50.00	2.961	2.961	1.00
13	6:46	1.00	10.000	0.10	50.00	50.00	0.500	0.500	1.00
14	6:46	1.00	20.000	0.05	50.00	50.00	2.097	2.097	1.00
15	6:52	1.00	10.000	0.10	50.00	50.00	1.806	1.806	1.00
16	7:03	1.00	10.000	0.10	50.00	50.00	1.780	1.780	1.00
17	7:07	1.00	10.000	0.10	50.00	50.00	3.143	3.143	1.00
18	7:07	1.00	10.000	0.10	50.00	50.00	1.693	1.693	1.00
19	7:15	1.00	10.000	0.10	50.00	50.00	1.034	1.034	1.00
20	7:21	1.00	10.000	0.10	50.00	50.00	1.704	1.704	1.00
21	7:24	1.00	10.000	0.10	50.00	50.00	1.564	1.564	1.00
22	7:27	1.00	10.000	0.10	50.00	50.00	1.942	1.942	1.00
23	7:34	1.00	10.000	0.11	100.00	100.00	1.520	1.520	1.00
24	7:34	1.00	10.000	0.11	100.00	100.00	1.520	1.520	1.00
25	7:36	1.00	10.000	0.11	50.00	50.00	0.853	0.853	1.00
26	7:36	1.00	10.000	0.11	50.00	50.00	0.449	0.449	1.00
27	7:37	1.00	10.000	0.11	50.00	50.00	2.187	2.187	1.00
28	7:38	1.00	10.000	0.11	50.00	50.00	1.341	1.341	1.00
29	7:40	1.00	10.000	0.11	50.00	50.00	1.957	1.957	1.00
30	7:46	1.00	10.000	0.11	50.00	50.00	0.898	0.898	1.00
31	8:45	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:51	1.00	10.000	0.09	50.00	50.00	0.506	0.506	1.00
33	8:02	1.00	10.000	0.09	50.00	50.00	0.227	0.227	1.00
34	8:08	1.00	10.000	0.09	50.00	50.00	0.989	0.989	1.00
35	8:15	1.00	10.000	0.09	50.00	50.00	0.476	0.476	1.00
36	8:15	1.00	10.000	0.09	50.00	50.00	0.238	0.238	1.00
37	8:16	1.00	10.000	0.09	50.00	50.00	0.302	0.302	1.00
38	8:18	1.00	10.000	0.09	50.00	50.00	0.692	0.692	1.00
39	8:22	1.00	100.000	0.01	50.00	50.00	0.229	0.229	1.00
40	8:23	1.00	10.000	0.10	50.00	50.00	0.514	0.514	1.00
41	8:33	1.00	10.000	0.10	50.00	50.00	0.302	0.302	1.00
42	8:41	1.00	10.000	0.10	50.00	50.00	0.321	0.321	1.00
43	8:46	1.00	10.000	0.10	50.00	50.00	1.225	1.225	1.00
44	8:49	1.00	10.000	0.10	50.00	50.00	0.675	0.675	1.00
45	8:51	1.00	20.000	0.05	50.00	50.00	0.313	0.313	1.00
46	8:45	1.00	10.000	0.10	50.00	50.00	0.100	0.100	1.00
47	9:00	1.00	10.000	0.10	50.00	50.00	0.086	0.086	1.00
48	8:55	1.00	10.000	0.10	50.00	50.00	0.154	0.154	1.00
49	8:59	1.00	10.000	0.10	50.00	50.00	0.139	0.139	1.00
50	9:00	1.00	10.000	0.10	50.00	50.00	0.279	0.279	1.00
51	9:05	1.00	20.000	0.05	50.00	50.00	0.400	0.400	1.00
52	9:17	1.00	10.000	0.11	50.00	50.00	0.175	0.175	1.00
53	9:26	1.00	10.000	0.11	50.00	50.00	0.425	0.425	1.00
54	9:26	1.00	10.000	0.11	50.00	50.00	0.033	0.033	1.00
55	9:32	1.00	10.000	0.11	50.00	50.00	0.270	0.270	1.00
56	9:32	1.00	10.000	0.11	50.00	50.00	0.002	0.002	1.00
57	9:41	1.00	10.000	0.11	50.00	50.00	1.001	1.001	1.00
58	9:49	1.00	10.000	0.11	50.00	50.00	0.536	0.536	1.00
59	11:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	9:57	1.00	10.000	0.09	100.00	100.00	0.442	0.442	1.00
61	9:57	1.00	10.000	0.09	100.00	100.00	0.442	0.442	1.00
62	9:59	1.00	10.000	0.09	50.00	50.00	0.217	0.217	1.00
63	10:04	1.00	20.000	0.05	50.00	50.00	0.360	0.360	1.00
64	10:07	1.00	20.000	0.05	50.00	50.00	0.349	0.349	1.00
65	10:13	1.00	20.000	0.05	50.00	50.00	0.488	0.488	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:20	1.00	10.000	0.09	50.00	50.00	1.326	1.326	1.00
67	10:23	1.00	10.000	0.09	50.00	50.00	1.121	1.121	1.00
68	10:20	1.00	10.000	0.09	50.00	50.00	0.442	0.442	1.00
69	10:28	1.00	10.000	0.09	50.00	50.00	0.439	0.439	1.00
70	10:33	1.00	20.000	0.05	50.00	50.00	0.463	0.463	1.00
71	10:36	1.00	20.000	0.05	50.00	50.00	0.258	0.258	1.00
72	10:42	1.00	10.000	0.10	50.00	50.00	1.413	1.413	1.00
73	10:49	1.00	10.000	0.10	50.00	50.00	0.334	0.334	1.00
74	10:54	1.00	10.000	0.10	50.00	50.00	1.851	1.851	1.00
75	11:01	1.00	20.000	0.05	50.00	50.00	0.392	0.392	1.00
76	11:09	1.00	10.000	0.10	50.00	50.00	1.172	1.172	1.00
77	11:09	1.00	40.000	0.03	50.00	50.00	0.142	0.142	1.00
78	11:12	1.00	10.000	0.10	50.00	50.00	0.220	0.220	1.00
79	11:21	1.00	10.000	0.10	50.00	50.00	0.434	0.434	1.00
80	11:22	1.00	10.000	0.10	50.00	50.00	1.577	1.577	1.00
81	11:24	1.00	10.000	0.10	50.00	50.00	0.365	0.365	1.00
82	11:28	1.00	20.000	0.05	50.00	50.00	0.860	0.860	1.00
83	11:34	1.00	20.000	0.05	50.00	50.00	0.925	0.925	1.00
84	11:34	1.00	20.000	0.05	50.00	50.00	0.199	0.199	1.00
85	11:39	1.00	10.000	0.10	50.00	50.00	1.536	1.536	1.00
86	11:46	1.00	10.000	0.11	50.00	50.00	0.361	0.361	1.00
87	11:47	1.00	10.000	0.11	50.00	50.00	0.475	0.475	1.00
88	11:50	1.00	10.000	0.11	50.00	50.00	1.243	1.243	1.00
89	11:51	1.00	20.000	0.05	50.00	50.00	0.386	0.386	1.00
90	11:50	1.00	20.000	0.05	50.00	50.00	0.424	0.424	1.00
91	12:00	1.00	10.000	0.11	50.00	50.00	2.171	2.171	1.00
92	13:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	20:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:35	1.00	0.742	1.06	50.00	50.00	1.675	1.675	1.00
96	6:38	1.00	0.948	0.99	50.00	50.00	1.986	1.986	1.00
97	7:49	1.00	0.875	1.02	50.00	50.00	0.478	0.478	1.00
98	10:10	1.00	0.906	1.01	50.00	50.00	1.198	1.198	1.00
99	12:10	1.00	1.118	0.98	50.00	50.00	0.117	0.117	1.00
100	15:02	1.00	10.000	0.09	50.00	50.00	1.259	1.259	1.00
101	15:11	1.00	0.907	0.99	50.00	50.00	1.017	1.017	1.00

CONTINUING CALIBRATION CHECK  
MAST6

PAGE 1

CASE NO:  
CONTRACTOR: COMPUCHEN  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/13/90  
TIME: 8:31  
STANDARD FILE ID: H0900515A22  
MULTIPOINT DATE: 4/ 8/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	BPCC	P/P
2 604 4,6-DINITRO-2-METHYLPHENOL (G462)	0.107	0.143	-33.6			
3 443 N-NITROSODIPHENYLAMINE (G463)	0.744	0.693	6.9	*		PASS
4 567 DIPHENYLAMINE (F363)	0.744	0.693	6.9			
5 508 1,3,5-TRINITROBENZENE (Z941)	0.079	0.090	-20.0			
6 539 PHENACETIN (Z942)	0.737	0.525	28.8			
7 414 4-BROMOPHENYL PHENYL ETHER (G464)	0.207	0.182	12.1			
8 577 DIALLATE (TRANS ISOMER)	0.111	0.114	-2.7			
9 541 DIMETHOATE (Z944)	0.163	0.156	4.3			
10 433 HEXACHLOROBENZENE (G465)	0.267	0.227	15.0			
11 485 4-AMINODIPHENYL (Z945)	0.714	0.731	-2.4			
12 522 PRONAHIDE (Z946)	0.430	0.379	15.8			
13 609 PENTACHLOROPHENOL (G466)	0.138	0.130	5.8	*		PASS
14 453 PENTACHLORONITROBENZENE (Z947)	0.105	0.073	30.9			
15 444 PHENANTHRENE (G467)	1.246	1.244	0.2			
16 403 ANTHRACENE (G468)	1.208	1.219	-0.9			
17 426 DI-N-BUTYL PHTHALATE (G469)	1.979	1.798	9.1			
18 516 METHAPYRILENE (Z948)	0.665	0.448	32.6			
19 549 CYCLOPHOSPHAMIDE (Z949)	0.024	0.023	-4.2			
20 431 FLUORANTHENE (G470)	1.228	1.086	11.6	*		PASS
22 404 BENZIOINE (G502)	0.176	0.138	21.6			
23 445 PYRENE (G503)	1.325	1.572	-18.6			
24 530 ARAMITE (Z950)	0.120	0.036	70.0			
25 487 P-DIMETHYLAMINOAZOBENZENE (Z951)	0.219	0.239	-18.3			
26 523 CHLOROBENZILATE (Z952)	0.888	0.923	-3.9			
27 545 3,3'-DIMETHYLBENZIOINE (Z953)	0.481	0.444	7.7			
28 415 BUTYLBENZYL PHTHALATE (G504)	1.011	1.131	-11.9			
29 488 2-ACETYLAMINO FLUDRENE (F502)	0.503	0.572	-13.7			
30 489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z	0.190	0.175	7.9			
31 423 3,3'-DICHLOROBENZIDINE (G505)	0.277	0.236	7.6			
32 533 DIMETHOXYBENZIDINE (Z957)	0.219	0.164	25.1			
33 413 BIS(2-ETHYLHEXYL) PHTHALATE (G507)	1.355	1.464	-8.0			
34 405 BENZO(A)ANTHRACENE (G506)	1.137	1.113	2.1			
35 418 CHRYSENE (G508)	1.071	1.072	-0.1			
37 429 DI-N-OCTYL PHTHALATE (G602)	2.440	2.991	-22.6	*		PASS
38 407 BENZO(B)FLUORANTHENE (G603)	0.917	0.947	-3.3			
39 517 7,12-DIMETHYLBENZANTHRACENE (Z955)	0.531	0.506	4.7			
40 409 BENZO(K)FLUORANTHENE (G604)	0.917	0.947	-3.3			
41 406 BENZO(A)PYRENE (G605)	1.081	1.167	-8.0	*		PASS
42 565 3-METHYLCHLORANTHRENE (F602)	0.608	0.642	-9.6			
43 566 0(BENZO(A,J)ACRIDINE	0.798	0.948	-18.8			
44 437 INDENO(1,2,3-C,D)PYRENE (G606)	1.092	1.317	-20.6			
45 419 0(BENZO(A,H)ANTHRACENE (G607)	0.890	1.094	-22.9			
46 408 BENZO(Q,H,I)PERYLENE (G608)	0.893	1.061	-18.8			
47 576 DIALLATE (C18 ISOMER)	0.500	0.149	70.2			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED

AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
BPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

QUANTITATION REPORT FILE: H0900515A22  
DATA: H0900515A22.TI  
05/15/90 8:31:00  
SAMPLE: 2 UL B270 VERS. III STD050 2387(31472)  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 740

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

NO	NAME
1	*467 DIO-PHENANTHRENE (I804)
2	604 4,6-DINITRO-2-METHYLPHENOL (G402) <334-32-1>
3	443 N-NITROSODIPHENYLAMINE (G403) <86-30-6>
4	567 DIPHENYLAMINE (F303)
5	508 1,3,5-TRINITROBENZENE (Z9041)
6	539 PHENACETIN (Z9042) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G404) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9044)
10	433 HEXACHLOROBENZENE (G405) <118-74-1>
11	485 4-AMINOBIPHENYL (Z9045)
12	522 PRONAMIDE (Z9046)
13	609 PENTACHLOROPHENOL (G406) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9047)
15	444 PHENANTHRENE (G407) <85-01-8>
16	403 ANTHRACENE (G408) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G409) <84-74-2>
18	516 METHAPYRILENE (Z9048)
19	549 CYCLOPHOSPHAMIDE (Z9049)
20	431 FLUORANTHENE (G410) <206-44-0>
21	*459 D12-CHRYSENE (I805)
22	404 BENZIDINE (G502) <92-87-5>
23	445 PYRENE (G503) <129-00-0>
24	530 ARANITE (Z9050) <140-37-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9051)
26	523 CHLOROBENZILATE (Z9052)
27	545 3,3'-DIMETHYLBENZIDINE (Z9053)
28	413 BUTYLBENZYL PHTHALATE (G504) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F502)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z9054)
31	423 3,3'-DICHLOROBENZIDINE (G505) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9057)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G507) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G506) <34-55-3>
35	418 CHRYSENE (G508) <218-01-9>
36	*497 D10-PERYLENE (I806)
37	429 DI-N-OCTYL PHTHALATE (G602) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G603) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9055)
40	409 BENZO(K)FLUORANTHENE (G604) <207-08-9>
41	406 BENZO(A)PYRENE (G605) <90-32-8>
42	565 3-METHYLCHLORANTHRENE (F602)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (G606) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G607) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (G608) <191-24-2>

NO NAME  
47 576 DIALATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	188	860	13:06	1	1.000	A BB	382920.	40.000 NG	1.53
2	198	782	11:55	1	0.909	A BB	68384.	50.000 NG	1.91
3	169	784	11:56	1	0.912	A VV <sup>33190</sup>	2663804.	100.001 NG	3.82
4	169	784	11:56	1	0.912	A VV <sup>33190</sup>	2663804.	100.001 NG	3.82
5	213	807	12:17	1	0.938	A BB	43136.	50.000 NG	1.91
6	108	811	12:21	1	0.943	A VV	251062.	50.000 NG	1.91
7	248	817	12:27	1	0.950	A BB	87336.	50.000 NG	1.91
8	234	811	12:21	1	0.943	A BB	27328.	25.000 NG	0.95
9	125	828	12:37	1	0.963	A BB	74572.	50.000 NG	1.91
10	284	833	12:41	1	0.969	A BB	108448.	50.000 NG	1.91
11	169	840	12:48	1	0.977	A BV	349836.	50.000 NG	1.91
12	173	845	12:52	1	0.983	A BV	181192.	50.000 NG	1.91
13	266	847	12:54	1	0.985	A BV	62000.	50.000 NG	1.91
14	237	854	13:00	1	0.993	A BB	35112.	50.000 NG	1.91
15	178	862	13:08	1	1.002	A BV	595516.	50.000 NG	1.91
16	178	866	13:11	1	1.007	A VB	583316.	50.000 NG	1.91
17	149	906	13:48	1	1.053	A VB	860670.	50.000 NG	1.91
18	97	936	14:15	1	1.088	A BV	214236.	50.000 NG	1.91
19	211	954	14:32	1	1.109	A BV	48112.	200.000 NG	7.63
20	202	968	14:45	1	1.126	A VB	519859.	50.000 NG	1.91
21	240	1106	14:51	21	1.000	A BB	261732.	40.000 NG	1.53
22	184	975	14:51	21	0.882	A BB	45284.	50.000 NG	1.91
23	202	989	15:04	21	0.894	A VB	514278.	50.000 NG	1.91
24	185	988	15:03	21	0.893	A BB	11728.	50.000 NG	1.91
25	225	1010	15:23	21	0.913	A BB	84588.	50.000 NG	1.91
26	139	1013	15:26	21	0.916	A BB	301816.	50.000 NG	1.91
27	212	1039	15:49	21	0.939	A BV	145160.	50.000 NG	1.91
28	149	1039	15:49	21	0.939	A BV	369953.	50.000 NG	1.91
29	181	1067	16:15	21	0.965	A BV	187108.	50.000 NG	1.91
30	231	1094	16:40	21	0.989	A BB	57164.	50.000 NG	1.91
31	252	1097	16:42	21	0.992	A BB	83780.	50.000 NG	1.91
32	244	1092	16:38	21	0.987	A BB	53576.	50.000 NG	1.91
33	149	1096	16:42	21	0.991	A BV	478820.	50.000 NG	1.91
34	228	1104	16:49	21	0.998	A BV	364281.	50.000 NG	1.91
35	228	1110	16:54	21	1.004	A VB	350726.	50.000 NG	1.91
36	264	1327	20:13	36	1.000	A BB	206269.	40.000 NG	1.53
37	149	1173	17:52	36	0.884	A BB	771268.	50.000 NG	1.91
38	252	1258	19:10	36	0.948	A BB <sup>24428</sup>	488255.	100.000 NG	3.82
39	256	1258	19:10	36	0.948	A BB	130528.	50.000 NG	1.91
40	252	1258	19:10	36	0.948	A BB <sup>24428</sup>	488255.	100.000 NG	3.82
41	252	1317	20:03	36	0.992	A BB	300857.	50.000 NG	1.91
42	268	1391	21:11	36	1.048	A BV	165388.	50.000 NG	1.91
43	279	1527	23:15	36	1.151	A BB	244388.	50.000 NG	1.91
44	276	1584	24:07	36	1.194	A BB	339521.	50.000 NG	1.91
45	278	1584	24:07	36	1.194	A BB	282036.	50.000 NG	1.91
46	276	1659	25:16	36	1.250	A BB	273435.	50.000 NG	1.91
47	234	819	12:28	1	0.952	A BB	35736.	25.000 NG	0.95

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	11:55	1.00	30.000	0.03	50.00	50.00	0.143	0.143	1.00
3	11:56	1.00	10.000	0.09	100.00	100.00	0.693	0.693	1.00
4	11:56	1.00	10.000	0.09	100.00	100.00	0.693	0.693	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:17	1.00	20.000	0.05	50.00	50.00	0.090	0.090	1.00
6	12:21	1.00	10.000	0.09	50.00	50.00	0.525	0.525	1.00
7	12:27	1.00	10.000	0.09	50.00	50.00	0.182	0.182	1.00
8	12:21	1.00	10.000	0.09	25.00	25.00	0.114	0.114	1.00
9	12:37	1.00	10.000	0.10	50.00	50.00	0.156	0.156	1.00
10	12:41	1.00	10.000	0.10	50.00	50.00	0.227	0.227	1.00
11	12:48	1.00	10.000	0.10	50.00	50.00	0.731	0.731	1.00
12	12:52	1.00	10.000	0.10	50.00	50.00	0.379	0.379	1.00
13	12:54	1.00	20.000	0.05	50.00	50.00	0.130	0.130	1.00
14	13:00	1.00	10.000	0.10	50.00	50.00	0.073	0.073	1.00
15	13:08	1.00	10.000	0.10	50.00	50.00	1.244	1.244	1.00
16	13:11	1.00	10.000	0.10	50.00	50.00	1.219	1.219	1.00
17	13:48	1.00	10.000	0.11	50.00	50.00	1.798	1.798	1.00
18	14:15	1.00	20.000	0.05	50.00	50.00	0.448	0.448	1.00
19	14:32	1.00	50.000	0.02	200.00	200.00	0.025	0.025	1.00
20	14:45	1.00	10.000	0.11	50.00	50.00	1.086	1.086	1.00
21	16:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	14:51	1.00	10.000	0.09	50.00	50.00	0.138	0.138	1.00
23	15:04	1.00	10.000	0.09	50.00	50.00	1.572	1.572	1.00
24	15:03	1.00	20.000	0.04	50.00	50.00	0.036	0.036	1.00
25	15:23	1.00	10.000	0.09	50.00	50.00	0.259	0.259	1.00
26	15:26	1.00	10.000	0.09	50.00	50.00	0.923	0.923	1.00
27	15:49	1.00	20.000	0.05	50.00	50.00	0.444	0.444	1.00
28	15:49	1.00	10.000	0.09	50.00	50.00	1.131	1.131	1.00
29	16:13	1.00	10.000	0.10	50.00	50.00	0.572	0.572	1.00
30	16:40	1.00	10.000	0.10	50.00	50.00	0.175	0.175	1.00
31	16:42	1.00	10.000	0.10	50.00	50.00	0.256	0.256	1.00
32	16:38	1.00	10.000	0.10	50.00	50.00	0.164	0.164	1.00
33	16:42	1.00	10.000	0.10	50.00	50.00	1.464	1.464	1.00
34	16:49	1.00	10.000	0.10	50.00	50.00	1.113	1.113	1.00
35	16:54	1.00	10.000	0.10	50.00	50.00	1.072	1.072	1.00
36	20:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:52	1.00	10.000	0.09	50.00	50.00	2.991	2.991	1.00
38	19:10	1.00	10.000	0.09	100.00	100.00	0.947	0.947	1.00
39	19:10	1.00	10.000	0.09	50.00	50.00	0.506	0.506	1.00
40	19:10	1.00	10.000	0.09	100.00	100.00	0.947	0.947	1.00
41	20:03	1.00	10.000	0.10	50.00	50.00	1.167	1.167	1.00
42	21:11	1.00	10.000	0.10	50.00	50.00	0.642	0.642	1.00
43	23:15	1.00	10.000	0.12	50.00	50.00	0.948	0.948	1.00
44	24:07	1.00	10.000	0.12	50.00	50.00	1.317	1.317	1.00
45	24:07	1.00	10.000	0.12	50.00	50.00	1.094	1.094	1.00
46	25:16	1.00	10.000	0.13	50.00	50.00	1.061	1.061	1.00
47	12:28	1.00	10.000	0.10	25.00	25.00	0.149	0.149	1.00

COMPUCHER LABORATORIES, INC.  
GC/MS ANALYSIS LOG

SEMIVOLATILE

RUN LOG

PREVENTIVE MAINTENANCE

1800 INITIAL TIME OF TUNE 6:18  
TIME TUNE EXPIRES 15:15  
5-11-90

SHIFT(S) (A) (B) (C) ✓  
DATE 5-15-90  
ANALYSIS TYPE 222

FILE NAME	DATE	TIME	EPA ID	CASE NO.	STD ID #	AMOUNT RECORDED	CHEMIST	COMMENTS (Lot #, Disposition, Etc.)
<del>DE900515-288</del>	<del>5/15/90</del>	<del>6:18</del>	<del>2-1790</del>			<del>1.05</del>	<del>917</del>	<del># 2452</del>
HG900515-022	5/15/90	6:48	504			2.5	917	# 31672 (2157)
HG900515A22	5/15/90	8:31	5570050		2387	2ul	740	
75900515A22	5/15/90	9:21	5570050	Test		1ul	740	
GH9003247A22	5/15/90	10:31	584X86	VANILINS		1ul	740	
GTD05509A22	5/15/90	11:40	D03056001	19698		1ul	740	
GTD38347A22	5/15/90	12:59	584X86	VANILINS		1ul	740	
GTD35512A22	5/15/90	14:07	B4420618	19698		1ul	740	
GTD39516A22	5/15/90	15:04	G0073-2	20045		1ul	740	
GH037892A22	5/15/90	15:55	78800105	20129		1ul	740	
<del>/</del>	<del>5/15/90</del>	<del>16:00</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>
<del>/</del>	<del>5/15/90</del>	<del>17:00</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>
<del>/</del>	<del>5/15/90</del>	<del>18:00</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>
<del>/</del>	<del>5/15/90</del>	<del>19:00</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>
<del>/</del>	<del>5/15/90</del>	<del>20:00</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>
<del>/</del>	<del>5/15/90</del>	<del>21:00</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>
<del>/</del>	<del>5/15/90</del>	<del>22:00</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>
<del>/</del>	<del>5/15/90</del>	<del>23:00</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>
<del>/</del>	<del>5/15/90</del>	<del>24:00</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>	<del>/</del>

VERIFIED Howard 5/15/90  
SUPERVISOR APPROVAL Walter 5/16/90



CONTINUING CALIBRATION CHECK  
MAST9

PAGE 1

CASE NO:  
CONTRACTOR: COMFUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.030

CALIBRATION DATE: 05/16/90  
TIME: 3:34  
STANDARD FILE ID: HI900516C22  
MULTIPOINT DATE: 4/ 8/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	F/F
2 441 N-NITROBODIMETHYLAMINE (Q102)	2.016	1.348	33.1			
3 481 PYRIDINE (I901)	3.062	1.942	36.6			
4 509 ETHYLACRYLATE (I902)	2.972	1.888	36.5			
5 542 PARALDEHYDE (I903)	0.493	0.370	24.9			
6 910 2-PICOLINE (I9056)	2.632	2.081	20.9			
7 535 NITROBOMETHYLETHYLAMINE (I904)	1.122	0.439	60.9			
8 543 METHYL METHANE SULFONATE (I905)	1.888	1.970	16.8			
9 499 N-NITROBODIETHYLAMINE (I906)	1.108	0.983	11.3			
10 514 ETHYL METHANESULFONATE (I907)	1.016	1.052	-3.5			
11 610 PHENOL (Q103)	2.895	2.859	-0.1	*		PASS
12 473 ANILINE (Q104)	3.683	3.199	13.1			
13 505 PENTACHLOROETHANE (I908)	0.568	0.529	6.9			
14 411 BIS(2-CHLOROETHYL)ETHER (Q105)	2.697	2.281	15.4			
15 601 2-CHLOROPHENOL (Q106)	1.746	1.882	-7.8			
16 421 1,3-DICHLOROBENZENE (Q107)	1.726	1.946	-12.7			
17 506 BENZYL CHLORIDE (I909)	5.502	4.277	22.3			
18 422 1,4-DICHLOROBENZENE (Q108)	1.805	1.947	-7.9	*		PASS
19 474 BENZYL ALCOHOL (Q109)	1.181	1.211	-2.5			
20 420 1,2-DICHLOROBENZENE (Q110)	1.657	1.777	-7.2			
21 620 2-METHYLPHENOL (Q111)	1.792	1.716	2.1			
22 412 BIS(2-CHLOROISOPROPYL)ETHER (Q112)	2.817	2.437	13.5			
23 621 3-METHYLPHENOL (F102)	1.882	1.814	3.6			
24 622 4-METHYLPHENOL (Q113)	1.882	1.814	3.6			
25 528 N-NITROSPYRROLIDINE (I910)	1.061	0.932	12.2			
26 544 N-NITROSOMORPHOLINE (I912)	0.436	0.453	-3.9			
27 500 ACETOPHENONE (I911)	3.177	2.822	11.2			
28 442 N-NITroso-DI-N-PROPYLAMINE (Q114)	2.225	1.698	23.7	**		PASS
29 912 O-TOLUIDINE HYDROCHLORIDE (I913)	2.433	2.067	15.0			
30 436 HEXACHLOROETHANE (Q115)	1.091	1.040	4.7			
32 440 NITROBENZENE (Q116)	0.784	0.590	24.7			
33 502 N-NITROSOPIPERIDINE	0.241	0.305	14.9			
34 438 ISOPHORONE (Q202)	1.429	1.121	21.6			
35 603 2,4-DIMETHYLPHENOL (Q204)	0.644	0.532	17.4			
36 606 2-NITROPHENOL (Q203)	0.216	0.228	-5.6	*		PASS
37 451 1,3,5-TRICHLOROBENZENE (I9122)	0.326	0.284	12.9			
38 516 BENZAL CHLORIDE (I9116)	0.899	0.784	8.3			
39 629 BENZOIC ACID (Q205)	0.218	0.189	13.3			
40 410 BIS(2-CHLOROETHOXY)METHANE (Q206)	0.704	0.598	20.7			
41 602 2,4-DICHLOROPHENOL (Q207)	0.268	0.270	-0.7	*		PASS
42 446 1,2,4-TRICHLOROBENZENE (Q208)	0.302	0.296	2.0			
43 439 NAPHTHALENE (Q209)	1.334	1.306	2.1			
44 475 4-CHLOROANILINE (Q210)	0.638	0.643	-0.8			
45 631 2,6-DICHLOROPHENOL (I9118)	0.302	0.307	-1.7			
46 524 O-PHENYLENEDIAMINE (I9119)	0.205	0.127	38.0			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MASTS

PAGE 2

CASE NO:  
CONTRACTOR: COMPUchem  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 03/16/90  
TIME: 3:34  
STANDARD FILE ID: H1900316C22  
MULTIPOINT DATE: 4/ 8/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	XD	CCC	SPCC	P/F
47 515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9	0.074	0.071	4.1			
48 537 HEXACHLOROPROPENE (Z9021)	0.173	0.141	18.9			
49 434 HEXACHLOROBUTADIENE (G2011)	0.153	0.130	15.0	*		PASS
50 450 1,2,3-TRICHLOROBENZENE (Z9015)	0.300	0.261	13.0			
51 534 BENZOTRICHORIDE (Z9023)	0.482	0.419	13.1			
52 536 N-NITROSO-DI-N-BUTYLAMINE (Z9024)	0.406	0.193	52.9			
53 608 P-CHLORO-M-CRESOL (G2012)	0.509	0.451	11.4	*		PASS
54 526 P-PHENYLENEDIAMINE (Z9020)	0.082	0.030	63.4			
55 503 BAFROLE (Z9027)	0.298	0.262	-1.6			
56 525 M-PHENYLENEDIAMINE (Z9026)	0.128	0.001	99.2			
57 477 2-METHYLNAPHTHALENE (G2013)	0.963	0.982	-2.0			
58 569 1-METHYLNAPHTHALENE (T2028)	0.443	0.920	-17.4			
60 457 1,2,4,5-TETRACHLOROBENZENE (Z9031)	0.582	0.449	22.9			
61 513 1,2,3,5-TETRACHLOROBENZENE (Z9029)	0.582	0.449	22.9			
62 435 HEXACHLOROCYCLOPENTADIENE (G302)	0.216	0.182	15.7		**	PASS
63 611 2,4,6-TRICHLOROPHENOL (G303)	0.363	0.330	9.1	*		PASS
64 626 2,4,5-TRICHLOROPHENOL (G304)	0.377	0.325	13.8			
65 527 ISOSAFROLE (Z9030)	0.496	0.489	1.4			
66 416 2-CHLORONAPHTHALENE (G305)	1.525	1.495	2.0			
67 564 1-CHLORONAPHTHALENE (F402)	1.173	1.104	5.9			
68 456 1,2,3,4-TETRACHLOROBENZENE (Z9028)	0.553	0.427	22.8			
69 478 2-NITROANILINE (G306)	0.626	0.583	6.9			
70 504 1,4-NAPTHOQUINONE (Z9032)	0.280	0.433	-34.6			
71 491 1,4-DINITROBENZENE (F302)	0.198	0.204	-3.0			
72 425 DIMETHYL PHTHALATE (G307)	1.529	1.495	2.2			
73 428 2,6-DINITROTOLUENE (G3015)	0.295	0.307	-4.1			
74 402 ACENAPHTHYLENE (G308)	2.044	1.917	6.2			
75 479 3-NITROANILINE (G309)	0.359	0.348	3.1			
76 401 ACENAPHTHENE (G3010)	1.381	1.317	4.6	*		PASS
77 605 2,4-DINITROPHENOL (G3011)	0.108	0.108	0.0		**	PASS
78 607 4-NITROPHENOL (G3012)	0.339	0.319	5.9		**	PASS
79 427 2,4-DINITROTOLUENE (G3014)	0.415	0.429	-3.4			
80 476 DIBENZOFURAN (G3013)	1.707	1.693	0.8			
81 507 PENTACHLOROBENZENE (Z9033)	0.447	0.341	23.7			
82 484 2-NAPHTHYLAMINE (Z9035)	1.202	0.818	31.9			
83 483 1-NAPHTHYLAMINE (Z9036)	1.196	0.887	25.8			
84 630 2,3,4,6-TETRACHLOROPHENOL (Z9037)	0.224	0.174	22.3			
85 424 DIETHYL PHTHALATE (G3016)	1.717	1.719	-0.1			
86 519 ZINOPHOS (Z9038)	0.600	0.436	27.3			
87 417 4-CHLOROPHENYL PHENYL ETHER (G3017)	0.486	0.438	9.9			
88 432 FLUORENE (G3018)	1.345	1.334	0.8			
89 480 4-NITROANILINE (G3019)	0.371	0.354	4.6			
90 498 5-NITRO-O-TOLUIDINE (Z9034)	0.375	0.383	-2.1			
91 430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9	3.052	2.253	26.2			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

CONTINUING CALIBRATION CHECK  
MAST3

PAGE 3

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/16/90  
TIME: 3:34  
STANDARD FILE ID: HI900516C22  
MULTIPOINT DATE: 4/ 8/90  
MAXIMUM %D FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50)	%D	CCC	SPCC	P/F
95 #619 2-FLUOROPHENOL (SS#1)	1.868	1.870	-0.1			
96 #612 D5-PHENOL (SS#2)	2.572	2.258	12.2			
97 #447 D5-NITROBENZENE (SS#3)	0.776	0.638	17.8			
98 #448 2-FLUOROBIPHENYL (SS#4)	1.365	1.279	6.3			
99 #628 2,4,6-TRIBROMOPHENOL (SS#5)	0.152	0.083	45.4			
*1 #471 D10-PYRENE (SS#6)	1.111	1.490	-34.1			
*1 #496 D14-TERPHENYL (SS#7)	0.964	1.176	-22.0			

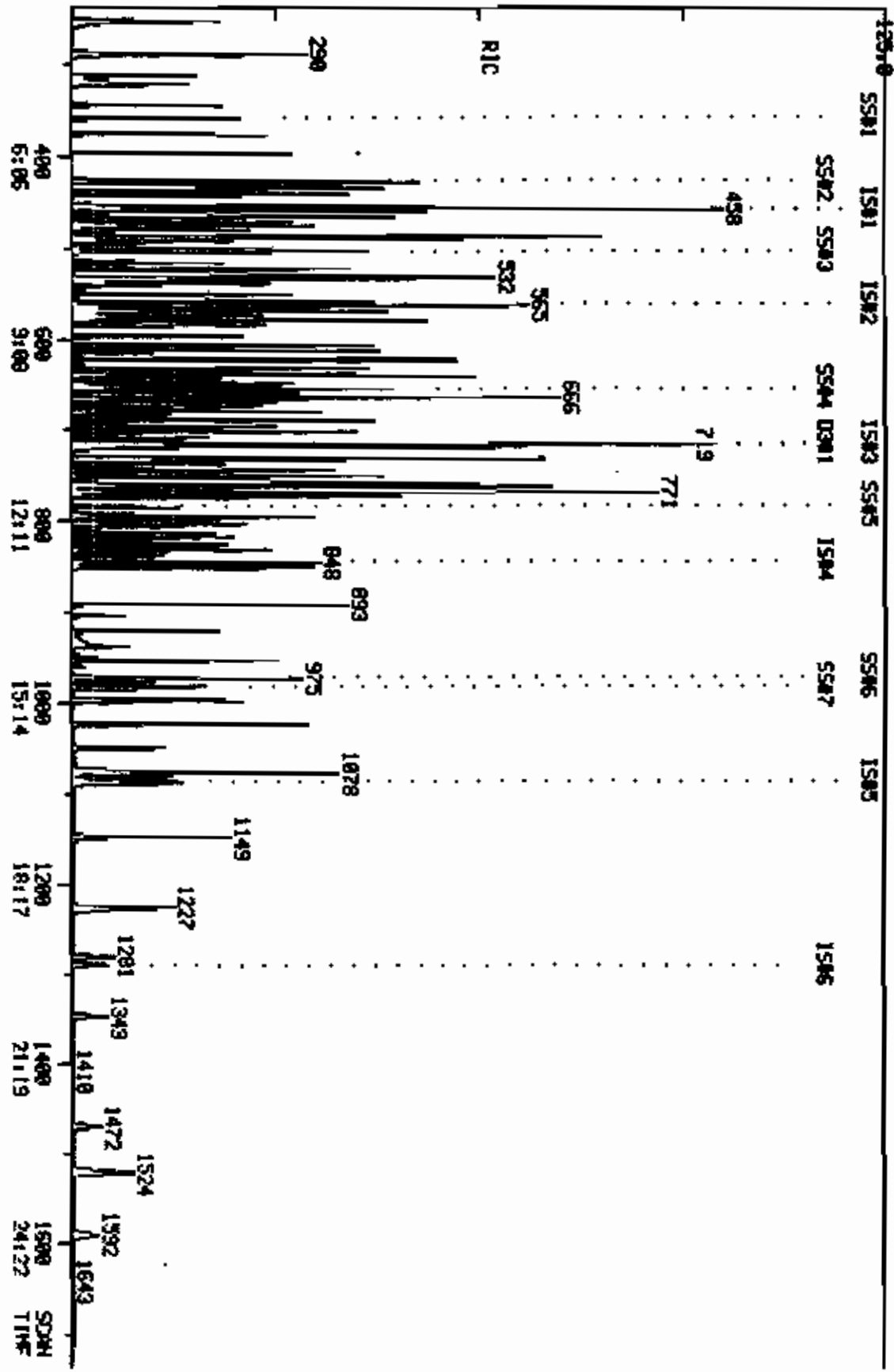
RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
JG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

%D - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

RIC  
 08/16/90 3:34:00  
 SAMPLE: 2AL SST0050 HP-AL LOT#2387 VER.111.  
 CD#05.1

COMPUTEN LABS  
 COMPUTEN DATA: H1900516722 SCAN# 238 TO 1705  
 OUT OF 238 TO 1705  
 2419190.



QUANTITATION REPORT FILE: HI900514C22  
DATA: HI900514C22.TI  
09/16/90 3:34:00  
SAMPLE: ZUL 6STD050 NG/UL LOT#2387 VER. III.  
CONDS.:  
SUBMITTED BY: 22 ANALYST: 619

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I801)
2	441 N-NITROSODIMETHYLAMINE (Q102) <62-75-9>
3	481 PYRIDINE (I901)
4	509 ETHYLACRYLATE (I902)
5	542 PARALDEHYDE (I903)
6	510 2-PICOLINE (I9036)
7	535 NITROSOMETHYLETHYLAMINE (I904) <10995-99-6>
8	543 METHYL METHANE SULFONATE (I905) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (I906)
10	514 ETHYL METHANESULFONATE (I907) <62-50-0>
11	610 PHENOL (Q103) <108-95-2>
12	473 ANILINE (Q104) <62-53-3>
13	505 PENTACHLOROETHANE (I908)
14	411 BIS(2-CHLOROETHYL)ETHER (Q109) <111-44-4>
15	601 2-CHLOROPHENOL (Q106) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q107) <541-73-1>
17	506 BENZYL CHLORIDE (I909)
18	422 1,4-DICHLOROBENZENE (Q108) <106-46-7>
19	474 BENZYL ALCOHOL (Q109) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q110) <95-50-1>
21	620 2-METHYLPHENOL (Q111) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q112) <39638-32-9>
23	621 3-METHYLPHENOL (F102) <108-39-4>
24	622 4-METHYLPHENOL (Q113) <106-44-5>
25	528 N-NITROSPYRROLIDINE (I910) <930-55-2>
26	544 N-NITROSMORPHOLINE (I912) <59-89-2>
27	500 ACETOPHENONE (I911)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q114) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (I913)
30	436 HEXACHLOROETHANE (Q115) <67-72-1>
31	*460 D8-NAPHTHALENE (I802)
32	440 NITROBENZENE (Q116) <98-95-3>
33	502 N-NITROPIPERIDINE
34	438 ISOPHORONE (Q202) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q204) <105-67-9>
36	606 2-NITROPHENOL (Q203) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (I922) <180-20-3>
38	518 BENZYL CHLORIDE (I916) <98-87-3>
39	625 BENZOIC ACID (Q205) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q206) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q207) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q208) <120-82-1>
43	439 NAPHTHALENE (Q209) <91-20-3>
44	475 4-CHLOROANILINE (Q210) <106-47-8>
45	631 2,6-DICHLOROPHENOL (I918)
46	524 O-PHENYLENEDIAMINE (I919) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (I9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (I9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (I9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (I9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (I9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (I9#20) <108-45-2>
55	503 SAFROLE (I9#27)
56	525 M-PHENYLENEDIAMINE (I9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (I2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (I9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (I9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFROLE (I9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (I9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (I9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	*605 2,4-DINITROPHENOL (Q3#11) <91-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (I9#33)
82	484 2-NAPHTHYLAMINE (I9#35)
83	483 1-NAPHTHYLAMINE (I9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (I9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (I9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (I9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (I9#39)
92	*467 D10-PHENANTHRENE (I8#4)
93	*459 D12-CHRYSENE (I8#5)
94	*497 D10-PERYLENE (I8#6)
95	*619 2-FLUOROPHENOL (S8#1)
96	*612 D5-PHENOL (S8#2)
97	*447 D5-NITROBENZENE (S8#3)
98	*448 2-FLUOROBIPHENYL (S8#4)
99	*628 2,4,6-TRIBROMOPHENOL (S8#5)
100	*471 D10-PYRENE (S8#6)
101	*496 D14-TERPHENYL (S8#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	ZTOT
1	152	457	6:58	1	1.000	A BB	125168.	40.000 NG	0.75
2	42	253	3:51	1	0.554	A BB	210972.	50.000 NG	0.94
3	79	254	3:52	1	0.556	A BB	303768.	50.000 NG	0.94
4	69	290	4:25	1	0.635	A BB	295456.	50.000 NG	0.94
5	89	290	4:25	1	0.635	A BB	37856.	50.000 NG	0.94
6	93	314	4:47	1	0.687	A BB	325548.	50.000 NG	0.94
7	88	323	4:55	1	0.707	A BB	274476.	200.000 NG	3.75
8	80	345	5:15	1	0.755	A BB	249564.	50.000 NG	0.94
9	102	376	5:44	1	0.823	A BB	153860.	50.000 NG	0.94
10	109	397	6:03	1	0.869	A BB	164632.	50.000 NG	0.94
11	94	428	6:31	1	0.937	A BB	447360.	50.000 NG	0.94
12	93	432	6:35	1	0.945	M XI	500564.	50.000 NG	0.94
13	167	434	6:37	1	0.950	A BB	82844.	50.000 NG	0.94
14	93	435	6:38	1	0.952	M XI	356828.	50.000 NG	0.94
15	128	442	6:44	1	0.967	A BB	294508.	50.000 NG	0.94
16	146	454	6:55	1	0.993	A BV	304400.	50.000 NG	0.94
17	91	458	6:59	1	1.002	A BB	649108.	50.000 NG	0.94
18	146	458	6:59	1	1.002	A VB	304648.	50.000 NG	0.94
19	108	467	7:07	1	1.022	A BV	189428.	50.000 NG	0.94
20	146	473	7:12	1	1.035	A BB	278084.	50.000 NG	0.94
21	108	476	7:15	1	1.042	A VB	268528.	50.000 NG	0.94
22	43	480	7:19	1	1.050	A BB	381348.	50.001 NG	0.94
23	108	487	7:25	1	1.066	A BV <sup>453784</sup>	567568.	100.002 NG	1.87
24	108	487	7:25	1	1.066	A BV <sup>453784</sup>	567568.	100.002 NG	1.87
25	100	488	7:26	1	1.068	A BB	145776.	50.000 NG	0.94
26	116	489	7:27	1	1.070	A BB	70940.	50.000 NG	0.94
27	105	490	7:28	1	1.072	A BB	441596.	50.000 NG	0.94
28	70	491	7:29	1	1.074	A BB	265668.	50.000 NG	0.94
29	106	493	7:31	1	1.079	A BB	323352.	50.000 NG	0.94
30	117	500	7:37	1	1.094	A BB	162648.	50.000 NG	0.94
31	136	563	8:34	31	1.000	A BB	503224.	40.000 NG	0.75
32	77	504	7:41	31	0.895	A BB	371356.	50.000 NG	0.94
33	114	516	7:52	31	0.917	A BB	128864.	50.000 NG	0.94
34	82	523	7:58	31	0.929	A BB	705424.	50.000 NG	0.94
35	107	532	8:06	31	0.945	A BV	334760.	50.000 NG	0.94
36	139	531	8:05	31	0.943	A BB	143708.	50.000 NG	0.94
37	180	533	8:07	31	0.947	A BB	178752.	50.000 NG	0.94
38	125	534	8:08	31	0.948	A BB	492980.	50.000 NG	0.94
39	122	538	8:12	31	0.956	A VV	118600.	50.000 NG	0.94
40	93	539	8:13	31	0.957	A BB	351148.	50.000 NG	0.94
41	162	550	8:23	31	0.977	A BB	169724.	50.000 NG	0.94
42	180	559	8:31	31	0.993	A BB	186448.	50.000 NG	0.94
43	128	565	8:36	31	1.004	A BB	821372.	50.000 NG	0.94
44	127	568	8:39	31	1.009	A BB	404776.	50.000 NG	0.94
45	162	570	8:41	31	1.012	A BB	193184.	50.000 NG	0.94
46	108	563	8:34	31	1.000	A VB	79864.	50.000 NG	0.94
47	91	577	8:47	31	1.025	A VB	44628.	50.000 NG	0.94
48	213	575	8:45	31	1.021	A BB	88688.	50.000 NG	0.94
49	225	579	8:49	31	1.028	A BB	81848.	50.000 NG	0.94
50	180	580	8:50	31	1.030	A BB	164424.	50.000 NG	0.94
51	159	585	8:55	31	1.039	A BB	263444.	50.000 NG	0.94
52	84	597	9:06	31	1.060	A BB	121248.	50.000 NG	0.94
53	107	607	9:15	31	1.078	A BV	283752.	50.000 NG	0.94
54	108	607	9:15	31	1.078	A BB	18728.	50.000 NG	0.94
55	162	614	9:21	31	1.091	A BB	164824.	50.000 NG	0.94
56	108	614	9:21	31	1.091	A BB	584.	50.000 NG	0.94

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGHT)	AMOUNT	ZTOT
57	142	623	9:29	31	1.107	A BB	617460.	50.000 NG	0.94
58	142	633	9:38	31	1.124	A BB	327224.	50.000 NG	0.94
59	164	716	10:54	59	1.000	A BB	240908.	40.000 NG	0.75
60	216	641	9:46	59	0.895	A BB/57154	270308.	100.002 NG	1.87
61	216	641	9:46	59	0.895	A BB/57154	270308.	100.002 NG	1.87
62	237	643	9:48	59	0.898	A BB	54676.	50.000 NG	0.94
63	196	649	9:53	59	0.906	M XX	99336.	50.000 NG	0.94
64	196	652	9:56	59	0.911	M XX	97988.	50.000 NG	0.94
65	162	658	10:01	59	0.919	A BB	147180.	50.000 NG	0.94
66	162	666	10:09	59	0.930	M XX	450048.	50.000 NG	0.94
67	162	669	10:11	59	0.934	M XX	332360.	50.000 NG	0.94
68	216	667	10:10	59	0.932	A BB	128468.	50.000 NG	0.94
69	65	675	10:17	59	0.943	A BB	175568.	50.000 NG	0.94
70	158	680	10:21	59	0.950	A BB	130372.	50.000 NG	0.94
71	168	683	10:24	59	0.954	A BB	61564.	50.000 NG	0.94
72	163	691	10:31	59	0.965	A BB	450272.	50.000 NG	0.94
73	165	698	10:38	59	0.975	A BB	92416.	50.000 NG	0.94
74	152	703	10:42	59	0.982	A BB	577144.	50.000 NG	0.94
75	138	710	10:49	59	0.992	A BV	104932.	50.000 NG	0.94
76	153	719	10:57	59	1.004	A BB	396524.	50.000 NG	0.94
77	184	719	10:57	59	1.004	A BB	32608.	50.000 NG	0.94
78	109	722	11:00	59	1.008	A BV	96012.	50.000 NG	0.94
79	165	732	11:09	59	1.022	A BB	129172.	50.000 NG	0.94
80	168	733	11:10	59	1.024	A BB	509772.	50.000 NG	0.94
81	250	735	11:12	59	1.027	A BB	102640.	50.000 NG	0.94
82	143	739	11:15	59	1.032	A VV	246372.	50.000 NG	0.94
83	143	745	11:21	59	1.041	A VV	267124.	50.000 NG	0.94
84	232	746	11:22	59	1.042	A BB	52528.	50.000 NG	0.94
85	149	752	11:27	59	1.050	A BB	517584.	50.000 NG	0.94
86	97	760	11:35	59	1.061	A BB	131304.	50.000 NG	0.94
87	204	760	11:35	59	1.061	A BB	131972.	50.000 NG	0.94
88	166	763	11:37	59	1.066	A BB	401616.	50.000 NG	0.94
89	138	764	11:38	59	1.067	A BV	106536.	50.000 NG	0.94
90	152	764	11:38	59	1.067	A BV	115444.	50.000 NG	0.94
91	77	775	11:48	59	1.082	M XX	678444.	50.000 NG	0.94
92	188	846	12:53	92	1.000	A BB	297556.	40.000 NG	0.75
93	240	1087	16:33	93	1.000	A BB	156196.	40.000 NG	0.75
94	264	1291	19:40	94	1.000	A BB	113292.	40.000 NG	0.75
95	112	358	5:27	1	0.783	A BB	292580.	50.000 NG	0.94
96	99	427	6:30	1	0.934	A BV	353260.	50.000 NG	0.94
97	82	503	7:40	31	0.893	A BB	401604.	50.000 NG	0.94
98	172	655	9:59	59	0.915	A BB	385048.	50.000 NG	0.94
99	330	785	11:57	59	1.096	A BB	25140.	50.000 NG	0.94
100	212	973	14:49	93	0.895	A BV	290932.	50.000 NG	0.94
101	244	983	14:58	93	0.904	A BB	229512.	50.000 NG	0.94

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	6:58	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:51	1.00	10.000	0.06	50.00	50.00	1.348	1.348	1.00
3	3:52	1.00	10.000	0.06	50.00	50.00	1.942	1.942	1.00
4	4:25	1.00	10.000	0.06	50.00	50.00	1.888	1.888	1.00
5	4:25	1.00	10.000	0.06	50.00	50.00	0.370	0.370	1.00
6	4:47	1.00	20.000	0.03	50.00	50.00	2.081	2.081	1.00
7	4:55	1.00	10.000	0.07	200.00	200.00	0.439	0.439	1.00
8	5:15	1.00	10.000	0.08	50.00	50.00	1.569	1.569	1.00
9	5:44	1.00	10.000	0.08	50.00	50.00	0.983	0.983	1.00



NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:03	1.00	10.000	0.09	50.00	50.00	1.052	1.052	1.00
11	6:31	1.00	10.000	0.09	50.00	50.00	2.859	2.859	1.00
12	6:35	1.00	10.000	0.09	50.00	50.00	3.199	3.199	1.00
13	6:37	1.00	10.000	0.09	50.00	50.00	0.529	0.529	1.00
14	6:38	1.00	20.000	0.05	50.00	50.00	2.281	2.281	1.00
15	6:44	1.00	10.000	0.10	50.00	50.00	1.882	1.882	1.00
16	6:55	1.00	10.000	0.10	50.00	50.00	1.946	1.946	1.00
17	6:59	1.00	10.000	0.10	50.00	50.00	4.277	4.277	1.00
18	6:59	1.00	10.000	0.10	50.00	50.00	1.947	1.947	1.00
19	7:07	1.00	10.000	0.10	50.00	50.00	1.211	1.211	1.00
20	7:12	1.00	10.000	0.10	50.00	50.00	1.777	1.777	1.00
21	7:15	1.00	10.000	0.10	50.00	50.00	1.716	1.716	1.00
22	7:19	1.00	10.000	0.11	50.00	50.00	2.437	2.437	1.00
23	7:25	1.00	10.000	0.11	100.00	100.00	1.814	1.814	1.00
24	7:25	1.00	10.000	0.11	100.00	100.00	1.814	1.814	1.00
25	7:26	1.00	10.000	0.11	50.00	50.00	0.932	0.932	1.00
26	7:27	1.00	10.000	0.11	50.00	50.00	0.453	0.453	1.00
27	7:28	1.00	10.000	0.11	50.00	50.00	2.822	2.822	1.00
28	7:29	1.00	10.000	0.11	50.00	50.00	1.698	1.698	1.00
29	7:31	1.00	10.000	0.11	50.00	50.00	2.067	2.067	1.00
30	7:37	1.00	10.000	0.11	50.00	50.00	1.040	1.040	1.00
31	8:34	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:41	1.00	10.000	0.09	50.00	50.00	0.590	0.590	1.00
33	7:52	1.00	10.000	0.09	50.00	50.00	0.205	0.205	1.00
34	7:58	1.00	10.000	0.09	50.00	50.00	1.121	1.121	1.00
35	8:06	1.00	10.000	0.09	50.00	50.00	0.532	0.532	1.00
36	8:05	1.00	10.000	0.09	50.00	50.00	0.228	0.228	1.00
37	8:07	1.00	10.000	0.09	50.00	50.00	0.284	0.284	1.00
38	8:08	1.00	10.000	0.09	50.00	50.00	0.784	0.784	1.00
39	8:12	1.00	100.000	0.01	50.00	50.00	0.189	0.189	1.00
40	8:13	1.00	10.000	0.10	50.00	50.00	0.558	0.558	1.00
41	8:23	1.00	10.000	0.10	50.00	50.00	0.270	0.270	1.00
42	8:31	1.00	10.000	0.10	50.00	50.00	0.296	0.296	1.00
43	8:36	1.00	10.000	0.10	50.00	50.00	1.306	1.306	1.00
44	8:39	1.00	10.000	0.10	50.00	50.00	0.643	0.643	1.00
45	8:41	1.00	20.000	0.05	50.00	50.00	0.307	0.307	1.00
46	8:34	1.00	10.000	0.10	50.00	50.00	0.127	0.127	1.00
47	8:47	1.00	10.000	0.10	50.00	50.00	0.071	0.071	1.00
48	8:45	1.00	10.000	0.10	50.00	50.00	0.141	0.141	1.00
49	8:49	1.00	10.000	0.10	50.00	50.00	0.130	0.130	1.00
50	8:50	1.00	10.000	0.10	50.00	50.00	0.261	0.261	1.00
51	8:55	1.00	20.000	0.05	50.00	50.00	0.419	0.419	1.00
52	9:06	1.00	10.000	0.11	50.00	50.00	0.193	0.193	1.00
53	9:15	1.00	10.000	0.11	50.00	50.00	0.451	0.451	1.00
54	9:15	1.00	10.000	0.11	50.00	50.00	0.030	0.030	1.00
55	9:21	1.00	10.000	0.11	50.00	50.00	0.262	0.262	1.00
56	9:21	1.00	10.000	0.11	50.00	50.00	0.001	0.001	1.00
57	9:29	1.00	10.000	0.11	50.00	50.00	0.982	0.982	1.00
58	9:38	1.00	10.000	0.11	50.00	50.00	0.520	0.520	1.00
59	10:54	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	9:46	1.00	10.000	0.09	100.00	100.00	0.449	0.449	1.00
61	9:46	1.00	10.000	0.09	100.00	100.00	0.449	0.449	1.00
62	9:48	1.00	10.000	0.09	50.00	50.00	0.182	0.182	1.00
63	9:53	1.00	20.000	0.05	50.00	50.00	0.330	0.330	1.00
64	9:56	1.00	20.000	0.05	50.00	50.00	0.325	0.325	1.00
65	10:01	1.00	20.000	0.05	50.00	50.00	0.489	0.489	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:09	1.00	10.000	0.09	50.00	50.00	1.495	1.495	1.00
67	10:11	1.00	10.000	0.09	50.00	50.00	1.104	1.104	1.00
68	10:10	1.00	10.000	0.09	50.00	50.00	0.427	0.427	1.00
69	10:17	1.00	10.000	0.09	50.00	50.00	0.583	0.583	1.00
70	10:21	1.00	20.000	0.05	50.00	50.00	0.433	0.433	1.00
71	10:24	1.00	20.000	0.05	50.00	50.00	0.204	0.204	1.00
72	10:31	1.00	10.000	0.10	50.00	50.00	1.495	1.495	1.00
73	10:38	1.00	10.000	0.10	50.00	50.00	0.307	0.307	1.00
74	10:42	1.00	10.000	0.10	50.00	50.00	1.917	1.917	1.00
75	10:49	1.00	20.000	0.05	50.00	50.00	0.348	0.348	1.00
76	10:57	1.00	10.000	0.10	50.00	50.00	1.317	1.317	1.00
77	10:57	1.00	40.000	0.03	50.00	50.00	0.108	0.108	1.00
78	11:00	1.00	10.000	0.10	50.00	50.00	0.319	0.319	1.00
79	11:09	1.00	10.000	0.10	50.00	50.00	0.429	0.429	1.00
80	11:10	1.00	10.000	0.10	50.00	50.00	1.693	1.693	1.00
81	11:12	1.00	10.000	0.10	50.00	50.00	0.341	0.341	1.00
82	11:15	1.00	20.000	0.05	50.00	50.00	0.818	0.818	1.00
83	11:21	1.00	20.000	0.05	50.00	50.00	0.887	0.887	1.00
84	11:22	1.00	20.000	0.05	50.00	50.00	0.174	0.174	1.00
85	11:27	1.00	10.000	0.11	50.00	50.00	1.719	1.719	1.00
86	11:35	1.00	10.000	0.11	50.00	50.00	0.436	0.436	1.00
87	11:35	1.00	10.000	0.11	50.00	50.00	0.438	0.438	1.00
88	11:37	1.00	10.000	0.11	50.00	50.00	1.334	1.334	1.00
89	11:38	1.00	20.000	0.05	50.00	50.00	0.354	0.354	1.00
90	11:38	1.00	20.000	0.05	50.00	50.00	0.383	0.383	1.00
91	11:48	1.00	10.000	0.11	50.00	50.00	2.253	2.253	1.00
92	12:33	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	18:33	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	19:40	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:27	1.00	0.742	1.06	50.00	50.00	1.870	1.870	1.00
96	6:30	1.00	0.948	0.99	50.00	50.00	2.258	2.258	1.00
97	7:40	1.00	0.875	1.02	50.00	50.00	0.638	0.638	1.00
98	9:59	1.00	0.906	1.01	50.00	50.00	1.279	1.279	1.00
99	11:57	1.00	1.118	0.98	50.00	50.00	0.083	0.083	1.00
100	14:49	1.00	10.000	0.09	50.00	50.00	1.490	1.490	1.00
101	14:58	1.00	0.907	1.00	50.00	50.00	1.176	1.176	1.00

CONTINUING CALIBRATION CHECK  
MAST6

PAGE 1

CASE NO:  
CONTRACTOR: COMPUCHEM  
CONTRACT NO:  
INSTRUMENT ID: 22  
MINIMUM RF FOR SPCC IS 0.050

CALIBRATION DATE: 05/16/90  
TIME: 3:34  
STANDARD FILE ID: HI900516C22  
MULTIPOINT DATE: 4/ 8/90  
MAXIMUM XD FOR CCC IS 25%

COMPOUND	AVG RF	RF ( 50 )	XD	CCC	SPCC	P/F
2 604 4,6-DINITRO-2-METHYLPHENOL (G482)	0.107	0.111	-3.7			
3 443 N-NITROBODIPHENYLAMINE (G483)	0.744	0.815	-9.5	*		PASS
4 567 DIPHENYLAMINE (F383)	0.744	0.815	-9.5			
9 508 1,3,5-TRINITROBENZENE (Z941)	0.075	0.060	20.0			
6 539 PHENACETIN (Z942)	0.737	0.642	12.9			
7 414 4-BROMOPHENYL PHENYL ETHER (G484)	0.207	0.165	20.3			
8 577 DIALLATE (TRANS ISOMER)	0.111	0.106	4.5			
9 541 DIMETHOATE (Z944)	0.163	0.180	-10.4			
10 433 HEXACHLOROBENZENE (G485)	0.267	0.197	26.2			
11 485 4-AMINOBIPHENYL (Z945)	0.714	0.749	-4.9			
12 522 PRONAMIDE (Z946)	0.450	0.412	8.4			
13 609 PENTACHLOROPHENOL (G486)	0.138	0.104	24.6	*		PASS
14 453 PENTACHLORONITROBENZENE (Z947)	0.105	0.078	25.7			
15 444 PHENANTHRENE (G487)	1.246	1.304	-4.7			
16 403 ANTHRACENE (G488)	1.208	1.311	-8.5			
17 426 OI-N-BUTYL PHTHALATE (G489)	1.979	1.997	-0.9			
18 516 METHAPYRILENE (Z948)	0.665	0.408	38.6			
19 549 CYCLOPHOSPHAMIDE (Z949)	0.024	0.024	0.0			
20 431 FLUORANTHENE (G490)	1.228	1.024	16.6	*		PASS
22 404 BENZIDINE (G502)	0.176	0.134	23.9			
23 445 PYRENE (G503)	1.325	2.070	-56.2			
24 530 ARAMITE (Z950)	0.120	0.040	66.7			
25 487 P-DIMETHYLAMINOAZOBENZENE (Z951)	0.219	0.271	-23.7			
26 523 CHLOROBENZILATE (Z952)	0.888	1.379	-55.3			
27 545 3,3'-DIMETHYLBENZIDINE (Z953)	0.481	0.509	-5.8			
28 415 BUTYLBENZYL PHTHALATE (G504)	1.011	1.321	-30.7			
29 488 2-ACETYLAMINO FLUORENE (F502)	0.503	0.619	-23.1			
30 489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z	0.190	0.179	5.8			
31 423 3,3'-DICHLOROBENZIDINE (G505)	0.277	0.242	12.6			
32 533 DIMETHOXYBENZIDINE (Z957)	0.219	0.147	32.9			
33 413 BIS(2-ETHYLHEXYL) PHTHALATE (G507)	1.353	1.809	-33.5			
34 405 BENZO(A)ANTHRACENE (G506)	1.137	1.166	-2.6			
35 418 CHRYSENE (G508)	1.071	1.114	-4.0			
37 429 DI-N-OCTYL PHTHALATE (G602)	2.440	2.896	-18.7	*		PASS
38 407 BENZO(B)FLUORANTHENE (G603)	0.917	1.002	-9.3			
39 517 7,12-DIMETHYLBENZANTHRACENE (Z955)	0.531	0.487	8.3			
40 409 BENZO(K)FLUORANTHENE (G604)	0.917	1.002	-9.3			
41 406 BENZO(A)PYRENE (G605)	1.081	1.192	-10.3	*		PASS
42 565 3-METHYLCHLORANTHRENE (F602)	0.608	0.582	4.3			
43 566 DIBENZO(A,J)ACRIDINE	0.798	0.886	-11.0			
44 437 INDENO(1,2,3-C,D)PYRENE (G606)	1.092	1.334	-22.2			
45 419 DIBENZO(A,H)ANTHRACENE (G607)	0.890	1.100	-23.6			
46 408 BENZO(G,H,I)PERYLENE (G608)	0.893	1.065	-19.3			
47 576 DIALLATE (CIS ISOMER)	0.500	0.135	73.0			

RF - RESPONSE FACTOR FROM DAILY  
STANDARD AT CONCENTRATION  
INDICATED  
AVG RF - AVERAGE RESPONSE FACTOR  
FROM INITIAL CALIBRATION

XD - PERCENT DIFFERENCE  
CCC - CALIBRATION CHECK COMPOUNDS (\*)  
SPCC - SYSTEM PERFORMANCE CHECK  
COMPOUNDS (\*\*)

(V4)

QUANTITATION REPORT FILE: HI900516C22  
DATA: HI900516C22.TI  
09/16/90 3:34:00  
SAMPLE: 2UL BSTD030 NO/UL LOT#2387 VER. III.  
CONDS. :  
SUBMITTED BY: 22 ANALYST: 619

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

NO	NAME
1	*467 D10-PHENANTHRENE (I8#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
4	367 DIPHENYLAMINE (F3#3)
5	308 1,3,5-TRINITROBENZENE (I9#41)
6	539 PHENACETIN (I9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (I9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (I9#45)
12	522 PRONAMIDE (I9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-9>
14	453 PENTACHLORONITROBENZENE (I9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (I9#48)
19	549 CYCLOPHOSPHAMIDE (I9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (I8#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	449 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (I9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (I9#51)
26	523 CHLORO BENZILATE (I9#52)
27	545 3,3'-DIMETHYLBENZIDINE (I9#53)
28	413 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (I9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (I9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D10-PERYLENE (I8#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (I9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 376 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	188	846	12:33	1	1.000	A BB	297356.	40.000 NG	1.53
2	198	769	11:43	1	0.909	A BB	41424.	50.000 NG	1.91
3	169 <sup>10</sup>	771	11:45	1	0.911	A BV <sup>803274</sup>	606548.	100.001 NG	3.82
4	169	771	11:45	1	0.911	A BV <sup>803274</sup>	606548.	100.001 NG	3.82
5	213	794	12:06	1	0.939	A BB	22272.	50.000 NG	1.91
6	108	797	12:08	1	0.942	A VB	238644.	50.000 NG	1.91
7	248	803	12:14	1	0.949	A BB	61200.	50.000 NG	1.91
8	234	798	12:09	1	0.943	A BB	19660.	25.000 NG	0.93
9	125	819	12:29	1	0.963	A BB	66808.	50.000 NG	1.91
10	284	819	12:28	1	0.968	A BB	73096.	50.000 NG	1.91
11	169	826	12:39	1	0.976	A BV	278488.	50.000 NG	1.91
12	173	832	12:40	1	0.983	A BB	153320.	50.000 NG	1.91
13	266	833	12:41	1	0.985	A BB	38612.	50.000 NG	1.91
14	237	840	12:48	1	0.993	A BB	29104.	50.000 NG	1.91
15	178	848	12:55	1	1.002	A BV	484864.	50.000 NG	1.91
16	178	852	12:59	1	1.007	A VB	487712.	50.000 NG	1.91
17	149	893	13:36	1	1.056	A BB	742926.	50.000 NG	1.91
18	97	922	14:03	1	1.090	A BV	151876.	50.000 NG	1.91
19	211	940	14:19	1	1.111	A BV	35832.	200.000 NG	7.63
20	202	954	14:32	1	1.128	A BB	381010.	50.000 NG	1.91
21	240	1087	16:33	21	1.000	A BB	156196.	40.000 NG	1.53
22	184	961	14:38	21	0.884	A BB	26092.	50.000 NG	1.91
23	202	975	14:51	21	0.897	A VB	404184.	50.000 NG	1.91
24	185	973	14:49	21	0.895	A BB	7768.	50.000 NG	1.91
25	229	996	15:10	21	0.916	A BB	52940.	50.000 NG	1.91
26	139	999	15:13	21	0.919	A BB	269160.	50.000 NG	1.91
27	212	1025	15:37	21	0.943	A BB	99344.	50.000 NG	1.91
28	149	1024	15:36	21	0.942	A BV	257928.	50.000 NG	1.91
29	181	1050	16:00	21	0.966	A BB	120876.	50.000 NG	1.91
30	231	1076	16:23	21	0.990	A BB	35008.	50.000 NG	1.91
31	252	1078	16:29	21	0.992	A BB	47236.	50.000 NG	1.91
32	244	1074	16:21	21	0.988	A BB	28716.	50.000 NG	1.91
33	149	1078	16:29	21	0.992	A BV	393169.	50.000 NG	1.91
34	228	1085	16:32	21	0.998	A BV	227676.	50.000 NG	1.91
35	228	1090	16:36	21	1.003	A VB	217486.	50.000 NG	1.91
36	264	1291	19:40	36	1.000	A BB	115292.	40.000 NG	1.53
37	149	1149	17:30	36	0.890	A BB	417408.	50.000 NG	1.91
38	252	1227	18:41	36	0.950	A BB <sup>44975</sup>	288945.	100.000 NG	3.82
39	256	1227	18:41	36	0.950	A BB	70200.	50.000 NG	1.91
40	252	1227	18:41	36	0.950	A BB <sup>44975</sup>	288945.	100.000 NG	3.82
41	252	1281	19:31	36	0.992	A BB	171769.	50.000 NG	1.91
42	268	1348	20:22	36	1.044	A BB	83884.	50.000 NG	1.91
43	279	1472	22:25	36	1.140	A BB	127616.	50.000 NG	1.91
44	276	1523	23:12	36	1.180	A BB	192244.	50.000 NG	1.91
45	278	1523	23:12	36	1.180	A BB	158504.	50.000 NG	1.91
46	276	1592	24:15	36	1.233	A BB	133512.	50.000 NG	1.91
47	234	806	12:17	1	0.953	A BB	25196.	25.000 NG	0.93

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	12:33	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	11:43	1.00	30.000	0.03	50.00	50.00	0.111	0.111	1.00
3	11:45	1.00	10.000	0.09	100.00	100.00	0.815	0.815	1.00
4	11:45	1.00	10.000	0.09	100.00	100.00	0.815	0.815	1.00

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:06	1.00	20.000	0.09	50.00	50.00	0.060	0.060	1.00
6	12:08	1.00	10.000	0.09	50.00	50.00	0.642	0.642	1.00
7	12:14	1.00	10.000	0.09	50.00	50.00	0.165	0.165	1.00
8	12:09	1.00	10.000	0.09	25.00	25.00	0.106	0.106	1.00
9	12:25	1.00	10.000	0.10	50.00	50.00	0.180	0.180	1.00
10	12:28	1.00	10.000	0.10	50.00	50.00	0.197	0.197	1.00
11	12:35	1.00	10.000	0.10	50.00	50.00	0.749	0.749	1.00
12	12:40	1.00	10.000	0.10	50.00	50.00	0.412	0.412	1.00
13	12:41	1.00	20.000	0.09	50.00	50.00	0.104	0.104	1.00
14	12:48	1.00	10.000	0.10	50.00	50.00	0.078	0.078	1.00
15	12:55	1.00	10.000	0.10	50.00	50.00	1.304	1.304	1.00
16	12:59	1.00	10.000	0.10	50.00	50.00	1.311	1.311	1.00
17	13:36	1.00	10.000	0.11	50.00	50.00	1.997	1.997	1.00
18	14:03	1.00	20.000	0.09	50.00	50.00	0.408	0.408	1.00
19	14:19	1.00	50.000	0.02	200.00	200.00	0.024	0.024	1.00
20	14:32	1.00	10.000	0.11	50.00	50.00	1.024	1.024	1.00
21	16:33	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	14:38	1.00	10.000	0.09	50.00	50.00	0.134	0.134	1.00
23	14:31	1.00	10.000	0.09	50.00	50.00	2.070	2.070	1.00
24	14:49	1.00	20.000	0.04	50.00	50.00	0.040	0.040	1.00
25	15:10	1.00	10.000	0.09	50.00	50.00	0.271	0.271	1.00
26	15:13	1.00	10.000	0.09	50.00	50.00	1.379	1.379	1.00
27	15:37	1.00	20.000	0.09	50.00	50.00	0.509	0.509	1.00
28	15:36	1.00	10.000	0.09	50.00	50.00	1.321	1.321	1.00
29	16:00	1.00	10.000	0.10	50.00	50.00	0.619	0.619	1.00
30	16:23	1.00	10.000	0.10	50.00	50.00	0.179	0.179	1.00
31	16:25	1.00	10.000	0.10	50.00	50.00	0.242	0.242	1.00
32	16:21	1.00	10.000	0.10	50.00	50.00	0.147	0.147	1.00
33	16:25	1.00	10.000	0.10	50.00	50.00	1.809	1.809	1.00
34	16:32	1.00	10.000	0.10	50.00	50.00	1.166	1.166	1.00
35	16:36	1.00	10.000	0.10	50.00	50.00	1.114	1.114	1.00
36	19:40	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:30	1.00	10.000	0.09	50.00	50.00	2.896	2.896	1.00
38	18:41	1.00	10.000	0.10	100.00	100.00	1.002	1.002	1.00
39	18:41	1.00	10.000	0.10	50.00	50.00	0.487	0.487	1.00
40	18:41	1.00	10.000	0.10	100.00	100.00	1.002	1.002	1.00
41	19:31	1.00	10.000	0.10	50.00	50.00	1.192	1.192	1.00
42	20:32	1.00	10.000	0.10	50.00	50.00	0.582	0.582	1.00
43	22:25	1.00	10.000	0.11	50.00	50.00	0.886	0.886	1.00
44	23:12	1.00	10.000	0.12	50.00	50.00	1.334	1.334	1.00
45	23:12	1.00	10.000	0.12	50.00	50.00	1.100	1.100	1.00
46	24:15	1.00	10.000	0.12	50.00	50.00	1.065	1.065	1.00
47	12:17	1.00	10.000	0.10	25.00	25.00	0.135	0.135	1.00

INITIAL TIME OF TUNE 13:22  
TIME TUNE EXPIRES 5/16/90  
SHIFT(S) (A) \_\_\_\_\_ (B) \_\_\_\_\_ (C) X  
DATE 5/16/90  
ANALYSIS TYPE 8270

RUN LOG

PREVENTIVE MAINTENANCE J.C. 5/16/90

FILE NAME	DATE	TIME	EPA ID	CASE NO.	STD ID #	AMOUNT RECD	CHEMIST	COMMENTS (Lot #s, Disposition, Etc.)
<del>71920516C22</del>	<del>5/16/90</del>	<del>1:22</del>	<del>DE TTP</del>		<del>7050</del>	<del>1ul</del>	<del>1019</del>	<del>30340</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>1:40</del>	<del>50N6</del>		<del>2387</del>	<del>2ul</del>	<del>1019</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>2:57</del>	<del>50N6</del>		<del>2387</del>	<del>2ul</del>	<del>1019</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>3:34</del>	<del>50N6</del>		<del>2387</del>	<del>2ul</del>	<del>1019</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>4:59</del>	<del>73820106</del>	<del>20124</del>		<del>1ul</del>	<del>1019</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>5:34</del>	<del>73820107</del>	<del>"</del>		<del>1ul</del>	<del>1019</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>6:05</del>	<del>73820108</del>	<del>"</del>		<del>1ul</del>	<del>1019</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>7:11</del>	<del>73820111</del>	<del>"</del>		<del>1ul</del>	<del>1019</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>7:52</del>	<del>73820112</del>	<del>"</del>		<del>1ul</del>	<del>1019</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>8:55</del>	<del>73820110</del>	<del>20124</del>		<del>1ul</del>	<del>740</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>10:17</del>	<del>73820109</del>	<del>20124</del>		<del>1ul</del>	<del>740</del>	<del>30340</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>11:14</del>	<del>73820113</del>	<del>20124</del>		<del>1ul</del>	<del>740</del>	<del>"</del>
<del>71920516C22</del>	<del>5/16/90</del>	<del>12:31</del>	<del>80500000</del>			<del>1ul</del>	<del>740</del>	<del>"</del>

Run copied

VERIFIED J. Calabrese 5/16/90  
SUPERVISOR APPROVAL J. Calabrese 5/16/90

- (3) Internal Standard Area Summary (Form VII SV-1, SV-2) - in order by instrument, if more than one instrument used.

When more than one continuing calibration is performed, forms must be in chronological order, by instrument.



8B  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HG900510B06 Date Analyzed: 05/10/90  
 Instrument ID: 06 Time Analyzed: 1808

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	141000	6.95	489000	8.55	318000	10.87
UPPER LIMIT	282000		978000		636000	
LOWER LIMIT	70500		244500		159000	
EPA SAMPLE NO.						
01 73800101	163000	6.93	523000	8.54	319000	10.84
02 73800102	165000	6.98	526000	8.59	357000	10.90
03 73800103	139000	6.92	435000	8.55	262000	10.84
04 73800104	159000	6.97	497000	8.57	335000	10.89
05 73800103MS	131000	6.92	426000	8.54	257000	10.82
06 73800103MSD	149000	6.90	549000	8.50	356000	10.80
07 SBLK76	165000	6.97	543000	8.59	334000	10.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

BC  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HG900510B06 Date Analyzed: 05/10/90  
 Instrument ID: 06 Time Analyzed: 1808

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	489000	12.79	433000	16.35	333000	18.82
UPPER LIMIT	978000		866000		666000	
LOWER LIMIT	244500		216500		166500	
EPA SAMPLE NO.						
01 73800101	510000	12.75	376000	16.27	302000	18.69
02 73800102	548000	12.82	399000	16.37	274000	18.89
03 73800103	424000	12.75	259000	16.27	207000	18.69
04 73800104	507000	12.80	337000	16.35	276000	18.82
05 73800103MS	382000	12.75	255000	16.30	204000	18.75
06 73800103MSD	571000	12.75	413000	16.32	330000	18.75
07 SBLK76	487000	12.82	341000	16.35	274000	18.79

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

88  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HH900518C06 Date Analyzed: 05/18/90  
 Instrument ID: 06 Time Analyzed: 0249

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	133000	7.03	496000	8.70	241000	11.14
UPPER LIMIT	266000		992000		482000	
LOWER LIMIT	66500		248000		120500	
EPA SAMPLE NO.						
01 73800106RE	168000	7.00	544000	8.69	271000	11.10
02 73800107RE	167000	6.97	528000	8.69	241000	11.10
03 73800113RE	196000	7.00	604000	8.69	306000	11.10
04 SBLK31	164000	7.00	532000	8.69	240000	11.10

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HH900518C06 Date Analyzed: 05/18/90  
 Instrument ID: 06 Time Analyzed: 0248

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	355000	13.20	273000	16.92	215000	19.40
UPPER LIMIT	716000		546000		430000	
LOWER LIMIT	179000		136500		107500	
EPA SAMPLE NO.						
01 73800106RE	373000	13.17	262000	16.85	194000	19.35
02 73800107RE	331000	13.20	159000	16.90	116000	19.42
03 73800113RE	371000	13.15	224000	16.84	163000	19.35
04 SBLK31	296000	13.17	154000	16.85	115000	19.37

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrycene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8B  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HG900517B07 Date Analyzed: 05/17/90  
 Instrument ID: 07 Time Analyzed: 1732

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	223000	7.27	675000	9.05	354000	11.64
UPPER LIMIT	446000		1350000		708000	
LOWER LIMIT	111500		337500		177000	
EPA SAMPLE NO.						
01 73800102RE	163000	7.25	1050000	9.04	561000	11.62
02 73800104RE	281000	7.28	872000	9.07	448000	11.65
03 SBLK15	166000	7.23	489000	9.02	259000	11.60

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HG900517B07 Date Analyzed: 05/17/90  
 Instrument ID: 07 Time Analyzed: 1732

	IS4 (PHN) AREA ‡	RT	IS5 (CRY) AREA ‡	RT	IS6 (PRY) AREA ‡	RT
12 HOUR STD	494000	13.82	352000	17.89	329000	21.59
UPPER LIMIT	988000		704000		658000	
LOWER LIMIT	247000		176000		164500	
EPA SAMPLE No.						
01 73800102RE	781000	13.80	511000	17.85	420000	21.52
02 73800104RE	644000	13.82	472000	17.89	373000	21.57
03 SBLK15	347000	13.80	240000	17.85	260000	21.52

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

‡ Column used to flag internal standard area values with an asterisk

## SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HH900521C07 Date Analyzed: 05/21/90  
 Instrument ID: 07 Time Analyzed: 0529

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	97300	7.20	329000	8.95	197000	11.50
UPPER LIMIT	194600		658000		394000	
LOWER LIMIT	48650		164500		98500	
EPA SAMPLE NO.						
01 73800109RE	133000	7.20	431000	8.97	239000	11.52
02 73800112	121000	7.22	366000	8.97	218000	11.52
03 SELK93	139000	7.18	440000	8.92	267000	11.49

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%

of internal standard area.

LOWER LIMIT = - 50%

of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HH900521C07 Date Analyzed: 05/21/90  
 Instrument ID: 07 Time Analyzed: 0529

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	289000	13.67	245000	17.77	202000	21.35
UPPER LIMIT	578000		490000		404000	
LOWER LIMIT	144500		122500		101000	
EPA SAMPLE NO.						
01 73800109RE	350000	13.69	270000	17.79	214000	21.44
02 73800112	327000	13.69	250000	17.79	207000	21.42
03 SBLK93	379000	13.67	254000	17.80	194000	21.45

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk



88  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HI900522B07 Date Analyzed: 05/22/90  
 Instrument ID: 07 Time Analyzed: 1646

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	204000	7.23	664000	9.02	370000	11.60
UPPER LIMIT	408000		1328000		740000	
LOWER LIMIT	102000		332000		185000	
EPA SAMPLE NO.						
01 73800112DL	242000	7.23	690000	9.02	384000	11.62

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (7-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HI900522B07 Date Analyzed: 05/22/90  
 Instrument ID: 07 Time Analyzed: 1646

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	521000	13.80	439000	17.85	422000	21.49
UPPER LIMIT	1042000		878000		844000	
LOWER LIMIT	260500		219500		211000	
EPA SAMPLE NO.						
01 73800112DL	539000	13.80	324000	17.87	312000	21.49

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8B  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HG900515A22 Date Analyzed: 05/15/90  
 Instrument ID: 22 Time Analyzed: 0811

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	143000	6.98	544000	8.60	287000	10.94
UPPER LIMIT	286000		1088000		574000	
LOWER LIMIT	71500		272000		143500	
EPA SAMPLE NO.						
01 73800105	169000	6.95	563000	8.55	296000	10.87
02 SBLK86	142000	6.95	469000	8.55	239000	10.89

IS1 (DCB) = 1,4-Dichlorobenzene-d4      UPPER LIMIT = + 100%  
 IS2 (NPT) = Naphthalene-d8              of internal standard area.  
 IS3 (ANT) = Acenaphthene-d10          LOWER LIMIT = - 50%  
    of internal standard area.

# Column used to flag internal standard area values with an asteriak

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HG900515A22 Date Analyzed: 05/15/90  
 Instrument ID: 22 Time Analyzed: 0831

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	383000	12.90	262000	16.59	206000	19.90
UPPER LIMIT	766000		524000		412000	
LOWER LIMIT	191500		131000		103000	
EPA SAMPLE NO.						
01 73800105	388000	12.82	229000	16.50	180000	19.69
02 SBLK86	313000	12.85	160000	16.52	109000	19.75

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

## SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HI900516C22 Date Analyzed: 05/16/90  
 Instrument ID: 22 Time Analyzed: 0114

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	125000	6.85	503000	8.44	241000	10.74
UPPER LIMIT	250000		1006000		482000	
LOWER LIMIT	62500		251500		120500	
EPA SAMPLE NO.						
01 73800106	146000	6.83	511000	8.44	249000	10.75
02 73800107	132000	6.82	468000	8.42	222000	10.74
03 73800108	155000	6.82	503000	8.42	236000	10.72
04 73800109	165000	6.82	569000	8.42	271000	10.72
05 73800110	161000	6.82	552000	8.42	270000	10.74
06 73800111	159000	6.82	561000	8.42	278000	10.72
07 73800113	166000	6.80	528000	8.42	231000	10.72

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Lab File ID (Standard): HI900516C22 Date Analyzed: 05/16/90  
 Instrument ID: 22 Time Analyzed: 0334

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	298000	12.69	156000	16.30	115000	19.35
UPPER LIMIT	596000		312000		230000	
LOWER LIMIT	149000		78000		57500	
EPA SAMPLE NO.						
01 73800106	322000	12.70	160000	16.35	99600	19.47
02 73800107	278000	12.67	119000	16.30	83900	19.39
03 73800108	302000	12.67	151000	16.29	111000	19.35
04 73800109	333000	12.67	132000	16.29	89800	19.35
05 73800110	304000	12.67	165000	16.32	114000	19.39
06 73800111	326000	12.65	177000	16.29	141000	19.35
07 73800113	254000	12.67	135000	16.30	94500	19.35

IS4 (PHH) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

**D. RAW QC DATA**

- (1) DFTPP (for each 12-hour period, for each GC/MS system utilized)
  - (a) Bar graph spectrum
  - (b) Mass listing
- (2) Blank Data - in chronological order. NOTE: This order is different from that used for samples.
  - (a) Tabulated results (Form I SV-1, SV-2)
  - (b) Tentatively identified Compounds (Form I SV-1 - TIC) - even if none found.
  - (c) Reconstructed ion chromatogram (a) and quantitation report (a) or legible facsimile (GC/MS)
  - (d) TCL spectra with lab generated standard. Data systems which are incapable of dual display shall provide spectra in order:
    - Raw TCL compound spectra
    - Enhanced or background subtracted spectra
    - Laboratory generated TCL standard spectra
  - (e) GC/MS library search spectra for Tentatively identified Compound (a) (TIC) concentrations
  - (f) Quantitation/Calculation of Tentatively identified Compounds (a) (TIC) concentrations
- (3) Matrix Spike Data
  - (a) Tabulated results (Form I) of nonspiked TCL compounds. Form I SV - TIC not required.
  - (b) Reconstructed ion chromatogram (a) and quantitation report (a) or legible facsimile (GC/MS). Spectra not required.
- (4) Matrix Spike Duplicate Data
  - (a) Tabulated results (Form I SV-1, SV-2) of nonspiked TCL compounds. Form I SV - TIC not required.
  - (b) Reconstructed ion chromatogram (a) and quantitation report (a) or legible facsimile (GC/MS). Spectra not required.

(1) DFTPP (for each 12-hour period, for each GC/MS system utilized)

(a) Bar graph spectrum

(b) Mass listing

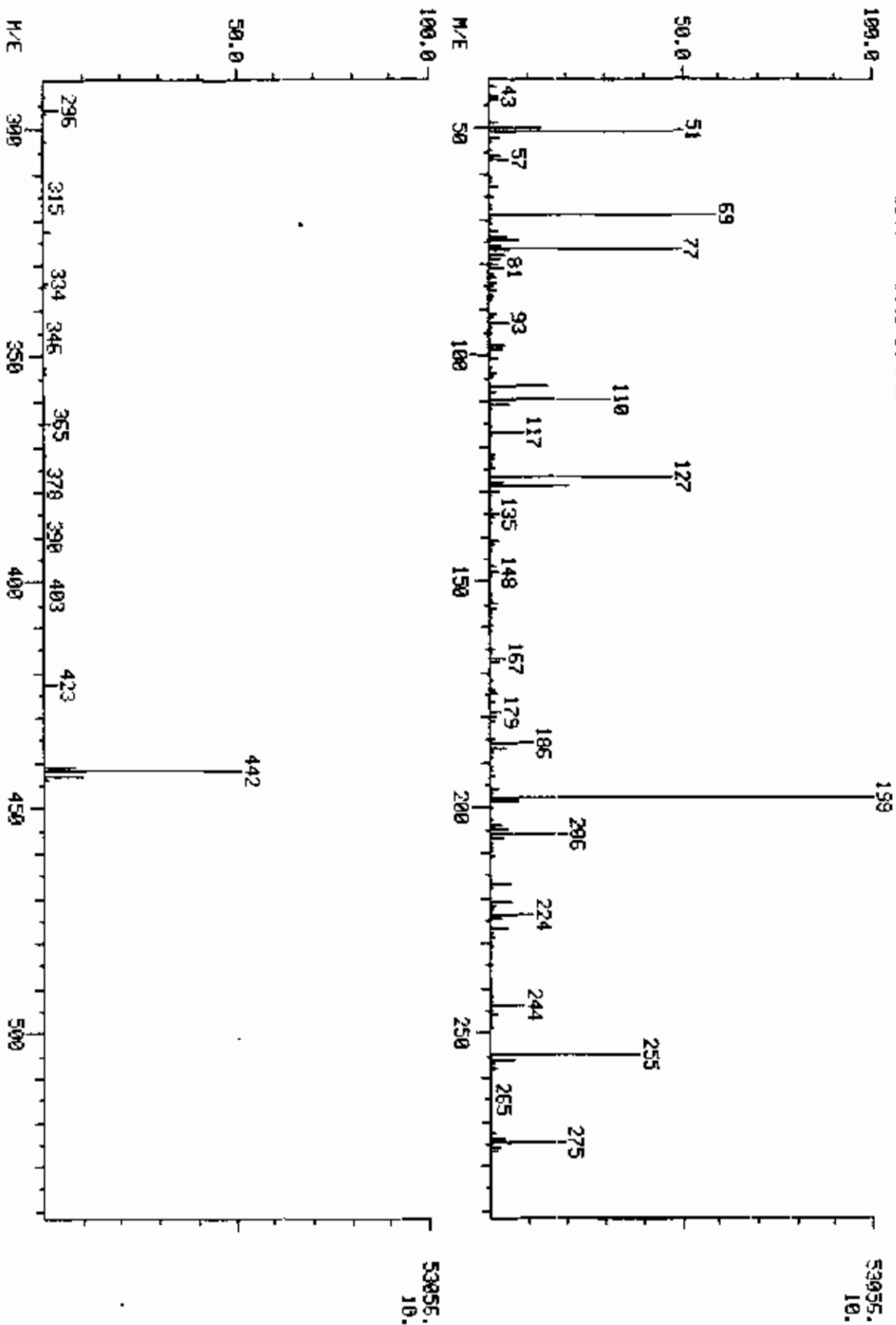


MASS SPECTRUM  
05/05/90 2:57:00 + 5110  
SAMPLE: 1 UL 31944(7050) DFTPP  
#344 TO #345 SUMMED

COMPUCHEN LABS

DATA: DF900505C06 #344

BASE M/E: 199  
R1C1 433664.



## COMPUchem LABS

MASS LIST

DATA: DF900505C06 # 344

BASE M/E: 198

05/05/90 2:57:00 + 5:10

RIC: 433664.

SAMPLE: 1 UL 31944(7050) DFTPP

#344 TO #345 SUMMED

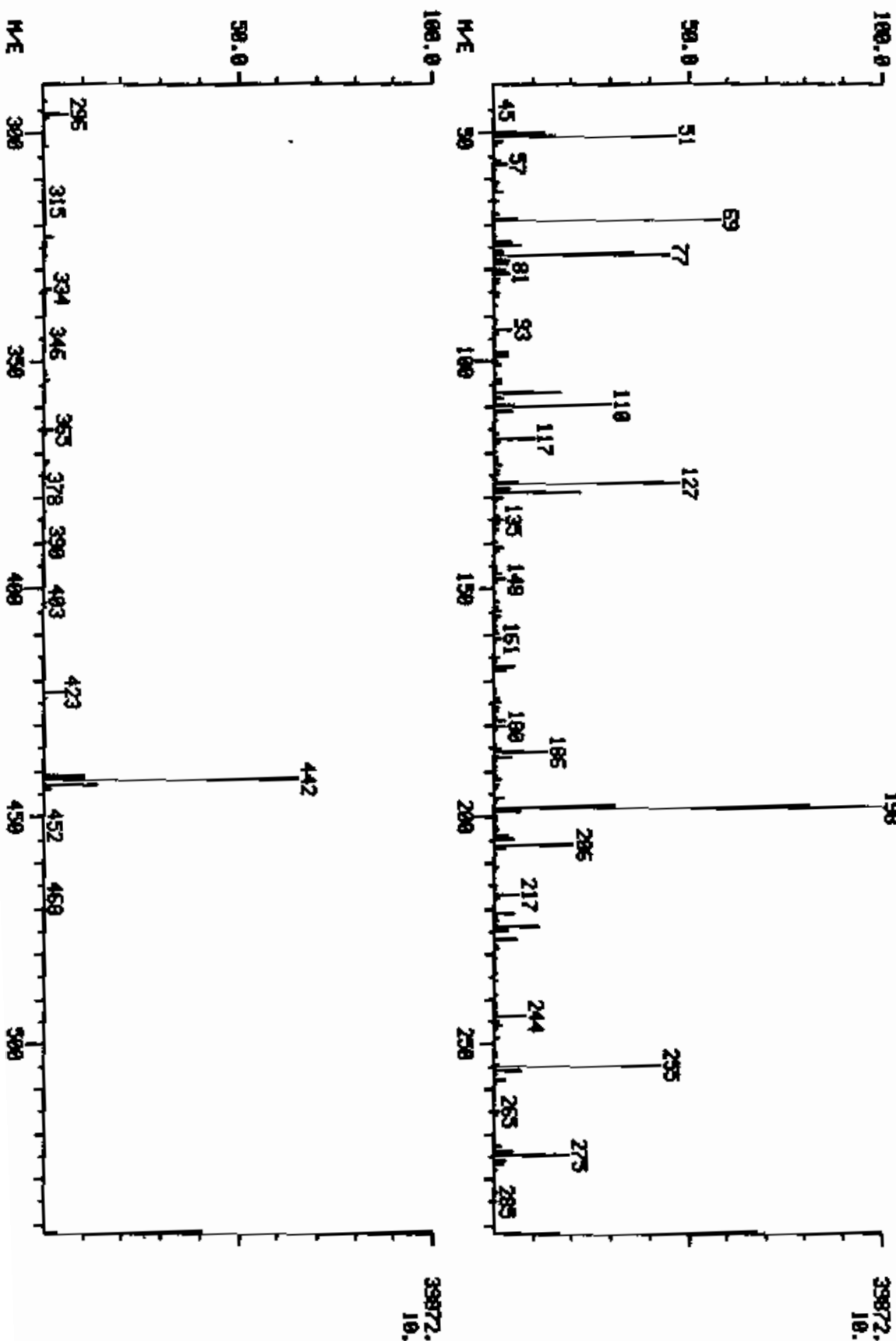
41	0.00	MINIMA	MIN INTEN:	91.	MAX INTEN:	53056.	
444 #	0	MAXIMA					
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
41	1.75	102	0.22	167	4.00	236	0.27
43	2.32	103	0.57	168	2.15	237	0.23
44	2.06	104	1.59	169	0.26	242	0.36
45	0.29	105	1.14	172	0.46	243	0.44
47	0.21	107	15.23	174	1.34	244	8.79
49	2.50	108	1.95	175	1.58	245	0.60
90	13.77	110	31.72	176	0.26	246	1.71
91	50.48	111	4.85	177	0.85	249	0.32
92	2.81	112	0.60	179	2.83	252	0.18
93	0.35	116	0.68	180	1.63	253	0.21
95	0.79	117	9.76	181	1.26	255	39.02
96	2.71	118	0.66	184	0.24	256	5.95
97	5.10	122	0.95	185	1.29	257	0.92
61	0.45	123	1.29	186	11.20	258	1.74
62	0.57	124	0.36	187	3.97	264	0.29
63	2.19	125	1.03	188	0.69	265	0.78
64	0.24	126	0.21	189	0.73	266	0.17
65	1.08	127	47.47	190	0.20	273	1.26
67	0.44	128	3.45	191	0.60	274	3.64
68	0.66	129	20.24	192	0.84	275	19.33
69	59.35	130	2.07	193	1.01	276	2.34
70	0.57	131	0.34	195	0.24	277	1.47
71	0.66	133	0.24	196	2.24	278	0.21
73	2.22	134	0.45	197	0.64	281	0.59
74	4.27	135	2.16	198	100.00	285	0.38
75	7.65	136	1.04	199	7.43	293	0.40
76	2.80	137	0.76	200	0.36	296	4.17
77	49.88	138	0.27	203	0.31	297	0.66
78	4.04	139	0.21	204	2.88	303	0.62
79	2.77	141	2.34	205	4.68	314	0.24
80	2.30	142	1.14	206	19.54	315	0.36
81	4.12	143	0.75	207	3.39	323	1.50
82	1.27	145	0.19	208	0.78	334	0.89
83	1.59	146	0.26	209	0.35	335	0.32
84	1.85	147	1.46	210	0.38	341	0.20
85	1.02	148	2.23	211	0.99	352	0.17
86	1.58	149	0.41	215	0.26	353	0.39
87	0.93	151	0.25	216	0.20	354	0.38
88	0.36	153	0.84	217	5.32	365	1.51
91	1.70	154	0.51	218	0.82	372	0.72
92	0.95	155	1.46	221	5.59	390	0.18
93	5.37	156	1.78	222	1.12	403	0.53
94	0.51	157	0.51	223	0.81	423	3.17
95	0.72	158	0.47	224	11.05	424	0.26
96	0.28	159	0.27	225	2.67	441	7.83
97	0.26	160	0.72	227	4.31	442	51.57
98	4.17	161	0.66	228	0.47	443	10.06
99	3.34	162	0.26	229	0.95	444	1.23
100	0.20	165	0.95	231	0.41		
101	2.09	166	0.54	235	0.29		

MASS SPECTRUM  
05/10/90 17:38:00 + 4:49  
SAMPLE: 1UL DTPP 3194(7850) 04865  
ENHANCED (5 150 24)

COMPUCHEN LABS

DATA: DF900210005 0321

BASE M/E: 198  
R/C: 344576.



COMPUCHER LABB  
 MASS LIST DATA: DF900510806 # 321 BASE M/E: 198  
 05/10/90 17:38:00 + 4:49 RIC: 344576  
 SAMPLE: 1UL DFTPP 31944(7050) DMS06  
 ENHANCED (8 158 2N 0T)

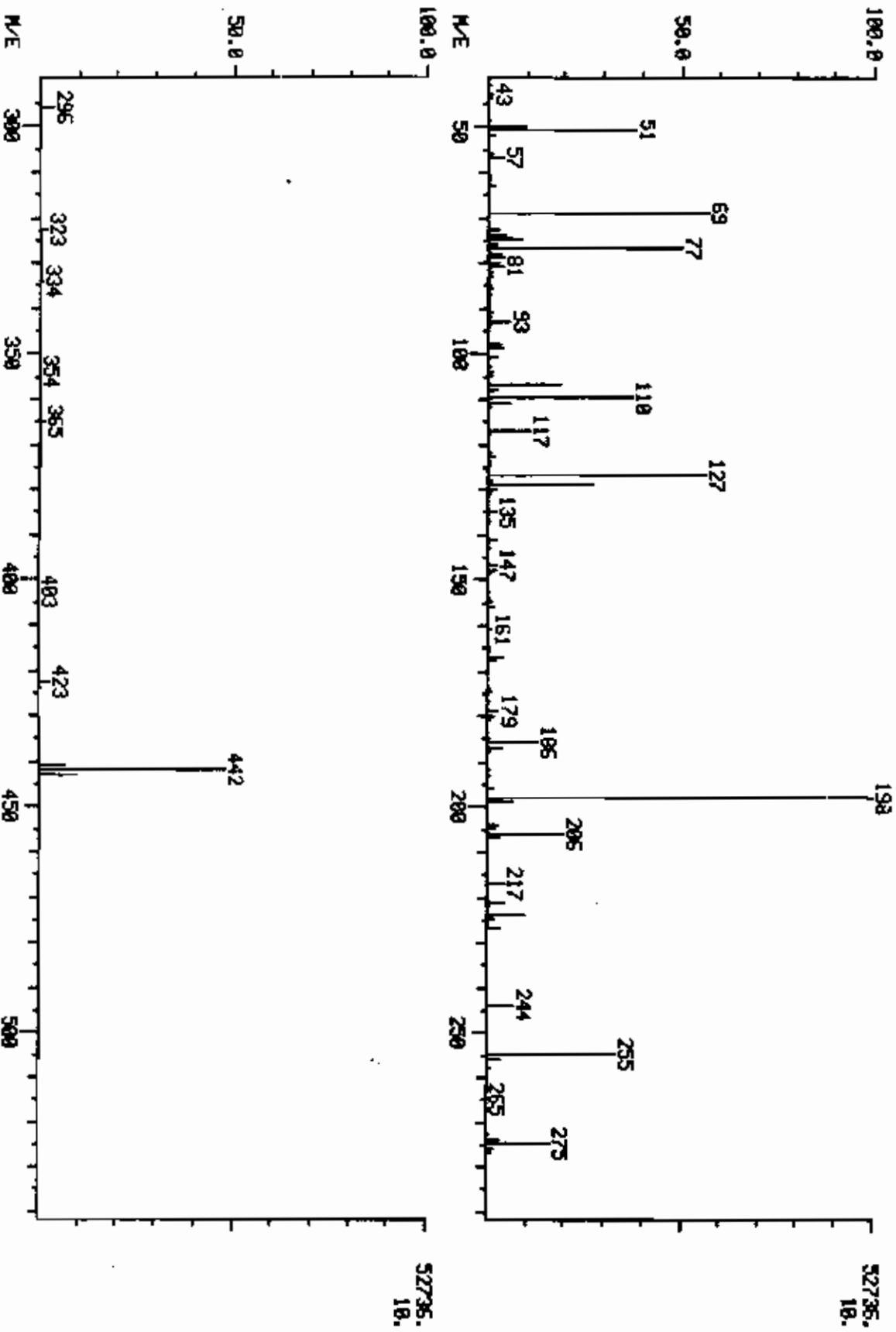
42 473 #	0.00 0	MINIMA MAXIMA	MIN INTEN:	111.	MAX INTEN:	39872.	
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
45	0.71	121	0.32	189	1.82	255	43.10
47	0.48	122	0.71	186	13.78	256	6.97
50	13.18	123	1.77	187	4.35	257	0.60
51	46.95 ✓	124	0.95	188	0.46	258	2.69
52	2.40	125	1.06	189	0.83	259	0.49
53	0.44	126	0.35	190	0.32	265	1.39
56	1.50	127	47.51 ✓	191	0.40	266	0.72
57	3.48	128	4.04	192	1.57	273	1.43
58	0.40	129	21.95	193	1.35	274	4.69
61	0.91	130	2.15	194	0.45	275	19.08 ✓
62	0.58	131	0.43	196	2.38	276	2.88
63	2.03	132	0.35	197	0.34 ✓	277	2.00
65	1.25	134	1.04	198	100.00 ✓	278	0.51
68	0.95 ✓	135	2.01	199	6.80 ✓	283	0.38
69	57.95 ✓	136	1.07	200	0.58	285	0.59
73	0.53	137	1.07	201	0.59	293	0.32
74	4.55	140	0.35	202	0.34	296	6.09
75	6.57	141	2.53	203	0.92	297	1.01
76	2.44	142	0.96	204	3.20	303	0.93
77	45.18	145	0.29	205	5.02	314	0.28
78	3.75	146	0.56	206	20.37	315	0.74
79	3.35	147	1.52	207	2.78	316	0.49
80	2.67	148	2.93	208	0.67	321	0.36
81	3.85	149	0.67	211	1.32	323	2.04
82	1.05	151	0.45	215	0.38	324	0.39
83	1.38	153	0.91	216	0.59	325	0.33
85	0.90	154	0.86	217	6.15	327	0.39
86	1.25	155	1.95	218	0.95	334	1.60
88	0.32	156	1.90	221	5.13	335	0.80
91	0.83	157	0.52	222	0.71	346	0.50
92	0.48	158	0.37	223	1.20	352	0.57
93	4.48	159	0.50	224	11.26	353	0.40
94	0.92	160	1.03	225	3.16	354	1.00
98	3.61	161	1.42	227	5.43	365	2.11 ✓
99	3.50	162	0.70	228	0.77	366	0.37
100	0.44	165	1.38	229	1.11	372	1.18
101	1.97	166	0.77	231	0.48	373	0.45
103	0.83	167	4.82	234	0.47	383	0.35
104	1.60	168	2.68	236	0.31	390	0.31
105	1.93	172	0.49	239	0.37	401	0.28
107	16.95	173	0.47	241	0.38	403	0.83
108	2.43	174	1.37	242	0.78	404	0.32
110	29.90	175	1.92	243	0.84	421	0.40
111	4.77	176	0.89	244	8.18	422	0.39
112	0.62	177	0.86	245	1.32	423	4.49
113	0.35	178	0.56	246	1.84	424	0.85
116	1.18	179	3.02	247	0.48	441	10.02 ✓
117	10.16	180	3.04	249	0.94	442	69.17 ✓
118	1.21	181	0.83	252	0.44	443	13.62 ✓
120	0.40	184	0.47	253	0.31	444	1.45

MASS SPECTRUM  
05/18/90 2:26:00 + 4:45  
SAMPLE: 1 UL DETPM17059  
#316 TO #317 SUMMED

COMPUCHEN LABS

DATA: DM900518006 #316

BASE M/E: 190  
RIC: 397312.



## COMPUCHEM LABS

MASS LIST

DATA: DH900518C06 # 316

BASE M/E: 198

05/18/90 2:26:00 + 4:45

RIC: 397312.

SAMPLE: 1 UL DFTPP#7050

#316 TO #317 SUMMED

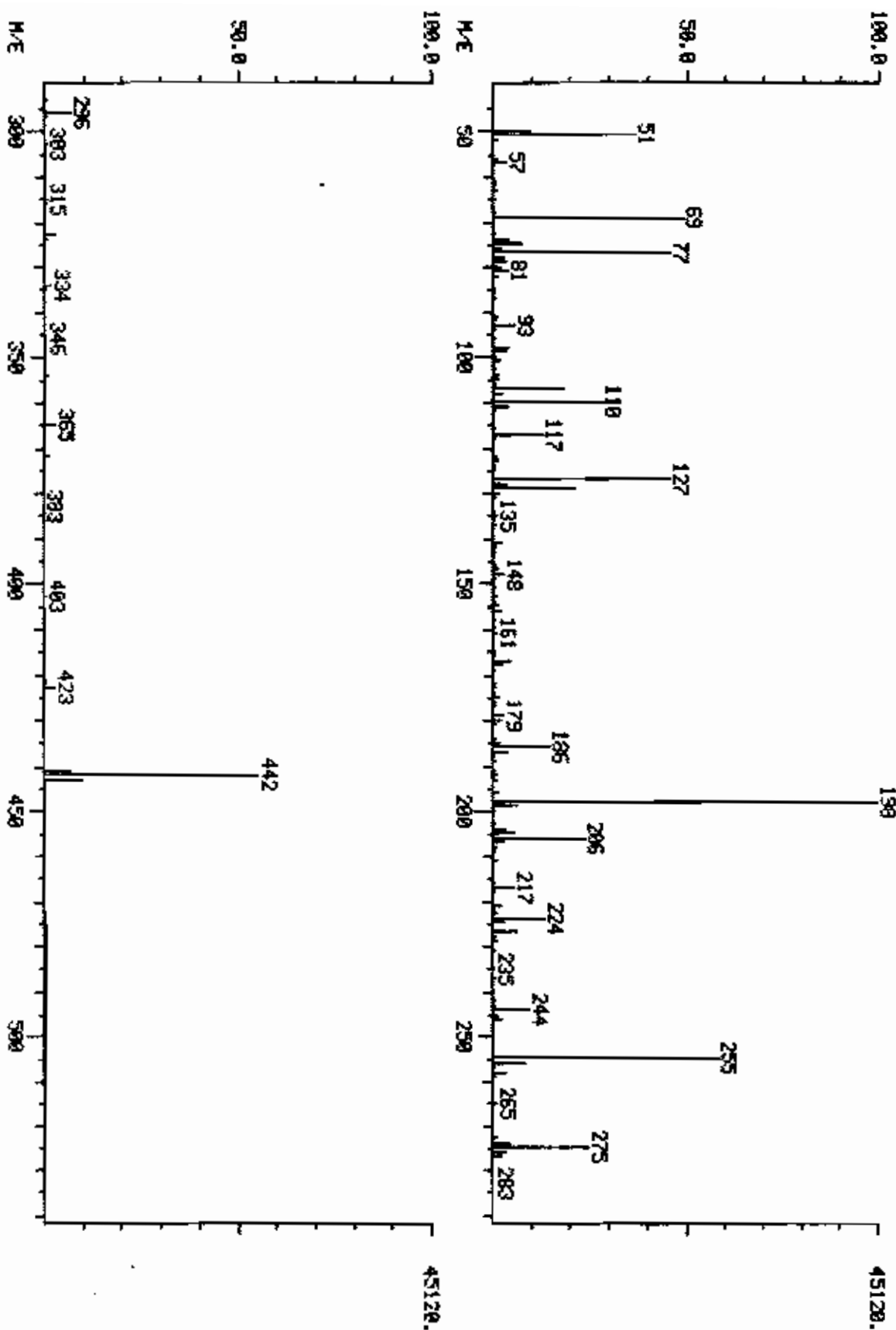
4A4 #	0.00 MINIMA	MIN INTEN:	0.	MAX INTEN:	52736.
MASS	% RA	MASS	% RA	MASS	% RA
41	0.55	118	0.77	204	2.82
43	0.98	122	0.53	205	2.18
44	0.68	123	1.64	206	19.51
45	0.15	124	0.61	207	3.22
49	0.39	125	0.68	208	0.25
50	9.62	127	56.49	211	0.39
51	38.59	128	1.25	217	4.55
52	1.96	129	27.31	218	0.15
55	0.26	130	2.06	221	4.24
56	1.30	131	0.33	222	0.41
57	4.07	134	0.27	224	9.37
61	0.32	135	2.37	225	1.83
62	0.51	136	0.28	227	3.48
63	1.70	137	0.57	228	0.26
64	0.17	141	2.43	229	0.27
65	0.80	142	0.80	244	6.83
69	57.22	143	0.29	245	0.36
70	0.14	147	2.34	246	0.64
73	3.04	148	2.31	255	33.43
74	4.49	149	0.46	256	3.40
75	8.53	153	0.57	258	1.35
76	2.38	154	0.30	265	0.15
77	50.42	155	1.17	273	0.41
78	3.18	156	1.77	274	3.44
79	4.16	158	0.23	275	16.38
80	2.77	160	0.27	276	1.71
81	4.21	161	1.11	277	0.85
82	0.98	165	0.74	296	3.28
83	1.12	166	0.52	297	0.27
85	0.71	167	4.23	323	1.67
86	0.99	168	2.10	334	0.44
87	0.33	173	0.21	354	0.18
91	1.16	174	0.50	365	1.32
92	0.75	175	1.40	372	0.52
93	5.89	177	0.64	403	0.24
94	0.36	179	2.77	422	0.18
96	0.14	180	1.93	423	2.71
98	3.45	181	0.83	424	0.36
99	3.90	185	0.33	441	6.61
100	0.22	186	12.97	442	48.06
101	2.41	187	3.68	443	9.66
103	0.52	188	0.69	444	0.66
104	1.17	189	0.23		
105	1.23	192	0.60		
107	18.51	193	0.84		
108	2.43	196	1.84		
110	37.14	198	100.00		
111	5.55	199	6.58		
112	0.49	200	0.26		
117	10.60	202	0.28		

MASS SPECTRUM  
04/07/98 7:52:00 + 5:18  
SAMPLE: 1UL DF7PP 31676(7850)  
ENHANCED (S 158 2N)

COMPUCHEM L985

DATA: DF300407907 0347

BASE M/E: 198  
RIC: 363088.



## COMPUCHEN LABS

MASS LIST

DATA: DF900407A07 # 347

BASE M/E: 178

04/07/90 7:52:00 + 5:10

RIC: 363008.

SAMPLE: IUL DFTFP 31676(7030)

ENHANCED (8 138 2M OT)

49 444 #	0.00 O	MINIMA MAXIMA	MIN INTEN:		69.	MAX INTEN: 45120.	
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
49	0.23	120	0.28	182	0.20	255	58.44
50	9.40	122	0.70	184	0.40	256	8.43
91	36.88	123	1.20	185	1.59	257	0.53
52	1.38	124	0.54	186	14.63	258	3.23
56	1.16	125	0.57	187	3.84	259	0.47
57	3.26	127	45.89	188	0.44	265	1.01
61	0.48	128	3.20	189	0.46	266	0.21
62	0.33	129	20.92	191	0.39	273	1.35
63	1.37	130	1.45	192	0.95	274	4.73
64	0.17	131	0.40	193	1.05	275	24.93
65	0.62	132	0.16	194	0.23	276	3.32
68	0.50	133	0.21	196	1.54	277	2.10
69	49.08	134	0.53	198	100.00	278	0.27
70	0.26	135	1.36	199	6.45	281	0.17
73	0.41	136	0.47	200	0.44	283	0.39
74	3.80	137	0.59	203	0.55	285	0.27
75	7.62	141	2.06	204	3.17	293	0.44
76	2.26	142	0.74	205	5.67	296	7.05
77	45.67	143	0.47	206	23.51	297	0.71
78	2.99	146	0.37	207	2.83	303	0.64
79	3.14	147	1.36	208	0.96	304	0.19
80	2.51	148	2.79	209	0.30	314	0.32
81	3.95	149	0.76	211	0.92	315	0.68
82	0.90	151	0.29	215	0.25	316	0.36
84	0.16	153	0.93	216	0.32	323	2.64
85	0.68	154	0.55	217	9.70	324	0.41
86	0.73	155	1.20	218	0.67	327	0.33
87	0.33	156	2.01	221	2.39	334	1.41
88	0.15	157	0.25	222	0.62	335	0.39
91	0.89	158	0.29	223	1.34	341	0.20
92	0.65	159	0.28	224	13.53	346	0.31
93	9.80	160	0.53	225	3.05	352	0.45
94	0.48	161	1.09	226	0.20	353	0.38
96	0.31	162	0.23	227	6.05	354	0.74
98	3.75	165	0.79	228	0.61	355	0.23
99	3.47	166	0.60	229	0.98	365	2.60
100	0.33	167	4.62	231	0.33	366	0.26
101	1.85	168	2.18	234	0.27	372	1.05
103	0.47	169	0.31	235	0.48	373	0.19
104	1.07	171	0.22	236	0.28	383	0.19
105	0.98	172	0.31	237	0.30	402	0.28
106	0.44	173	0.41	239	0.18	403	0.37
107	18.03	174	0.73	242	0.44	421	0.35
108	2.28	175	1.73	243	0.48	422	0.34
110	28.12	176	0.31	244	9.43	423	2.74
111	4.22	177	0.63	245	0.92	424	0.35
112	0.48	178	0.24	246	2.25	441	6.77
116	0.61	179	2.94	247	0.27	442	55.32
117	13.00	180	2.39	249	0.24	443	9.70
118	0.81	181	0.83	253	0.21	444	0.73

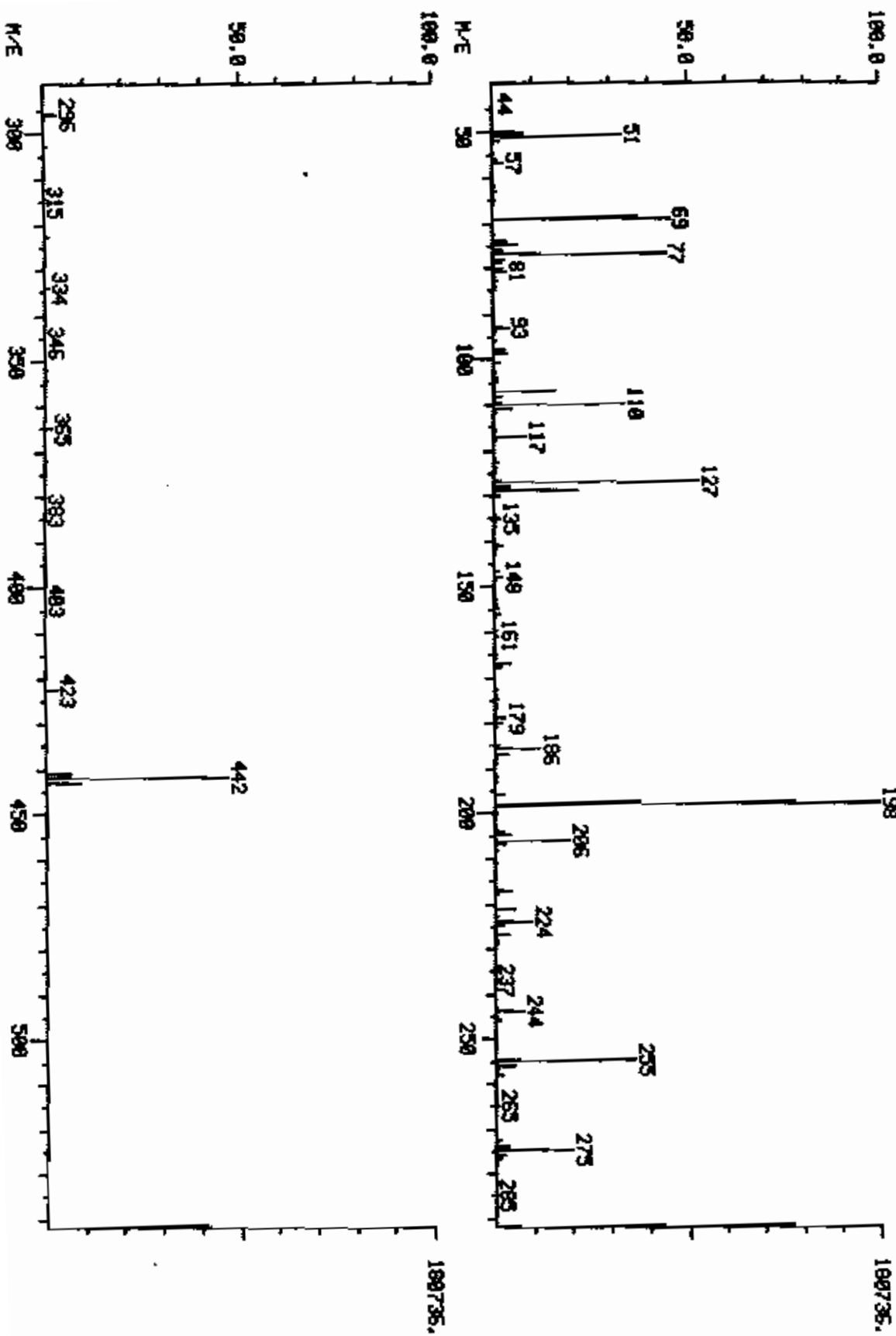


MASS SPECTRUM  
05/17/90 17:06:00 + 51.82  
SAMPLE: IUL.D\FTPP 31944(7838) 04487  
#338 TO #339 SUMMED

COMPUchem LABS

DATA: DF900517887 #338

BASE M/E: 198  
R1: 1279980.



## COMPUchem LABS

MASS LIST

DATA: DF900517B07 # 338

BASE M/E: 198

05/17/90 17:08:00 + 3:02

RIC: 1279990.

SAMPLE: IUL DFTPP 31944(7050) ON007

#338 TO #339 SUPPED

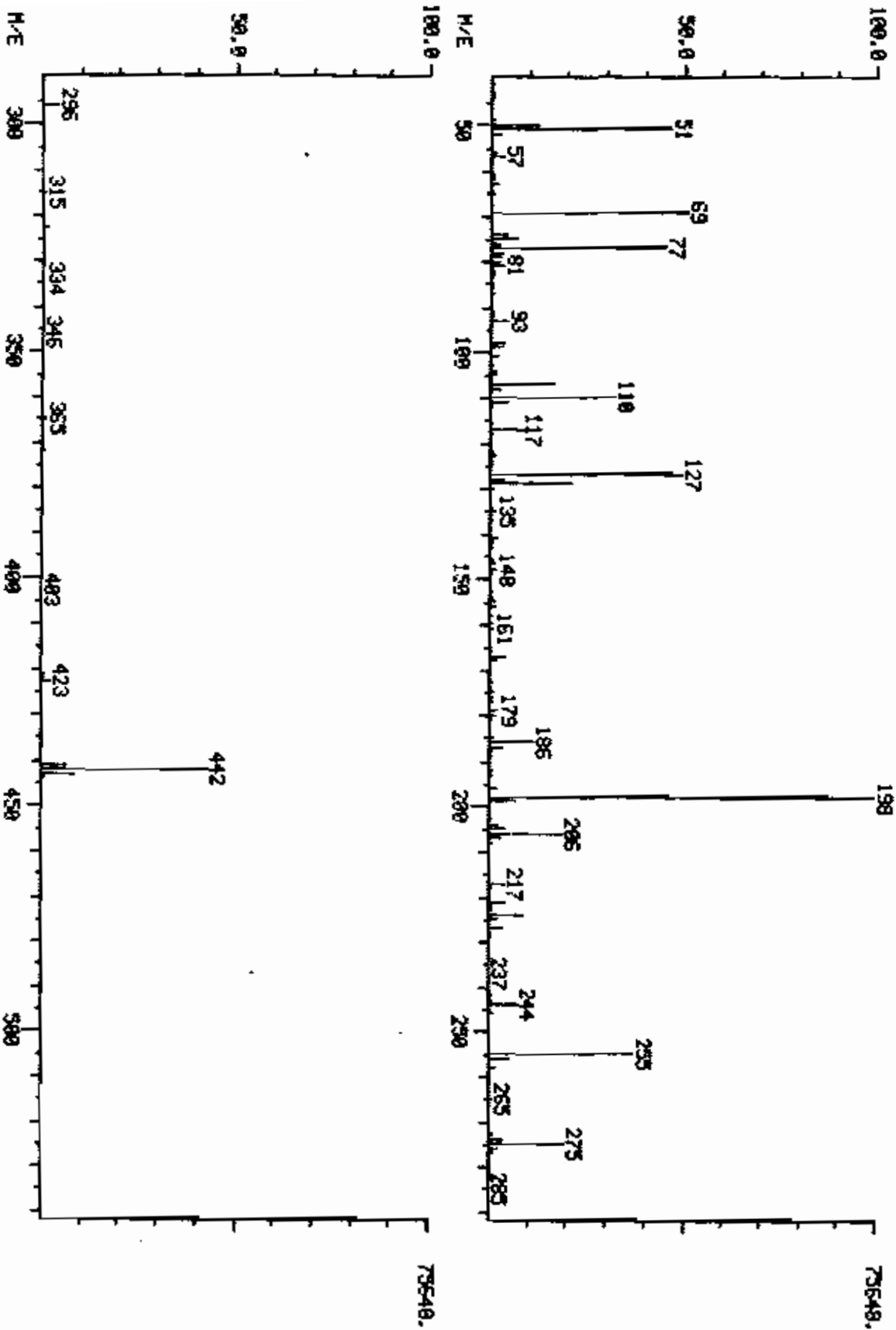
41		0.00 MINIMA		MIN INTEN: 181.		MAX INTEN: 180736.	
444 #	0	0	MAXIMA				
MASS	% RA	MASS	% RA	MASS	% RA	MASS	% RA
41	0.35	106	0.23	173	0.32	243	0.31
43	0.32	107	15.79	174	0.74	244	7.41
44	0.62	108	2.24	175	1.37	245	0.76
49	0.22	109	0.34	176	0.32	246	1.12
50	7.94	110	33.82	177	0.63	247	0.15
51	33.18	111	4.74	178	0.24	249	0.15
52	1.52	112	0.47	179	2.62	255	36.33
55	0.48	113	0.12	180	1.93	256	5.03
56	0.98	116	0.68	181	0.79	257	0.35
57	2.98	117	8.37	182	0.12	258	1.56
58	0.11	118	0.58	184	0.14	259	0.16
61	0.22	122	0.60	185	1.18	265	0.56
62	0.40	123	1.27	186	11.90	273	1.00
63	1.36	124	0.55	187	3.32	274	3.49
64	0.17	125	0.56	188	0.37	275	19.58
65	0.71	127	53.19	189	0.42	276	2.32
67	0.17	128	3.78	191	0.16	277	1.31
69	45.61	129	21.74	192	0.66	278	0.12
70	0.25	130	1.58	193	0.83	285	0.17
71	0.15	131	0.28	194	0.12	293	0.16
73	0.40	134	0.45	196	2.02	296	3.59
74	3.51	135	1.71	198	100.00	297	0.41
75	6.25	136	0.54	199	6.66	303	0.32
76	1.99	137	0.68	200	0.29	304	0.10
77	44.62	138	0.12	201	0.24	314	0.14
78	3.07	140	0.13	203	0.31	315	0.27
79	2.46	141	2.06	204	2.37	316	0.12
80	2.10	142	0.70	205	4.20	323	1.41
81	3.23	143	0.43	206	18.98	324	0.15
82	0.81	146	0.21	207	2.67	327	0.11
83	1.01	147	1.14	208	0.47	334	0.55
84	0.30	148	2.03	209	0.14	335	0.17
85	0.59	149	0.45	210	0.15	346	0.14
86	0.74	151	0.23	211	0.79	352	0.30
87	0.42	153	0.60	216	0.21	353	0.19
88	0.14	154	0.40	217	4.04	354	0.39
91	0.68	155	1.02	218	0.36	365	1.50
92	0.67	156	1.88	221	4.85	372	0.70
93	4.19	157	0.36	223	0.73	383	0.11
94	0.31	158	0.22	224	9.37	402	0.13
95	0.14	159	0.23	225	2.19	403	0.27
96	0.32	160	0.49	227	3.40	421	0.19
97	0.17	161	0.94	228	0.38	422	0.23
98	2.99	162	0.25	229	0.58	423	2.74
99	3.12	165	0.59	231	0.22	424	0.40
100	0.23	166	0.57	234	0.11	441	6.14
101	1.75	167	4.14	235	0.14	442	47.03
103	0.47	168	1.86	236	0.13	443	8.87
104	0.92	169	0.26	237	0.19	444	0.57
105	1.10	172	0.20	242	0.24		

MASS SPECTRUM  
05/21/98 4:30:00 + 4:57  
SAMPLE: 1 U.L. DTPPQ7050  
#332 TO #333 SUMMED

COMPUchem LABS

DATA: D:\980521\007 #332

BASE M/E: 198  
RICH 544758.



## COMPUCHEN LABS

MASS LIST  
09/21/90 4:30:00 + 4:57  
SAMPLE: 1 UL DFTPP#7050  
#332 TO #333 SUMMED

DATA: DF900321C07 # 332

BASE M/E: 198  
RIC: 344768.

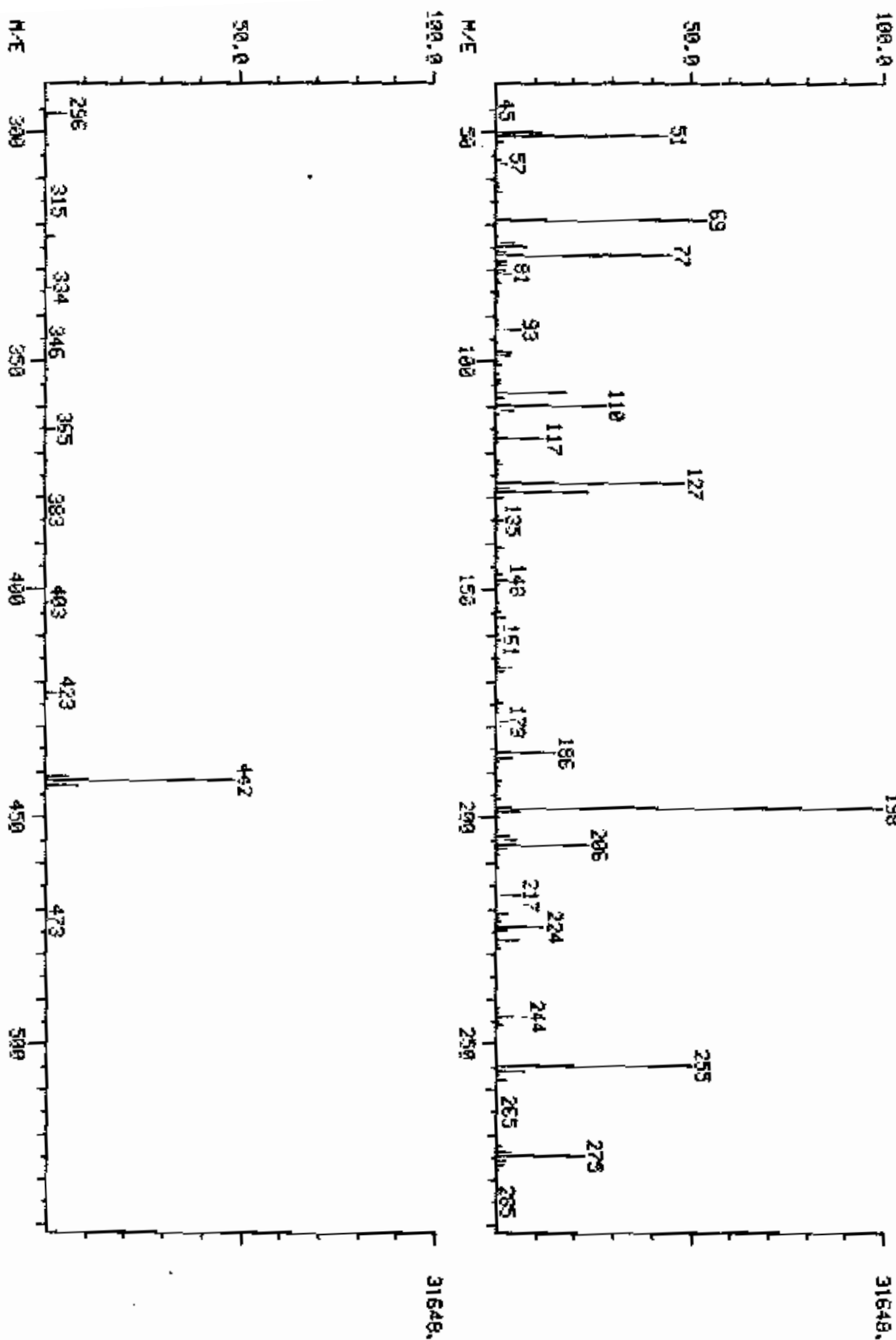
41 444 #	0.00 0	MINIMA MAXIMA	MIN INTEN:		0.	MAX INTEN: 75648.	
MASS	X RA	MASS	X RA	MASS	X RA	MASS	X RA
41	0.41	122	0.69	186	11.93	276	2.31
43	0.29	123	1.29	187	3.46	277	1.26
44	0.38	124	0.48	188	0.32	285	0.15
49	0.43	125	0.44	189	0.40	293	0.19
50	12.69	127	49.92	191	0.22	296	3.79
51	46.87	128	3.41	192	0.56	303	0.34
52	2.00	129	20.64	193	0.63	315	0.30
56	1.35	130	1.32	194	0.16	323	1.36
57	3.20	131	0.25	196	1.80	324	0.14
61	0.44	132	0.15	198	100.00	327	0.14
62	0.44	134	0.38	199	6.94	334	0.69
63	1.63	135	1.60	200	0.26	335	0.19
64	0.14	136	0.47	202	0.20	346	0.17
65	0.73	137	0.64	203	0.29	352	0.22
69	51.10	138	0.16	204	2.29	354	0.93
70	0.22	141	1.91	205	4.17	365	1.26
73	0.27	142	0.59	206	18.95	366	0.15
74	3.88	143	0.45	207	2.63	372	0.94
75	7.01	146	0.29	208	0.36	402	0.14
76	2.44	147	0.97	211	0.98	403	0.19
77	45.35	148	1.86	216	0.26	421	0.39
78	3.07	149	0.39	217	4.22	422	0.29
79	2.53	151	0.14	218	0.39	423	2.38
80	2.20	152	0.13	221	3.82	424	0.47
81	3.23	153	0.52	222	0.61	441	6.08
82	0.75	154	0.35	223	0.67	442	43.15
83	0.68	155	0.99	224	9.29	443	8.54
85	0.48	156	1.63	225	2.27	444	0.54
86	0.65	157	0.29	226	0.14		
87	0.35	158	0.32	227	3.46		
91	0.64	159	0.21	228	0.36		
92	0.67	160	0.45	229	0.55		
93	4.30	161	0.87	231	0.21		
94	0.23	162	0.17	233	0.15		
96	0.15	165	0.94	237	0.21		
98	3.29	166	0.48	242	0.31		
99	3.24	167	3.90	243	0.30		
100	0.17	168	1.76	244	7.46		
101	1.77	169	0.24	245	0.68		
103	0.45	172	0.22	246	0.96		
104	0.91	173	0.33	249	0.13		
105	0.97	174	0.63	253	37.48		
107	16.65	175	1.23	256	5.32		
108	2.09	176	0.32	257	0.26		
110	32.19	177	0.50	258	1.60		
111	4.35	179	2.53	259	0.19		
112	0.39	180	1.79	265	0.55		
116	0.60	181	0.60	273	0.97		
117	8.53	184	0.19	274	3.51		
118	0.54	185	1.20	275	19.48		

MASS SPECTRUM  
05/22/90 12:44:00 + 4:56  
SAMPLE: JUL OFTPP 32189(7098) ONK07  
ENHANCED (5 150 2M)

COMPUCHEN LABS

DATA: 0F900522097 N332

BASE M/E: 198  
R1C1 249600.



COMPUchem LABS

MASS LIST

DATA: DF900522807 # 332

BASE M/E: 198

03/22/90 12:44:00 + 4:56

RIC: 249600

SAMPLE: IUL DFTPP 32109(7050) DN#07

ENHANCED (S 15B 2N 0T)

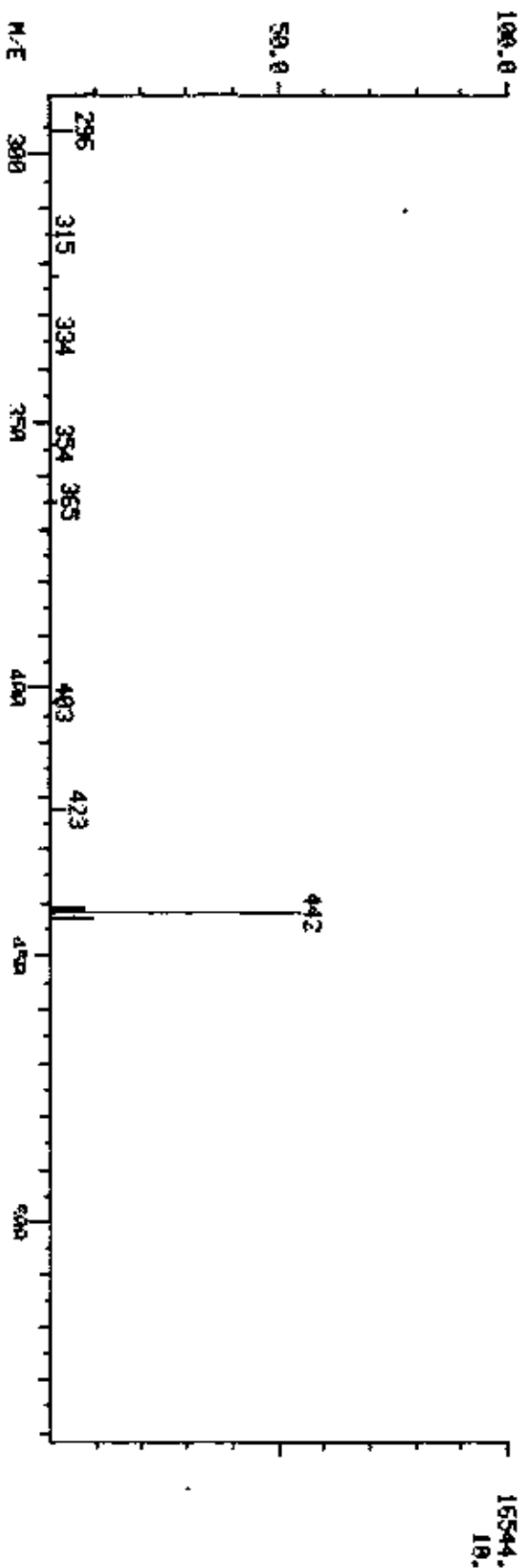
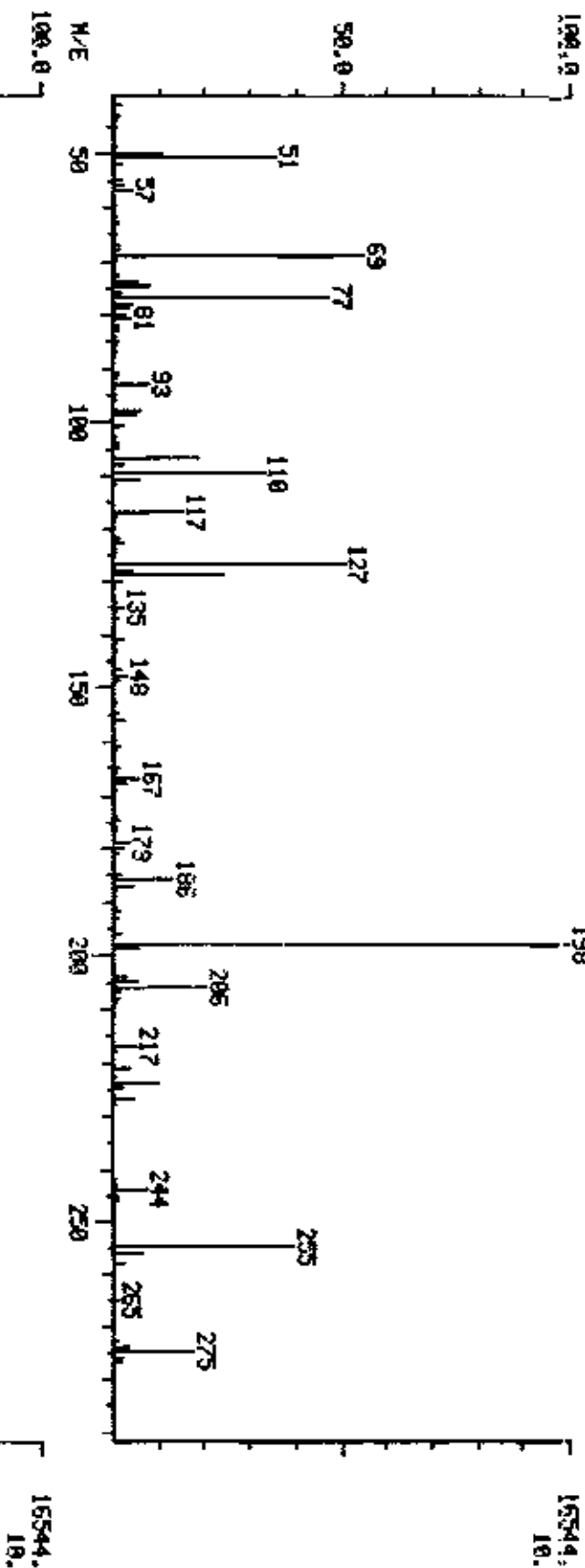
42 473 #	0.00 0	MINIMA MAXIMA	* MIN INTEN: % RA	27. MASS	MAX INTEN: % RA	31648. MASS	% RA
42	0.12	116	0.48	180	2.06	249	0.15
45	0.18	117	12.42	181	0.81	255	50.30
49	0.27	118	0.81	184	0.14	256	7.14
50	11.77	119	0.09	185	0.36	257	0.37
51	43.98 ✓	122	0.86	186	15.39	258	2.34
52	1.82	123	1.70	187	3.77	259	0.17
56	1.23	124	0.52	188	0.42	264	0.11
57	2.64	125	0.48	189	0.60	265	0.95
61	0.40	127	48.74 ✓	191	0.27	266	0.21
62	0.44	128	3.24	192	0.97	273	1.26
63	1.87	129	23.63	193	1.00	274	3.73
65	0.64	130	1.45	194	0.15	275	22.32 ✓
67	0.10	131	0.27	196	1.30	276	2.50
69	54.20 ✓	133	0.15	198	100.00 ✓	277	1.84
73	0.50	134	0.38	199	6.17 ✓	278	0.29
74	4.47	135	1.72	200	0.28	283	0.16
75	7.65	136	0.54	202	0.09	284	0.15
76	2.41	137	0.72	203	0.41	285	0.25
77	45.25	141	2.20	204	3.12	293	0.36
78	2.64	142	0.60	205	4.90	295	0.10
79	3.12	143	0.40	206	23.48	296	5.79
80	2.33	146	0.33	207	2.85	297	0.52
81	3.80	147	1.45	208	0.63	303	0.44
82	0.80	148	2.63	209	0.09	304	0.09
83	0.88	149	0.49	210	0.13	315	0.32
85	0.51	151	0.21	211	0.72	316	0.30
86	0.81	153	0.56	215	0.16	321	0.15
87	0.41	154	0.36	217	6.17	323	2.20
91	0.58	155	1.08	218	0.55	327	0.15
92	0.68	156	2.11	221	2.87	334	1.17
93	5.94	157	0.24	222	0.51	335	0.20
94	0.21	158	0.30	223	1.10	346	0.26
95	0.20	159	0.11	224	12.35	352	0.33
96	0.31	160	0.50	225	2.67	353	0.25
97	0.11	161	1.07	226	0.26	354	0.35
98	4.10	162	0.21	227	5.67	365	2.08 ✓
99	3.57	165	0.66	228	0.62	366	0.10
100	0.33	166	0.52	229	0.86	372	0.71
101	1.91	167	4.16	231	0.26	383	0.13
102	0.15	168	2.16	235	0.16	402	0.09
103	0.41	169	0.26	236	0.12	403	0.30
104	1.09	171	0.09	237	0.16	421	0.22
105	1.21	172	0.17	239	0.13	422	0.17
106	0.15	173	0.22	241	0.15	423	2.62
107	18.23	174	0.77	242	0.45	424	0.38
108	2.31	175	1.65	243	0.31	441	5.54 ✓
109	0.25	176	0.29	244	8.11	442	48.38 ✓
110	28.21	177	0.77	245	0.72	443	8.29
111	4.50	178	0.21	246	1.62	444	0.48
112	0.33	179	2.94	247	0.24		

MASS SPECTRUM  
04/08/90 12:50:00 + 5:11  
SAMPLE 1 (L 31676(7050) OCTPP  
ENHANCED (5 150 2M)

COMPUCHEM LABS

DATA: DF900408A22 0340

BASE M/E: 198  
R/C: 131328.



COMPUchem LABS

MASS LIST

DATA: DF9D0408A22 # 340

BASE M/E: 198

14/08/90 12:50:00 + 5:11

RIC: 131328

SAMPLE: 1 UL 31676(7050) DFTPP

ENHANCED (S 158 2N 0T)

41	0.00	MINIMA	MIN INTEN:	0.	MAX INTEN:	16544.
444 #	0	MAXIMA				
MASS	% RA	MASS	% RA	MASS	% RA	MASS % RA
41	1.44	108	2.11	179	3.16	275 17.72
43	1.08	110	33.27	180	2.03	276 2.18
44	0.51	111	5.91	181	0.89	277 1.51
45	0.50	112	0.35	185	1.75	278 0.12
49	0.59	115	0.27	186	13.27	281 0.30
50	10.70	116	0.27	187	3.79	296 5.36
51	35.44	117	15.35	188	0.36	297 0.46
52	1.58	118	0.69	189	0.65	303 0.19
53	0.10	119	0.22	191	0.57	315 0.32
55	1.47	120	0.28	192	1.15	323 1.41
56	2.07	122	0.91	193	1.19	324 0.17
57	4.21	123	2.09	194	0.10	334 0.76
60	0.65	124	0.54	196	1.71	335 0.10
61	0.10	125	0.70	197	0.05	352 0.16
62	0.40	127	51.06	198	100.00	354 0.31
63	1.17	128	3.60	199	5.64	365 1.77
65	0.58	129	24.37	203	0.27	372 0.31
67	1.06	130	1.95	204	2.70	402 0.10
68	0.97	131	0.20	205	5.16	403 0.30
69	54.84	132	0.19	206	20.09	421 0.19
70	0.73	134	0.69	207	1.86	422 0.24
73	1.40	135	2.02	208	0.88	423 3.14
74	4.85	136	0.59	209	0.39	424 0.14
75	7.94	137	1.21	211	0.71	441 7.13
76	1.95	138	0.15	212	0.11	442 54.74
77	47.58	141	2.39	216	0.17	443 9.51
78	3.97	142	0.73	217	5.29	444 0.76
79	3.43	143	0.43	218	0.74	
80	3.00	146	0.27	221	3.50	
81	4.20	147	1.92	222	0.25	
82	1.04	148	2.96	223	0.82	
83	1.31	149	0.99	224	10.41	
84	0.57	153	0.78	225	2.34	
85	1.20	154	0.12	227	4.74	
86	0.78	155	1.31	228	0.41	
87	0.78	156	2.00	229	0.12	
91	1.23	158	0.15	239	0.18	
92	0.79	160	0.31	242	0.37	
93	7.75	161	1.00	243	0.34	
94	0.34	162	0.33	244	7.48	
95	0.45	163	0.24	245	0.86	
96	0.83	165	1.08	246	1.32	
98	6.24	166	0.39	253	0.22	
99	5.30	167	5.41	255	39.70	
100	0.25	168	2.65	256	6.00	
101	2.12	169	0.42	257	0.15	
103	0.56	174	0.76	258	2.48	
104	0.57	175	1.21	265	0.99	
105	1.34	176	0.36	273	0.89	
107	18.86	177	0.44	274	3.66	

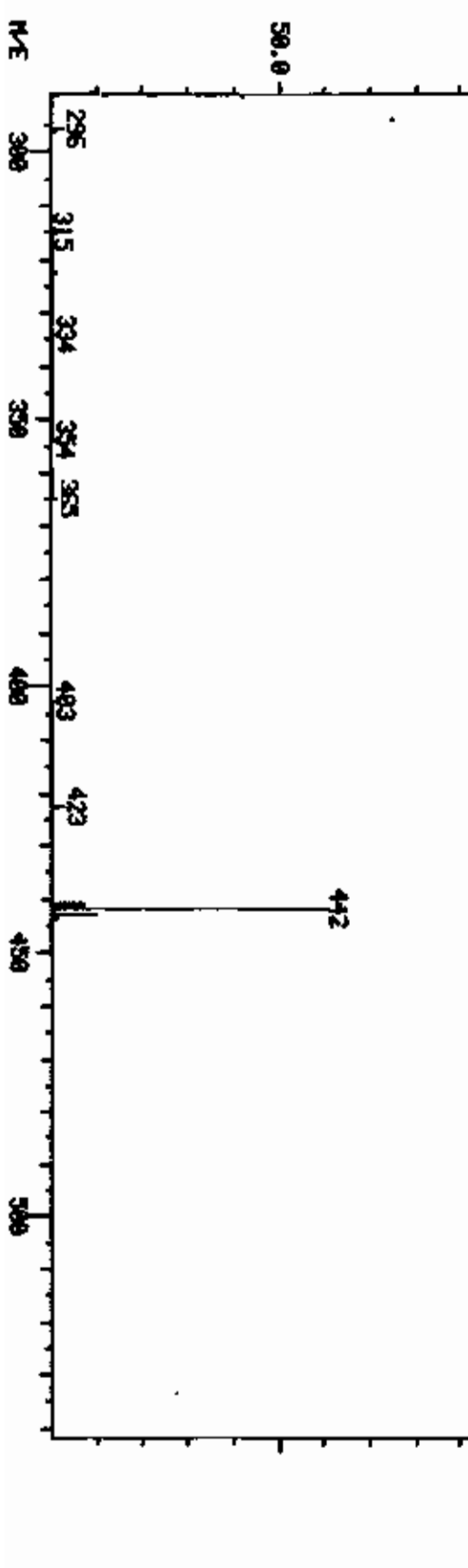
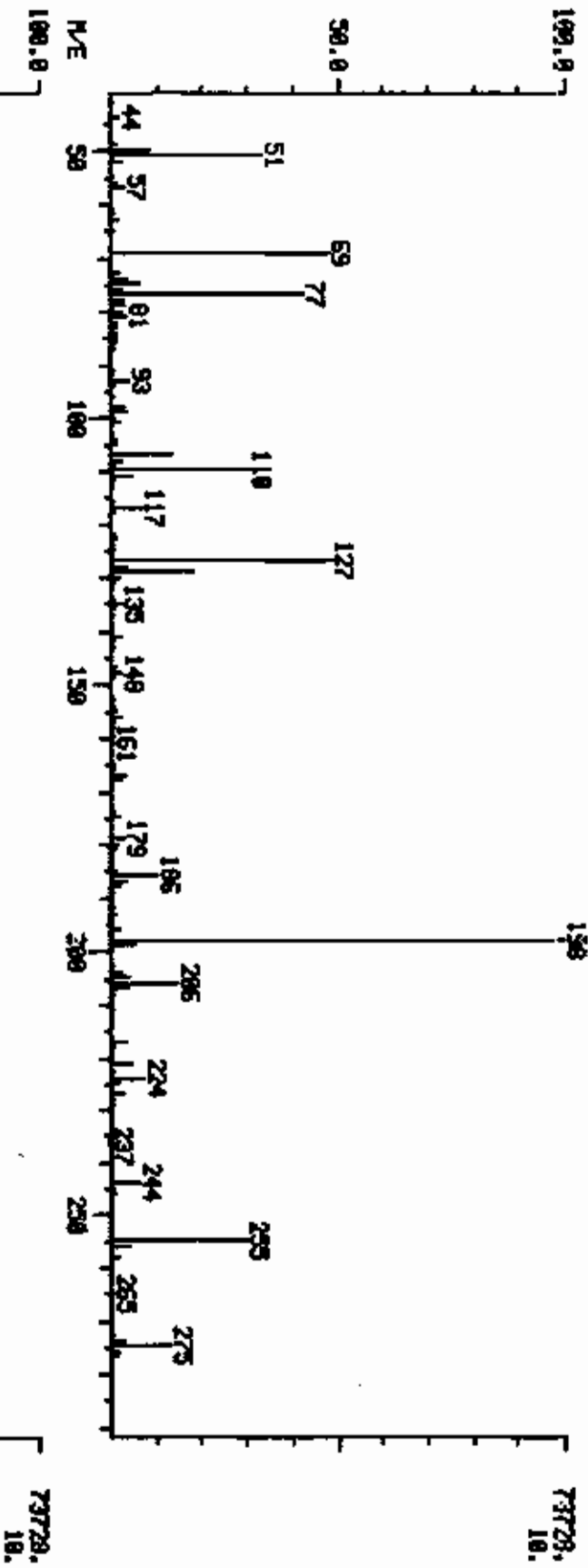


MASS SPECTRUM  
05/13/98 6:18:00 + 5:09  
SAMPLE: 1 U. DETPAPER03  
#337 TO #340 SUMMED

COMPOUND LABS

DATA1 DF980815C22 #338

BASE M/E: 198  
RIC: 587352.



## COMPUchem LABS

MASS LIST

DATA: DF900515C22 # 338

BASE M/E: 198

03/15/90 6:18:00 + 5:09

RIC: 507392

SAMPLE: 1 UL OFTPP#7050

#337 TO #340 SUMMED

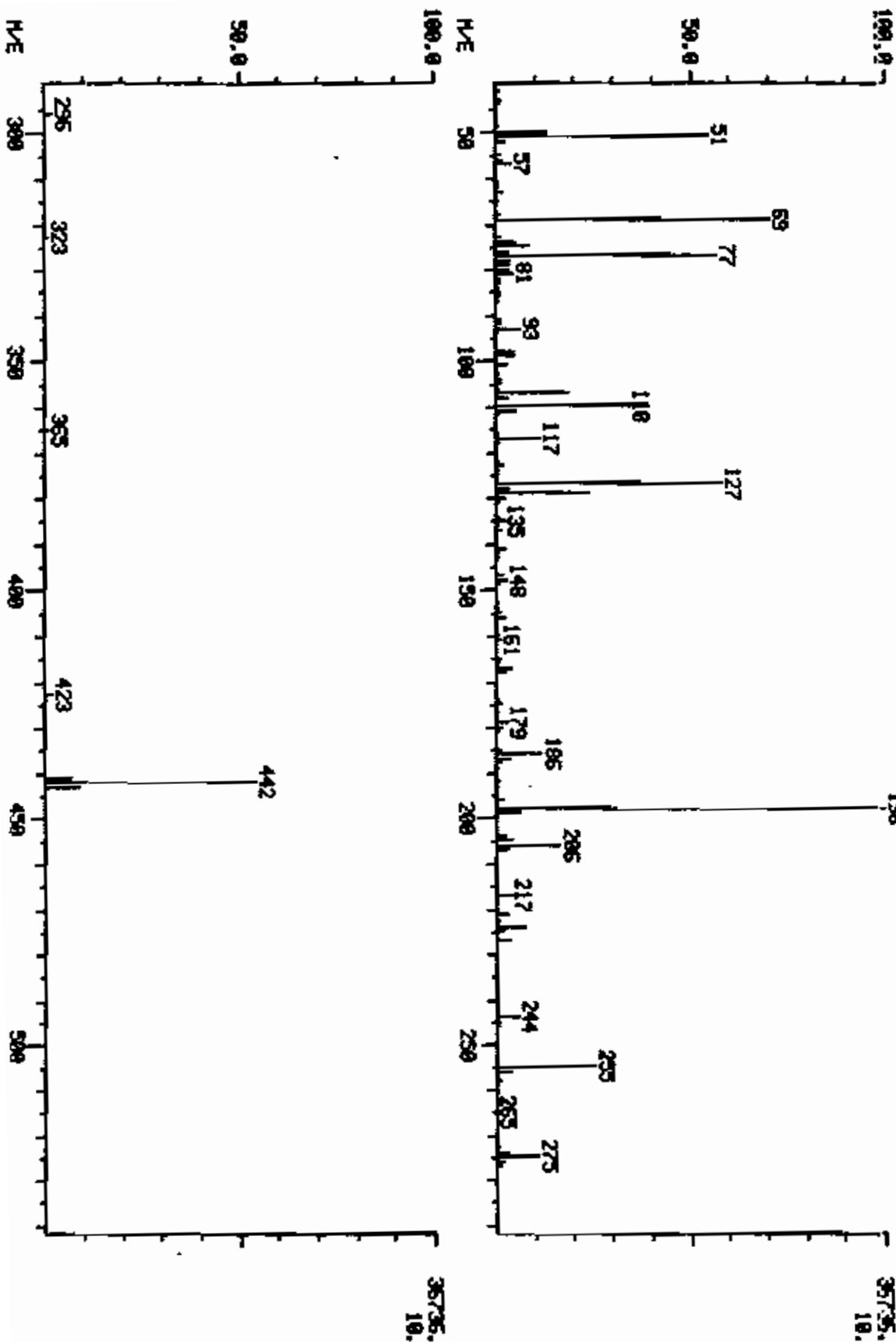
41 444 # MASS	0.00 0 % RA	MINIMA MAXIMA MASS	MIN INTEN: % RA	0. MASS	MAX INTEN: % RA	73728. MASS	% RA
41	0.54	111	4.29	177	0.62	273	0.75
43	0.23	112	0.29	178	0.15	274	2.95
44	1.43	116	0.57	179	2.57	275	12.78
45	0.10	117	6.72	180	1.74	276	1.50
49	0.98	118	0.71	181	0.90	277	1.04
50	8.41	122	0.75	184	0.14	278	0.21
51	33.59	123	1.36	185	1.32	281	0.22
52	2.04	124	0.45	186	10.03	293	0.16
55	0.41	125	0.52	187	3.42	296	2.92
56	1.27	126	0.10	188	1.64	297	0.33
57	2.80	127	48.52	189	0.39	303	0.24
61	0.55	128	3.60	191	0.25	314	0.10
62	0.50	129	17.84	192	0.75	315	0.22
63	1.57	130	1.56	193	0.95	323	1.25
65	0.78	131	0.30	194	0.14	327	0.10
69	48.09	132	0.14	196	1.88	334	0.72
73	1.63	133	0.12	198	100.00	352	0.10
74	3.29	134	0.42	199	5.87	353	0.10
75	6.08	135	2.27	200	0.20	354	0.48
76	2.50	136	0.47	202	0.24	365	1.33
77	42.36	137	0.73	203	0.42	372	0.62
78	2.94	141	2.02	204	2.18	402	0.10
79	2.64	142	0.79	205	3.85	403	0.31
80	2.25	143	0.37	206	14.71	421	0.17
81	3.14	146	0.23	207	4.20	423	2.80
82	0.96	147	1.25	208	0.89	424	0.61
83	1.14	148	2.11	209	0.12	441	6.72
84	0.93	149	0.41	211	0.63	442	60.50
85	0.90	151	0.21	216	0.19	443	10.28
86	0.98	152	0.17	217	3.67	444	0.97
87	0.56	153	0.66	218	0.39		
88	0.17	154	0.36	221	4.28		
91	0.79	155	1.05	223	0.74		
92	0.77	156	2.03	224	7.49		
93	4.00	157	0.34	225	1.83		
94	0.43	158	0.39	227	3.03		
95	0.24	159	0.20	228	0.30		
96	0.39	160	0.61	229	0.54		
98	2.87	161	0.74	231	0.14		
99	3.14	162	0.16	237	0.18		
100	0.36	165	0.68	242	0.21		
101	1.94	166	0.52	244	6.04		
103	0.52	167	3.52	245	0.51		
104	1.13	168	2.03	246	0.92		
105	1.04	169	0.25	255	30.08		
106	0.26	172	0.21	256	4.24		
107	13.69	173	0.20	257	0.22		
108	2.15	174	0.74	258	1.54		
109	0.44	178	1.53	259	0.14		

MASS SPECTRUM  
05/16/90 1:22:00 + 5:02  
SAMPLE: 1UL D-TTPP 31944 #7899  
#390 TO #391 SUMMED

COMPUCHER LABS

DATA: 04900516C22 #390

BASE M/E: 198  
RIC: 287232.



COMPUchem LABS

MASS LIST

DATA: DH900516C22 @ 330

BASE M/E: 198

05/16/90 1:22:00 + 5:02

RIC: 287232

SAMPLE: 1UL DFTPP 31944 #7050

#330 TO #331 SUMMED

41	0.00	MINIMA	HIN INTEN:	0.	MAX INTEN:	36736.
444 #	0	MAXIMA				
MASS	% RA	MASS	% RA	MASS	% RA	
41	1.34	108	2.73	185	1.19	
42	0.21	110	34.32	186	12.11	
43	0.95	111	5.30	187	3.61	
44	0.89	112	0.39	188	1.03	
47	0.17	116	0.82	189	0.34	
49	0.73	117	11.52	192	0.46	
50	12.83	118	0.49	193	0.79	
51	55.05	122	0.68	196	1.48	
52	2.45	123	1.57	198	100.00	
53	1.03	124	0.41	199	6.45	
56	1.70	125	0.56	204	2.22	
57	3.99	127	58.19	205	3.97	
61	0.65	128	3.47	206	16.16	
62	0.57	129	23.91	207	2.91	
63	1.85	130	2.24	208	0.28	
65	0.57	131	0.34	211	0.25	
66	0.15	133	0.26	217	3.89	
68	0.93	134	0.41	218	0.19	
69	70.56	135	2.16	221	2.77	
73	0.96	136	0.36	223	0.60	
74	5.02	137	0.89	224	7.55	
75	8.41	141	2.53	225	1.87	
76	3.12	142	0.65	227	3.46	
77	56.97	143	0.66	228	0.26	
78	3.59	146	0.27	244	5.54	
79	3.52	147	1.48	245	0.32	
80	3.21	148	2.69	246	0.74	
81	4.49	149	0.66	258	25.35	
82	0.93	151	0.24	256	3.58	
83	1.15	153	0.46	258	1.21	
84	0.52	154	0.46	265	0.17	
85	0.93	155	1.09	273	0.44	
86	1.21	156	1.98	274	2.60	
87	0.68	157	0.21	275	11.00	
91	0.96	160	0.56	276	1.60	
92	1.09	161	1.02	277	0.93	
93	6.37	162	0.17	296	2.54	
94	0.47	165	0.90	323	1.01	
95	0.14	166	0.44	365	1.12	
96	0.27	167	4.06	372	0.19	
97	0.14	168	2.54	423	2.24	
98	4.57	169	0.23	424	0.29	
99	4.36	172	0.20	441	6.59	
100	0.24	174	0.68	442	54.09	
101	2.73	175	1.34	443	9.27	
103	0.32	177	0.58	444	0.65	
104	1.40	179	2.96			
105	1.39	180	1.75			
106	0.41	181	0.79			
107	18.88	184	0.20			

- (2) Blank Data - in chronological order. NOTE: This order is different from that used for samples.
- (a) Tabulated results (Form I SV-1, SV-2)
  - (b) Tentatively Identified Compounds (Form I SV-1 - TIC) - even if none found.
  - (c) Reconstructed ion chromatogram (s) and quantitation report (s) or legible facsimile (GC/MS)
  - (d) TCL spectra with lab generated standard. Data systems which are incapable of dual display shall provide spectra in order:
    - Raw TCL compound spectra
    - Enhanced or background subtracted spectra
    - Laboratory generated TCL standard spectra
  - (e) GC/MS library search spectra for Tentatively Identified Compound (s) (TIC) concentrations
  - (f) Quantitation/Calculation of Tentatively Identified Compounds (s) (TIC) concentrations

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK76

Lab Name: COMPUCHEM LABS Contract: (2-881)-REVS

Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02

Matrix: (soil/water) WATER Lab Sample ID: SBLK76

Sample wt/vol: 1000 (g/mL) ML Lab File ID: G2J37915C06

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/10/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/11/90

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
62-75-9-----	N-Nitrosodimethylamine	10	U
110-86-1-----	Pyridine	10	U
97-63-2-----	Ethyl methacrylate	10	U
123-63-7-----	Paraldehyde	10	U
109-06-8-----	2-Picoline	20	U
10595-95-6-----	Nitrosomethylethylamine	10	U
66-27-3-----	Methyl methanesulfonate	10	U
108-95-2-----	Phenol	10	U
55-18-5-----	N-Nitrosodiethylamine	10	U
62-50-5-----	Ethyl methanesulfonate	10	U
62-53-3-----	Aniline	10	U
76-01-7-----	Pentachloroethane	10	U
111-44-4-----	bis(2-Chloroethyl) Ether	20	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
100-44-7-----	Benzyl chloride	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
100-51-6-----	Benzyl Alcohol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	10	U
108-39-4-----	3-Methylphenol	10	U
106-44-5-----	4-Methylphenol	10	U
930-55-2-----	N-Nitrosopyrrolidine	10	U
59-89-2-----	N-Nitrosomorpholine	10	U
98-86-2-----	Acetophenone	10	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	10	U
636-21-5-----	o-Toluidine hydrochloride	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
100-75-4-----	N-Nitrosopiperidine	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U

FORM I SV-1

1/87 Rev.

108-70-3-----	1,3,5-Trichlorobenzene	10	U
98-87-3-----	Benzal chloride	10	U
65-85-0-----	Benzoic Acid	100	U
111-91-1-----	bis(2-Chloroethoxy)Methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-65-0-----	2,6-Dichlorophenol	20	U
95-54-5-----	o-Phenylenediamine	10	U
122-09-8-----	dimethylphenylethylamine	10	U
1888-71-7-----	Hexachloropropene	10	U
87-68-3-----	Hexachlorobutadiene	10	U
87-61-6-----	1,2,3-Trichlorobenzene	10	U
98-07-7-----	Benzotrichloride	20	U
924-16-3-----	N-Nitroso-di-n-butylamine	10	U
59-50-7-----	4-Chloro-3-Methylphenol	10	U
106-50-3-----	p-Phenylenediamine	10	U
94-59-7-----	Safrole	10	U
106-50-3-----	m-Phenylenediamine	10	U
91-57-6-----	2-Methylnaphthalene	10	U
90-12-0-----	1-Methylnaphthalene	10	U
95-94-3-----	1,2,4,5-Tetrachlorobenzene	10	U
634-90-2-----	1,2,3,5-Tetrachlorobenzene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	20	U
95-95-4-----	2,4,5-Trichlorophenol	20	U
120-58-1-----	Isosafrole	20	U
91-58-7-----	2-Chloronaphthalene	10	U
90-13-1-----	1-Chloronaphthalene	10	U
634-66-2-----	1,2,3,4-Tetrachlorobenzene	10	U
88-74-4-----	2-Nitroaniline	10	U
130-15-4-----	1,4-Naphthoquinone	20	U
100-25-4-----	1,4-Dinitrobenzene	20	U
131-11-3-----	Dimethyl Phthalate	10	U
208-96-8-----	Acenaphthylene	10	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK76

Lab Name: COMPUCHEM LAHS Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02

Matrix: (soil/water) WATER Lab Sample ID: SBLK76

Sample wt/vol: 1000 (g/mL) ML Lab File ID: G2J37915C06

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/10/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/11/90

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2-----	3-Nitroaniline	20	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	40	U
100-02-7-----	4-Nitrophenol	10	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
608-93-5-----	Pentachlorobenzene	10	U
134-32-7-----	2-Naphthylamine	20	U
606-20-2-----	2,6-Dinitrotoluene	10	U
134-12-7-----	1-Naphthylamine	20	U
58-90-2-----	2,3,4,6-Tetrachlorophenol	20	U
84-66-2-----	Diethylphthalate	10	U
297-97-2-----	Zinophos	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-71-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	20	U
99-95-8-----	5-Nitro-o-toluidine	20	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	10	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
122-39-4-----	Diphenylamine	10	U
99-35-4-----	1,3,5-Trinitrobenzene	20	U
122-66-7-----	1,2-Diphenylhydrazine	10	U
62-44-2-----	Phenacetin	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
2301-16-4-----	Diallate	10	U
60-51-5-----	Dimethoate	10	U
118-74-1-----	Hexachlorobenzene	10	U
92-67-1-----	4-Aninobiphenyl	10	U
21950-58-5-----	Pronamide	10	U
87-86-5-----	Pentachlorophenol	20	U
82-68-8-----	Pentachloronitrobenzene	10	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-Butylphthalate	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-2

1/87 Rev.



91-80-5-----	Methapyrilene	20	U
50-18-0-----	Cyclophosphamide	50	U
206-44-0-----	Fluoranthene	10	U
92-87-5-----	Benzidine	10	U
129-00-0-----	Pyrene	10	U
140-57-8-----	Aramite	20	U
60-11-7-----	p-Dimethylaminoazobenzene	10	U
510-15-6-----	Chlorobenzilate	10	U
119-91-7-----	3,3'-Dimethylbenzidine	20	U
85-68-7-----	Butylbenzylphthalate	10	U
53-96-3-----	2-Acetylaminofluorene	10	U
101-14-4-----	Methylene-bis(2-chloroaniline	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
106-51-4-----	3,3'-Dimethoxybenzidine	10	U
56-55-3-----	Benzo(a) Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	10	U
117-84-0-----	Di-n-Octyl Phthalate	10	U
205-99-2-----	Benzo(b) Fluoranthene	10	U
57-97-6-----	7,12-Dimethylbenzanthracene	10	U
207-08-9-----	Benzo(k) Fluoranthene	10	U
50-32-8-----	Benzo(a) Pyrene	10	U
56-49-5-----	3-Methylcholanthrene	10	U
224-42-0-----	Dibenzo(a,j) acridine	10	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	10	U
53-70-3-----	Dibenz(a,h) Anthracene	10	U
191-24-2-----	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK76

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK76  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: G2JJ7915C06  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/10/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/11/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

COMPUCHEN LABS

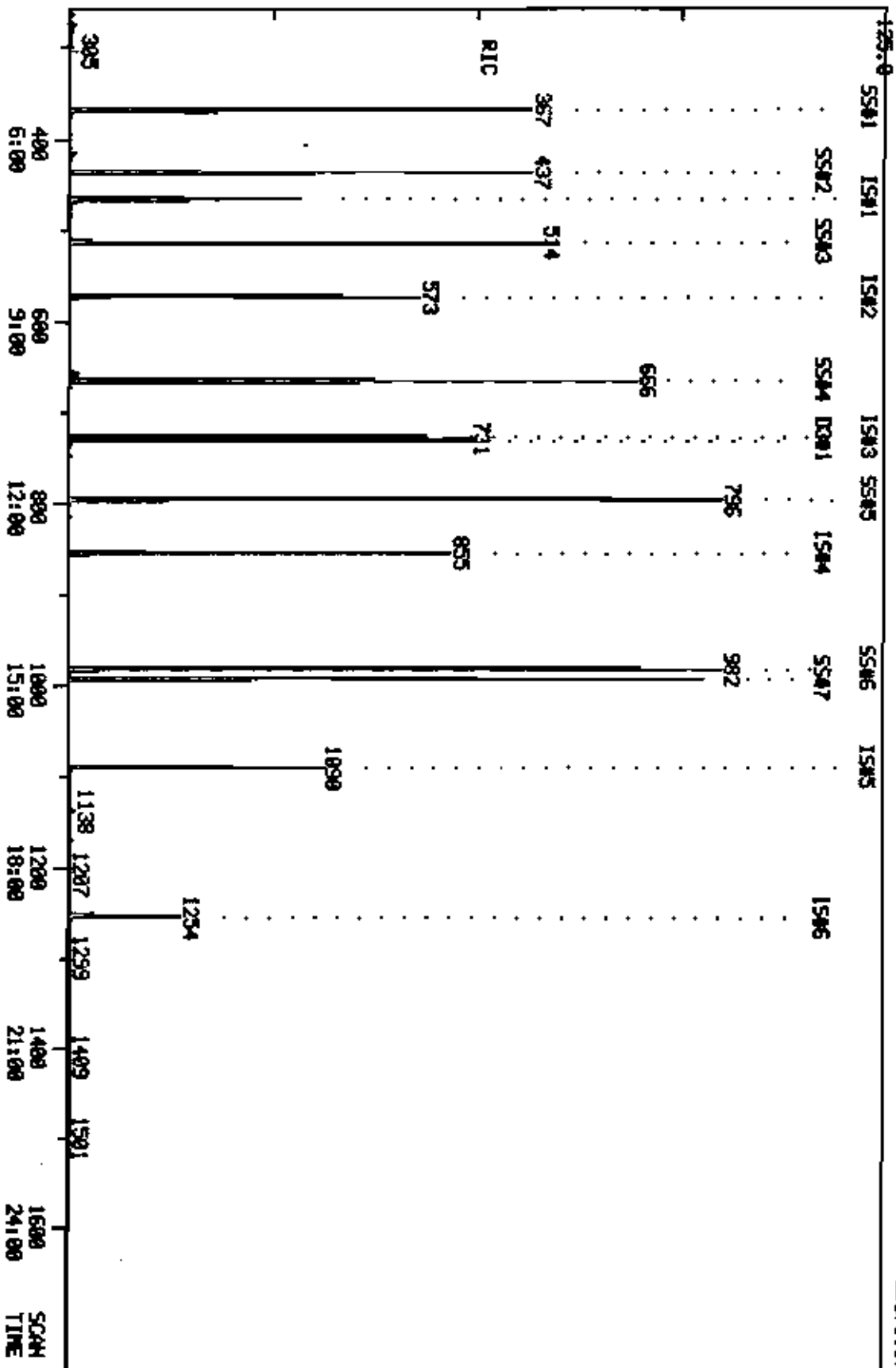
COMPUCHEN DATA: G2J3791SC086 SCANS 256 TO 1600

OUT OF 256 TO 1600

20279116

RIC  
05/11/90 1:51:00  
SAMPLE1 IUL OC003791S ID#58LK76  
COND.S.1 EXTRACTED 5/10/90 UNDILUTED

CSRU#01005 ON 6



QUANTITATION REPORT FILE: 02J37913C06

DATA: 02J37913C06.TI

05/11/90 1:51:00 ✓

SAMPLE: 1UL CC#337915 ID#SBLK76 ✓

CS#VARIOUS ✓

DN 6

CONDS.: EXTRACTED 5/10/90 UNDILUTED

SUBMITTED BY: 6 ANALYST: 917

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROSODIMETHYLAMINE (Q182) <62-73-9>
3	481 PYRIDINE (Z9#1)
4	509 ETHYLMAHACRYLATE (Z9#2)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10993-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (Q1#3) <108-95-2>
12	473 ANILINE (Q1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (Q185) <111-44-4>
15	601 2-CHLOROPHENOL (B1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (Q187) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (Q1#8) <106-46-7>
19	474 BENZYL ALCOHOL (Q1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (Q1810) <95-50-1>
21	620 2-METHYLPHENOL (Q1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (Q1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (Q1#13) <106-44-5>
25	528 N-NITROSPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROBOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (Q1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (Q1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I8#2)
32	440 NITROBENZENE (Q1#16) <98-95-3>
33	502 N-NITROSODIPIPERIDINE (Z9#14)
34	438 ISOPHORONE (Q2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (Q2#4) <105-67-9>
36	606 2-NITROPHENOL (Q2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (Q2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (Q2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (Q2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (Q2#8) <120-82-1>
43	439 NAPHTHALENE (Q2#9) <91-20-3>
44	475 4-CHLORANILINE (Q2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9817) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9821) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2811) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9815) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9823) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9824) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2812) <99-50-7>
54	526 P-PHENYLENEDIAMINE (Z9820) <108-45-2>
55	503 BAFROLE (Z9827)
56	525 M-PHENYLENEDIAMINE (Z9826) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2813) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2828) <90-12-0>
59	*495 D10-ACENAPHTHENE (I883)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9831) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9829) <634-90-3>
62	435 HEXACHLOROCYCLOPENTADIENE (Q382) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q383) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q384) <95-95-4>
65	527 ISOSAFROLE (Z9830) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q385) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F482)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9828) <634-66-2>
69	478 2-NITROANILINE (Q386) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9832)
71	491 1,4-DINITROBENZENE (F382) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q387) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3815) <606-20-2>
74	402 ACENAPHTHYLENE (Q388) <208-96-8>
75	479 3-NITROANILINE (Q389) <99-09-2>
76	401 ACENAPHTHENE (Q3810) <83-32-9>
77	8605 2,4-DINITROPHENOL (Q3811) <51-28-4>
78	607 4-NITROPHENOL (Q3812) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3814) <121-14-2>
80	476 DIBENZOPURAN (Q3813) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9833)
82	484 2-NAPHTHYLAMINE (Z9835)
83	483 1-NAPHTHYLAMINE (Z9836)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9837)
85	424 DIETHYL PHTHALATE (Q3816) <84-66-2>
86	519 ZINOPHOS (Z9838)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3817) <7005-72-3>
88	432 FLUORENE (Q3818) <86-73-7>
89	480 4-NITROANILINE (Q3819) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9834)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9839)
92	*467 D10-PHENANTHRENE (I884)
93	*459 D12-CHRYSENE (I885)
94	*497 D12-PERYLENE
95	8619 2-FLUOROPHENOL (8881)
96	8612 D5-PHENOL (8882)
97	8447 D5-NITROBENZENE (8883)
98	8448 2-FLUOROBIPHENYL (8884)
99	8628 2,4,6-TRIBROMOPHENOL (8885)
100	8471 D10-PYRENE
101	8496 D14-TERPHENYL (8886)

NO	N/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTDT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	152	465	6:59	1	1.000	A BB	165166.	40.000 NG	3.73
2	42	NOT FOUND							
3	79	NOT FOUND							
4	69	305	4:35	1	0.656	A BV	6756.	1.416 NG	0.13 <b>Ab</b>
5	89	NOT FOUND							
6	93	NOT FOUND							
7	88	NOT FOUND							
8	80	NOT FOUND							
9	102	NOT FOUND							
10	109	NOT FOUND							
11	94	NOT FOUND							
12	93	NOT FOUND							
13	167	NOT FOUND							
14	93	NOT FOUND							
15	128	NOT FOUND							
16	146	NOT FOUND							
17	91	NOT FOUND							
18	146	NOT FOUND							
19	108	NOT FOUND							
20	146	NOT FOUND							
21	108	NOT FOUND							
22	45	NOT FOUND							
23	108	NOT FOUND							
24	108	NOT FOUND							
25	100	NOT FOUND							
26	116	NOT FOUND							
27	105	NOT FOUND							
28	70	NOT FOUND							
29	106	NOT FOUND							
30	117	NOT FOUND							
31	136	573	8:36	31	1.000	A BB	542876.	40.000 NG	3.73
32	77	NOT FOUND							
33	114	NOT FOUND							
34	82	NOT FOUND							
35	107	NOT FOUND							
36	139	NOT FOUND							
37	180	NOT FOUND							
38	125	NOT FOUND							
39	122	NOT FOUND							
40	93	NOT FOUND							
41	162	NOT FOUND							
42	180	NOT FOUND							
43	128	NOT FOUND							
44	127	NOT FOUND							
45	162	NOT FOUND							
46	108	573	8:36	31	1.000	A BB	80156.	47.641 NG	4.44 <b>NO</b>
47	91	NOT FOUND							
48	213	NOT FOUND							
49	225	NOT FOUND							
50	180	NOT FOUND							
51	159	NOT FOUND							
52	84	NOT FOUND							
53	107	NOT FOUND							
54	108	NOT FOUND							
55	162	NOT FOUND							
56	108	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
57	142	NOT FOUND							
58	142	NOT FOUND							
59	164	727	10:34	59	1.000	A BB	333680.	40.000 NG	3.73
60	216	NOT FOUND							
61	216	NOT FOUND							
62	237	NOT FOUND							
63	196	NOT FOUND							
64	196	NOT FOUND							
65	162	NOT FOUND							
66	162	NOT FOUND							
67	162	NOT FOUND							
68	216	NOT FOUND							
69	65	NOT FOUND							
70	158	NOT FOUND							
71	168	NOT FOUND							
72	163	NOT FOUND							
73	163	NOT FOUND							
74	152	NOT FOUND							
75	138	NOT FOUND							
76	193	NOT FOUND							
77	184	NOT FOUND							
78	109	732	10:59	59	1.007	A*BB	9056.	3.970 NG	0.37 <i>NO</i>
79	165	NOT FOUND							
80	168	NOT FOUND							
81	250	NOT FOUND							
82	143	NOT FOUND							
83	143	NOT FOUND							
84	232	NOT FOUND							
85	149	NOT FOUND							
86	97	NOT FOUND							
87	204	NOT FOUND							
88	166	NOT FOUND							
89	138	NOT FOUND							
90	152	NOT FOUND							
91	77	NOT FOUND							
92	188	855	12:50	92	1.000	A BB	486892.	40.000 NG	3.73
93	240	1090	16:21	93	1.000	A BB	340892.	40.000 NG	3.73
94	264	1253	18:48	94	1.000	A BV	274012.	40.000 NG	3.73
95	112	367	3:30	1	0.789	A BB	558716.	111.190 NG	10.37
96	99	437	6:33	1	0.940	A BB	552820.	91.598 NG	8.55
97	82	514	7:43	31	0.897	A BB	564404.	80.321 NG	7.49
98	172	665	9:59	59	0.915	A BB	894420.	83.457 NG	7.79
99	330	796	11:57	59	1.095	A BB	347104.	191.230 NG	17.84
100	212	982	14:44	93	0.901	A BV	1110490.	115.404 NG	10.77
101	244	992	14:53	93	0.910	A BB	922169.	105.658 NG	9.86

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	6:38	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:38		10.000			50.00		0.953	
3	3:56		10.000			50.00		0.993	
4	4:26	1.03	10.000	0.07	1.42	50.00	0.033	1.155	0.03
5	4:26		10.000			50.00		0.238	
6	4:48		20.000			50.00		1.241	
7	3:00		10.000			50.00		1.181	
8	3:22		10.000			50.00		0.985	
9	3:47		10.000			50.00		0.663	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:08		10.000			50.00		0.741	
11	6:32		10.000			50.00		1.612	
12	6:37		10.000			50.00		1.827	
13	6:37		10.000			50.00		0.597	
14	6:41		20.000			50.00		1.741	
15	6:44		10.000			50.00		1.465	
16	6:55		10.000			50.00		1.590	
17	6:59		10.000			50.00		2.679	
18	6:59		10.000			50.00		1.589	
19	7:08		10.000			50.00		0.937	
20	7:13		10.000			50.00		1.601	
21	7:16		10.000			50.00		1.262	
22	7:19		10.000			50.00		3.208	
23	7:26		10.000			100.00		1.105	
24	7:26		10.000			100.00		1.105	
25	7:31		10.000			50.00		0.723	
26	7:32		10.000			50.00		0.402	
27	7:29		10.000			50.00		2.046	
28	7:30		10.000			50.00		1.274	
29	7:33		10.000			50.00		1.637	
30	7:35		10.000			50.00		0.987	
31	8:34	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:43		10.000			50.00		0.566	
33	7:54		10.000			50.00		0.209	
34	7:59		10.000			50.00		1.033	
35	8:06		10.000			50.00		0.348	
36	8:07		10.000			50.00		0.209	
37	8:06		10.000			50.00		0.374	
38	8:09		10.000			50.00		0.754	
39	8:11		100.000			50.00		0.164	
40	8:14		10.000			50.00		0.569	
41	8:23		10.000			50.00		0.359	
42	8:30		10.000			50.00		0.440	
43	8:36		10.000			50.00		1.139	
44	8:41		10.000			50.00		0.439	
45	8:41		20.000			50.00		0.368	
46	8:35	1.00	10.000	0.10	47.64	50.00	0.118	0.124	0.95
47	8:30		10.000			50.00		0.020	
48	8:44		10.000			50.00		0.320	
49	8:47		10.000			50.00		0.291	
50	8:49		10.000			50.00		0.416	
51	8:54		20.000			50.00		0.564	
52	9:09		10.000			50.00		0.226	
53	9:15		10.000			50.00		0.443	
54	9:19		10.000			50.00		0.038	
55	9:21		10.000			50.00		0.312	
56	9:21		10.000			50.00		0.002	
57	9:29		10.000			50.00		0.937	
58	9:38		10.000			50.00		0.558	
59	10:53	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	9:44		10.000			100.00		0.616	
61	9:44		10.000			100.00		0.616	
62	9:45		10.000			50.00		0.363	
63	9:52		20.000			50.00		0.432	
64	9:55		20.000			50.00		0.437	
65	10:01		20.000			50.00		0.490	



NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:08		10.000			50.00		1.231	
67	10:10		10.000			50.00		1.019	
68	10:08		10.000			50.00		0.618	
69	10:18		10.000			50.00		0.578	
70	10:22		20.000			50.00		0.460	
71	10:27		20.000			50.00		0.275	
72	10:32		10.000			50.00		1.469	
73	10:39		10.000			50.00		0.355	
74	10:41		10.000			50.00		1.792	
75	10:50		20.000			50.00		0.355	
76	10:55		10.000			50.00		1.149	
77	10:58		40.000			50.00		0.171	
78	11:00	1.00	10.000	0.10	3.97	50.00	0.022	0.273	0.08
79	11:10		10.000			50.00		0.473	
80	11:07		10.000			50.00		1.658	
81	11:08		10.000			50.00		0.632	
82	11:14		20.000			50.00		0.624	
83	11:20		20.000			50.00		0.579	
84	11:19		20.000			50.00		0.334	
85	11:25		10.000			50.00		1.674	
86	11:33		10.000			50.00		0.458	
87	11:31		10.000			50.00		0.621	
88	11:34		10.000			50.00		1.353	
89	11:38		20.000			50.00		0.331	
90	11:38		20.000			50.00		0.409	
91	11:45		10.000			50.00		2.557	
92	12:48	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	18:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:29	1.01	0.742	1.06	111.19	50.00	2.706	1.217	2.22
96	6:32	1.00	0.948	0.99	91.60	50.00	2.678	1.462	1.83
97	7:42	1.00	0.873	1.03	80.32	50.00	0.832	0.918	1.61
98	9:58	1.00	0.906	1.01	83.46	50.00	2.144	1.285	1.67
99	11:54	1.00	1.118	0.98	191.23	50.00	0.832	0.218	3.82
100	14:42	1.00	10.000	0.09	115.40	50.00	2.606	1.129	2.31
101	14:52	1.00	0.907	1.00	105.66	50.00	2.164	1.024	2.11

QUANTITATION REPORT FILE: 92J37915C06

DATA: 92J37915C06.TI

05/11/90 1:51:00

SAMPLE: 1UL CC#J37915 ID#88LK76

CS#VARIOUS

DN 6

CONDS.: EXTRACTED 9/10/90 UNDILUTED

SUBMITTED BY: 6

ANALYST:

917

AMOUNT=AREA \* REF. AMNT/(REF. AREA)\* RESP. FACT)

RESP. FAC. FROM LIBRARY ENTRY

NO NAME

- 1 \*467 D10-PHENANTHRENE (I904)
- 2 604 4,6-DINITRO-2-METHYLPHENOL (G402) <334-52-1>
- 3 443 N-NITROBODIPHENYLAMINE (G403) <86-30-6>
- 4 567 DIPHENYLAMINE (F303)
- 5 508 1,3,5-TRINITROBENZENE (I9041)
- 6 539 PHENACETIN (I9042) <63-44-2>
- 7 414 4-BROMOPHENYL PHENYL ETHER (G404) <101-55-3>
- 8 577 DIALLATE (TRANS ISOMER)
- 9 541 DIMETHOATE (I9044)
- 10 433 HEXACHLOROBENZENE (G405) <118-74-1>
- 11 485 4-AMINOBIPHENYL (I9045)
- 12 522 PRONAMIDE (I9046)
- 13 609 PENTACHLOROPHENOL (G406) <87-86-5>
- 14 453 PENTACHLORONITROBENZENE (I9047)
- 15 444 PHENANTHRENE (G407) <85-01-8>
- 16 403 ANTHRACENE (G408) <120-12-7>
- 17 426 DI-N-BUTYL PHTHALATE (G409) <84-74-2>
- 18 516 METHAPYRILENE (I9048)
- 19 549 CYCLOPHOSPHAMIDE (I9049)
- 20 431 FLUORANTHENE (G410) <206-44-0>
- 21 \*459 D12-CHRYSENE (I905)
- 22 404 BENZIDINE (G502) <92-87-5>
- 23 445 PYRENE (G503) <129-00-0>
- 24 530 ARAMITE (I9050) <140-57-4>
- 25 487 P-OIMETHYLAMINDAZOBENZENE (I9051)
- 26 523 CHLOROBENZILATE (I9052)
- 27 545 3,3'-DIMETHYLBENZIDINE (I9053)
- 28 415 BUTYLBENZYL PHTHALATE (G504) <85-68-7>
- 29 488 2-ACETYLAMINO FLUDRENE (F502)
- 30 489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (I9054)
- 31 423 3,3'-DICHLOROBENZIDINE (G505) <91-94-1>
- 32 533 DIMETHOXYBENZIDINE (I9057)
- 33 413 BIS(2-ETHYLHEYL) PHTHALATE (G507) <117-81-7>
- 34 405 BENZO(A)ANTHRACENE (G506) <56-55-3>
- 35 418 CHRYSENE (G508) <218-01-9>
- 36 \*497 D12-PERYLENE
- 37 429 DI-N-OCTYL PHTHALATE (G602) <117-84-0>
- 38 407 BENZO(B)FLUDRANTHENE (G603) <205-99-2>
- 39 517 7,12-DIMETHYLBENZANTHRACENE (I9055)
- 40 409 BENZO(K)FLUDRANTHENE (G604) <207-08-9>
- 41 406 BENZO(A)PYRENE (G605) <50-32-8>
- 42 565 3-METHYLCHLORANTHRENE (F602)
- 43 566 DIBENZO(A, J)ACRIDINE
- 44 437 INDENO(1,2,3-C, D)PYRENE (G606) <193-39-5>
- 45 419 DIBENZO(A, H)ANTHRACENE (G607) <53-70-3>
- 46 408 BENZO(G, H, I)PERYLENE (G608) <191-24-2>

NO NAME  
 47 976 DIALLATE (CIB ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	%TOT
1	188	855	12:50	1	1.000	A BB	486892.	40.000 NG	32.90
2	198	NOT FOUND							
3	169	NOT FOUND							
4	169	NOT FOUND							
5	213	NOT FOUND							
6	108	NOT FOUND							
7	248	NOT FOUND							
8	234	NOT FOUND							
9	125	NOT FOUND							
10	284	NOT FOUND							
11	169	NOT FOUND							
12	173	NOT FOUND							
13	266	NOT FOUND							
14	237	NOT FOUND							
15	178	NOT FOUND							
16	178	NOT FOUND							
17	149	NOT FOUND							
18	97	NOT FOUND							
19	211	NOT FOUND							
20	202	NOT FOUND							
21	240	1090	16:21	21	1.000	A BB	340892.	40.000 NG	32.90
22	184	NOT FOUND							
23	202	NOT FOUND							
24	189	992	14:53	21	0.910	A BB	2464.	1.577 NG	1.30 <i>AO</i>
25	225	NOT FOUND							
26	139	NOT FOUND							
27	212	NOT FOUND							
28	149	NOT FOUND							
29	181	NOT FOUND							
30	231	NOT FOUND							
31	252	NOT FOUND							
32	244	NOT FOUND							
33	149	NOT FOUND							
34	228	NOT FOUND							
35	228	NOT FOUND							
36	264	1253	18:48	36	1.000	A BV	274012.	40.000 NG	32.90
37	149	NOT FOUND							
38	252	NOT FOUND							
39	256	NOT FOUND							
40	252	NOT FOUND							
41	252	NOT FOUND							
42	268	NOT FOUND							
43	279	NOT FOUND							
44	276	NOT FOUND							
45	278	NOT FOUND							
46	276	NOT FOUND							
47	234	NOT FOUND							

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	12:48	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	11:40		30.000			50.00		0.160	
3	11:42		10.000			100.00		0.649	
4	11:42		10.000			100.00		0.649	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:06		20.000			50.00		0.113	
6	12:06		10.000			50.00		0.514	
7	12:09		10.000			50.00		0.252	
8	12:05		10.000			25.00		0.161	
9	12:23		10.000			50.00		0.165	
10	12:23		10.000			50.00		0.353	
11	12:32		10.000			50.00		0.608	
12	12:34		10.000			50.00		0.458	
13	12:36		20.000			50.00		0.203	
14	12:42		10.000			50.00		0.133	
15	12:50		10.000			50.00		1.182	
16	12:53		10.000			50.00		1.149	
17	13:00		10.000			50.00		1.761	
18	13:56		20.000			50.00		0.369	
19	14:15		50.000			200.00		0.029	
20	14:25		10.000			50.00		1.160	
21	16:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	14:33		10.000			50.00		0.076	
23	14:44		10.000			50.00		1.332	
24	14:54	1.00	20.000	0.05	1.58	50.00	0.006	0.183	0.03
25	15:05		10.000			50.00		0.243	
26	15:06		10.000			50.00		0.792	
27	15:32		20.000			50.00		0.446	
28	15:31		10.000			50.00		0.903	
29	15:54		10.000			50.00		0.460	
30	16:15		10.000			50.00		0.201	
31	16:17		10.000			50.00		0.305	
32	16:13		10.000			50.00		0.170	
33	16:15		10.000			50.00		1.252	
34	16:20		10.000			50.00		1.151	
35	16:24		10.000			50.00		1.044	
36	18:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:07		10.000			50.00		2.730	
38	18:03		10.000			100.00		0.967	
39	18:04		10.000			50.00		0.589	
40	18:03		10.000			100.00		0.967	
41	18:42		10.000			50.00		1.091	
42	19:30		10.000			50.00		0.656	
43	21:00		10.000			50.00		0.961	
44	21:38		10.000			50.00		1.384	
45	21:38		10.000			50.00		1.189	
46	22:29		10.000			50.00		1.086	
47	12:12		10.000			25.00		0.221	

LAB INSTRUCTIONS:

CASE: VARIOUS

DUE DATE MAY 15 1990

REPORT MADE 8+6  
MAY 15 1990

GC/MS WORKSHEET

COMPUchem: 337415 J<sup>2</sup>

J1 ) R1 ) O1 ) S1 ) : (1)

J2 ) R2 ) O2 ) S2 ) : (1)

TCL SEMI-VOA; 3rd Ed 9W-846, METHOD 8270  
S-V EXTRACTION, EPA/METHOD 3510  
LOW LEVEL LIQUID

Sample Prep Code---079  
Instrument Code---286  
Compound List-----461  
Surrogate Std-----393  
Internal Std-----035

SAS:

EPAS: 5 BLK 76

GC/MS ANALYSIS

Volumes mixed: BN 2.00 ul Acid 1.00 ul  
Internal Standard Volume Added 5.00 ul  
Mixed Sample Volume Injected 1.00 ul  
Date of Sample Bottle Analyzed 5/9/90  
DFTPP Filename DE 900510806 Disk ( )  
Standard Filename HC 900510806 Disk ( )  
Sample Filename 62J 37415C06 Disk ( )

ANALYST(S): Injection 917 gfg Work-up 917

GC/MS REVIEW

CONDITION  
CODE

JA

Entry Codes OK, EA, JA, ES, AL, AH, PL, PH, FL, JE  
FH, NL, NH, YL, SL, SH, SM, YH

Non-Entry Codes IM, IL, IH, SU, CT, CS, PC, QT, MS  
ED, IF, LA, DI, CO, RN, DW, DA

Complete 5-11-90  
Extraneous Peak Search Results:

# of Peaks Found: 0

# of Hits: 0

# of Surrogate Outliers: 0

Quality Assurance Notice(s):

# Notices Required 1

- Disposition:  Complete
- Reinjection required
- Reextraction required
- Dilute ( :1)
- Reinject Heat
- Send to QA

GC/MS Review gfg Date 5/14/90 Auditor gfg Date 5/14/90

REPORT INTEGRATION

Final Reportable Package(s): 62J 37415C06 / Total # of Injections: 1

QA COMMENTS:

FINAL REVIEW:

Initials \_\_\_\_\_ Date \_\_\_/\_\_\_/\_\_\_

Initials \_\_\_\_\_ Date \_\_\_/\_\_\_/\_\_\_

ACT97 (05/88)

**EXTRACTION WORKSHEET**  
 Semi-volatiles/Microconstituents  
 CompuChem Laboratories Inc

ASSIGNED TO: A.B.D.

Aurebela Downing

DATE ASSIGNED 5/10/90

EMP ID NUMBER 1733

QUEUE 127

SAMPLE NUMBER	PREP CODE	CASE #	CLIENT #	QC SAMPLE		BOTTLE #	SAMPLE VOLUME(ml)	FINAL EXTRACT VOLS (ml)			ADJUSTED PR	COMMENTS
				TYPE	ORIG NO.			SV	BN	ACID		
1	3373W-079	20124		SS	337383	203	500ml	1.0ml	1.0ml	13	1	50% 270ml 500ml sample volume for SS only
2	3373B7			SS	337383	203	500ml	1.0ml	1.0ml	13	1	ADD 0.5ml ext. ADD 0.5ml spk.
3	3373V8			TS			1000ml	1.0ml		13	1	Comp. to 0.5ml final volume
4	3373K1						1000ml	1.0ml		13	1	ADD 1.0 ml validation spk for SS only
5	3373R2						1000ml	1.0ml		13	1	USE 3373R1, 3373R5 for QC
6	3373R3						1000ml	1.0ml		13	1	
7	3373R5						1000ml	1.0ml		13	1	
8	337311	20071	GH15				1000ml	1.0ml		13	1	
9	337312		EP6D REC-D 20015				1000ml	1.0ml		13	1	
10	335591R	20015	20015				1000ml	1.0ml		13	1	
11												
12												
13	337915		SBK 74	B1			1000ml	1.0ml		13	1	

SURROGAT	NO.	AMT.	LOT	S-VOL	ACID	BN	OTHER	OTHER	Valid
	393	1.0ml							
	3912	1.0ml							
SPK12	NO.	AMT.	LOT						
	3012	1.0ml							32028
	3080	1.0ml							31338

MANUAL COUNTER 5101 886  
 FINAL VOLUME VERIFIED  
 SUPERVISOR REVIEWED  
 EXTRACTS RECEIVED BY  
 SURROGATE & SPIKE ADDED CORRECTLY

Aurebela Downing  
 5/10  
C. Downing 5/10

ISSUED BY: \_\_\_\_\_

1733

AP 5/10/90  
 DATE

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT LIMIT (UG/L)
467	188 I	D10-PHENANTHRENE (I8#4)	855	487000	40.0		
604	198	4,6-DINITRO-2-METHYLPHENOL				BDL	
443	167	N-NITROSODIPHENYLAMINE (G4#)				BDL	
567	167	DIPHENYLAMINE (F3#3)				BDL	
508	213	1,3,5-TRINITROBENZENE (Z9#4)				BDL	
537	108	PHENACETIN (Z9#42)				BDL	
414	248	4-BROMOPHENYL PHENYL ETHER				BDL	
577	234	DIALATE (TRANS ISOMER)				BDL	
541	123	DIRETHOATE (Z9#44)				BDL	
433	284	HEXACHLOROBENZENE (G4#5)				BDL	
485	169	4-AMINOBIIPHENYL (Z9#43)				BDL	
522	173	PRONAMIDE (Z9#46)				BDL	
609	266	PENTACHLOROPHENOL (G4#6)				BDL	
453	236	PENTACHLORONITROBENZENE (Z9				BDL	
444	178	PHENANTHRENE (G4#7)				BDL	
403	178	ANTHRACENE (G4#8)				BDL	
426	147	DI-N-BUTYL PHTHALATE (G4#9)				BDL	
516	97	METHAPYRILENE (Z9#48)				BDL	
549	211	CYCLOPHOSPHAMIDE (Z9#49)				BDL	
431	202	FLUORANTHENE (G4#10)				BDL	
497	240 I	D12-CHRYSENE (I8#5)	1090	341000	40.0		
404	184	BENZIDINE (G5#2)				BDL	
449	202	PYRENE (G5#3)				BDL	
530	185	ARAHITE (Z9#50)			1.5	25 BDL	
487	225	P-DIMETHYLAMINDAZOBENZENE (				BDL	
523	137	CHLOROBENZILATE (Z9#52)				BDL	
545	212	3,3'-DIMETHYLBENZIDINE (Z9#				BDL	
419	147	BUTYLBENZYL PHTHALATE (G5#4				BDL	
488	181	2-ACETYLAMINO FLUORENE (F3#				BDL	
489	231	4,4'-METHYLENE-BIS(2-CHLORO				BDL	
423	252	3,3'-DICHLOROBENZIDINE (G5#				BDL	
533	244	DIMETHOXYBENZIDINE (Z9#57)				BDL	
413	147	BIS(2-ETHYLHEXYL) PHTHALATE				BDL	
409	228	BENZO(A)ANTHRACENE (G5#6)				BDL	
418	228	CHRYSENE (G5#8)				BDL	
497	264 I	D12-PERYLENE	1253	274000	40.0		
429	147	DI-N-OCTYL PHTHALATE (G6#2)				BDL	
407	252	BENZO(B)FLUORANTHENE (G6#3)				BDL	
517	256	7,12-DIMETHYLBENZIANTHRACENE				BDL	
407	252	BENZO(K)FLUORANTHENE (G6#4)				BDL	
406	252	BENZO(A)PYRENE (G6#5)				BDL	
549	268	3-METHYLCHLORANTHRENE (F6#2				BDL	
566	279	DIBENZO(A,J)ACRIDINE				BDL	

CORRECTED/REVIEWED BY

S. Hunt  
(GC/MS DATA REVIEWER)

DATE

5-14-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
437	276	INDENO(1,2,3-C,D)PYRENE (06)				BDL	1
417	278	DIBENZO(A,H)ANTHRACENE (060)				BDL	1
408	276	BENZO(G,H,I)PERYLENE (0608)				BDL	1
576	234	DIALATE (CIS ISOMER)				BDL	1
531	234	DIALATE (TOTAL)				BDL	1
CHECKSUMS:							
	10114.		3198	1102000.		121.6	2

CORRECTED/REVIEWED BY

  
\_\_\_\_\_  
(GC/MS DATA REVIEWER)

DATE

5-14-90  
\_\_\_\_\_



## CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$
$$\frac{1000. \text{ ML}}{1000. \text{ ML}} \times 1.0 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 5

CORRECTED/REVIEWED BY

  
(GC/MS DATA REVIEWER)

DATE

5-18-90

COMP	M/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (U9/L)	DETECT. LIMIT (U9/L)
494	152	I	D4-1,4-DICHLOROBENZENE (I90)	465	163000	40.0		
441	42		N-NITROSODIMETHYLAMINE (Q10)				BDL	1
481	79		PTRIDINE (Z901)				BDL	1
309	69		ETHYLMAHACRYLATE (Z902)				<del>BDL</del> <i>BDL</i>	1
343	89		PARALDEHYDE (Z903)				BDL	1
310	93		2-PICOLINE (Z9036)				BDL	2
335	88		NITROSOMETHYLETHYLAMINE (Z9)				BDL	1
343	80		METHYL METHANE SULFONATE (Z)				BDL	1
499	102		N-NITROSODIETHYLAMINE (Z906)				BDL	1
314	109		ETHYL METHANESULFONATE (Z90)				BDL	1
610	94		PHENOL (Q103)				BDL	1
473	93		ANILINE (Q104)				BDL	1
303	167		PENTACHLOROETHANE (Z908)				BDL	1
411	93		BIS(2-CHLOROETHYL)ETHER (Q1)				BDL	2
601	128		2-CHLOROPHENOL (Q106)				BDL	1
421	146		1,3-DICHLOROBENZENE (Q107)				BDL	1
306	91		BENZYL CHLORIDE (Z909)				BDL	1
422	146		1,4-DICHLOROBENZENE (Q108)				BDL	1
474	108		BENZYL ALCOHOL (Q109)				BDL	1
420	146		1,2-DICHLOROBENZENE (Q1010)				BDL	1
620	108		2-METHYLPHENOL (Q1011)				BDL	1
412	45		BIS(2-CHLOROISOPROPYL)ETHER				BDL	1
621	108		3-METHYLPHENOL (F102)				BDL	1
622	108		4-METHYLPHENOL (Q1013)				BDL	1
328	100		N-NITROBOPYRROLIDINE (Z9010)				BDL	1
344	116		N-NITROSOPORPHOLINE (Z9012)				BDL	1
300	103		ACETOPHENONE (Z9011)				BDL	1
442	70		N-NITROSO-DI-N-PROPYLAMINE				BDL	1
312	106		D-TOLUIDINE HYDROCHLORIDE (				BDL	1
436	117		HEXACHLOROETHANE (Q1015)				BDL	1
460	136	I	D8-NAPHTHALENE (I902)	373	343000	40.0		
440	77		NTTROBENZENE (Q1016)				BDL	1
302	114		N-NITROSODIPIPERIDINE (Z901)				BDL	1
438	82		ISOPHORONE (Q202)				BDL	1
603	107		2,4-DIMETHYLPHENOL (Q204)				BDL	1
606	139		2-NITROPHENOL (Q203)				BDL	1
451	180		1,3,5-TRICHLOROBENZENE (Z90)				BDL	1
318	123		BENZAL CHLORIDE (Z9016)				BDL	1
623	122		BENZOIC ACID (Q205)				BDL	10
410	93		BIS(2-CHLOROETHOXY)METHANE				BDL	1
602	168		2,4-DICHLOROPHENOL (Q207)				BDL	1
446	180		1,2,4-TRICHLOROBENZENE (Q20)				BDL	1
439	128		NAPHTHALENE (Q209)				BDL	1

CORRECTED/REVIEWED BY

*J. Reed*  
(GC/MS DATA REVIEWER)

DATE

*5-14-90*

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT LIMIT (UG/L)
475	127	4-CHLOROANILINE (02010)				BDL	1
631	162	2,6-DICHLOROPHENOL (Z9018)				BDL	2
524	108	O-PHENYLENEDIAMINE (Z9019)			47.6	AS BDL	1
515	91	ALPHA, ALPHA DIMETHYLPHENETH				BDL	1
537	213	HEXACHLOROPROPENE (Z9021)				BDL	1
434	225	HEXACHLOROBUTADIENE (02011)				BDL	1
450	180	1,2,3-TRICHLOROBENZENE (Z9020)				BDL	1
534	159	BENZOTRICHLOIDE (Z9023)				BDL	2
536	84	N-NITROSO-DI-N-BUTYLAMINE (				BDL	1
608	107	P-CHLORO-M-CRESOL (02012)				BDL	1
526	108	P-PHENYLENEDIAMINE (Z9020)				BDL	1
503	162	SAFROLE (Z9027)				BDL	1
525	108	R-PHENYLENEDIAMINE (Z9026)				BDL	1
477	142	2-METHYLNAPHTHALENE (02013)				BDL	1
569	142	1-METHYLNAPHTHALENE (T2020)				BDL	1
495	164	I D10-ACENAPHTHENE (1803)	727	334000	40.0		1
457	216	1,2,4,5-TETRACHLOROBENZENE				BDL	1
513	216	1,2,3,5-TETRACHLOROBENZENE				BDL	1
435	236	HEXACHLOROCYCLOPENTADIENE (				BDL	1
611	196	2,4,6-TRICHLOROPHENOL (0303)				BDL	2
626	196	2,4,5-TRICHLOROPHENOL (0304)				BDL	2
527	162	ISOSAFROLE (Z9030)				BDL	2
416	162	2-CHLORONAPHTHALENE (0305)				BDL	1
564	162	1-CHLORONAPHTHALENE (F402)				BDL	1
456	216	1,2,3,4-TETRACHLOROBENZENE				BDL	1
478	65	2-NITROANILINE (0306)				BDL	1
504	158	1,4-NAPHTHOQUINONE (Z9032)				BDL	2
491	168	1,4-DINITROBENZENE (F302)				BDL	2
425	163	DIMETHYL PHTHALATE (0307)				BDL	1
428	189	2,6-DINITROTOLUENE (03015)				BDL	1
402	157	ACENAPHTHYLENE (0308)				BDL	1
479	138	3-NITROANILINE (0309)				BDL	2
401	153	ACENAPHTHENE (03010)				BDL	1
605	184	2,4-DINITROPHENOL (03011)				BDL	4
607	109	4-NITROPHENOL (03012)				BDL	1
427	165	2,4-DINITROTOLUENE (03014)				BDL	1
476	168	DIBENZOFURAN (03013)				BDL	1
507	250	PENTACHLOROBENZENE (Z9033)				BDL	1
484	143	2-NAPHTHYLAMINE (Z9035)				BDL	2
483	143	1-NAPHTHYLAMINE (Z9036)				BDL	2
630	231	2,3,4,6-TETRACHLOROPHENOL (				BDL	2
424	149	DIETHYL PHTHALATE (03016)				BDL	1
519	97	ZINOPHOS (Z9038)				BDL	1

CORRECTED/REVIEWED BY

  
 (GC/MS DATA REVIEWER)

DATE

5-14-92

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
417	204	4-CHLOROPHENYL PHENYL ETHER				BDL	1
432	166	FLUORENE (83818)				BDL	1
480	138	4-NITROANILINE (83819)				BDL	2
498	152	5-NITRO-O-TOLUIDINE (29834)				BDL	2
430	77	1,2-DIPHENYLHYDRAZINE (A208)				BDL	1
467	188	I D10-PHENANTHRENE (1884)	855	487000	40.0		
459	240	I D12-CHRYSENE (1885)	1090	341000	40.0		
497	264	I D12-PERYLENE	1253	274000	40.0		
619	112	B 2-FLUOROPHENOL (8881)			111.0	55. X	
612	99	B D5-PHENOL (8882)			91.6	46. X	
447	82	B D5-NITROBENZENE (8883)			80.3	80. X	
448	172	B 2-FLUOROBIPHENYL (8884)			83.5	83. X	
628	330	B 2,4,6-TRIBROMOPHENOL (8885)			191.0	95. X	
471	212	B D10-PYRENE			115.0	115. X	
496	244	B D14-YERPHENYL (8886)			106.0	106. X	
CHECKSUMS:							
14268.			4963	2144000.	1071.4		53.

CORRECTED/REVIEWED BY

S. Fed  
(QC/MS DATA REVIEWER)

DATE

5-14-90

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% RECOVERY	CONTROL RANGE	P
95	619	2-FLUOROPHENOL (SS#1)	111.0	200.0	55.	21-100	X
96	612	D5-PHENOL (SS#2)	91.6	200.0	46.	10-94	X
97	447	D5-NITROBENZENE (SS#3)	80.3	100.0	80.	33-114	X
98	448	2-FLUOROBIPHENYL (SS#4)	83.9	100.0	83.	43-116	X
99	628	2,4,6-TRIBROMOPHENOL (SS#5)	191.0	200.0	95.	10-123	X
*1	471	D10-PYRENE	115.0	100.0	115.	40-130*	X
*1	496	D14-TERPHENYL (SS#6)	106.0	100.0	106.	33-141	X

\* ADVISORY SURROGATE ONLY

++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{1000 \text{ ML}}{1000 \text{ ML}} \times 1.0 \text{ ML} \times 1.0 \times 1 = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{1000 \text{ UL}}{\text{VOLUME SURROGATE ADDED (UL)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{1000 \text{ UL}}{1000 \text{ UL}} \times 1.0 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 9

CORRECTED/REVIEWED BY S. Head  
(GC/MS DATA REVIEWER)

DATE 5-14-90



#### QUALITY ASSURANCE NOTICE

Burrogate standards are added to all samples being processed for organic analyses. These standards contain one or more compounds intended to analytically mimic the responses or recoveries of the target compounds of interest. The recovery of the surrogate compound is compared to a control limit range to determine whether or not the laboratory's analytical system was in control at the time of sample processing.

In most cases, these control limits have been mandated by a referenced method or statement-of-work (the Contract Laboratory Program, for example). For some methods, however, the surrogate control limit range has not been established. In such instances, the laboratory has generated "advisory" ranges based on method validation studies performed internally and initial experience with the method on "real world" samples. These ranges are used to guide the analyst in evaluating the data. Statistically-based control limits, which will be used to determine whether or not a particular analysis must be repeated, will be generated as soon as sufficient historical data is accumulated.

A handwritten signature in cursive script, reading "Robert J. Whitehead".

Robert J. Whitehead  
Manager, Quality Assurance

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK86

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS

Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02

Matrix: (soil/water) WATER Lab Sample ID: SBLK86

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ018347A22

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/11/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/90

GPC Cleanup: (Y/N) N pN: \_\_\_\_\_ Dilution Factor: 1.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
62-75-9	N-Nitrosodimethylamine	10	U
110-86-1	Pyridine	10	U
97-63-2	Ethyl methacrylate	10	U
123-63-7	Paraldehyde	10	U
109-06-8	2-Picoline	20	U
10595-95-6	Nitrosomethylethylamine	10	U
66-27-3	Methyl methanesulfonate	10	U
108-95-2	Phenol	10	U
55-18-5	N-Nitrosodiethylamine	10	U
62-50-5	Ethyl methanesulfonate	10	U
62-53-3	Aniline	10	U
76-01-7	Pentachloroethane	10	U
111-44-4	bis(2-Chloroethyl) Ether	20	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
100-44-7	Benzyl chloride	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	10	U
108-39-4	3-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
59-89-2	N-Nitrosomorpholine	10	U
98-86-2	Acetophenone	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
636-21-5	o-Toluidine hydrochloride	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
100-75-4	N-Nitrosopiperidine	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-4

1/87 Rev.

108-70-3-----1,3,5-Trichlorobenzene	10	U
98-87-3-----Benzal chloride	10	U
65-85-0-----Benzoic Acid	100	U
111-91-1-----bis(2-Chloroethoxy)Methane	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	10	U
106-47-8-----4-Chloroaniline	10	U
87-65-0-----2,6-Dichlorophenol	20	U
95-54-5-----o-Phenylenediamine	10	U
122-09-8-----dimethylphenylethylamine	10	U
1888-71-7-----Hexachloropropene	10	U
87-68-3-----Hexachlorobutadiene	10	U
87-61-6-----1,2,3-Trichlorobenzene	10	U
98-07-7-----Benzotrichloride	20	U
924-16-3-----N-Nitroso-di-n-butylamine	10	U
59-50-7-----4-Chloro-3-Methylphenol	10	U
106-50-3-----P-Phenylenediamine	10	U
94-59-7-----Safrole	10	U
106-50-3-----m-Phenylenediamine	10	U
91-57-6-----2-Methylnaphthalene	10	U
90-12-0-----1-Methylnaphthalene	10	U
95-94-3-----1,2,4,5-Tetrachlorobenzene	10	U
634-90-2-----1,2,3,5-Tetrachlorobenzene	10	U
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	20	U
95-95-4-----2,4,5-Trichlorophenol	20	U
120-58-1-----Isosafrole	20	U
91-58-7-----2-Chloronaphthalene	10	U
90-11-1-----1-Chloronaphthalene	10	U
634-66-2-----1,2,3,4-Tetrachlorobenzene	10	U
88-74-4-----2-Nitroaniline	10	U
110-15-4-----1,4-Naphthoquinone	20	U
100-25-4-----1,4-Dinitrobenzene	20	U
131-11-3-----Dimethyl Phthalate	10	U
208-96-8-----Acenaphthylene	10	U



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK86

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK86  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ038347A22  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/11/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2-----	3-Nitroeniline	20	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	40	U
100-02-7-----	4-Nitrophenol	10	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
608-93-5-----	Pentachlorobenzene	10	U
134-32-7-----	2-Naphthylamine	20	U
606-20-2-----	2,6-Dinitrotoluene	10	U
134-32-7-----	1-Naphthylamine	20	U
58-90-2-----	2,3,4,6-Tetrachlorophenol	20	U
84-66-2-----	Diethylphthalate	10	U
297-97-2-----	Zinophos	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	20	U
99-55-8-----	5-Nitro-o-toluidine	20	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	30	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
122-39-4-----	Diphenylamine	10	U
99-35-4-----	1,3,5-Trinitrobenzene	20	U
122-66-7-----	1,2-Diphenylhydrazine	10	U
62-44-2-----	Phenacetin	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
2303-16-4-----	Diallate	10	U
60-51-5-----	Dimethoate	10	U
118-74-1-----	Hexachlorobenzene	10	U
92-67-1-----	4-Aminobiphenyl	10	U
23950-58-5-----	Pronamide	10	U
87-86-5-----	Pentachlorophenol	20	U
82-68-8-----	Pentachloronitrobenzene	10	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-Butylphthalate	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-2

1/87 Rev.

91-80-5-----Methapyrilene	20	U
50-18-0-----Cyclophosphamide	50	U
206-44-0-----Fluoranthene	10	U
92-87-5-----Benzidine	10	U
129-00-0-----Pyrene	10	U
140-57-8-----Aramite	20	U
60-11-7-----p-Dimethylaminoazobenzene	10	U
510-15-6-----Chlorobenzilate	10	U
119-93-7-----3,3'-Dimethylbenzidine	20	U
85-68-7-----Butylbenzylphthalate	10	U
53-96-3-----2-Acetylaminofluorene	10	U
101-14-4-----Methylene-bis(2-chloroaniline)	10	U
91-94-1-----3,3'-Dichlorobenzidine	10	U
106-51-4-----3,3'-Dimethoxybenzidine	10	U
56-55-3-----Benzo(a)Anthracene	10	U
218-01-9-----Chrysene	10	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	10	U
117-84-0-----Di-n-Octyl Phthalate	10	U
205-99-2-----Benzo(b) Fluoranthene	10	U
57-97-6-----7,12-Dimethylbenzanthracene	10	U
207-08-9-----Benzo(k) Fluoranthene	10	U
50-32-8-----Benzo(a) Pyrene	10	U
56-49-5-----3-Methylcholanthrene	10	U
224-42-0-----Dibenzo(a,j)acridine	10	U
193-39-5-----Indeno(1,2,3-cd)Pyrene	10	U
53-70-3-----Dibenz(a,h)Anthracene	10	U
191-24-2-----Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK86

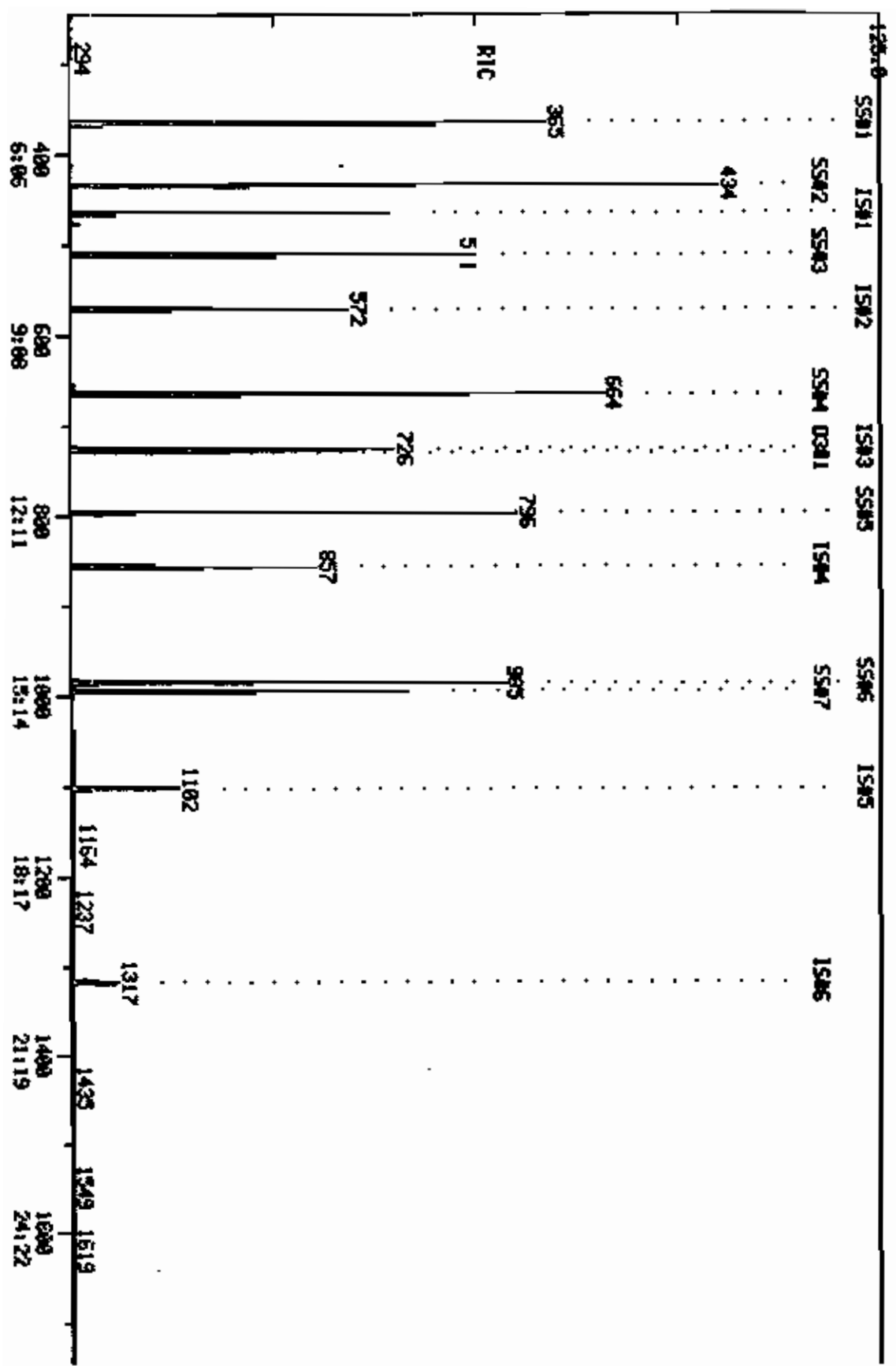
Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20174 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK86  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ038347A22  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/11/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/15/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

RIC  
 08/19/98 12:59:08  
 SAMPLE: JLE CD0303047 ID#58496  
 COND.: EXTRACTED 9/11/98 UNDILUTED

CONFUCHEN LABS  
 CONFUCHEN DATA: G40303047R22.S005 245 TO 1745  
 CAUTIONOUS ON 22  
 OUT OF 245 TO 1800



RIC  
06/19/90 12:59:08  
SAMPLE 10L GC838347 10658185  
COND. 1 EXTRACTED 5/11/90 UNDILUTED

COMPUCHEN LABS  
COMPUCHEN DATA: GC83834792Z

SCANS 1745 TO 1889  
OUT OF 245 TO 1880  
ON 22

150825A

1880  
27.25

SCAN  
TIME

## QUANTITATION REPORT FILE: 0J038347A22

DATA: 0J038347A22.TI

05/15/90 12:59:00

SAMPLE: 1UL CC0338347 ID#SBLK86

CB#VARIOUS

ON 22

CONDN.: EXTRACTED 5/11/90 UNDILUTED

SUBMITTED BY: 22 ANALYST: 740

AMOUNT=AREA \* REF. AMNT/(REF. AREA)\* RESP. FACT)

RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (1801)
2	441 N-NITROSODIMETHYLAMINE (0102) <62-75-9>
3	481 PYRIDINE (1901)
4	509 ETHYL METHACRYLATE (1902)
5	542 PARALDEHYDE (1903)
6	510 2-PICOLINE (19056)
7	535 NITROSOMETHYLETHYLAMINE (1904) <10595-95-6>
8	543 METHYL METHANE SULFONATE (1905) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (1906)
10	514 ETHYL METHANESULFONATE (1907) <62-50-0>
11	610 PHENOL (0103) <108-95-2>
12	473 ANILINE (0104) <62-53-3>
13	505 PENTACHLOROETHANE (1908)
14	411 BIS(2-CHLOROETHYL)ETHER (0105) <111-44-4>
15	601 2-CHLOROPHENOL (0106) <95-57-8>
16	421 1,3-DICHLOROBENZENE (0107) <541-73-1>
17	506 BENZYL CHLORIDE (1909)
18	422 1,4-DICHLOROBENZENE (0108) <106-46-7>
19	474 BENZYL ALCOHOL (0109) <100-51-6>
20	420 1,2-DICHLOROBENZENE (0110) <95-50-1>
21	620 2-METHYLPHENOL (0111) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (0112) <39638-32-9>
23	621 3-METHYLPHENOL (0112) <108-39-4>
24	622 4-METHYLPHENOL (0113) <106-44-5>
25	528 N-NITROSPYRROLIDINE (1910) <930-95-2>
26	544 N-NITROSOMORPHOLINE (1912) <59-89-2>
27	500 ACETOPHENONE (1911)
28	442 N-NITROSO-DI-N-PROPYLAMINE (0114) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (1913)
30	436 HEXACHLOROETHANE (0115) <67-72-1>
31	*460 O8-NAPHTHALENE (1802)
32	440 NITROBENZENE (0116) <98-95-3>
33	502 N-NITROPIPERIDINE
34	438 ISOPHORONE (0202) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (0204) <105-67-9>
36	606 2-NITROPHENOL (0203) CB#-75-9>
37	451 1,3,5-TRICHLOROBENZENE (19022) <180-20-3>
38	518 BENZAL CHLORIDE (19016) <98-87-3>
39	625 BENZOIC ACID (0205) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (0206) <111-91-1>
41	602 2,4-DICHLOROPHENOL (0207) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (0208) <120-82-1>
43	439 NAPHTHALENE (0209) <91-20-3>
44	475 4-CHLOROANILINE (0210) <106-47-8>
45	631 2,6-DICHLOROPHENOL (19018)
46	524 O-PHENYLENEDIAMINE (19019) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9017) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9021) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2011) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9015) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9023) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9024) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2012) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9020) <108-45-2>
55	503 SAFROLE (Z9027)
56	525 M-PHENYLENEDIAMINE (Z9026) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2013) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2028) <90-12-0>
59	*495 D10-ACENAPHTHENE (I803)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9031) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9029) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q302) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q303) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q304) <95-95-4>
65	527 ISOSAFROLE (Z9030) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q305) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F402)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9028) <634-66-2>
69	478 2-NITROANILINE (Q306) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9032)
71	491 1,4-DINITROBENZENE (F302) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q307) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3015) <606-20-2>
74	402 ACENAPHTHYLENE (Q308) <208-96-8>
75	479 3-NITROANILINE (Q309) <99-09-2>
76	401 ACENAPHTHENE (Q3010) <83-32-9>
77	0605 2,4-DINITROPHENOL (Q3011) <91-28-4>
78	607 4-NITROPHENOL (Q3012) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3014) <121-14-2>
80	476 DIBENZOFURAN (Q3013) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9033)
82	484 2-NAPHTHYLAMINE (Z9035)
83	483 1-NAPHTHYLAMINE (Z9036)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9037)
85	424 DIETHYL PHTHALATE (Q3016) <84-66-2>
86	519 ZINOPHOS (Z9038)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3017) <7005-72-3>
88	432 FLUORENE (Q3018) <86-73-7>
89	480 4-NITROANILINE (Q3019) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9034)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9039)
92	*467 D10-PHENANTHRENE (I804)
93	*459 D12-CHRYSENE (I805)
94	*497 D10-PERYLENE (I806)
95	0619 2-FLUOROPHENOL (S801)
96	0612 D5-PHENOL (S802)
97	0447 D5-NITROBENZENE (S803)
98	0448 2-FLUOROBIPHENYL (S804)
99	0628 2,4,6-TRIBROMOPHENOL (S805)
100	0471 D10-PYRENE (S806)
101	0496 D14-TERPHENYL (S807)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	ZTOT
----	-----	------	------	-----	-----	------	------------	--------	------

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	%TOT
1	152	464	7:04	1	1.000	A BB	141804.	40.000 NG	3.87
2	42	NOT FOUND							
3	79	NOT FOUND							
4	69	NOT FOUND							
5	89	NOT FOUND							
6	93	NOT FOUND							
7	88	NOT FOUND							
8	80	NOT FOUND							
9	102	NOT FOUND							
10	109	NOT FOUND							
11	94	NOT FOUND							
12	93	NOT FOUND							
13	167	NOT FOUND							
14	93	NOT FOUND							
15	128	NOT FOUND							
16	146	NOT FOUND							
17	91	NOT FOUND							
18	146	NOT FOUND							
19	108	NOT FOUND							
20	146	NOT FOUND							
21	108	NOT FOUND							
22	45	NOT FOUND							
23	108	NOT FOUND							
24	108	NOT FOUND							
25	100	NOT FOUND							
26	116	NOT FOUND							
27	105	NOT FOUND							
28	70	NOT FOUND							
29	106	NOT FOUND							
30	117	NOT FOUND							
31	136	571	8:42	31	1.000	A BB	469396.	40.000 NG	3.87
32	77	NOT FOUND							
33	114	NOT FOUND							
34	82	NOT FOUND							
35	107	NOT FOUND							
36	139	NOT FOUND							
37	180	NOT FOUND							
38	125	NOT FOUND							
39	122	NOT FOUND							
40	93	NOT FOUND							
41	162	NOT FOUND							
42	180	NOT FOUND							
43	128	NOT FOUND							
44	127	NOT FOUND							
45	162	NOT FOUND							
46	108	572	8:43	31	1.002	A BB	60252.	51.559 NG	4.99 No
47	91	NOT FOUND							
48	213	NOT FOUND							
49	225	NOT FOUND							
50	180	NOT FOUND							
51	159	NOT FOUND							
52	84	NOT FOUND							
53	107	NOT FOUND							
54	108	NOT FOUND							
55	162	NOT FOUND							
56	108	NOT FOUND							



NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
57	142	NOT FOUND							
58	142	NOT FOUND							
59	164	726	11:03	59	1.000	A BB	239112.	40.000 NO	3.87
60	216	NOT FOUND							
61	216	NOT FOUND							
62	237	NOT FOUND							
63	196	NOT FOUND							
64	196	NOT FOUND							
65	162	NOT FOUND							
66	162	NOT FOUND							
67	162	NOT FOUND							
68	216	NOT FOUND							
69	65	NOT FOUND							
70	158	NOT FOUND							
71	168	NOT FOUND							
72	163	NOT FOUND							
73	165	NOT FOUND							
74	152	NOT FOUND							
75	138	NOT FOUND							
76	153	NOT FOUND							
77	184	NOT FOUND							
78	109	NOT FOUND							
79	165	NOT FOUND							
80	168	NOT FOUND							
81	250	NOT FOUND							
82	143	NOT FOUND							
83	143	NOT FOUND							
84	232	NOT FOUND							
85	149	NOT FOUND							
86	97	NOT FOUND							
87	204	NOT FOUND							
88	166	NOT FOUND							
89	138	NOT FOUND							
90	152	NOT FOUND							
91	77	NOT FOUND							
92	188	857	13:03	92	1.000	A BB	312772.	40.000 NO	3.87
93	240	1102	16:47	93	1.000	A BB	160496.	40.000 NO	3.87
94	264	1317	20:03	94	1.000	A BB	108760.	40.000 NO	3.87
95	112	365	5:34	1	0.787	A BB	660760.	111.300 NO	10.77
96	99	434	6:37	1	0.938	A BB	605136.	85.941 NO	8.32
97	82	511	7:47	31	0.895	A BB	439496.	78.323 NO	7.58
98	172	664	10:07	59	0.915	A BB	568568.	79.383 NO	7.68
99	330	796	12:07	59	1.096	A BB	124412.	178.163 NO	17.25
100	212	985	13:00	93	0.894	A BV	521630.	103.245 NO	9.99
101	244	995	13:09	93	0.903	A BB	429174.	105.197 NO	10.18

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:06	1.00	10.000	D. 1D	40.00	40.00	1.000	1.000	1.00
2	3:59		10.000			50.00		0.786	
3	4:00		10.000			50.00		1.761	
4	4:33		10.000			50.00		1.475	
5	4:32		10.000			50.00		0.300	
6	4:54		20.000			50.00		1.810	
7	5:03		10.000			200.00		0.426	
8	5:23		10.000			50.00		1.054	
9	5:52		10.000			50.00		0.870	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:11		10.000			50.00		0.900	
11	6:39		10.000			50.00		2.249	
12	6:44		10.000			50.00		2.961	
13	6:46		10.000			50.00		0.900	
14	6:46		20.000			50.00		2.097	
15	6:52		10.000			50.00		1.806	
16	7:03		10.000			50.00		1.780	
17	7:07		10.000			50.00		3.143	
18	7:07		10.000			50.00		1.693	
19	7:15		10.000			50.00		1.034	
20	7:21		10.000			50.00		1.704	
21	7:24		10.000			50.00		1.364	
22	7:27		10.000			50.00		1.942	
23	7:34		10.000			100.00		1.520	
24	7:34		10.000			100.00		1.520	
25	7:36		10.000			50.00		0.853	
26	7:36		10.000			50.00		0.449	
27	7:37		10.000			50.00		2.187	
28	7:38		10.000			50.00		1.341	
29	7:40		10.000			50.00		1.957	
30	7:46		10.000			50.00		0.898	
31	8:45	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:51		10.000			50.00		0.906	
33	8:02		10.000			50.00		0.227	
34	8:08		10.000			50.00		0.989	
35	8:15		10.000			50.00		0.476	
36	8:19		10.000			50.00		0.238	
37	8:16		10.000			50.00		0.302	
38	8:18		10.000			50.00		0.692	
39	8:22		100.000			50.00		0.229	
40	8:23		10.000			50.00		0.514	
41	8:33		10.000			50.00		0.302	
42	8:41		10.000			50.00		0.321	
43	8:46		10.000			50.00		1.225	
44	8:49		10.000			50.00		0.675	
45	8:51		20.000			50.00		0.313	
46	8:49	1.00	10.000	0.10	51.56	50.00	0.103	0.100	1.03
47	9:00		10.000			50.00		0.086	
48	8:55		10.000			50.00		0.154	
49	8:59		10.000			50.00		0.139	
50	9:00		10.000			50.00		0.279	
51	9:05		20.000			50.00		0.400	
52	9:17		10.000			50.00		0.175	
53	9:26		10.000			50.00		0.425	
54	9:26		10.000			50.00		0.033	
55	9:32		10.000			50.00		0.270	
56	9:32		10.000			50.00		0.002	
57	9:41		10.000			50.00		1.001	
58	9:49		10.000			50.00		0.536	
59	11:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	9:57		10.000			100.00		0.442	
61	9:57		10.000			100.00		0.442	
62	9:59		10.000			50.00		0.217	
63	10:04		20.000			50.00		0.260	
64	10:07		20.000			50.00		0.349	
65	10:13		20.000			50.00		0.488	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:20		10.000			50.00		1.326	
67	10:23		10.000			50.00		1.121	
68	10:20		10.000			50.00		0.442	
69	10:28		10.000			50.00		0.459	
70	10:33		20.000			50.00		0.463	
71	10:36		20.000			50.00		0.298	
72	10:42		10.000			50.00		1.413	
73	10:49		10.000			50.00		0.334	
74	10:54		10.000			50.00		1.891	
75	11:01		20.000			50.00		0.392	
76	11:09		10.000			50.00		1.172	
77	11:09		40.000			50.00		0.142	
78	11:12		10.000			50.00		0.220	
79	11:21		10.000			50.00		0.434	
80	11:22		10.000			50.00		1.577	
81	11:24		10.000			50.00		0.365	
82	11:28		20.000			50.00		0.860	
83	11:34		20.000			50.00		0.925	
84	11:34		20.000			50.00		0.199	
85	11:39		10.000			50.00		1.536	
86	11:46		10.000			50.00		0.361	
87	11:47		10.000			50.00		0.475	
88	11:50		10.000			50.00		1.243	
89	11:51		20.000			50.00		0.386	
90	11:50		20.000			50.00		0.424	
91	12:00		10.000			50.00		2.171	
92	13:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	20:13	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:35	0.99	0.742	1.06	111.30	50.00	3.728	1.675	2.23
96	6:38	1.00	0.948	0.99	85.94	50.00	3.414	1.986	1.72
97	7:49	1.00	0.875	1.02	78.32	50.00	0.749	0.478	1.57
98	10:10	1.00	0.906	1.01	79.38	50.00	1.902	1.198	1.59
99	12:10	1.00	1.118	0.98	178.16	50.00	0.416	0.117	3.56
100	15:02	1.00	10.000	0.09	103.25	50.00	2.600	1.259	2.06
101	15:11	1.00	0.907	1.00	105.20	50.00	2.139	1.017	2.10

QUANTITATION REPORT FILE: 0J038347A22

DATA: 0J038347A22.T1

05/15/90 12:59:00 ✓

SAMPLE: 1UL CC0338347 ID088LKB6 ✓

CS#VAR10VB ✓

ON 22

CONDB.: EXTRACTED 9/11/90 UNDILUTED

SUBMITTED BY: 22 ANALYST: 740

AMOUNT=AREA \* REF. AMNT/(REF. AREA)\* RESP. FACT)

RESP. FAC. FROM LIBRARY ENTRY

NO NAME

- 1 \*467 D10-PHENANTHRENE (I8#4)
- 2 604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
- 3 443 N-NITROSODIPHENYLAMINE (G4#3) <86-30-6>
- 4 567 DIPHENYLAMINE (F3#3)
- 5 508 1,3,5-TRINITROBENZENE (Z9#41)
- 6 539 PHENACETIN (Z9#42) <63-44-2>
- 7 414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
- 8 577 DIALLATE (TRANS ISOMER)
- 9 541 DIMETHOATE (Z9#44)
- 10 433 HEXACHLOROBENZENE (G4#5) <118-74-1>
- 11 489 4-AMINOBIIPHENYL (Z9#45)
- 12 522 PRONAMIDE (Z9#46)
- 13 609 PENTACHLOROPHENOL (G4#6) <87-86-5>
- 14 453 PENTACHLORONITROBENZENE (Z9#47)
- 15 444 PHENANTHRENE (G4#7) <85-01-8>
- 16 403 ANTHRACENE (G4#8) <120-12-7>
- 17 426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
- 18 516 METHAPYRILENE (Z9#48)
- 19 549 CYCLOPHOSPHAMIDE (Z9#49)
- 20 431 FLUORANTHENE (G4#10) <206-44-0>
- 21 \*459 D12-CHRYSENE (I8#5)
- 22 404 BENZIDINE (G5#2) <92-87-9>
- 23 445 PYRENE (G5#3) <129-00-0>
- 24 530 ARAMITE (Z9#50) <140-57-4>
- 25 487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
- 26 523 CHLOROBENZILATE (Z9#52)
- 27 549 3,3'-DIMETHYLBENZIDINE (Z9#53)
- 28 419 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
- 29 488 2-ACETYLAMINO FLUORENE (F5#2)
- 30 489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z9#54)
- 31 423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
- 32 533 DIMETHOXYBENZIDINE (Z9#57)
- 33 413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
- 34 405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
- 35 418 CHRYSENE (G5#8) <218-01-9>
- 36 \*497 D10-PERYLENE (I8#6)
- 37 429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
- 38 407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
- 39 517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
- 40 409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
- 41 406 BENZO(A)PYRENE (G6#5) <50-32-8>
- 42 565 3-METHYLCHLORANTHRENE (F6#2)
- 43 566 DIBENZO(A, J)ACRIDINE
- 44 437 INDENO(1,2,3-C, D)PYRENE (G6#6) <193-39-9>
- 45 419 DIBENZO(A, H)ANTHRACENE (G6#7) <53-70-3>
- 46 408 BENZO(G, H, I)PERYLENE (G6#8) <191-24-2>

NO NAME  
47 376 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTDT
1	188	857	13:03	1	1.000	A BB	312772.	40.000 NG	32.36
2	198	NOT FOUND							
3	169	NOT FOUND							
4	169	NOT FOUND							
5	213	NOT FOUND							
6	108	NOT FOUND							
7	248	NOT FOUND							
8	234	NOT FOUND							
9	125	NOT FOUND							
10	284	NOT FOUND							
11	169	NOT FOUND							
12	173	NOT FOUND							
13	266	NOT FOUND							
14	237	NOT FOUND							
15	178	NOT FOUND							
16	178	NOT FOUND							
17	149	NOT FOUND							
18	97	NOT FOUND							
19	211	NOT FOUND							
20	202	NOT FOUND							
21	240	1102	16:47	21	1.000	A BB	160496.	40.000 NG	32.36
22	184	NOT FOUND							
23	202	NOT FOUND							
24	185	985	19:00	21	0.894	A BB	524.	3.643 NG	2.95/10
25	229	NOT FOUND							
26	139	NOT FOUND							
27	212	NOT FOUND							
28	149	NOT FOUND							
29	181	NOT FOUND							
30	231	NOT FOUND							
31	292	NOT FOUND							
32	244	NOT FOUND							
33	149	NOT FOUND							
34	228	NOT FOUND							
35	228	NOT FOUND							
36	264	1317	20:03	36	1.000	A BB	108760.	40.000 NG	32.36
37	149	NOT FOUND							
38	252	NOT FOUND							
39	256	NOT FOUND							
40	252	NOT FOUND							
41	292	NOT FOUND							
42	268	NOT FOUND							
43	279	NOT FOUND							
44	276	NOT FOUND							
45	278	NOT FOUND							
46	276	NOT FOUND							
47	234	NOT FOUND							

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:06	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	11:55		30.000			50.00		0.143	✓ 1.00
3	11:56		10.000			100.00		0.693	
4	11:56		10.000			100.00		0.693	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:17		20.000			50.00		0.090	
6	12:21		10.000			50.00		0.525	
7	12:27		10.000			50.00		0.182	
8	12:21		10.000			25.00		0.114	
9	12:37		10.000			50.00		0.156	
10	12:41		10.000			50.00		0.227	
11	12:48		10.000			50.00		0.731	
12	12:52		10.000			50.00		0.379	
13	12:54		20.000			50.00		0.130	
14	13:00		10.000			50.00		0.073	
15	13:08		10.000			50.00		1.244	
16	13:11		10.000			50.00		1.219	
17	13:48		10.000			50.00		1.798	
18	14:15		20.000			50.00		0.448	
19	14:32		50.000			200.00		0.025	
20	14:45		10.000			50.00		1.086	
21	14:51	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	14:51		10.000			50.00		0.138	
23	15:04		10.000			50.00		1.572	
24	15:03	1.00	20.000	0.04	3.64	50.00	0.003	0.036	0.07
25	15:23		10.000			50.00		0.259	
26	15:26		10.000			50.00		0.923	
27	15:49		20.000			50.00		0.444	
28	15:49		10.000			50.00		1.131	
29	16:15		10.000			50.00		0.572	
30	16:40		10.000			50.00		0.175	
31	16:42		10.000			50.00		0.256	
32	16:38		10.000			50.00		0.164	
33	16:42		10.000			50.00		1.464	
34	16:49		10.000			50.00		1.113	
35	16:54		10.000			50.00		1.072	
36	20:13	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:52		10.000			50.00		2.991	
38	19:10		10.000			100.00		0.947	
39	19:10		10.000			50.00		0.506	
40	19:10		10.000			100.00		0.947	
41	20:03		10.000			50.00		1.167	
42	21:11		10.000			50.00		0.642	
43	23:15		10.000			50.00		0.948	
44	24:07		10.000			50.00		1.317	
45	24:07		10.000			50.00		1.094	
46	25:16		10.000			50.00		1.061	
47	12:28		10.000			25.00		0.149	

MAST 5-6

LAB INSTRUCTIONS:

CASE: VARIOUS

DUE DATE:

GC/MS WORKSHEET

CDMPUCHEM# 338347

J( ) RE ) D( ) ( : )

JEL ) REE ) DEL ) ( : )

SENT-VDA + I.S. 3rd Ed SW-846, METHOD 8270  
B-V EXTRACTION, EPA/METHOD 3510  
LOW LEVEL LIQUID

Sample Prep Code---079  
Instrument Code---280  
Compound List---379  
Surrogate Std-----393  
Internal Std-----035

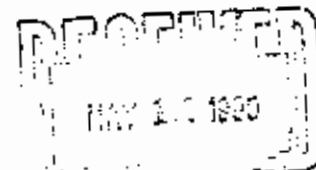
15 PEAK LIBRARY SEARCH REQUIRED

BASE:

EPAS: SBLX86

GC/MS ANALYSIS

Volumes mixed: BN 200 ul Acid \_\_\_\_\_ ul  
Internal Standard Volume Added 5 ul  
Mixed Sample Volume Injected 1 ul  
Date of Sample Bottle Analyzed 5/16/90  
DFTPP Filename DF900515C22 Disk (3034A)  
Standard Filename HG900515A22 Disk ( )  
Sample Filename GJ038347A22 Disk ( )



ANALYST(S): Injection 740

Work-up 740 Jordan

GC/MS REVIEW

CONDITION CODE

JA

Entry Codes OK,EA,JA,ES,AL,AH,PL,PH,FL, FH,NL,NH,YL,SL,SH,SM,YH

Non-Entry Codes IM,IL,IH,BU,CT,CS,PC,DT, ED,IF,LA,DI,CO,RN,DW,DA

Comp 5/16/90

Disposition:  Complete

Extraneous Peak Search Results:

# of Peaks Found: 0

# of Hits: 0

# of Surrogate Outliers: 0

Quality Assurance Notice(s):

# Notices Required 1

GC/MS Review Smith Date 5/16/90 Auditor Smith Date 5/16/90

REPRT INTEGRATION Total # of Injections: \_\_\_\_\_

Final Reportable Package(s): GJ038347A22 / \_\_\_\_\_

QA COMMENTS:

Initials \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

FINAL REVIEW:

Initials \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

ACE16 (06/87)

# EXTRACTION WORKSHEET

Semi-volatile/Polycyclic

CompuChem Laboratories Inc

DATE ASSIGNED 5/11/90

ASSIGNED TO: Paul Herbert

EQUIP ID NUMBER 1707

QUEUE 127

SAMPLE NUMBER	PREP CODE	CASE #	CLIENT #	GC SAMPLES		BOTTLE #	SAMPLE VOLUME(μl)	FINAL EXTRACT VOL (μl)			A	COMMENTS
				TYPE	ORIG NO.			SV	ACID	BN		
1	337842	-079	20224	73780 105		3/3	1000	1.0		13	1	* Use 500ul sample volume for SV only
2	337843			73780 106		3/3	1000	1.0		13	1	ADD 0.5ul more. Add 0.5ul spk.
3	337844			73780 107		3/3	1000	1.0		13	1	Comp. to 0.5ul final volume
4	337845			73780 108		3/3	1000	1.0		13	1	Add 0.5ul volume. spk. to 200 only
5	337846			73780 109		1/3	1000	1.0		13	1	
6	337847			73780 110		7/9	1000	1.0		13	1	
7	337848			73780 111		1/3	1000	1.0		13	1	
8	337849			73780 112		2/3	1000	1.0		13	1	
9	337850			73780 113		1/3	1000	1.0		13	1	
10	337851			73780 114		3/3	1000	1.0		13	1	*
11												
12												

SUBDOAT	NO. AMT. LOT	9-VOL	ACID	BN	OTHER	OTHER
		SSS				
	51923	6.0 ml				
SPK#	NO. AMT. LOT		30712	2021		yield spk#

ISSUED BY:

SUBSTRATE & SPIKE ADDED CORRECTLY



510/789  
5/11/90

MANUAL COUNTER  
FINAL VOLUME VERIFIED  
SUPERVISOR REVIEWED  
EXTRACTS RECEIVED BY  
5-11-90



CHP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
494	132	I D4-1,4-DICHLOROBENZENE (184)	464	142000	40.0		
441	42	N-NITROSODIMETHYLAMINE (Q10)				BDL	10
481	79	PYRIDINE (Z901)				BDL	10
509	69	ETHYLACRYLATE (Z902)				BDL	10
542	89	PARALDEHYDE (Z903)				BDL	10
510	93	2-PICOLINE (Z9056)				BDL	20
539	88	NITROSOMETHYLETHYLAMINE (Z905)				BDL	10
543	80	METHYL METHANE SULFONATE (Z906)				BDL	10
499	102	N-NITROSODIETHYLAMINE (Z906)				BDL	10
514	109	ETHYL METHANESULFONATE (Z907)				BDL	10
610	94	PHENOL (Q103)				BDL	10
473	93	ANILINE (Q104)				BDL	10
503	167	PENTACHLOROETHANE (Z908)				BDL	10
411	93	BIB(2-CHLOROETHYL)ETHER (Q105)				BDL	20
601	128	2-CHLOROPHENOL (Q106)				BDL	10
421	146	1,3-DICHLOROBENZENE (Q107)				BDL	10
506	91	BENZYL CHLORIDE (Z909)				BDL	10
422	146	1,4-DICHLOROBENZENE (Q108)				BDL	10
474	108	BENZYL ALCOHOL (Q109)				BDL	10
420	146	1,2-DICHLOROBENZENE (Q110)				BDL	10
620	108	2-METHYLPHENOL (Q111)				BDL	10
412	49	BIB(2-CHLOROISOPROPYL)ETHER (Q112)				BDL	10
621	108	3-METHYLPHENOL (Q113)				BDL	10
622	108	4-METHYLPHENOL (Q114)				BDL	10
528	100	N-NITROSPYRROLIDINE (Z910)				BDL	10
544	116	N-NITROSOMORPHOLINE (Z912)				BDL	10
500	105	ACETOPHENONE (Z911)				BDL	10
442	70	N-NITROSO-DI-N-PROPYLAMINE (Z913)				BDL	10
512	106	O-TOLUIDINE HYDROCHLORIDE (Z914)				BDL	10
436	117	HEXACHLOROETHANE (Q115)				BDL	10
460	136	I D8-NAPHTHALENE (1842)	571	469000	40.0		
440	77	NITROBENZENE (Q116)				BDL	10
502	114	N-NITROPIPERIDINE (Q117)				BDL	10
438	82	ISOPHORONE (Q202)				BDL	10
603	107	2,4-DIMETHYLPHENOL (Q204)				BDL	10
606	139	2-NITROPHENOL (Q203)				BDL	10
451	180	1,3,5-TRICHLOROBENZENE (Z915)				BDL	10
518	125	BENZAL CHLORIDE (Z916)				BDL	10
629	122	BENZOIC ACID (Q205)				BDL	100
410	93	BIB(2-CHLOROETHOXY)METHANE (Q206)				BDL	10
602	162	2,4-DICHLOROPHENOL (Q207)				BDL	10
446	180	1,2,4-TRICHLOROBENZENE (Q208)				BDL	10
439	128	NAPHTHALENE (Q209)				BDL	10

CORRECTED/REVIEWED BY

J. Hunt  
(GC/MS DATA REVIEWER)

DATE

5-16-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
475	127	4-CHLORANILINE (02010)				BDL	10
631	162	2,6-DICHLOROPHENOL (29018)				BDL	20
524	108	O-PHENYLENEDIAMINE (29019)			31.5	31.5 BDL	10
515	91	ALPHA, ALPHA DIMETHYLPHENETH				BDL	10
537	213	HEXACHLOROPROPENE (29021)				BDL	10
434	223	HEXACHLOROBUTADIENE (02011)				BDL	10
450	180	1,2,3-TRICHLOROBENZENE (290				BDL	10
534	139	BENZOTRICHLORIDE (29023)				BDL	20
536	84	N-NITROSO-DI-N-BUTYLAMINE (				BDL	10
608	107	P-CHLORO-N-CRESOL (02012)				BDL	10
526	108	P-PHENYLENEDIAMINE (29020)				BDL	10
503	162	SAFROLE (29027)				BDL	10
525	108	M-PHENYLENEDIAMINE (29026)				BDL	10
477	142	2-METHYLNAPHTHALENE (02013)				BDL	10
369	142	1-METHYLNAPHTHALENE (20028)				BDL	10
493	164	DIO-ACENAPHTHENE (2903)	726	239000	40.0		
457	216	1,2,4,5-TETRACHLOROBENZENE				BDL	10
513	216	1,2,3,5-TETRACHLOROBENZENE				BDL	10
435	237	HEXACHLOROCYCLOPENTADIENE (				BDL	10
611	196	2,4,6-TRICHLOROPHENOL (0303				BDL	20
626	196	2,4,5-TRICHLOROPHENOL (0304				BDL	20
527	162	ISOSAFROLE (29030)				BDL	20
416	162	2-CHLORONAPHTHALENE (0305)				BDL	10
564	162	1-CHLORONAPHTHALENE (F402)				BDL	10
436	216	1,2,3,4-TETRACHLOROBENZENE				BDL	10
478	65	2-NITROANILINE (0306)				BDL	10
504	138	1,4-NAPHTHOQUINONE (29032)				BDL	20
491	168	1,4-DINITROBENZENE (F302)				BDL	20
423	163	DIMETHYL PHTHALATE (0307)				BDL	10
428	163	2,6-DINITROTOLUENE (03015)				BDL	10
402	152	ACENAPHTHYLENE (0308)				BDL	10
479	138	3-NITROANILINE (0309)				BDL	20
401	153	ACENAPHTHENE (03010)				BDL	10
605	184	2,4-DINITROPHENOL (03011)				BDL	40
607	109	4-NITROPHENOL (03012)				BDL	10
427	163	2,4-DINITROTOLUENE (03014)				BDL	10
476	168	DIBENZO-FURAN (03013)				BDL	10
507	250	PENTACHLOROBENZENE (29033)				BDL	10
484	143	2-NAPHTHYLAMINE (29035)				BDL	20
483	143	1-NAPHTHYLAMINE (29036)				BDL	20
630	232	2,3,4,6-TETRACHLOROPHENOL (				BDL	20
424	149	DIETHYL PHTHALATE (03016)				BDL	10
519	97	ZINOPHOS (29038)				BDL	10

CORRECTED/REVIEWED BY

J. Hunt  
(GC/MS DATA REVIEWER)

DATE

5-16-98

CHP					QUANT	REPORTED	DETECT.
* N/E F	COMPOUND NAME	SCAN	AREA	VALUE	AMOUNT	LIMIT	
					(UG/L)	(UG/L)	
417 204	4-CHLOROPHENYL PHENYL ETHER				BDL	10	
432 166	FLUORENE (03#18)				BDL	10	
480 138	4-NITROANILINE (03#19)				BDL	20	
498 152	5-NITRO-O-TOLUIDINE (Z9#34)				BDL	20	
430 77	1,2-DIPHENYLHYDRAZINE (A208)				BDL	10	
467 188 I	D10-PHENANTHRENE (IS#4)	857	313000	40.0			
459 240 I	D12-CHRYSENE (IS#5)	1102	160000	40.0			
497 264 I	D10-PERYLENE (IS#6)	1317	109000	40.0			
619 112 B	2-FLUOROPHENOL (88#1)			111.0	55. %		
612 99 B	D5-PHENOL (88#2)			85.9	43. %		
447 82 B	D5-NITROBENZENE (88#3)			78.3	78. %		
448 172 B	2-FLUOROBIPHENYL (88#4)			79.4	79. %		
628 330 B	2,4,6-TRIBROMOPHENOL (88#5)			178.0	89. %		
471 212 B	D10-PYRENE (88#6)			103.0	103. %		
496 244 B	D14-TERPHENYL (88#7)			105.0	105. %		
CHECKSUMS:							
	14270.	3037	1432000.	1032.2		52.	

CORRECTED/REVIEWED BY

S. H. Smith  
(GC/MS DATA REVIEWER)

DATE

5-16-90

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% RECOVERY	CONTROL RANGE	P	F
95	619	2-FLUOROPHENOL (8901)	111.0	200.0	55.	21-100	X	
96	612	D5-PHENOL (8902)	85.9	200.0	43.	10-94	X	
97	447	D5-NITROBENZENE (8903)	78.3	100.0	78.	35-114	X	
98	448	2-FLUOROBIPHENYL (8904)	79.4	100.0	79.	43-116	X	
99	628	2,4,6-TRIBROMOPHENOL (8905)	178.0	200.0	89.	10-123	X	
*1	471	D10-PYRENE (8906)	103.0	100.0	103.	40-130+	X	
*1	496	D14-TERPHENYL (8907)	105.0	100.0	105.	33-141	X	

\* ADVISORY SURROGATE ONLY  
 ++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{1000 \text{ ML}}{1000 \text{ ML}} \times 1.0 \text{ ML} \times 1.0 \times 1 = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{1000 \text{ UL}}{\text{VOLUME SURROGATE ADDED (UL)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{1000 \text{ UL}}{1000 \text{ UL}} \times 1.0 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 9

CORRECTED/REVIEWED BY J. Hewitt  
 (GC/MS DATA REVIEWER)

DATE 5-16-90

CHP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
467	188	I D10-PHENANTHRENE (I884)	857	313000	40.0		
604	198	4,6-DINITRO-2-METHYLPHENOL				BDL	30
443	169	N-NITROSODIPHENYLAMINE (G48)				BDL	10
367	169	DIPHENYLAMINE (F383)				BDL	10
308	213	1,3,5-TRINITROBENZENE (Z984)				BDL	20
339	108	PHENACETIN (Z9842)				BDL	10
414	248	4-BROMOPHENYL PHENYL ETHER				BDL	10
977	234	DIALATE (TRANS ISOMER)				BDL	10
341	129	DIMETHOATE (Z9844)				BDL	10
433	284	HEXACHLOROBENZENE (G485)				BDL	10
485	169	4-AMINOBIIPHENYL (Z9845)				BDL	10
322	173	PRONAMIDE (Z9846)				BDL	10
609	266	PENTACHLOROPHENOL (G486)				BDL	20
453	237	PENTACHLORONITROBENZENE (Z9847)				BDL	10
444	178	PHENANTHRENE (G487)				BDL	10
403	178	ANTHRACENE (G488)				BDL	10
426	149	DI-N-BUTYL PHTHALATE (G489)				BDL	10
516	97	METHAPYRILENE (Z9848)				BDL	20
349	211	CYCLOPHOSPHAMIDE (Z9849)				BDL	50
431	202	FLUORANTHENE (G490)				BDL	10
459	240	I D12-CHRYSENE (I885)	1102	160000	40.0		
404	184	BENZIDINE (G502)				BDL	10
445	202	PYRENE (G503)				BDL	10
330	183	ARAMITE (Z9850)				<del>3.8</del> <del>45</del> BDL	20
487	225	P-DIMETHYLAMINOAZOBENZENE (				BDL	10
323	139	CHLOROBENZILATE (Z9852)				BDL	10
345	212	3,3'-DIMETHYLBENZIDINE (Z9853)				BDL	20
415	149	BUTYLBENZYL PHTHALATE (G504)				BDL	10
488	181	2-ACETYLAMINO FLUORENE (F50)				BDL	10
489	231	4,4'-METHYLENE-BIS(2-CHLORO				BDL	10
423	252	3,3'-DICHLOROBENZIDINE (G505)				BDL	10
333	244	DIMETHOXYBENZIDINE (Z9857)				BDL	10
413	149	BIS(2-ETHYLHEXYL) PHTHALATE				BDL	10
405	228	BENZO(A)ANTHRACENE (G506)				BDL	10
418	228	CHRYSENE (G508)				BDL	10
497	264	I D10-PERYLENE (I886)	1317	109000	40.0		
429	149	DI-N-OCTYL PHTHALATE (G602)				BDL	10
407	252	BENZO(B)FLUORANTHENE (G603)				BDL	10
517	256	7,12-DIMETHYLBENZANTHRACENE				BDL	10
409	252	BENZO(K)FLUORANTHENE (G604)				BDL	10
406	252	BENZO(A)PYRENE (G605)				BDL	10
365	268	3-METHYLCHLORANTHRENE (F602)				BDL	10
366	279	DIBENZO(A, J)ACRIDINE				BDL	10

CORRECTED/REVIEWED BY

S. Hunt  
(GC/MS DATA REVIEWER)

DATE

5-16-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
437	276	INDENO(1,2,3-C,D)PYRENE (G6				BDL	10
419	278	DIBENZO(A,H)ANTHRACENE (G6#				BDL	10
408	276	BENZO(G,H,I)PERYLENE (G6#B)				BDL	10
576	234	DIALATE (CIS ISOMER)				BDL	10
531	234	DIALATE (TOTAL)				BDL	10
CHECKSUMS:							
	10115.		3276	582000.		123.6	4.

CORRECTED/REVIEWED BY *S. Smith*  
 (GC/MS DATA REVIEWER)  
 DATE 5-16-99

## CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VDL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \frac{\text{DILUTION FACTOR}}{2} =$$
$$\frac{1000 \text{ ML}}{1000 \text{ ML}} \times 1.0 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 9

CORRECTED/REVIEWED BY

S. Smith  
(GC/MS DATA REVIEWER)


DATE

5-16-90

QUALITY ASSURANCE NOTICE

Surrogate standards are added to all samples being processed for organic analyses. These standards contain one or more compounds intended to analytically mimic the response or recoveries of the target compounds of interest. The recovery of the surrogate compound is compared to a control limit range to determine whether or not the laboratory's analytical system was in control at the time of sample processing.

In most cases, these control limits have been mandated by a referenced method or statement-of-work (the Contract Laboratory Program, for example). For some methods, however, the surrogate control limit range has not been established. In such instances, the laboratory has generated "advisory" ranges based on method validation studies performed internally and initial experience with the method on "real world" samples. These ranges are used to guide the analyst in evaluating the data. Statistically-based control limits, which will be used to determine whether or not a particular analysis must be repeated, will be generated as soon as sufficient historical data is accumulated.



Robert J. Whitehead  
Manager, Quality Assurance



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK15

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVE  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: Q2  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK15  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH039498C07  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/16/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/18/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
62-75-9	N-Nitrosodimethylamine	10	U
110-86-1	Pyridine	10	U
97-63-2	Ethyl methacrylate	10	U
123-63-7	Paraldehyde	10	U
109-06-8	2-Picoline	20	U
10595-95-6	Nitrosomethylethylamine	10	U
66-27-3	Methyl methanesulfonate	10	U
108-95-2	Phenol	10	U
55-18-5	N-Nitrosodiethylamine	10	U
62-50-5	Ethyl methanesulfonate	10	U
62-53-3	Aniline	10	U
76-01-7	Pentachloroethane	10	U
111-44-4	bis(2-Chloroethyl)Ether	20	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
100-44-7	Benzyl chloride	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
108-39-4	3-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
59-89-2	N-Nitrosomorpholine	10	U
98-86-2	Acetophenone	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
636-21-5	o-Toluidine hydrochloride	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
100-75-4	N-Nitrosopiperidine	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-4

1/87 Rev.

108-70-J-----1,3,5-Trichlorobenzene	10	U
98-87-3-----Benzal chloride	10	U
65-85-0-----Benzoic Acid	100	U
111-91-1-----bis(2-Chloroethoxy)Methane	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	10	U
106-47-8-----4-Chloroaniline	10	U
87-65-0-----2,6-Dichlorophenol	20	U
95-54-5-----o-Phenylenediamine	10	U
122-09-8-----dimethylphenylethylamine	10	U
1888-71-7-----Hexachloropropene	10	U
87-68-3-----Hexachlorobutadiene	10	U
87-61-6-----1,2,3-Trichlorobenzene	10	U
98-07-7-----Benzotrichloride	20	U
924-16-3-----N-Nitroso-di-n-butylamine	10	U
59-50-7-----4-Chloro-3-Methylphenol	10	U
106-50-3-----P-Phenylenediamine	10	U
94-59-7-----Safrole	10	U
106-50-3-----m-Phenylenediamine	10	U
91-57-6-----2-Methylnaphthalene	10	U
90-12-0-----1-Methylnaphthalene	10	U
95-94-3-----1,2,4,5-Tetrachlorobenzene	10	U
634-90-2-----1,2,3,5-Tetrachlorobenzene	10	U
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	20	U
95-95-4-----2,4,5-Trichlorophenol	20	U
120-58-1-----Isosafrole	20	U
91-58-7-----2-Chloronaphthalene	10	U
90-13-1-----1-Chloronaphthalene	10	U
634-66-2-----1,2,3,4-Tetrachlorobenzene	10	U
88-74-4-----2-Nitroaniline	10	U
130-15-4-----1,4-Naphthoquinone	20	U
100-25-4-----1,4-Dinitrobenzene	20	U
131-11-3-----Dimethyl Phthalate	10	U
208-96-8-----Acenaphthylene	10	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK15

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK15  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH039498C07  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/16/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/18/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	40	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
608-93-5	Pentachlorobenzene	10	U
134-32-7	2-Naphthylamine	20	U
606-20-2	2,6-Dinitrotoluene	10	U
134-32-7	1-Naphthylamine	20	U
58-90-2	2,3,4,6-Tetrachlorophenol	20	U
84-66-2	Diethylphthalate	10	U
297-97-2	Zinophos	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
99-55-8	5-Nitro-o-toluidine	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	30	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
122-39-4	Diphenylamine	10	U
99-35-4	1,3,5-Trinitrobenzene	20	U
122-66-7	1,2-Diphenylhydrazine	10	U
62-44-2	Phenacetin	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
2303-16-4	Diallate	10	U
60-51-5	Dimethoate	10	U
118-74-1	Hexachlorobenzene	10	U
92-67-1	4-Aminobiphenyl	10	U
23950-58-5	Pronamide	10	U
87-86-5	Pentachlorophenol	20	U
82-68-8	Pentachloronitrobenzene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-2

1/87 Rev.

91-80-5-----Methapyrilene	20	U
50-18-0-----Cyclophosphamide	50	U
206-44-0-----Fluoranthene	10	U
92-87-5-----Benzidine	10	U
129-00-0-----Pyrene	10	U
140-57-8-----Aramite	20	U
60-11-7-----p-Dimethylaminoazobenzene	10	U
510-15-6-----Chlorobenzilate	10	U
119-93-7-----3,3'-Dimethylbenzidine	20	U
85-68-7-----Butylbenzylphthalate	10	U
53-96-3-----2-Acetylaminofluorane	10	U
101-14-4-----Methylene-bis(2-chloroaniline	10	U
91-94-1-----3,3'-Dichlorobenzidine	10	U
106-51-4-----3,3'-Dimethoxybenzidine	10	U
56-55-3-----Benzo(a)Anthracene	10	U
218-01-9-----Chrysene	10	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	10	U
117-84-0-----Di-n-Octyl Phthalate	10	U
205-99-2-----Benzo(b)Fluoranthene	10	U
57-97-6-----7,12-Dimethylbenzanthracene	10	U
207-08-9-----Benzo(k)Fluoranthene	10	U
50-32-8-----Benzo(a)Pyrene	10	U
56-49-5-----3-Methylcholanthrene	10	U
224-42-0-----Dibenzo(a,j)acridine	10	U
193-39-5-----Indeno(1,2,3-cd)Pyrene	10	U
53-70-3-----Dibenz(a,h)Anthracene	10	U
191-24-2-----Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK15

Lab Name: COMPUCHEM LABS Contract: (2-88)-REYS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK15  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH039498C07  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/16/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/18/90  
 GPC Cleanup: (Y/N) H pH: \_\_\_\_\_ Dilution Factor: 0.50

Number TICs found: 1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

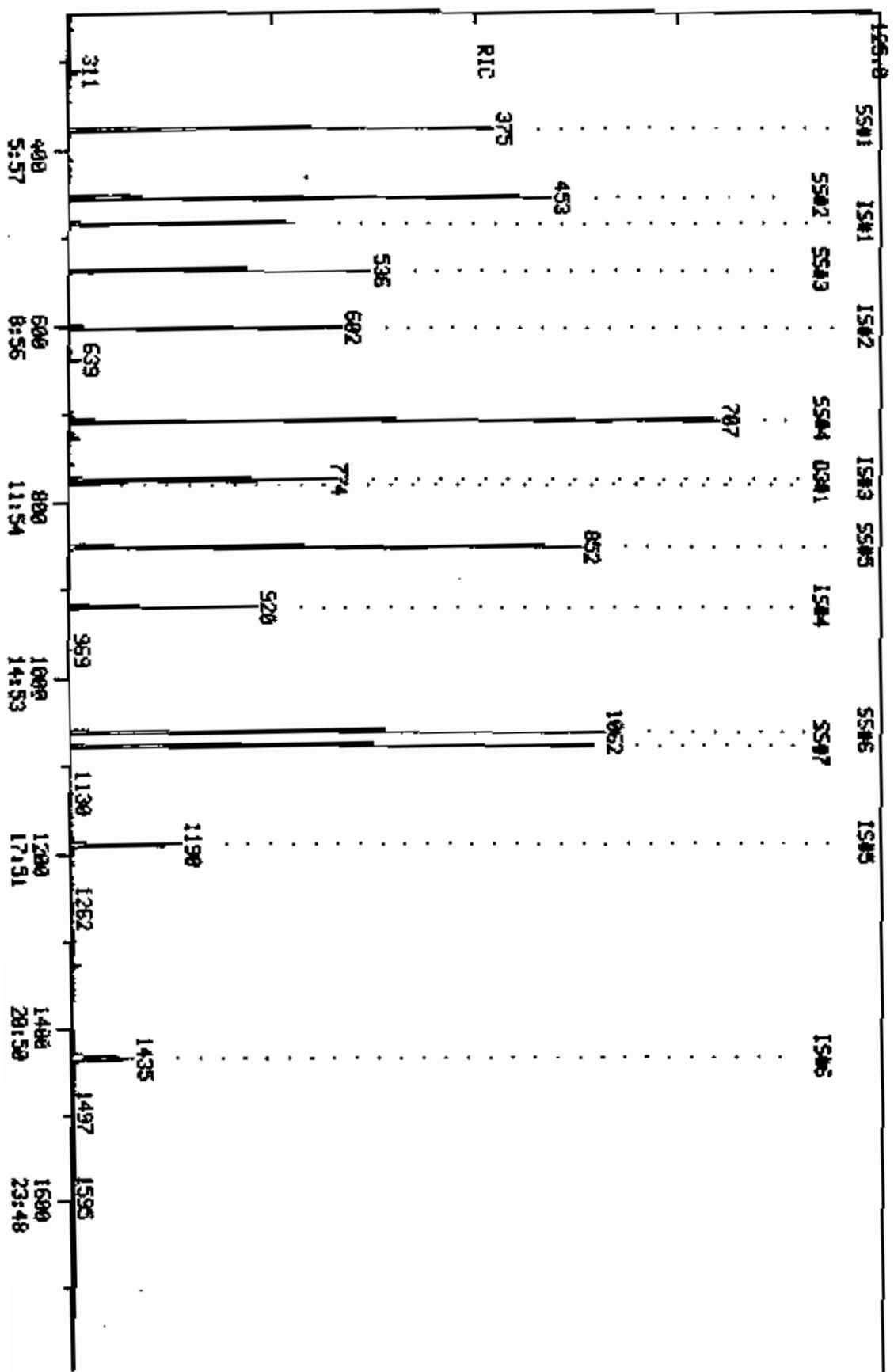
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	19.92	8.0	J

FORM I SV-TIC

1/87 Rev.

RIC  
 05/18/98 2:24:00  
 SAMPLE: 1UL DC#339498 10#SBLK15  
 COND.S.1 EXTRACTED 5/16/98 UNDILUTED

COMPUCHEN LABS  
 COMPUCHEN DATA 040339498087 SCANS 243 TO 1793  
 CS#4941005 ON 7 OUT OF 243 TO 1983



R1C  
06/18/90 2:24:00  
SAMPLE 1UL D0839498 10MSBLK15  
COND.S.: EXTRACTED 5/16/90 UNOILUTED

COMPUCHEN LABS  
COMPUCHEN DATA: 08039498087 SCANS 1793 TO 1933  
OUT OF 243 TO 1933

2173430.

1828

SCAN  
TIME

QUANTITATION REPORT FILE: QH039498C07

DATA: QH039498C07.TI

05/18/90 2:24:00 ✓

SAMPLE: 1UL CC#339498 ID#5BLK15 ✓

CS#VARIOUS ✓

GN 7

CONDS.: EXTRACTED 5/16/90 UNDILUTED

SUBMITTED BY: 7

ANALYST:

917

AMOUNT=AREA \* REF. AMNT/(REF. AREA)\* RESP. FACT)

RESP. FAC. FROM LIBRARY ENTRY

NO NAME

- 1 \*494 D4-1,4-DICHLOROBENZENE (IS#1)
- 2 441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
- 3 481 PYRIDINE (Z9#1)
- 4 509 ETHYLMETHACRYLATE (T1#4)
- 5 542 PARALDEHYDE (Z9#3)
- 6 510 2-PICOLINE (Z9#36)
- 7 535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
- 8 543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
- 9 499 N-NITROSODIETHYLAMINE (Z9#6)
- 10 514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
- 11 610 PHENOL (G1#3) <108-95-2>
- 12 473 ANILINE (G1#4) <62-53-3>
- 13 505 PENTACHLOROETHANE (Z9#8)
- 14 411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
- 15 601 2-CHLOROPHENOL (G1#6) <95-57-8>
- 16 421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
- 17 506 BENZYL CHLORIDE (Z9#9)
- 18 422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
- 19 474 BENZYL ALCOHOL (G1#9) <100-51-6>
- 20 420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
- 21 620 2-METHYLPHENOL (G1#11) <95-48-7>
- 22 412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
- 23 621 3-METHYLPHENOL (F1#2) <108-39-4>
- 24 622 4-METHYLPHENOL (G1#13) <106-44-5>
- 25 528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
- 26 544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
- 27 500 ACETOPHENONE (Z9#11)
- 28 442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
- 29 512 D-TOLUIDINE HYDROCHLORIDE (Z9#13)
- 30 436 HEXACHLOROETHANE (G1#15) <67-72-1>
- 31 \*460 DB-NAPHTHALENE (IS#2)
- 32 440 NITROBENZENE (G1#16) <98-95-3>
- 33 502 N-NITROBODIPIPERIDINE (Z9#14)
- 34 438 ISOPHORONE (G2#2) <78-99-1>
- 35 603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
- 36 606 2-NITROPHENOL (G2#3) <88-73-5>
- 37 451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
- 38 518 BENZAL CHLORIDE (Z9#16) <98-87-3>
- 39 625 BENZOIC ACID (G2#5) <65-85-0>
- 40 410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
- 41 602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
- 42 446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
- 43 439 NAPHTHALENE (G2#9) <91-20-3>
- 44 475 4-CHLORDANILINE (G2#10) <106-47-8>
- 45 631 2,6-DICHLOROPHENOL (Z9#18)
- 46 524 O-PHENYLENEDIAMINE (Z9#19) <108-43-2>



NO	NAME	NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HOHT)	AMOUNT	XTOT
47	519 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (I9017) <122-09-8>										
48	537 HEXACHLOROPROPENE (I9021) <1888-71-7>										
49	434 HEXACHLOROBUTADIENE (G2011) <87-68-3>										
50	450 1,2,3-TRICHLOROBENZENE (I9015) <87-61-6>										
51	534 BENZOTRICHLORIDE (I9023) <98-07-7>										
52	536 N-NITROSO-DI-N-BUTYLAMINE (I9024) <924-16-3>										
53	608 P-CHLORO-M-CRESOL (G2012) <99-90-7>										
54	526 P-PHENYLENEDIAMINE (I9020) <108-45-2>										
55	503 SAFROLE (I9027)										
56	525 M-PHENYLENEDIAMINE (I9026) <108-45-2>										
57	477 2-METHYLNAPHTHALENE (G2013) <91-57-6>										
58	569 1-METHYLNAPHTHALENE (I2028) <90-12-0>										
59	*495 D10-ACENAPHTHENE (I803)										
60	457 1,2,4,5-TETRACHLOROBENZENE (I9031) <95-94-3>										
61	513 1,2,3,5-TETRACHLOROBENZENE (I9029) <634-90-2>										
62	435 HEXACHLOROCYCLOPENTADIENE (G302) <77-47-4>										
63	611 2,4,6-TRICHLOROPHENOL (G303) <88-06-2>										
64	626 2,4,5-TRICHLOROPHENOL (G304) <93-95-4>										
65	527 ISOSAFROLE (I9030) <120-58-1>										
66	416 2-CHLORONAPHTHALENE (G305) <91-58-7>										
67	564 1-CHLORONAPHTHALENE (F402)										
68	456 1,2,3,4-TETRACHLOROBENZENE (I9028) <634-66-2>										
69	478 2-NITROANILINE (G306) <88-74-4>										
70	504 1,4-NAPHTHOQUINONE (I9032)										
71	491 1,4-DINITROBENZENE (F302) <100-25-4>										
72	425 DIMETHYL PHTHALATE (G307) <131-11-3>										
73	428 2,6-DINITROTOLUENE (G308) <606-20-2>										
74	402 ACENAPHTHYLENE (G308) <208-96-8>										
75	479 3-NITROANILINE (G309) <99-09-2>										
76	401 ACENAPHTHENE (G3010) <83-32-9>										
77	*605 2,4-DINITROPHENOL (G3011) <91-28-4>										
78	607 4-NITROPHENOL (G3012) <100-02-7>										
79	427 2,4-DINITROTOLUENE (G3014) <121-14-2>										
80	476 DIBENZOFURAN (G3013) <132-64-9>										
81	507 PENTACHLOROBENZENE (I9033)										
82	484 2-NAPHTHYLAMINE (I9035)										
83	483 1-NAPHTHYLAMINE (I9036)										
84	630 2,3,4,6-TETRACHLOROPHENOL (I9037)										
85	424 DIETHYL PHTHALATE (G3016) <84-66-2>										
86	519 ZINDPHOS (I9038)										
87	417 4-CHLOROPHENYL PHENYL ETHER (G3017) <7005-72-3>										
88	432 FLUORENE (G3018) <86-73-7>										
89	480 4-NITROANILINE (G3019) <100-01-6>										
90	498 5-NITRO-O-TOLUIDINE (I9034)										
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (I9039)										
92	*467 D10-PHENANTHRENE (I804)										
93	*459 D12-CHRYSENE (I805)										
94	*497 D12-PERYLENE (I806)										
95	*619 2-FLUOROPHENOL (S801)										
96	*612 D5-PHENOL (S802)										
97	4447 D5-NITROBENZENE (S803)										
98	*448 2-FLUOROBIPHENYL (S804)										
99	*628 2,4,6-TRIBROMOPHENOL (S805)										
100	*471 D10-PYRENE (S806)										
101	*496 D14-TERPHENYL (S807)										

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	ZTOT
1	152	483	7:11	1	1.000	A BB	165888.	40.000 NO	3.92
2	42	NOT FOUND							
3	79	NOT FOUND							
4	69	NOT FOUND							
5	89	NOT FOUND							
6	93	NOT FOUND							
7	88	NOT FOUND							
8	80	NOT FOUND							
9	102	NOT FOUND							
10	109	NOT FOUND							
11	94	NOT FOUND							
12	93	NOT FOUND							
13	167	NOT FOUND							
14	93	NOT FOUND							
19	128	NOT FOUND							
16	146	NOT FOUND							
17	91	NOT FOUND							
18	146	NOT FOUND							
19	108	NOT FOUND							
20	146	NOT FOUND							
21	108	NOT FOUND							
22	45	NOT FOUND							
23	108	NOT FOUND							
24	108	NOT FOUND							
25	100	NOT FOUND							
26	116	NOT FOUND							
27	105	NOT FOUND							
28	70	NOT FOUND							
29	106	NOT FOUND							
30	117	NOT FOUND							
31	136	602	8:57	31	1.000	A BB	488732.	40.000 NO	3.92
32	77	NOT FOUND							
33	114	NOT FOUND							
34	82	NOT FOUND							
35	107	NOT FOUND							
36	139	NOT FOUND							
37	180	NOT FOUND							
38	125	NOT FOUND							
39	122	NOT FOUND							
40	93	NOT FOUND							
41	162	NOT FOUND							
42	180	NOT FOUND							
43	128	NOT FOUND							
44	127	NOT FOUND							
45	162	NOT FOUND							
46	108	602	8:57	31	1.000	A BB	66712.	41.889 NO	3.68 No
47	91	NOT FOUND							
48	213	NOT FOUND							
49	225	NOT FOUND							
50	180	NOT FOUND							
51	159	NOT FOUND							
52	84	NOT FOUND							
53	107	NOT FOUND							
54	108	NOT FOUND							
55	162	NOT FOUND							
56	108	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	ZTOT
57	142	NOT FOUND							
58	142	NOT FOUND							
59	164	774	11:31	59	1.000	A BB	259292.	40.000 NO	3.52
60	216	NOT FOUND							
61	216	NOT FOUND							
62	237	NOT FOUND							
63	196	NOT FOUND							
64	196	NOT FOUND							
65	162	NOT FOUND							
66	162	NOT FOUND							
67	162	NOT FOUND							
68	216	NOT FOUND							
69	65	NOT FOUND							
70	158	NOT FOUND							
71	168	NOT FOUND							
72	163	NOT FOUND							
73	165	736	11:15	59	0.977	A BB	3828.	1.770 NO	0.16 NO
74	152	NOT FOUND							
75	138	NOT FOUND							
76	153	NOT FOUND							
77	184	NOT FOUND							
78	109	NOT FOUND							
79	165	NOT FOUND							
80	168	NOT FOUND							
81	250	NOT FOUND							
82	143	NOT FOUND							
83	143	NOT FOUND							
84	232	NOT FOUND							
85	149	NOT FOUND							
86	97	NOT FOUND							
87	204	NOT FOUND							
88	166	NOT FOUND							
89	138	NOT FOUND							
90	152	NOT FOUND							
91	77	NOT FOUND							
92	188	920	13:41	92	1.000	A BB	347152.	40.000 NO	3.52
93	240	1190	17:42	93	1.000	A BB	239652.	40.000 NO	3.52
94	264	1435	21:21	94	1.000	A BB	260116.	40.000 NO	3.52
95	112	375	5:35	1	0.776	A BV	678272.	125.115 NO	10.99
96	99	453	6:44	1	0.938	A BB	674680.	110.218 NO	9.69
97	82	536	7:58	31	0.890	A BB	368700.	65.401 NO	5.75
98	172	707	10:31	59	0.913	A BB	734744.	87.001 NO	7.65
99	330	852	12:40	59	1.101	A BB	234024.	234.823 NO	20.64
100	212	1062	15:48	93	0.892	A BV	846328.	112.691 NO	9.50
101	244	1077	16:01	93	0.905	A BB	768036.	119.184 NO	10.47

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:52		10.000			50.00		0.632	✓
3	3:52		10.000			50.00		1.218	
4	4:28		10.000			50.00		1.061	
5	4:29		10.000			50.00		0.268	
6	4:51		20.000			50.00		1.218	
7	5:03		10.000			200.00		0.277	
8	5:25		10.000			50.00		0.838	
9	5:54		10.000			50.00		0.628	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:17		10.000			50.00		0.687	
11	6:47		10.000			50.00		1.825	
12	6:50		10.000			50.00		2.076	
13	6:50		10.000			50.00		0.389	
14	6:53		20.000			50.00		1.388	
15	6:59		10.000			50.00		1.508	
16	7:10		10.000			50.00		1.602	
17	7:15		10.000			50.00		2.729	
18	7:14		10.000			50.00		1.828	
19	7:24		10.000			50.00		0.805	
20	7:29		10.000			50.00		1.505	
21	7:34		10.000			50.00		1.217	
22	7:38		10.000			50.00		1.073	
23	7:46		10.000			100.00		1.335	
24	7:46		10.000			100.00		1.335	
25	7:47		10.000			50.00		0.682	
26	7:48		10.000			50.00		0.363	
27	7:47		10.000			50.00		2.018	
28	7:49		10.000			50.00		0.988	
29	7:50		10.000			50.00		1.293	
30	7:55		10.000			50.00		0.766	
31	8:59	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	8:01		10.000			50.00		0.482	
33	8:14		10.000			50.00		0.212	
34	8:21		10.000			50.00		0.889	
35	8:30		10.000			50.00		0.498	
36	8:28		10.000			50.00		0.283	
37	8:29		10.000			50.00		0.426	
38	8:31		10.000			50.00		0.769	
39	8:37		100.000			50.00		0.218	
40	8:39		10.000			50.00		0.467	
41	8:47		10.000			50.00		0.318	
42	8:55		10.000			50.00		0.373	
43	9:01		10.000			50.00		1.223	
44	9:06		10.000			50.00		0.499	
45	9:07		20.000			50.00		0.364	
46	8:59	1.00	10.000	0.10	41.89	50.00	0.109	0.130	0.84
47	9:16		10.000			50.00		0.078	
48	9:11		10.000			50.00		0.231	
49	9:19		10.000			50.00		0.222	
50	9:16		10.000			50.00		0.376	
51	9:21		20.000			50.00		0.469	
52	9:36		10.000			50.00		0.161	
53	9:46		10.000			50.00		0.413	
54	9:46		10.000			50.00		0.033	
55	9:53		10.000			50.00		0.281	
56	9:53		10.000			50.00		0.001	
57	10:00		10.000			50.00		1.003	
58	10:10		10.000			50.00		0.324	
59	11:33	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:18		10.000			100.00		0.643	
61	10:18		10.000			100.00		0.643	
62	10:19		10.000			50.00		0.326	
63	10:26		20.000			50.00		0.425	
64	10:29		20.000			50.00		0.385	
65	10:36		20.000			50.00		0.489	

ND	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:43		10.000			50.00		1.638	
67	10:49		10.000			50.00		0.926	
68	10:44		10.000			50.00		0.630	
69	10:53		10.000			50.00		0.404	
70	10:58		20.000			50.00		0.456	
71	11:03		20.000			50.00		0.250	
72	11:11		10.000			50.00		1.398	
73	11:17	1.00	10.000	0.10	1.77	50.00	0.012	0.334	0.04
74	11:20		10.000			50.00		1.851	
75	11:29		20.000			50.00		0.370	
76	11:36		10.000			50.00		1.264	
77	11:38		40.000			50.00		0.171	
78	11:42		10.000			50.00		0.204	
79	11:51		10.000			50.00		0.504	
80	11:50		10.000			50.00		1.640	
81	11:51		10.000			50.00		0.535	
82	11:57		20.000			50.00		0.664	
83	12:03		20.000			50.00		0.732	
84	12:03		20.000			50.00		0.277	
85	12:13		10.000			50.00		1.570	
86	12:21		10.000			50.00		0.407	
87	12:19		10.000			50.00		0.369	
88	12:20		10.000			50.00		1.452	
89	12:23		20.000			50.00		0.366	
90	12:23		20.000			50.00		0.404	
91	12:33		10.000			50.00		1.944	
92	13:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:45	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:24	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:36	0.99	0.742	1.05	125.12	50.00	3.271	1.307	2.50
96	6:46	1.00	0.948	0.99	110.22	50.00	3.254	1.476	2.20
97	8:00	1.00	0.875	1.02	63.40	50.00	0.604	0.461	1.31
98	10:33	1.00	0.906	1.01	87.00	30.00	2.267	1.303	1.74
99	12:42	1.00	1.118	0.98	234.82	50.00	0.722	0.154	4.70
100	15:50	1.00	10.000	0.09	112.69	50.00	2.825	1.254	2.25
101	16:02	1.00	0.907	1.00	119.18	50.00	2.564	1.076	2.38

## QUANTITATION REPORT FILE: QH039498C07

DATA: QH039498C07.TJ

05/18/90 2:24:00

SAMPLE: 1UL CC#J39498 ID#SBLK15

CS#VARIOUS

ON 7

CONDS.: EXTRACTED 5/16/90 UNDILUTED

SUBMITTED BY: 7

ANALYST:

917

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

NO	NAME
1	*467 D10-PHENANTHRENE (I804)
2	604 4,6-DINITRO-2-METHYLPHENOL (Q402) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (Q403) <86-30-6>
4	567 DIPHENYLAMINE (F303)
5	508 1,3,5-TRINITROBENZENE (Z9041)
6	539 PHENACETIN (Z9042) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (Q404) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9044)
10	433 HEXACHLOROBENZENE (Q405) <118-74-1>
11	485 4-AMINODIPHENYL (Z9045)
12	522 PRONAMIDE (Z9046)
13	609 FENTACHLOROPHENOL (Q406) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9047)
15	444 PHENANTHRENE (Q407) <85-01-8>
16	403 ANTHRACENE (Q408) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (Q409) <84-74-2>
18	516 METHAPYRILENE (Z9048)
19	549 CYCLOPHOSPHAMIDE (Z9049)
20	431 FLUORANTHENE (Q410) <206-44-0>
21	*459 D12-CHRYSENE (I805)
22	404 BENZIDINE (Q502) <92-87-9>
23	445 PYRENE (Q503) <129-00-0>
24	530 ARAMITE (Z9050) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9051)
26	523 CHLOROBENZILATE (Z9052)
27	545 3,3'-DIMETHYLBENZIDINE (Z9053)
28	415 BUTYLBENZYL PHTHALATE (Q504) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F502)
30	489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (Z9054)
31	423 3,3'-DICHLOROBENZIDINE (Q505) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9057)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q507) <117-81-7>
34	405 BENZO(A)ANTHRACENE (Q506) <56-55-3>
35	418 CHRYSENE (Q508) <218-01-9>
36	*497 D12-PERYLENE (I806)
37	429 DI-N-OCTYL PHTHALATE (Q602) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (Q603) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9055)
40	409 BENZO(K)FLUORANTHENE (Q604) <207-08-9>
41	406 BENZO(A)PYRENE (Q605) <50-32-6>
42	565 3-METHYLCHLORANTHRENE (F602)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (B606) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (Q607) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (Q608) <191-24-2>

NO NAME  
 47 576 DIALATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	ZTOT
1	188	920	13:41	1	1.000	A BB	347152.	40.000 NG	33.34
2	198	NOT FOUND							
3	169	NOT FOUND							
4	169	NOT FOUND							
5	213	NOT FOUND							
6	108	NOT FOUND							
7	248	NOT FOUND							
8	234	NOT FOUND							
9	125	NOT FOUND							
10	284	NOT FOUND							
11	169	NOT FOUND							
12	173	NOT FOUND							
13	266	NOT FOUND							
14	237	NOT FOUND							
15	178	NOT FOUND							
16	178	NOT FOUND							
17	149	NOT FOUND							
18	97	NOT FOUND							
19	211	NOT FOUND							
20	202	NOT FOUND							
21	240	1190	17:42	21	1.000	A BB	239692.	40.000 NG	33.34
22	184	NOT FOUND							
23	202	NOT FOUND							
24	185	NOT FOUND							
25	225	NOT FOUND							
26	139	NOT FOUND							
27	212	NOT FOUND							
28	149	NOT FOUND							
29	181	NOT FOUND							
30	231	NOT FOUND							
31	252	NOT FOUND							
32	244	NOT FOUND							
33	149	NOT FOUND							
34	228	NOT FOUND							
35	228	NOT FOUND							
36	264	1435	21:21	36	1.000	A BB	260116.	40.000 NG.	33.34
37	149	NOT FOUND							
38	252	NOT FOUND							
39	256	NOT FOUND							
40	252	NOT FOUND							
41	252	NOT FOUND							
42	268	NOT FOUND							
43	279	NOT FOUND							
44	276	NOT FOUND							
45	278	NOT FOUND							
46	276	NOT FOUND							
47	234	NOT FOUND							

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:27		30.000			50.00		0.163	✓
3	12:30		10.000			100.00		0.772	
4	12:30		10.000			100.00		0.772	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:56		20.000			50.00		0.101	
6	12:58		10.000			50.00		0.485	
7	13:02		10.000			50.00		0.233	
8	13:05		10.000			25.00		0.171	
9	13:14		10.000			50.00		0.168	
10	13:15		10.000			50.00		0.291	
11	13:25		10.000			50.00		0.608	
12	13:32		10.000			50.00		0.397	
13	13:30		20.000			50.00		0.191	
14	13:38		10.000			50.00		0.104	
15	13:45		10.000			50.00		1.312	
16	13:49		10.000			50.00		1.158	
17	14:35		10.000			50.00		1.644	
18	15:02		20.000			50.00		0.284	
19	15:20		50.000			200.00		0.048	
20	15:31		10.000			50.00		1.074	
21	17:49	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:41		10.000			50.00		0.157	
23	15:51		10.000			50.00		1.451	
24	16:00		20.000			50.00		0.132	
25	16:16		10.000			50.00		0.248	
26	16:20		10.000			50.00		0.766	
27	16:45		20.000			50.00		0.490	
28	16:47		10.000			50.00		0.889	
29	17:10		10.000			50.00		0.540	
30	17:38		10.000			50.00		0.209	
31	17:39		10.000			50.00		0.300	
32	17:36		10.000			50.00		0.162	
33	17:44		10.000			50.00		1.361	
34	17:43		10.000			50.00		1.251	
35	17:47		10.000			50.00		0.961	
36	21:24	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	19:02		10.000			50.00		2.016	
38	20:14		10.000			50.00		1.241	
39	20:16		10.000			50.00		0.421	
40	20:17		10.000			50.00		0.433	
41	21:14		10.000			50.00		0.976	
42	22:33		10.000			50.00		0.614	
43	24:58		10.000			50.00		0.939	
44	25:50		10.000			50.00		1.295	
45	25:57		10.000			50.00		1.078	
46	27:12		10.000			50.00		1.020	
47	13:05		10.000			25.00		0.171	



CONRUDEN LABS, INC.

05/18/98 2:24:00 + 19:45  
SAMPLE 1UL C03339498 10858LK15  
DN05.1 EXTRACTED 5/16/98 UNDILUTED

CSMARTIOUS

NID LIBRARY SEARCH  
DATA: C03339498087 01328  
EXPANDED (100 ZN 0T)  
DN 7

BASE N/2: 69  
R1C1: 18687.

SAMPLE

1898

C16.H25.M  
1898

3,7,11-TRIDECATRINENTRILE, 4,8,12-TRIMETHYL- & CISA 6895-01-5

M MT 231  
R PK 69  
R0PK 1  
# 21279  
PUR 701

C20.H36.0  
1898

6,10,14-HEXADECATRIN-1-OL, 3,7,11,15-TETRAMETHYL & CISA 35237-65-0

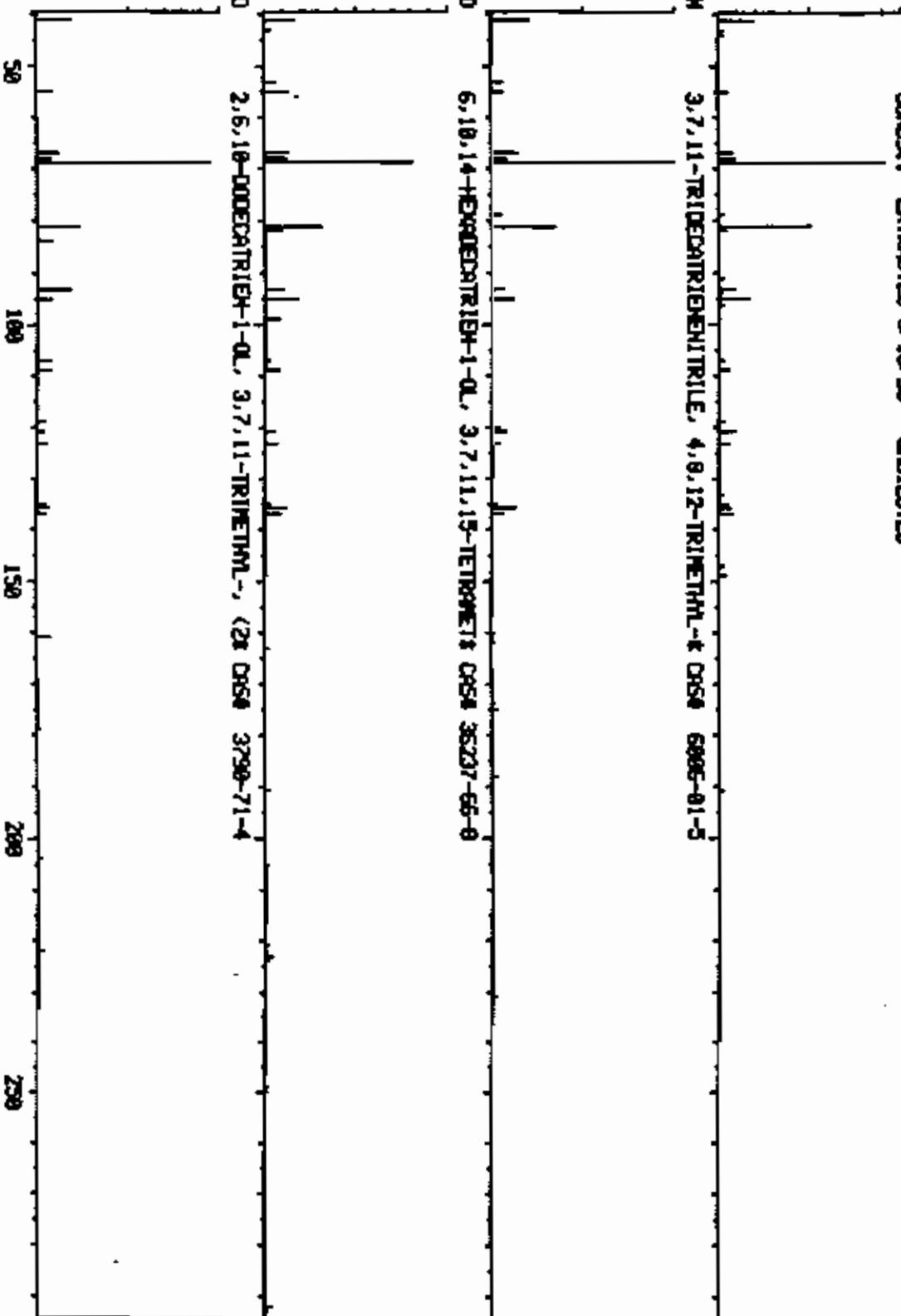
M MT 297  
R PK 69  
R0PK 2  
# 28443  
PUR 697

C15.H26.0  
1898

2,6,10-DODECATRIN-1-OL, 3,7,11-TRIMETHYL-, (2R) CISA 3790-71-4

M MT 222  
R PK 69  
R0PK 3  
# 19926  
PUR 685

N/2



LAB INSTRUCTIONS:

CASE#: VARIOUS

DUE DATE:

GC/MS WORKSHEET

COMPUCHEM#: 339498

J[ ] R[ ] D[ ] ( : )

J2[ ] R2[ ] D2[ ] ( : )

SEMI-VDA + L.S. 3rd Ed SW-846, METHOD 8270  
S-V EXTRACTION, EPA/METHOD 3510  
LOW LEVEL LIQUID

Sample Prep Code---079  
Instrument Code---280  
Compound List-----379  
Surrogate Std-----393  
Internal Std-----035

15 PEAK LIBRARY SEARCH REQUIRED

BASE:

EPAS: SBKIS

GC/MS ANALYSIS  
Volumes mixed: BN 200 ul Acid 5.0 ul  
Internal Standard Volume Added 5.0 ul  
Mixed Sample Volume Injected 1.0 ul  
Date of Sample Bottle Analyzed 5/16/90  
JFTFP Filename DF900517.R07 Disk ( )  
Standard Filename HC-900517.R07 Disk ( )  
Sample Filename GH039498C07 Disk ( )

MAY 12 1990

ANALYST(S): Injection 9/7 SM

Work-up 9/7

GC/MS REVIEW

CONDITION CODE

OK

Entry Codes OK, EA, JA, ES, AL, AH, PL, PH, FL, JS  
FH, NL, NH, YL, SL, SH, SM, YH

Non-Entry Codes IM, IL, IH, SU, CT, CS, PC, DT, NS  
ED, IF, LA, DI, CO, RM, DW, DA

couple 5/18/90

Extraneous Peak Search Results:

# of Peaks Found: 1

# of Hits: 0

# of Surrogate Outliers: 0

- Disposition:  Complete
- Reinjection required
- Reextraction required
- Dilute ( : )
- Reinject Neat
- Send to QA

Quality Assurance Notice(s):

# Notices Required 1

GC/MS Review L. Smith Date 5/18/90 Auditor SM Date 5/18/90

REPORT INTEGRATION

Final Reportable Package(s): GH039498C07

Total # of Injections: \_\_\_\_\_

QA COMMENTS:

Initials \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

FINAL REVIEW:

Initials \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

AC516 (05/87)

ASSIGNED TO: *Carla A. Healy*  
*Environmental Services*

**EXTRACTION WORKSHEET**  
 Semi-volatiles/coliformous  
 CompuChem Laboratories Inc

DATE ASSIGNED 5/16/95

EMP ID NUMBER 1787

QUEUE 127

SAMPLE NUMBER	PREP CODE	CASE #	CLIENT #	TYPE	OR SAMPLE		BOTTLE #	SAMPLE VOLUME (ml)	FINAL EXTRACT VOLUME			COMMENTS	
					NO.	ORIG NO.			SV	ACID	ADJUSTED		
1	3372AK-079	10/24	2400/02					500	.5	-	13	1	Use 500ul sample volume for 500 only <i>RT</i>
2	3372AK	↓	2400/04					500	.5	-	13	1	ADD 0.5ul amt. ADD 0.5ul spike.
3	3356AK	1968	2050 51000					500	.5	-	13	1	Comp. in 0.5ul final volume <i>add 0.5ul</i> and <i>add 0.5ul spike</i>
4													
5													
6													
7													
8													
9													
10													
11													
12													
13	339998		SBLK 15	81				500	.5	-	13	1	

SUBBOAT	NO.	S-VOL	ACID	BN	OTHER	OTHER	Spike
		393					valid spike
		0.5ul					
		31972					
				3012	2021		

ISSUED BY: \_\_\_\_\_

SURROGATE & SPIKE ADDED CORRECTLY

5/10/95  
*Carla A. Healy*  
 SUPERVISOR REVIEWED  
 5/16/95  
*[Signature]*  
 EXTRACTS RECEIVED BY  
 5/16/95  
*[Signature]*  
 DATE

COMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
474	152 I	D4-1,4-DICHLOROBENZENE (I80)	483	166000	40.0		
441	42	N-NITROSODIMETHYLAMINE (Q10)				BDL	10
481	77	PYRIDINE (Z901)				BDL	10
307	67	ETHYL METHACRYLATE (T104)				BDL	10
342	89	FORMALDEHYDE (Z903)				BDL	10
310	93	2-PICOLINE (Z905)				BDL	20
333	88	NITROBOMETHYLETHYLAMINE (Z9				BDL	10
343	80	METHYL METHANE SULFONATE (Z				BDL	10
477	102	N-NITROSODIETHYLAMINE (Z906				BDL	10
314	107	ETHYL METHANESULFONATE (Z90				BDL	10
610	94	PHENOL (Q103)				BDL	10
473	93	ANILINE (Q104)				BDL	10
303	167	PENTACHLOROETHANE (Z908)				BDL	10
411	93	BIS(2-CHLOROETHYL)ETHER (Q1				BDL	20
601	128	2-CHLOROPHENOL (Q106)				BDL	10
421	146	1,3-DICHLOROBENZENE (Q107)				BDL	10
306	91	BENZYL CHLORIDE (Z909)				BDL	10
422	146	1,4-DICHLOROBENZENE (Q108)				BDL	10
474	108	BENZYL ALCOHOL (Q109)				BDL	10
420	146	1,2-DICHLOROBENZENE (Q1010)				BDL	10
620	108	2-METHYLPHENOL (Q1011)				BDL	10
412	43	BIS(2-CHLOROISOPROPYL)ETHER				BDL	10
621	108	3-METHYLPHENOL (F102)				BDL	10
622	108	4-METHYLPHENOL (Q1013)				BDL	10
328	100	N-NITROSPYRROLIDINE (Z9010)				BDL	10
344	116	N-NITROSPORPHOLINE (Z9012)				BDL	10
300	109	ACETOPHENONE (Z9011)				BDL	10
442	70	N-NITROSO-DI-N-PROPYLAMINE				BDL	10
312	106	O-TOLUIDINE HYDROCHLORIDE (				BDL	10
436	117	HEXACHLOROETHANE (Q1015)				BDL	10
460	136 I	D8-NAPHTHALENE (I802)	602	489000	40.0		
440	77	NITROBENZENE (Q1016)				BDL	10
302	114	N-NITROSODIPYPERIDINE (Z901				BDL	10
438	82	ISOPHORONE (Q202)				BDL	10
603	107	2,4-DIMETHYLPHENOL (Q204)				BDL	10
606	139	2-NITROPHENOL (Q203)				BDL	10
431	180	1,3,5-TRICHLOROBENZENE (Z90				BDL	10
318	123	BENZAL CHLORIDE (Z9016)				BDL	10
620	122	BENZOIC ACID (Q205)				BDL	100
410	93	BIS(2-CHLOROETHOXY)METHANE				BDL	10
602	162	2,4-DICHLOROPHENOL (Q207)				BDL	10
446	180	1,2,4-TRICHLOROBENZENE (Q20				BDL	10
437	128	NAPHTHALENE (Q209)				BDL	10

CORRECTED/REVIEWED BY

S. A. Hunt  
(GC/MS DATA REVIEWER)

DATE

5-18-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
475	127	4-CHLOROANILINE (G2#10)				BDL	10
631	162	2,6-DICHLOROPHENOL (Z9#18)				BDL	20
524	108	O-PHENYLENEDIAMINE (Z9#19)			31.9	AE BDL	10
515	91	ALPHA, ALPHA DIMETHYLPHENETH				BDL	10
537	213	HEXACHLOROPROPENE (Z9#21)				BDL	10
434	225	HEXACHLOROBUTADIENE (G2#11)				BDL	10
450	180	1,2,3-TRICHLOROBENZENE (Z9#				BDL	10
534	199	BENZOTRICHLORIDE (Z9#23)				BDL	20
536	84	N-NITROSO-DI-N-BUTYLAMINE (				BDL	10
608	107	P-CHLORO-M-CRESOL (G2#12)				BDL	10
526	108	P-PHENYLENEDIAMINE (Z9#20)				BDL	10
503	162	SAFROLE (Z9#27)				BDL	10
525	108	M-PHENYLENEDIAMINE (Z9#26)				BDL	10
477	142	2-METHYLNAPHTHALENE (G2#13)				BDL	10
569	142	1-METHYLNAPHTHALENE (T2#28)				BDL	10
495	164	1010-ACENAPHTHENE (I8#3)	774	259000	40.0		
497	216	1,2,4,5-TETRACHLOROBENZENE				BDL	10
513	216	1,2,3,5-TETRACHLOROBENZENE				BDL	10
435	237	HEXACHLOROCYCLOPENTADIENE (				BDL	10
611	196	2,4,6-TRICHLOROPHENOL (G3#3				BDL	20
626	196	2,4,5-TRICHLOROPHENOL (G3#4				BDL	20
527	162	ISOSAFROLE (Z9#30)				BDL	20
416	162	2-CHLORONAPHTHALENE (G3#5)				BDL	10
564	162	1-CHLORONAPHTHALENE (F4#2)				BDL	10
456	216	1,2,3,4-TETRACHLOROBENZENE				BDL	10
478	65	2-NITROANILINE (G3#6)				BDL	10
504	158	1,4-NAPHTHOQUINONE (Z9#32)				BDL	20
491	168	1,4-DINITROBENZENE (F3#2)				BDL	20
425	163	DIMETHYL PHTHALATE (G3#7)				BDL	10
428	165	2,6-DINITROTOLUENE (G3#15)			1.8	20 BDL	10
402	152	ACENAPHTHYLENE (G3#8)				BDL	10
479	138	3-NITROANILINE (G3#9)				BDL	20
401	133	ACENAPHTHENE (G3#10)				BDL	10
605	184	2,4-DINITROPHENOL (G3#11)				BDL	40
607	109	4-NITROPHENOL (G3#12)				BDL	10
427	169	2,4-DINITROTOLUENE (G3#14)				BDL	10
476	168	DIBENZOFURAN (G3#13)				BDL	10
507	250	PENTACHLOROBENZENE (Z9#33)				BDL	10
484	143	2-NAPHTHYLAMINE (Z9#35)				BDL	20
483	143	1-NAPHTHYLAMINE (Z9#36)				BDL	20
630	232	2,3,4,6-TETRACHLOROPHENOL (				BDL	20
424	149	DIETHYL PHTHALATE (G3#16)				BDL	10
519	97	ZINOPHOS (Z9#38)				BDL	10

CORRECTED/REVIEWED BY

L. Hunt  
(GC/MS DATA REVIEWER)

DATE

5-18-8

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
417	204	4-CHLOROPHENYL PHENYL ETHER				BDL	10
432	166	FLUORENE (83818)				BDL	10
480	138	4-NITROANILINE (83819)				BDL	20
498	182	5-NITRO-O-TOLUIDINE (29834)				BDL	20
430	77	1,2-DIPHENYLHYDRAZINE (A108)				BDL	10
467	188 I	D10-PHENANTHRENE (1884)	920	347000	40.0		
459	240 I	D12-CHRYSENE (1889)	1190	240000	40.0		
497	264 I	D12-PERYLENE (1886)	1435	260000	40.0		
619	112 S	2-FLUOROPHENOL (8881)			129.0	62. X	
612	99 S	D3-PHENOL (8882)			110.0	55. X	
447	82 S	D5-NITROBENZENE (8883)			65.4	65. X	
448	172 S	2-FLUOROBIPHENYL (8884)			87.0	87. X	
628	329 S	2,4,6-TRIBROMOPHENOL (8885)			235.0	117. X	
471	212 S	D10-PYRENE (8886)			113.0	113. X	
496	244 S	D14-TERPHENYL (8887)			119.0	119. X	
CHECKSUMS:							
14269.			5404	1761000.	1138.1		44.

CORRECTED/REVIEWED BY

L. Hand  
(QC/MS DATA REVIEWER)

DATE

5/8-90

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	Z ++ RECOVERY	CONTROL RANGE	P
95	619	2-FLUOROPHENOL (SS#1)	129.0	200.0	62.	21-100	X
96	612	D5-PHENOL (SS#2)	110.0	200.0	55.	10-94	X
97	447	D5-NITROBENZENE (SS#3)	63.4	100.0	65.	35-114	X
98	448	2-FLUOROBIPHENYL (SS#4)	87.0	100.0	87.	43-116	X
99	628	2,4,6-TRIBROMOPHENOL (SS#5)	235.0	200.0	117.	10-123	X
*1	471	D10-PYRENE (SS#6)	113.0	100.0	113.	40-130*	X
*1	496	D14-TERPHENYL (SS#7)	119.0	100.0	119.	33-141	X

\* ADVISORY SURROGATE ONLY

++ Z RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 X

CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \frac{\text{DILUTION FACTOR}}{2} =$$

$$\frac{1000 \text{ ML}}{500 \text{ ML}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{1000 \text{ UL}}{\text{VOLUME SURROGATE ADDED (UL)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \frac{\text{DILUTION FACTOR}}{2} =$$

$$\frac{1000 \text{ UL}}{500 \text{ UL}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 9

CORRECTED/REVIEWED BY

*S. Hemel*  
(QC/MS DATA REVIEWER)

DATE

5-18-90

OMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
467	188	I D10-PHENANTHRENE (I804)	720	347000	40.0		
604	198	4,6-DINITRO-2-METHYLPHENOL				BDL	3
443	169	N-NITROSODIPHENYLAMINE (G40)				BDL	10
367	169	DIPHENYLAMINE (F303)				BDL	10
308	213	1,3,5-TRINITROBENZENE (Z904)				BDL	20
539	108	PHENACETIN (Z9042)				BDL	10
414	248	4-BROMOPHENYL PHENYL ETHER				BDL	10
577	234	DIALATE (TRANS ISOMER)				BDL	10
541	125	DIMETHOATE (Z9044)				BDL	10
433	284	HEXACHLOROBENZENE (G405)				BDL	10
485	169	4-AMINOBIIPHENYL (Z9045)				BDL	10
522	173	PRONAMIDE (Z9046)				BDL	10
609	266	PENTACHLOROPHENOL (G406)				BDL	20
433	237	PENTACHLORONITROBENZENE (Z9047)				BDL	10
444	178	PHENANTHRENE (G407)				BDL	10
403	178	ANTHRACENE (G408)				BDL	10
426	149	DI-N-BUTYL PHTHALATE (G409)				BDL	10
516	97	METHAPYRILENE (Z9048)				BDL	20
549	211	CYCLOPHOSPHAMIDE (Z9049)				BDL	50
431	202	FLUORANTHENE (G410)				BDL	10
459	240	I D12-CHRYSENE (I805)	1190	240000	40.0		
404	184	BENZIDINE (G502)				BDL	10
445	202	PYRENE (G503)				BDL	10
530	185	ARAMITE (Z9050)				BDL	20
487	225	P-DIMETHYLAMINOAZOBENZENE (CHLOROBENZILATE (Z9052)				BDL	10
523	139	3,3'-DIMETHYLBENZIDINE (Z9051)				BDL	10
545	212	3,3'-DIMETHYLBENZIDINE (Z9052)				BDL	20
415	149	BUTYLBENZYL PHTHALATE (G504)				BDL	10
488	181	2-ACETYLAMINO FLUORENE (F90)				BDL	10
489	231	4,4'-METHYLENE-BIS(2-CHLORO				BDL	10
423	252	3,3'-DICHLOROBENZIDINE (G50)				BDL	10
533	244	DIMETHOXYBENZIDINE (Z9057)				BDL	10
413	149	BIS(2-ETHYLHEXYL) PHTHALATE				BDL	10
405	228	BENZO(A)ANTHRACENE (G506)				BDL	10
418	228	CHRYSENE (G508)				BDL	10
497	264	I D12-PERYLENE (I806)	1435	260000	40.0		
429	149	DI-N-OCTYL PHTHALATE (G602)				BDL	10
407	292	BENZO(B)FLUORANTHENE (G603)				BDL	10
517	296	7,12-DIMETHYLBENZANTHRACENE				BDL	10
409	292	BENZO(K)FLUORANTHENE (G604)				BDL	10
406	292	BENZO(A)PYRENE (G605)				BDL	10
565	268	3-METHYLCHLORANTHRENE (F602)				BDL	10
566	279	DIBENZO(A, J)ACRIDINE				BDL	10

CORRECTED/REVIEWED BY

J. Hunt  
(GC/MS DATA REVIEWER)

DATE

5-18-90



CHP	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
437	276	INDENO(1,2,3-C,D)PYRENE (G6				BDL	1
419	278	DIBENZO(A,H)ANTHRACENE (G6@				BDL	1
408	276	BENZO(G,H,I)PERYLENE (G6#B)				BDL	1
576	234	DIALATE (CIS ISOMER)				BDL	1
531	234	DIALATE (TOTAL)				BDL	1
CHECKSUMS:							
	10115.		3545	847000.		120.0	0.

CORRECTED/REVIEWED BY

*L. H. Smith*  
(GC/MS DATA REVIEWER)

DATE

*5-18-80*

CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{1000. \text{ ML}}{500. \text{ ML}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 9

CORRECTED/REVIEWED BY

S. Heind  
(QC/MS DATA REVIEWER)

DATE

5-18-94



#### QUALITY ASSURANCE NOTICE

Surrogate standards are added to all samples being processed for organic analyses. These standards contain one or more compounds intended to analytically mimic the responses or recoveries of the target compounds of interest. The recovery of the surrogate compound is compared to a control limit range to determine whether or not the laboratory's analytical system was in control at the time of sample processing.

In most cases, these control limits have been mandated by a referenced method or statement-of-work (the Contract Laboratory Program, for example). For some methods, however, the surrogate control limit range has not been established. In such instances, the laboratory has generated "advisory" ranges based on method validation studies performed internally and initial experience with the method on "real world" samples. These ranges are used to guide the analyst in evaluating the data. Statistically-based control limits, which will be used to determine whether or not a particular analysis must be repeated, will be generated as soon as sufficient historical data is accumulated.

A handwritten signature in cursive script, reading "Robert J. Whitehead".

Robert J. Whitehead  
Manager, Quality Assurance

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK31

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK31  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GJ040130A06  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/17/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/18/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
62-75-9	N-Nitrosodimethylamine	10	U
110-86-1	Pyridine	10	U
97-63-2	Ethyl methacrylate	10	U
123-63-7	Paraldehyde	10	U
109-06-8	2-Picoline	20	U
10595-95-6	Nitrosomethylethylamine	10	U
66-27-3	Methyl methanesulfonate	10	U
108-95-2	Phenol	10	U
55-18-5	N-Nitrosodiethylamine	10	U
62-50-5	Ethyl methanesulfonate	10	U
62-53-3	Aniline	10	U
76-01-7	Pentachloroethane	10	U
111-44-4	bis(2-Chloroethyl)Ether	20	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
100-44-7	Benzyl chloride	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
108-39-4	3-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
59-89-2	N-Nitrosomorpholine	10	U
98-86-2	Acetophenone	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
636-21-5	o-Toluidine hydrochloride	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
100-75-4	N-Nitrosopiperidine	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-4

1/87 Rev.

108-70-3	1,3,5-Trichlorobenzene	10	U
98-87-3	Benzal chloride	10	U
65-85-0	Benzoic Acid	100	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-65-0	2,6-Dichlorophenol	20	U
95-54-5	o-Phenylenediamine	10	U
122-09-8	dimethylphenylethylamine	10	U
1888-71-7	Hexachloropropene	10	U
87-68-3	Hexachlorobutadiene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
98-07-7	Benzotrichloride	20	U
924-16-3	N-Nitroso-di-n-butylamine	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
106-50-3	p-Phenylenediamine	10	U
94-59-7	Safrole	10	U
106-50-3	m-Phenylenediamine	10	U
91-57-6	2-Methylnaphthalene	10	U
90-12-0	1-Methylnaphthalene	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
634-90-2	1,2,3,5-Tetrachlorobenzene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	20	U
95-95-4	2,4,5-Trichlorophenol	20	U
120-58-1	Isosafrole	20	U
91-58-7	2-Chloronaphthalene	10	U
90-13-1	1-Chloronaphthalene	10	U
634-66-2	1,2,3,4-Tetrachlorobenzene	10	U
88-74-4	2-Nitroaniline	10	U
130-15-4	1,4-Naphthoquinone	20	U
100-25-4	1,4-Dinitrobenzene	20	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK31

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK31  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GJ040130A06  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/17/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/18/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2-----	3-Nitroaniline	20	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	40	U
100-02-7-----	4-Nitrophenol	10	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
608-93-5-----	Pentachlorobenzene	10	U
134-32-7-----	2-Naphthylamine	20	U
606-20-2-----	2,6-Dinitrotoluene	10	U
134-32-7-----	1-Naphthylamine	20	U
58-90-2-----	2,3,4,6-Tetrachlorophenol	20	U
84-66-2-----	Diethylphthalate	10	U
297-97-2-----	Zinophos	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	20	U
99-55-8-----	5-Nitro-o-toluidine	20	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	30	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
122-39-4-----	Diphenylamine	10	U
99-35-4-----	1,3,5-Trinitrobenzene	20	U
122-66-7-----	1,2-Diphenylhydrazine	10	U
62-44-2-----	Phenacetin	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
2303-16-4-----	Diallate	10	U
60-51-5-----	Dimethoate	10	U
118-74-1-----	Hexachlorobenzene	10	U
92-67-1-----	4-Aminobiphenyl	10	U
23950-58-5-----	Pronamide	10	U
87-86-5-----	Pentachlorophenol	20	U
82-68-8-----	Pentachloronitrobenzene	10	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
84-74-2-----	Di-n-Butylphthalate	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-2

1/87 Rev.

91-80-5-----	Methapyrilene	20	U
50-18-0-----	Cyclophosphamide	50	U
206-44-0-----	Fluoranthene	10	U
92-87-5-----	Benzidine	10	U
129-00-0-----	Pyrene	10	U
140-57-8-----	Aramite	20	U
60-11-7-----	p-Dimethylaminoazobenzene	10	U
510-15-6-----	Chlorobenzilate	10	U
119-93-7-----	3,3'-Dimethylbenzidine	20	U
85-68-7-----	Butylbenzylphthalate	10	U
53-96-3-----	2-Acetylaminofluorene	10	U
101-14-4-----	Methylene-bis(2-chloroaniline	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
106-51-4-----	3,3'-Dimethoxybenzidine	10	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0-----	Di-n-Octyl Phthalate	10	U
205-99-2-----	Benzo(b)Fluoranthene	10	U
57-97-6-----	7,12-Dimethylbenzanthracene	10	U
207-08-9-----	Benzo(k)Fluoranthene	10	U
50-32-8-----	Benzo(a)Pyrene	10	U
56-49-5-----	3-Methylcholanthrene	10	U
224-42-0-----	Dibenzo(a,j)acridine	10	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3-----	Dibenz(a,h)Anthracene	10	U
191-24-2-----	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK31

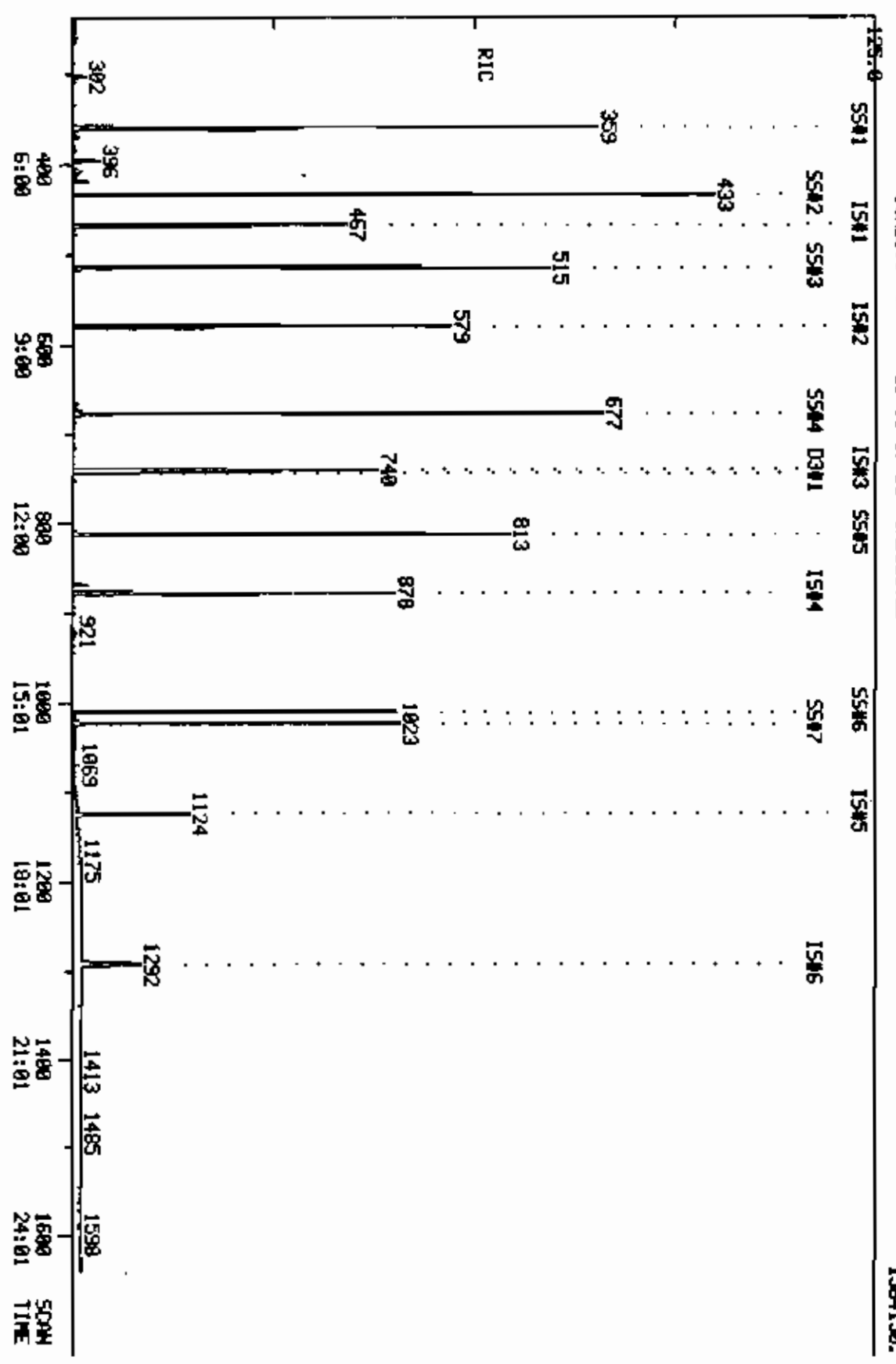
Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
Matrix: (soil/water) WATER Lab Sample ID: SBLK31  
Sample wt/vol: 500 (g/mL) ML Lab File ID: GJ040130A06  
Level: (low/med) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/17/90  
Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/18/90  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====



RIC  
 05/18/90 11:24:00  
 SAMPLE: IUL CC#340130 ION#5BK31  
 COND.: EXTRACTED 05/17/90 UNDILUTED  
 COMPUTER LABS  
 COMPUTER DIRTY: C:\040130\06 SCANS 235 TO 1640  
 CS#0401005 ON 6  
 OUT OF 235 TO 1640  
 1564150.



QUANTITATION REPORT FILE: GJ040130A08

DATA: GJ040130A06.TI

05/18/90 11:24:00

SAMPLE: 1UL CC#340130 ID#SBLK31

CS#VARIOUS

DN 6

CONDS.: EXTRACTED 05/17/90 UNDILUTED

SUBMITTED BY: A

ANALYST:

1591

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I8#1)
2	A41 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	481 PYRIDINE (Z9#1)
A	509 ETHYLMAHACRYLATE (Z9#2)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (Z9#4) <10595-95-6>
8	5A3 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-A>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I8#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSODIPIPERIDINE (Z9#14)
34	438 ISOPHORDNE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLORANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHLORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	*605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINOPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 D10-PHENANTHRENE (I8#4)
93	*459 D12-CHRYSENE (I8#5)
94	*497 D12-PERYLENE
95	*619 2-FLUOROPHENOL (S5#1)
96	*612 D5-PHENOL (S5#2)
97	*447 D5-NITROBENZENE (S5#3)
98	*448 2-FLUOROBIPHENYL (S5#4)
99	*628 2,4,6-TRIBROMOPHENOL (S5#5)
100	*471 D10-PYRENE
101	*496 D14-TERPHENYL (S5#6)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	%TOT
1	152	467	7:01	1	1.000	A BB	163864.	40.000 NG	4.55
2	42	NOT FOUND							
3	79	NOT FOUND							
4	69	NOT FOUND							
5	89	NOT FOUND							
6	93	NOT FOUND							
7	88	NOT FOUND							
8	80	NOT FOUND							
9	102	NOT FOUND							
10	109	NOT FOUND							
11	94	NOT FOUND							
12	93	NOT FOUND							
13	167	NOT FOUND							
14	93	NOT FOUND							
15	128	NOT FOUND							
16	146	NOT FOUND							
17	91	NOT FOUND							
18	146	NOT FOUND							
19	108	NOT FOUND							
20	146	NOT FOUND							
21	108	NOT FOUND							
22	43	NOT FOUND							
23	108	NOT FOUND							
24	108	NOT FOUND							
25	100	NOT FOUND							
26	116	NOT FOUND							
27	105	NOT FOUND							
28	70	NOT FOUND							
29	106	NOT FOUND							
30	117	NOT FOUND							
31	136	579	8:41	31	1.000	A BB	532220.	40.000 NG	4.55
32	77	NOT FOUND							
33	114	NOT FOUND							
34	82	NOT FOUND							
35	107	NOT FOUND							
36	139	NOT FOUND							
37	180	NOT FOUND							
38	125	NOT FOUND							
39	122	NOT FOUND							
40	93	NOT FOUND							
41	162	NOT FOUND							
42	180	NOT FOUND							
43	128	NOT FOUND							
44	127	NOT FOUND							
45	162	NOT FOUND							
46	108	579	8:41	31	1.000	A BB	80388.	52.897 NG	6.01 <i>NO</i>
47	91	NOT FOUND							
48	213	NOT FOUND							
49	223	NOT FOUND							
50	180	NOT FOUND							
51	199	NOT FOUND							
52	84	NOT FOUND							
53	107	NOT FOUND							
54	108	NOT FOUND							
55	162	NOT FOUND							
56	108	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
57	142	NOT FOUND							
58	142	NOT FOUND							
59	164	740	11:06	59	1.000	A BB	239748.	40.000 NG	4.55
60	216	NOT FOUND							
61	216	NOT FOUND							
62	237	NOT FOUND							
63	196	NOT FOUND							
64	196	NOT FOUND							
65	162	NOT FOUND							
66	162	NOT FOUND							
67	162	NOT FOUND							
68	216	NOT FOUND							
69	65	NOT FOUND							
70	198	NOT FOUND							
71	168	NOT FOUND							
72	163	NOT FOUND							
73	165	NOT FOUND							
74	152	NOT FOUND							
75	138	NOT FOUND							
76	193	NOT FOUND							
77	184	NOT FOUND							
78	109	NOT FOUND							
79	165	NOT FOUND							
80	168	NOT FOUND							
81	250	NOT FOUND							
82	143	NOT FOUND							
83	143	NOT FOUND							
84	232	NOT FOUND							
85	149	NOT FOUND							
86	97	NOT FOUND							
87	204	NOT FOUND							
88	166	NOT FOUND							
89	138	NOT FOUND							
90	152	NOT FOUND							
91	77	NOT FOUND							
92	188	878	13:11	92	1.000	A BB	295844.	40.000 NG	4.55
93	240	1124	16:52	93	1.000	A BB	153660.	40.000 NG	4.55
94	264	1292	19:24	94	1.000	A BB	115040.	40.000 NG	4.55
95	112	359	5:23	1	0.769	A BB	702772.	103.099 NG	11.72
96	99	433	6:30	1	0.927	A BB	642612.	84.064 NG	9.55
97	82	515	7:44	31	0.889	A BB	473052.	65.846 NG	7.48
98	172	677	10:10	59	0.915	A BB	542656.	72.372 NG	8.22
99	330	812	12:11	59	1.097	A BB	116692.	88.216 NG	10.02
100	212	1010	15:10	93	0.899	A BV	433324.	84.172 NG	9.56
101	244	1022	15:20	93	0.909	A BB	346788.	89.455 NG	10.16

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	7:02	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:47		10.000			50.00		0.739	
3	3:48		10.000			50.00		1.387	
4	4:21		10.000			50.00		1.417	
5	4:19		10.000			50.00		0.347	
6	4:45		20.000			50.00		1.494	
7	4:53		10.000			50.00		1.576	
8	5:13		10.000			50.00		0.953	
9	5:42		10.000			50.00		0.828	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:04		10.000			50.00		0.919	
11	6:33		10.000			50.00		2.028	
12	6:37		10.000			50.00		2.460	
13	6:42		10.000			50.00		0.625	
14	6:41		20.000			50.00		1.874	
15	6:46		10.000			50.00		1.846	
16	6:59		10.000			50.00		1.839	
17	7:02		10.000			50.00		3.265	
18	7:04		10.000			50.00		1.761	
19	7:11		10.000			50.00		0.996	
20	7:16		10.000			50.00		1.755	
21	7:19		10.000			50.00		1.459	
22	7:22		10.000			50.00		1.748	
23	7:31		10.000			100.00		1.260	
24	7:31		10.000			100.00		1.260	
25	7:32		10.000			50.00		0.821	
26	7:35		10.000			50.00		0.476	
27	7:33		10.000			50.00		2.221	
28	7:33		10.000			50.00		1.166	
29	7:36		10.000			50.00		1.970	
30	7:43		10.000			50.00		1.036	
31	8:43	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:47		10.000			50.00		0.534	
33	7:59		10.000			50.00		0.225	
34	8:05		10.000			50.00		0.944	
35	8:14		10.000			50.00		0.440	
36	8:12		10.000			50.00		0.239	
37	8:13		10.000			50.00		0.339	
38	8:15		10.000			50.00		0.727	
39	8:20		100.000			50.00		0.218	
40	8:22		10.000			50.00		0.559	
41	8:31		10.000			50.00		0.315	
42	8:38		10.000			50.00		0.341	
43	8:45		10.000			50.00		1.218	
44	8:48		10.000			50.00		0.661	
45	8:49		20.000			50.00		0.334	
46	8:43	1.00	10.000	0.10	52.86	50.00	0.121	0.114	1.06
47	9:06		10.000			50.00		0.057	
48	8:52		10.000			50.00		0.198	
49	8:54		10.000			50.00		0.190	
50	8:57		10.000			50.00		0.326	
51	9:01		20.000			50.00		0.426	
52	9:14		10.000			50.00		0.200	
53	9:26		10.000			50.00		0.435	
54	9:26		10.000			50.00		0.038	
55	9:33		10.000			50.00		0.253	
56	9:33		10.000			50.00		0.003	
57	9:42		10.000			50.00		0.853	
58	9:50		10.000			50.00		0.502	
59	11:09	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	9:55		10.000			100.00		0.601	
61	9:55		10.000			100.00		0.601	
62	9:54		10.000			50.00		0.339	
63	10:03		20.000			50.00		0.415	
64	10:07		20.000			50.00		0.417	
65	10:16		20.000			50.00		0.514	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:22		10.000			50.00		1.441	
67	10:25		10.000			50.00		1.170	
68	10:19		10.000			50.00		0.594	
69	10:29		10.000			50.00		0.545	
70	10:37		20.000			50.00		0.513	
71	10:40		20.000			50.00		0.278	
72	10:43		10.000			50.00		1.552	
73	10:49		10.000			50.00		0.393	
74	10:57		10.000			50.00		1.901	
75	11:04		20.000			50.00		0.424	
76	11:12		10.000			50.00		1.153	
77	11:13		40.000			50.00		0.149	
78	11:15		10.000			50.00		0.304	
79	11:23		10.000			50.00		0.478	
80	11:26		10.000			50.00		1.679	
81	11:23		10.000			50.00		0.527	
82	11:33		20.000			50.00		0.825	
83	11:39		20.000			50.00		0.873	
84	11:35		20.000			50.00		0.273	
85	11:42		10.000			50.00		1.776	
86	11:49		10.000			50.00		0.524	
87	11:52		10.000			50.00		0.511	
88	11:54		10.000			50.00		1.196	
89	11:55		20.000			50.00		0.406	
90	11:54		20.000			50.00		0.453	
91	12:07		10.000			50.00		2.581	
92	13:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	19:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:25	0.99	0.742	1.04	103.10	50.00	3.431	1.664	2.06
96	6:32	1.00	0.948	0.98	84.06	50.00	3.137	1.866	1.68
97	7:46	1.00	0.875	1.02	65.85	50.00	0.711	0.540	1.32
98	10:11	1.00	0.906	1.01	72.37	50.00	1.811	1.251	1.45
99	12:14	1.00	1.118	0.98	88.22	50.00	0.389	0.221	1.76
100	15:12	1.00	10.000	0.09	84.17	50.00	2.256	1.340	1.68
101	15:23	1.00	0.907	1.00	89.46	50.00	1.805	1.009	1.79

QUANTITATION REPORT FILE: QJ040130A06

DATA: QJ040130A06.TI

05/18/90 11:24:00

SAMPLE: 1UL CC#340130 ID#68LK31 CS#VARIOUS

DN 6

CONDS.: EXTRACTED 05/17/90 UNDILUTED

SUBMITTED BY: 6 ANALYST: 1591

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

NO	NAME
1	*467 D10-PHENANTHRENE (I9#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (Q4#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (Q4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (Z9#41)
6	539 PHENACETIN (Z9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (Q4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9#44)
10	433 HEXACHLOROBENZENE (Q4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (Z9#45)
12	522 PRONAMIDE (Z9#46)
13	609 PENTACHLOROPHENOL (Q4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9#47)
15	444 PHENANTHRENE (Q4#7) <85-01-8>
16	403 ANTHRACENE (Q4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (Q4#9) <84-74-2>
18	516 METHAPYRILENE (Z9#48)
19	549 CYCLOPHOSPHAMIDE (Z9#49)
20	431 FLUORANTHENE (Q4#10) <206-44-0>
21	*459 D12-CHRYSENE (I5#5)
22	404 BENZIDINE (Q5#2) <92-87-5>
23	445 PYRENE (Q5#3) <129-00-0>
24	530 ARAMITE (Z9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (Z9#51)
26	523 CHLORO BENZILATE (Z9#52)
27	545 3,3'-DIMETHYLBENZIDINE (Z9#53)
28	415 BUTYLBENZYL PHTHALATE (Q5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z9#54)
31	423 3,3'-DICHLOROBENZIDINE (Q5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (Q5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (Q5#6) <56-55-3>
35	418 CHRYSENE (Q5#8) <218-01-9>
36	*497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (Q6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (Q6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9#55)
40	409 BENZO(K)FLUORANTHENE (Q6#4) <207-08-9>
41	406 BENZO(A)PYRENE (Q6#5) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (Q6#6) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (Q6#7) <53-70-3>
46	408 BENZO(Q, H, I)PERYLENE (Q6#8) <191-24-2>



NO NAME  
 47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HOHT)	AMOUNT	%TOT
1	188	878	13:11	1	1.000	A BB	295844.	40.000 NG	33.34
2	198	NOT FOUND							
3	169	NOT FOUND							
4	169	NOT FOUND							
5	213	NOT FOUND							
6	108	NOT FOUND							
7	248	NOT FOUND							
8	234	NOT FOUND							
9	125	NOT FOUND							
10	284	NOT FOUND							
11	169	NOT FOUND							
12	173	NOT FOUND							
13	266	NOT FOUND							
14	237	NOT FOUND							
15	178	NOT FOUND							
16	178	NOT FOUND							
17	149	NOT FOUND							
18	97	NOT FOUND							
19	211	NOT FOUND							
20	202	NOT FOUND							
21	240	1124	16:52	21	1.000	A BB	153660.	40.000 NG	33.34
22	194	NOT FOUND							
23	202	NOT FOUND							
24	185	NOT FOUND							
25	225	NOT FOUND							
26	139	NOT FOUND							
27	212	NOT FOUND							
28	149	NOT FOUND							
29	181	NOT FOUND							
30	231	NOT FOUND							
31	252	NOT FOUND							
32	244	NOT FOUND							
33	149	NOT FOUND							
34	228	NOT FOUND							
35	228	NOT FOUND							
36	264	1292	19:24	36	1.000	A BB	115040.	40.000 NG	33.34
37	149	NOT FOUND							
38	252	NOT FOUND							
39	256	NOT FOUND							
40	252	NOT FOUND							
41	252	NOT FOUND							
42	268	NOT FOUND							
43	279	NOT FOUND							
44	276	NOT FOUND							
45	278	NOT FOUND							
46	276	NOT FOUND							
47	234	NOT FOUND							

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATID
1	13:13	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	11:57		30.000			50.00		0.152	
3	12:02		10.000			100.00		0.621	
4	12:02		10.000			100.00		0.621	

NO	RET(L)	RATIO	RAT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RAT10
5	12:23		20.000			50.00		0.106	
6	12:27		10.000			50.00		0.653	
7	12:34		10.000			50.00		0.208	
8	12:25		10.000			25.00		0.123	
9	12:41		10.000			50.00		0.221	
10	12:40		10.000			50.00		0.326	
11	12:55		10.000			50.00		0.723	
12	12:58		10.000			50.00		0.453	
13	12:56		20.000			50.00		0.202	
14	12:57		10.000			50.00		0.113	
15	13:15		10.000			50.00		1.268	
16	13:20		10.000			50.00		1.289	
17	13:56		10.000			50.00		1.963	
18	14:23		20.000			50.00		0.491	
19	14:40		50.000			200.00		0.047	
20	14:54		10.000			50.00		1.185	
21	16:56	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:02		10.000			50.00		0.140	
23	15:14		10.000			50.00		1.461	
24	15:25		20.000			50.00		0.230	
25	15:35		10.000			50.00		0.261	
26	15:37		10.000			50.00		1.028	
27	16:03		20.000			50.00		0.425	
28	16:02		10.000			50.00		1.159	
29	16:25		10.000			50.00		0.527	
30	16:50		10.000			50.00		0.206	
31	16:50		10.000			50.00		0.298	
32	16:45		10.000			50.00		0.144	
33	16:49		10.000			50.00		1.604	
34	16:55		10.000			50.00		1.162	
35	16:58		10.000			50.00		1.143	
36	19:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:46		10.000			50.00		3.641	
38	18:38		10.000			50.00		1.561	
39	18:36		10.000			50.00		0.545	
40	18:41		10.000			50.00		0.520	
41	19:19		10.000			50.00		1.191	
42	20:05		10.000			50.00		0.659	
43	21:40		10.000			50.00		0.812	
44	22:17		10.000			50.00		1.221	
45	22:19		10.000			50.00		1.110	
46	23:09		10.000			50.00		0.877	
47	12:33		10.000			25.00		0.172	

LAB INSTRUCTIONS:

MAST 5-6

CASE: VARIOUS

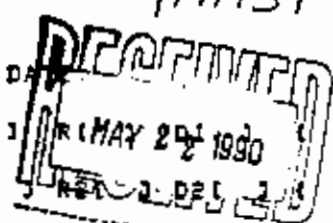
DUE DATE

GC/MS WORKSHEET

COMPUCHEMP: 340130

JL

JRC



SEMI-VOA + L.S. 3rd Ed 8U-846, METHOD 8270  
B-V EXTRACTION, EPA/METHOD 3510  
LOW LEVEL LIQUID

Sample Prep Code---079  
Instrument Code---288  
Compound List---379  
Surrogate Std---393  
Internal Std---035

15 PEAK LIBRARY SEARCH REQUIRED

SASH:

EPA# SBLK31

GC/MS ANALYSIS

Volumes mixed: BN 200 ul Acid 5 ul  
Internal Standard Volume Added 5 ul  
Mixed Sample Volume Injected 1 ul  
Date of Sample Bottle Analyzed 05/17/90  
DFTPP Filename DM900518106 Disk ( )  
Standard Filename LM900518106 Disk ( )  
Sample Filename GT040130A06 Disk ( )

ANALYST(E): Injection JA OK Den

Work-up 1591

GC/MS REVIEW

CONDITION CODE

JA

Entry Codes OK, EA, JA, ES, AL, AH, PL, PH, FL, FR, NL, NH, YL, SL, SH, SM, YH

Non-Entry Codes IM, IL, IH, BU, CT, CS, FC, OT, ED, IF, LA, DI, CO, RK, DW, DA

complete  
5-18-90 (SM)

Disposition: [  ] Complete

Extraneous Peak Search Results:

# of Peaks Found: 0

# of Hits: 0

# of Surrogate Outliers: 0

Quality Assurance Notice(A):

# Notices Required 1

GC/MS Review S. Hunt Date 5/21/90 Auditor Spud Date 5/21/90

REPORT INTEGRATION

Final Reportable Package(s): GT040130A06

Total # of Injections: 1

QA COMMENTS:

Initials \_\_\_\_\_ Date 5/21/90

FINAL REVIEW:

Initials \_\_\_\_\_ Date 5/21/90

ACE16 (06/87)

**EXTRACTION WORKSHEET**  
 Semi-volatile/Polycyclics  
 CompuChem Laboratories Inc

DATE ASSIGNED 5/17/90

EMP ID NUMBER 1289

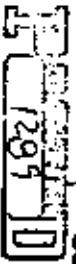
QUEUE 127

ASSIGNED TO: Tammy Walker

SAMPLE NUMBER	PREP CODE	CASE #	CLIENT #	TYPE	BOTTLE		SAMPLE		ADJUSTED PH		COMMENTS
					NO.	#	VOLUME(ml)	SV BUN	ACID	BUN	
1	33773K-079	20124	78300 78300		243	500ml	0.5	13	1		Use solid sample volume for SV only
2	33774VK		78300 78300		243	500ml	0.5	13	1		ADD 0.5ml conc. ADD 0.5ml water.
3	337752K		78300 78300		243	500ml	0.5	13	1		Cont. to 0.5ml final volume
4	337764K										add (AD) <u>100% methanol</u> to 0.5ml only
5	337772K										
6	337782K	20016	m4-1		243	500ml	0.5	13	1		outlet sample.
7	337792K	14648	78300 78300								
8	337802K		78300 78300								
9	337817K	19652	78300 78300								CONTINUOUS EXTRACT.
10											
11											
12	34013D		78300 78300								

SURROGAT	NO. AMT. LOT	S-VOL	ACID	BIN	OTHER	OTHER	SURROGAT	
							NO. AMT. LOT	NO. AMT. LOT
							3012	2021
							N/A	N/A

ISSUED BY: \_\_\_\_\_



SURROGATE & SPIKE ADDED CORRECTLY

MANUAL COUNTER 5101 B7B  
 FINAL VOLUME VERIFIED  
 SUPERVISOR REVIEWED  
 EXTRACTS RECEIVED BY  
 DATE ASSIGNED 5-18-90

DATE 5-17-90

CMF #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
467	185 I	D10-PHENANTHRENE (I8#4)	578	296000	40.0		
604	198	4,6-DINITRO-2-METHYLPHENOL				BDL	3
443	169	N-NITROSODIPHENYLAMINE (G4#)				BDL	1
567	169	DIPHENYLAMINE (F3#3)				BDL	1
508	213	1,3,5-TRINITROBENZENE (I9#4)				BDL	2
539	108	PHENACETIN (I9#42)				BDL	1
414	248	4-BROMOPHENYL PHENYL ETHER				BDL	1
377	234	DIALATE (TRANS ISOMER)				BDL	1
341	129	DIMETHOATE (I9#44)				BDL	1
433	284	HEXACHLOROBENZENE (G4#5)				BDL	1
489	169	4-AMINOBIIPHENYL (I9#45)				BDL	1
522	173	PRONAMIDE (I9#46)				BDL	1
609	266	PENTACHLOROPHENOL (G4#6)				BDL	2
453	236	PENTACHLORONITROBENZENE (I9				BDL	1
444	178	PHENANTHRENE (G4#7)				BDL	1
403	178	ANTHRACENE (G4#8)				BDL	1
426	149	D1-N-BUTYL PHTHALATE (G4#9)				BDL	1
516	97	METHAPYRILENE (I9#48)				BDL	2
549	211	CYCLOPHOSPHAMIDE (I9#49)				BDL	5
431	202	FLUORANTHENE (G4#10)				BDL	1
489	240 I	D12-CHRYSENE (I8#5)	1124	154000	40.0		
404	184	BENZIDINE (G5#2)				BDL	1
445	202	PYRENE (G5#3)				BDL	1
530	189	ARAMITE (I9#50)				BDL	2
457	229	P-DIMETHYLAMINOAZOBENZENE (				BDL	1
523	139	CHLOROBENZILATE (I9#52)				BDL	1
545	212	3,3'-DIMETHYLBENZIDINE (I9#				BDL	2
415	149	BUTYLBENZYL PHTHALATE (G5#4				BDL	1
488	181	2-ACETYLAMINO FLUORENE (F5#				BDL	1
489	231	4,4'-METHYLENE-BIS(2-CHLORO				BDL	1
423	252	3,3'-DICHLOROBENZIDINE (G5#				BDL	1
333	244	DIMETHOXYBENZIDINE (I9#57)				BDL	1
413	149	BIS(2-ETHYLHEXYL) PHTHALATE				BDL	1
405	228	BENZO(A)ANTHRACENE (G5#6)				BDL	1
418	228	CHRYSENE (G5#8)				BDL	1
497	264 I	D12-PERYLENE	1292	119000	40.0		
429	149	DI-N-OCTYL PHTHALATE (G6#2)				BDL	1
407	252	BENZO(B)FLUORANTHENE (G6#3)				BDL	1
517	256	7,12-DIMETHYLBENZANTHRACENE				BDL	1
409	252	BENZO(K)FLUORANTHENE (G6#4)				BDL	1
406	252	BENZO(A)PYRENE (G6#5)				BDL	1
565	268	3-METHYLCHLORANTHRENE (F6#2				BDL	1
566	279	DIBENZO(A, J)ACRIDINE				BDL	1

CORRECTED/REVIEWED BY

S. Bevil  
(QC/MS DATA REVIEWER)

DATE

5-21-90

CMP #	H/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
437	276	INDENO(1,2,3-C,D)PYRENE (G6				BDL	1
419	278	DIBENZO(A,H)ANTHRACENE (G6#				BDL	1
408	276	BENZO(G,H,I)PERYLENE (G6#B)				BDL	1
576	234	DIALATE (CIS ISOMER)				BDL	1
531	234	DIALATE (TOTAL)				BDL	1
CHECKSUMS:							
		10114.	3294	565000.		120.0	0.

CORRECTED/REVIEWED BY *L. Head*  
(QC/MS DATA REVIEWER)

DATE 5-21-90

## CORRECTION FACTOR CALCULATION:

1000 ML DILUTION  
----- X FINAL EXTRACT VOLUME (ML) X FACTOR X 2 =  
VOL SAMPLE EXTRACTED (ML)

1000. ML  
----- X 0.5ML X 1.0 X 1 = 1.000  
500. ML

\*\*\*\*\*

VERSION 9

CORRECTED/REVIEWED BY *S. H. Smith*  
(GC/MS DATA REVIEWER)

DATE 5-11-90

COMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
494	152	I D4-1,4-DICHLOROBENZENE (I8#	467	164000	40.0		
441	42	N-NITROSODIMETHYLAMINE (Q1#				BDL	1
481	79	PYRIDINE (I9#1)				BDL	1
509	69	ETHYLMETHACRYLATE (I9#2)				BDL	1
542	89	PARALDEHYDE (I9#3)				BDL	1
510	93	2-PICOLINE (I9#56)				BDL	2
535	88	NITROSOMETHYLETHYLAMINE (I9				BDL	1
543	80	METHYL METHANE SULFONATE (I				BDL	1
499	102	N-NITROSODIETHYLAMINE (I9#6				BDL	1
514	109	ETHYL METHANESULFONATE (I9#				BDL	1
610	94	PHENOL (Q1#3)				BDL	1
473	93	ANILINE (Q1#4)				BDL	1
505	167	PENTACHLOROETHANE (I9#8)				BDL	1
411	93	BIS(2-CHLOROETHYL)ETHER (Q1				BDL	2
601	128	2-CHLOROPHENOL (Q1#6)				BDL	1
421	146	1,3-DICHLOROBENZENE (Q1#7)				BDL	1
506	91	BENZYL CHLORIDE (I9#9)				BDL	1
422	146	1,4-DICHLOROBENZENE (Q1#8)				BDL	1
474	108	BENZYL ALCOHOL (Q1#9)				BDL	1
420	146	1,2-DICHLOROBENZENE (Q1#10)				BDL	1
620	108	2-METHYLPHENOL (Q1#11)				BDL	1
412	45	BIS(2-CHLOROISOPROPYL)ETHER				BDL	1
621	108	3-METHYLPHENOL (F1#2)				BDL	1
622	108	4-METHYLPHENOL (Q1#13)				BDL	1
528	100	N-NITROSPYRROLIDINE (I9#10)				BDL	1
544	116	N-NITROSOMORPHOLINE (I9#12)				BDL	1
500	105	ACETOPHENONE (I9#11)				BDL	1
442	70	N-NITROSO-DI-N-PROPYLAMINE				BDL	1
512	106	O-TOLUIDINE HYDROCHLORIDE (				BDL	1
436	117	HEXACHLOROETHANE (Q1#15)				BDL	1
460	136	I D8-NAPHTHALENE (IS#2)	579	932000	40.0		
440	77	NITROBENZENE (Q1#16)				BDL	1
502	114	N-NITROSODIPIPERIDINE (I9#1				BDL	1
438	82	ISOPHORONE (Q2#2)				BDL	1
603	107	2,4-DIMETHYLPHENOL (Q2#4)				BDL	1
606	139	2-NITROPHENOL (Q2#3)				BDL	1
451	180	1,3,5-TRICHLOROBENZENE (I9#				BDL	1
518	125	BENZAL CHLORIDE (I9#16)				BDL	1
625	122	BENZOIC ACID (Q2#5)				BDL	10
410	93	BIS(2-CHLOROETHOXY)METHANE				BDL	1
602	162	2,4-DICHLOROPHENOL (Q2#7)				BDL	1
446	180	1,2,4-TRICHLOROBENZENE (Q2#				BDL	1
439	128	NAPHTHALENE (Q2#9)				BDL	1

CORRECTED/REVIEWED BY *S. Smith*  
(QC/MS DATA REVIEWER)

DATE 5-21-90



CHP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
475	127	4-CHLOROANILINE (G2#10)				BDL	1
631	162	2,6-DICHLOROPHENOL (I9#18)				BDL	2
324	108	O-PHENYLENEDIAMINE (I9#19)			52.9	<del>BDL</del>	1
519	91	ALPHA, ALPHA DIMETHYLPHENETH				BDL	1
537	213	HEXACHLOROPROPENE (I9#21)				BDL	1
434	225	HEXACHLOROBUTADIENE (G2#11)				BDL	1
450	180	1,2,3-TRICHLOROBENZENE (I9#				BDL	1
934	159	BENZOTRICHLORIDE (I9#23)				BDL	2
936	84	N-NITROSD-D1-N-BUTYLAMINE (				BDL	1
608	107	P-CLORO-M-CRESOL (G2#12)				BDL	1
326	108	P-PHENYLENEDIAMINE (I9#20)				BDL	1
903	162	BAPROLE (I9#27)				BDL	1
925	108	M-PHENYLENEDIAMINE (I9#26)				BDL	1
477	142	2-METHYLNAPHTHALENE (G2#13)				BDL	1
967	142	1-METHYLNAPHTHALENE (T2#28)				BDL	1
475	164	I D10-ACENAPHTHENE (I8#3)	740	240000	40.0		
457	216	1,2,4,5-TETRACHLOROBENZENE				BDL	1
513	216	1,2,3,5-TETRACHLOROBENZENE				BDL	1
435	236	HEXACHLOROCYCLOPENTADIENE (				BDL	1
611	196	2,4,6-TRICHLOROPHENOL (G3#3				BDL	2
626	196	2,4,5-TRICHLOROPHENOL (G3#4				BDL	2
527	162	ISOBAPROLE (I9#30)				BDL	2
416	162	2-CHLORONAPHTHALENE (G3#5)				BDL	1
564	162	1-CHLORONAPHTHALENE (F4#2)				BDL	1
436	216	1,2,3,4-TETRACHLOROBENZENE				BDL	1
478	65	2-NITROANILINE (G3#6)				BDL	1
504	158	1,4-NAPHTHOQUINONE (I9#32)				BDL	2
491	168	1,4-DINITROBENZENE (F3#2)				BDL	2
425	163	DIMETHYL PHTHALATE (G3#7)				BDL	1
428	163	2,6-DINITROTOLUENE (G3#15)				BDL	1
402	152	ACENAPHTHYLENE (G3#8)				BDL	1
479	138	3-NITROANILINE (G3#9)				BDL	2
401	153	ACENAPHTHENE (G3#10)				BDL	1
605	184	2,4-DINITROPHENOL (G3#11)				BDL	4
607	109	4-NITROPHENOL (G3#12)				BDL	1
427	163	2,4-DINITROTOLUENE (G3#14)				BDL	1
476	166	DIBENZOFURAN (G3#13)				BDL	1
507	230	PENTACHLOROBENZENE (I9#33)				BDL	1
484	143	2-NAPHTHYLAMINE (I9#35)				BDL	2
483	143	1-NAPHTHYLAMINE (I9#36)				BDL	2
630	231	2,3,4,6-TETRACHLOROPHENOL (				BDL	2
424	149	DIETHYL PHTHALATE (G3#16)				BDL	1
519	97	ZINOPHOS (I9#38)				BDL	1

CORRECTED/REVIEWED BY

*L. H. H. H.*  
(GC/MS DATA REVIEWER)

DATE

5-21-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
417	204	4-CHLOROPHENYL PHENYL ETHER				BDL	1
432	166	FLUORENE (G3#18)				BDL	1
480	138	4-NITROANILINE (G3#17)				BDL	2
498	152	5-NITRO-O-TOLUIDINE (I7#34)				BDL	2
430	77	1,2-DIPHENYLHYDRAZINE (AZOB)				BDL	1
467	188	I D10-PHENANTHRENE (IS#4)	878	296000	40.0		
459	240	I D12-CHRYSENE (IS#5)	1124	134000	40.0		
497	264	I D12-PERYLENE	1292	115000	40.0		
619	112	S 2-FLUOROPHENOL (SS#1)			103.0	51. %	
612	99	S D5-PHENOL (SS#2)			84.1	42. %	
447	82	S D5-NITROBENZENE (SB#3)			65.8	66. %	
448	172	S 2-FLUOROBIPHENYL (SB#4)			72.4	72. %	
628	330	S 2,4,6-TRIBROMOPHENOL (SS#9)			88.2	44. %	
471	212	S D10-PYRENE			84.2	84. %	
496	244	S O14-TERPHEENYL (SB#6)			89.5	89. %	
CHECKSUMS:							
		14268.	5080	1501000.	880.1		53.

CORRECTED/REVIEWED BY

*S. Brent*  
(GC/MS DATA REVIEWER)

DATE

5-21-90

NO	CC IO#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P
75	617	2-FLUOROPHENOL (SS#1)	103.0	200.0	51.	21-100	X
76	612	05-PHENOL (SS#2)	84.1	200.0	42.	10-94	X
77	447	05-NITROBENZENE (SS#3)	65.8	100.0	66.	35-114	X
78	448	2-FLUOROBIPHENYL (SS#4)	72.4	100.0	72.	43-116	X
79	628	2,4,6-TRIBROMOPHENOL (SS#5)	88.2	200.0	44.	10-123	X
*1	471	D10-PYRENE	84.2	100.0	84.	40-130*	X
*1	496	014-TERPHENYL (SS#6)	89.5	100.0	89.	33-141	X

\* ADVISORY SURROGATE ONLY  
 ++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{1000 \text{ ML}}{500 \text{ ML}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{1000 \text{ UL}}{\text{VOLUME SURROGATE ADDED (UL)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{1000 \text{ UL}}{500 \text{ UL}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 9

CORRECTED/REVIEWED BY *L. Penell*  
 (GC/MS DATA REVIEWER)  
 DATE *5-15-10*



#### QUALITY ASSURANCE NOTICE

Surrogate standards are added to all samples being processed for organic analyses. These standards contain one or more compounds intended to analytically mimic the responses or recoveries of the target compounds of interest. The recovery of the surrogate compound is compared to a control limit range to determine whether or not the laboratory's analytical system was in control at the time of sample processing.

In most cases, these control limits have been mandated by a referenced method or statement-of-work (the Contract Laboratory Program, for example). For some methods, however, the surrogate control limit range has not been established. In such instances, the laboratory has generated "advisory" ranges based on method validation studies performed internally and initial experience with the method on "real world" samples. These ranges are used to guide the analyst in evaluating the data. Statistically-based control limits, which will be used to determine whether or not a particular analysis must be repeated, will be generated as soon as sufficient historical data is accumulated.

A handwritten signature in cursive script, reading "Robert J. Whitehead", is written over a horizontal line.

Robert J. Whitehead  
Manager, Quality Assurance

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK93

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK93  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH040522C07  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/18/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/21/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L      Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
62-75-9	N-Nitrosodimethylamine	10	U
110-86-1	Pyridine	10	U
97-63-2	Ethyl methacrylate	10	U
123-63-7	Paraldehyde	10	U
109-06-8	2-Picoline	20	U
10595-95-6	Nitrosomethylathylamine	10	U
66-27-3	Methyl methanesulfonate	10	U
108-95-2	Phenol	10	U
55-18-5	N-Nitrosodiethylamine	10	U
62-50-5	Ethyl methanesulfonate	10	U
62-51-3	Aniline	10	U
76-01-7	Pentachloroethane	10	U
111-44-4	bis(2-Chloroethyl) Ether	20	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
100-44-7	Benzyl chloride	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	10	U
108-39-4	3-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
59-89-2	N-Nitrosomorpholine	10	U
98-86-2	Acetophenone	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
636-21-5	o-Toluidine hydrochloride	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
100-75-4	N-Nitrosopiperidine	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-4

1/87 Rev.

108-70-3-----	1,3,5-Trichlorobenzene	10	U
98-87-3-----	Benzal chloride	10	U
65-85-0-----	Benzoic Acid	100	U
111-91-1-----	bis(2-Chloroethoxy)Methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-65-0-----	2,6-Dichlorophenol	20	U
95-54-5-----	o-Phenylenediamine	10	U
122-09-8-----	dimethylphenylethylamine	10	U
1888-71-7-----	Hexachloropropene	10	U
87-68-3-----	Hexachlorobutadiene	10	U
87-61-6-----	1,2,3-Trichlorobenzene	10	U
98-07-7-----	Benzotrichloride	20	U
924-16-3-----	N-Nitroso-di-n-butylamine	10	U
59-50-7-----	4-Chloro-3-Methylphenol	10	U
106-50-3-----	p-Phenylenediamine	10	U
94-59-7-----	Safrole	10	U
106-50-3-----	m-Phenylenediamine	10	U
91-57-6-----	2-Methylnaphthalene	10	U
90-12-0-----	1-Methylnaphthalene	10	U
95-94-3-----	1,2,4,5-Tetrachlorobenzene	10	U
634-90-2-----	1,2,3,5-Tetrachlorobenzene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	20	U
95-95-4-----	2,4,5-Trichlorophenol	20	U
120-58-1-----	Isosafrole	20	U
91-58-7-----	2-Chloronaphthalene	10	U
90-13-1-----	1-Chloronaphthalene	10	U
634-66-2-----	1,2,3,4-Tetrachlorobenzene	10	U
88-74-4-----	2-Nitroaniline	10	U
130-15-4-----	1,4-Naphthoquinone	20	U
100-25-4-----	1,4-Dinitrobenzene	20	U
131-11-3-----	Dimethyl Phthalate	10	U
208-96-8-----	Acenaphthylene	10	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK93

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK93  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH040522C07  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/18/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/21/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	40	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
608-93-5	Pentachlorobenzene	10	U
134-32-7	2-Naphthylamine	20	U
606-20-2	2,6-Dinitrotoluene	10	U
134-32-7	1-Naphthylamine	20	U
58-90-2	2,3,4,6-Tetrachlorophenol	20	U
84-66-2	Diethylphthalate	10	U
297-97-2	Zinophos	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
99-55-8	5-Nitro-o-toluidine	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	30	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
122-39-4	Diphenylamine	10	U
99-35-4	1,3,5-Trinitrobenzene	20	U
122-66-7	1,2-Diphenylhydrazine	10	U
62-44-2	Phenacetin	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
2303-16-4	Diallate	10	U
60-51-5	Dimethoate	10	U
118-74-1	Hexachlorobenzene	10	U
92-67-1	4-Aminobiphenyl	10	U
23950-58-5	Pronamide	10	U
87-86-5	Pentachlorophenol	20	U
82-68-8	Pentachloronitrobenzene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

91-80-5-----	Methapyrilene	20	U
50-18-0-----	Cyclophosphamide	50	U
206-44-0-----	Fluoranthene	10	U
92-87-5-----	Benzidine	10	U
129-00-0-----	Pyrene	10	U
140-57-8-----	Aramite	20	U
60-11-7-----	p-Dimethylaminoazobenzene	10	U
510-15-6-----	Chlorobenzilate	10	U
119-93-7-----	3,3'-Dimethylbenzidine	20	U
85-68-7-----	Butylbenzylphthalate	10	U
53-96-3-----	2-Acetylaminofluorene	10	U
101-14-4-----	Methylene-bis(2-chloroaniline	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
106-51-4-----	3,3'-Dimethoxybenzidine	10	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	10	U
117-84-0-----	Di-n-Octyl Phthalate	10	U
205-99-2-----	Benzo(b) Fluoranthene	10	U
57-97-6-----	7,12-Dimethylbenzanthracene	10	U
207-08-9-----	Benzo(k) Fluoranthene	10	U
50-32-8-----	Benzo(a) Pyrene	10	U
56-49-5-----	3-Methylcholanthrene	10	U
224-42-0-----	Dibenzo(a,j)acridine	10	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	10	U
53-70-3-----	Dibenz(a,h)Anthracene	10	U
191-24-2-----	Benzo(g,h,i) Perylene	10	U

(1) - Cannot be separated from Diphenylamine



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK93

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: SBLK93  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH040522C07  
 Level: (low/med) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/18/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/21/90  
 GPC Cleanup: (Y/N) N pR: \_\_\_\_\_ Dilution Factor: 0.50

Number TICs found: 4 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.70	18	J
2.	UNKNOWN	6.10	54	J
3. 74630-08-3	1-OCTENE, 3-ETHYL-	6.25	20	J
4.	METHYLPROPYLCYCLOHEXANE	6.45	28	J

COMPUCHEN LABS

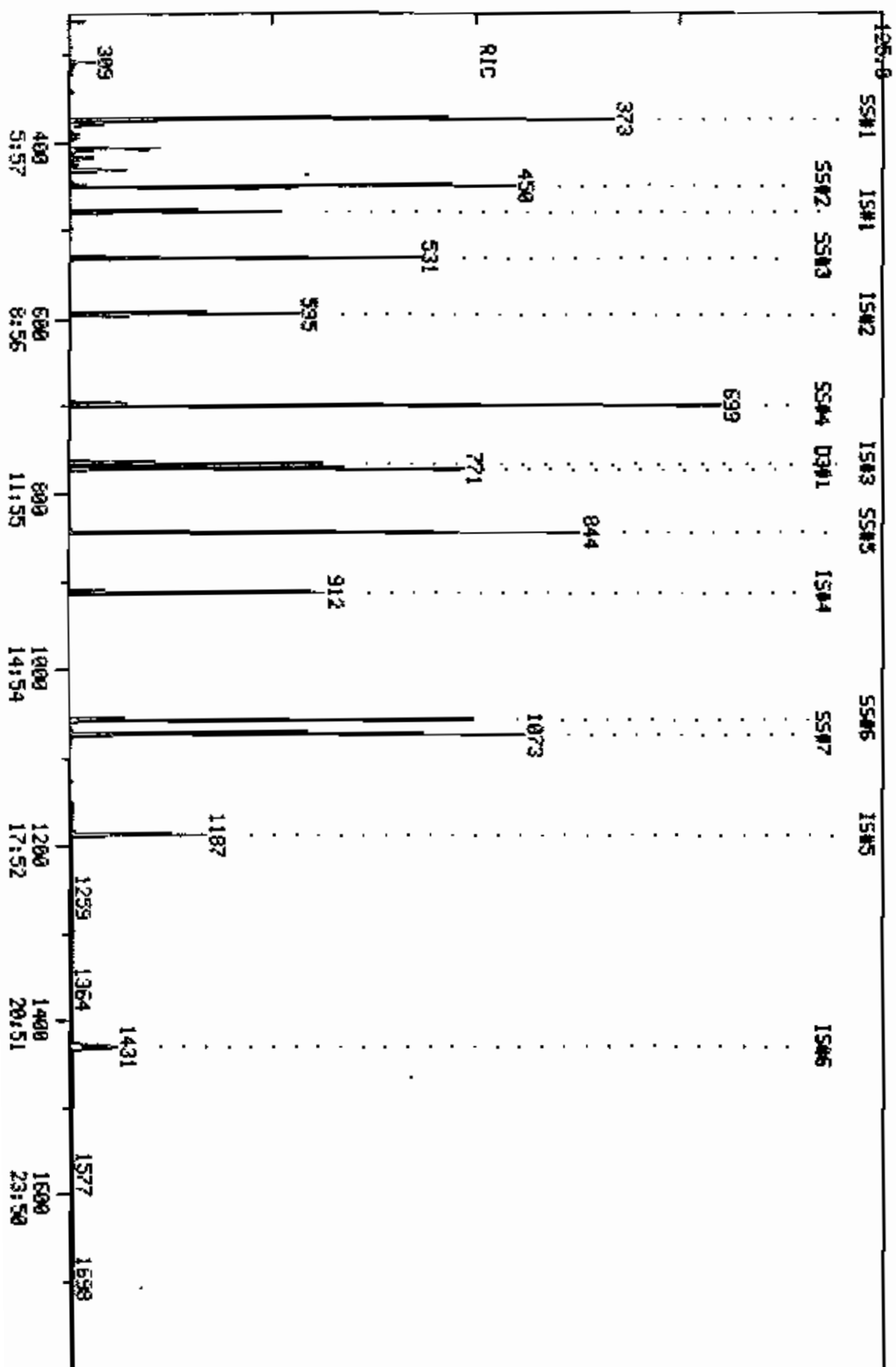
COMPUCHEN DATA: 08040522007 SCANS 252 TO 1802

RIC  
05/21/90 9:56:00

SAMPLE: IUL C00340522 1005BLK 93 mg/ml  
COND.: EXTRACTED 5/18/90 UNDILUTED

COMPARISONS

ON 7



R1C  
05/21/90 9:56:00  
SAMPLE: 1UL C08340522 1005BLK 93 9.114  
COND.S: EXTRACTED 5/18/90 UNOILUTED  
COMPUCHEN LABS  
COMPUCHEN DATA: C10410522C07 SCANS 1802 TO 1900  
OUT OF 252 TO 1900  
2291190.

1847

SCAN  
TIME

QUANTITATION REPORT FILE: GH040522C07

DATA: GH040522C07.TI

05/21/90 9:56:00

SAMPLE: 1UL CC#J40522 ID#SSLK 9) <sup>37)</sup> J-1+e

CS#VARIOUS

DN 7

CONDS.: EXTRACTED 5/18/90 UNDILUTED

SUBMITTED BY: 7 ANALYST: 917

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I8#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	481 PYRIDINE (I9#1)
4	509 ETHYLMETHACRYLATE (T1#4)
5	542 PARALDEHYDE (Z9#3)
6	510 2-PICOLINE (Z9#56)
7	535 NITROSOMETHYLETHYLAMINE (I9#4) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z9#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (I9#6)
10	514 ETHYL METHANESULFONATE (Z9#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	503 PENTACHLOROETHANE (Z9#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	505 BENZYL CHLORIDE (Z9#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-5>
25	528 N-NITROSOPYRROLIDINE (Z9#10) <930-55-2>
26	544 N-NITROSOMORPHOLINE (Z9#12) <59-89-2>
27	500 ACETOPHENONE (Z9#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z9#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (IS#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITRODIPIPERIDINE (Z9#14)
34	436 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z9#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLOROANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9#18)
46	524 O-PHENYLENEDIAMINE (Z9#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (Z9#17) <122-09-8>
48	537 HEXACHLOROPROPENE (Z9#21) <1888-71-7>
49	434 HEXACHLORDBUTADIENE (Q2#11) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (Z9#15) <87-61-6>
51	534 BENZOTRICHORIDE (Z9#23) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (Z9#24) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2#12) <59-50-7>
54	526 P-PHENYLENEDIAMINE (Z9#20) <108-45-2>
55	503 SAFROLE (Z9#27)
56	525 M-PHENYLENEDIAMINE (Z9#26) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2#13) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2#28) <90-12-0>
59	*495 D10-ACENAPHTHENE (I8#3)
60	457 1,2,4,5-TETRACHLOROBENZENE (Z9#31) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (Z9#29) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q3#2) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q3#3) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q3#4) <95-95-4>
65	527 ISOSAFROLE (Z9#30) <120-98-1>
66	416 2-CHLORONAPHTHALENE (Q3#5) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F4#2)
68	456 1,2,3,4-TETRACHLOROBENZENE (Z9#28) <634-66-2>
69	478 2-NITROANILINE (Q3#6) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (Z9#32)
71	491 1,4-DINITROBENZENE (F3#2) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q3#7) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3#15) <606-20-2>
74	402 ACENAPHTHYLENE (Q3#8) <208-96-8>
75	479 3-NITROANILINE (Q3#9) <99-09-2>
76	401 ACENAPHTHENE (Q3#10) <83-32-9>
77	*605 2,4-DINITROPHENOL (Q3#11) <51-28-4>
78	607 4-NITROPHENOL (Q3#12) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3#14) <121-14-2>
80	476 DIBENZOFURAN (Q3#13) <132-64-9>
81	507 PENTACHLOROBENZENE (Z9#33)
82	484 2-NAPHTHYLAMINE (Z9#35)
83	483 1-NAPHTHYLAMINE (Z9#36)
84	630 2,3,4,6-TETRACHLOROPHENOL (Z9#37)
85	424 DIETHYL PHTHALATE (Q3#16) <84-66-2>
86	519 ZINPHOS (Z9#38)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3#17) <7005-72-3>
88	432 FLUORENE (Q3#18) <86-73-7>
89	480 4-NITROANILINE (Q3#19) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (Z9#34)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (Z9#39)
92	*467 O10-PHENANTHRENE (I8#4)
93	*459 D12-CHRYSENE (I8#5)
94	*497 D12-PERYLENE (I8#6)
95	*619 2-FLUOROPHENOL (S8#1)
96	*612 D5-PHENOL (S8#2)
97	*447 D5-NITROBENZENE (S8#3)
98	*448 2-FLUOROBIPHENYL (S8#4)
99	*628 2,4,6-TRIBROMOPHENOL (S8#5)
100	*471 D10-PYRENE (S8#6)
101	*496 O14-TERPHENYL (S8#7)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
----	-----	------	------	-----	-----	------	------------	--------	------

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	152	479	7:08	1	1.000	A BB	139084.	40.000 NG	3.77
2	42	NOT FOUND							
3	79	NOT FOUND							
4	69	309	4:36	1	0.645	A BV	13364.	2.384 NG	0.22 No
5	89	NOT FOUND							
6	93	NOT FOUND							
7	88	NOT FOUND							
8	80	NOT FOUND							
9	102	NOT FOUND							
10	109	NOT FOUND							
11	94	NOT FOUND							
12	93	NOT FOUND							
13	167	NOT FOUND							
14	93	NOT FOUND							
15	128	NOT FOUND							
16	146	NOT FOUND							
17	91	NOT FOUND							
18	146	NOT FOUND							
19	106	NOT FOUND							
20	146	NOT FOUND							
21	108	NOT FOUND							
22	45	NOT FOUND							
23	108	NOT FOUND							
24	108	NOT FOUND							
25	100	NOT FOUND							
26	116	NOT FOUND							
27	105	NOT FOUND							
28	70	NOT FOUND							
29	106	NOT FOUND							
30	117	NOT FOUND							
31	136	595	8:52	31	1.000	A BB	439596.	40.000 NG	3.77
32	77	NOT FOUND							
33	114	NOT FOUND							
34	82	NOT FOUND							
35	107	NOT FOUND							
36	139	NOT FOUND							
37	180	NOT FOUND							
38	125	NOT FOUND							
39	122	NOT FOUND							
40	93	NOT FOUND							
41	162	NOT FOUND							
42	180	NOT FOUND							
43	128	NOT FOUND							
44	127	NOT FOUND							
45	162	NOT FOUND							
46	108	595	8:52	31	1.000	A BB	69308.	51.720 NG	4.87 No
47	91	NOT FOUND							
48	213	NOT FOUND							
49	225	NOT FOUND							
50	180	NOT FOUND							
51	159	NOT FOUND							
52	84	NOT FOUND							
53	107	NOT FOUND							
54	108	NOT FOUND							
55	162	NOT FOUND							
56	108	NOT FOUND							

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	%TOT
57	142	NOT FOUND							
58	142	NOT FOUND							
59	164	766	11:24	59	1.000	A BB	266712.	40.000 NG	3.77
60	216	NOT FOUND							
61	216	NOT FOUND							
62	237	NOT FOUND							
63	196	NOT FOUND							
64	196	NOT FOUND							
65	162	NOT FOUND							
66	162	NOT FOUND							
67	162	NOT FOUND							
68	216	NOT FOUND							
69	69	NOT FOUND							
70	158	NOT FOUND							
71	168	NOT FOUND							
72	163	NOT FOUND							
73	163	NOT FOUND							
74	152	NOT FOUND							
75	138	NOT FOUND							
76	193	NOT FOUND							
77	184	NOT FOUND							
78	109	NOT FOUND							
79	165	NOT FOUND							
80	168	NOT FOUND							
81	230	NOT FOUND							
82	143	NOT FOUND							
83	143	NOT FOUND							
84	232	NOT FOUND							
85	149	NOT FOUND							
86	97	NOT FOUND							
87	204	NOT FOUND							
88	166	NOT FOUND							
89	138	NOT FOUND							
90	152	NOT FOUND							
91	77	NOT FOUND							
92	188	912	13:35	92	1.000	A BB	379188.	40.000 NG	3.77
93	240	1187	17:41	93	1.000	A BB	253628.	40.000 NG	3.77
94	264	1430	21:18	94	1.000	A BB	194348.	40.000 NG	3.77
95	112	373	5:33	1	0.779	A BV	643888.	133.482 NG	12.57
96	99	449	6:41	1	0.937	A BB	628880.	111.163 NG	10.47
97	82	531	7:53	31	0.892	A BB	457088.	76.056 NG	7.16
98	172	699	10:25	59	0.913	A BB	676512.	79.679 NG	7.50
99	330	844	12:34	59	1.102	A BB	183912.	162.029 NG	19.26
100	212	1057	15:45	93	0.890	A BV	701396.	98.700 NG	9.29
101	244	1073	15:59	93	0.904	A BB	642480.	106.944 NG	10.07

NO	RET(L)	RATIO	RRT(L)	RATID	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATID
1	7:09	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:51		10.000			50.00		1.714	
3	3:51		10.000			50.00		1.539	
4	4:26	1.04	10.000	0.06	2.38	50.00	0.077	1.612	0.05
5	4:27		10.000			50.00		0.349	
6	4:49		20.000			50.00		1.613	
7	4:59		10.000			200.00		0.353	
8	5:23		10.000			50.00		1.051	
9	9:51		10.000			50.00		0.701	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:14		10.000			50.00		0.726	
11	6:43		10.000			50.00		2.089	
12	6:46		10.000			50.00		2.334	
13	6:47		10.000			50.00		0.598	
14	6:50		20.000			50.00		1.628	
15	6:55		10.000			50.00		1.507	
16	7:06		10.000			50.00		1.684	
17	7:11		10.000			50.00		3.222	
18	7:11		10.000			50.00		1.749	
19	7:21		10.000			50.00		0.879	
20	7:26		10.000			50.00		1.624	
21	7:30		10.000			50.00		1.240	
22	7:34		10.000			50.00		2.479	
23	7:42		10.000			100.00		1.359	
24	7:42		10.000			100.00		1.359	
25	7:43		10.000			50.00		0.771	
26	7:44		10.000			50.00		0.373	
27	7:43		10.000			50.00		2.167	
28	7:45		10.000			50.00		1.404	
29	7:46		10.000			50.00		1.637	
30	7:50		10.000			50.00		0.820	
31	8:53	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:57		10.000			50.00		0.572	
33	8:09		10.000			50.00		0.198	
34	8:16		10.000			50.00		1.027	
35	8:25		10.000			50.00		0.503	
36	8:23		10.000			50.00		0.251	
37	8:24		10.000			50.00		0.409	
38	8:26		10.000			50.00		0.757	
39	8:32		100.000			50.00		0.224	
40	8:33		10.000			50.00		0.492	
41	8:42		10.000			50.00		0.332	
42	8:50		10.000			50.00		0.394	
43	8:55		10.000			50.00		1.254	
44	9:00		10.000			50.00		0.483	
45	9:01		20.000			50.00		0.359	
46	8:53	1.00	10.000	0.10	51.72	50.00	0.126	0.122	1.03
47	9:11		10.000			50.00		0.143	
48	9:05		10.000			50.00		0.214	
49	9:10		10.000			50.00		0.224	
50	9:10		10.000			50.00		0.357	
51	9:15		20.000			50.00		0.452	
52	9:30		10.000			50.00		0.189	
53	9:40		10.000			50.00		0.456	
54	9:40		10.000			50.00		0.039	
55	9:45		10.000			50.00		0.308	
56	9:46		10.000			50.00		0.043	
57	9:53		10.000			50.00		1.096	
58	10:02		10.000			50.00		0.549	
59	11:25	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	10:10		10.000			100.00		0.584	
61	10:10		10.000			100.00		0.584	
62	10:13		10.000			50.00		0.258	
63	10:19		20.000			50.00		0.416	
64	10:22		20.000			50.00		0.359	
65	10:30		20.000			50.00		0.472	



NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
66	10:35		10.000			50.00		1.491	
67	10:36		10.000			50.00		0.959	
68	10:36		10.000			50.00		0.604	
69	10:46		10.000			50.00		0.552	
70	10:51		20.000			50.00		0.413	
71	10:56		20.000			50.00		0.247	
72	11:04		10.000			50.00		1.394	
73	11:10		10.000			50.00		0.339	
74	11:12		10.000			50.00		1.784	
75	11:22		20.000			50.00		0.374	
76	11:26		10.000			50.00		1.217	
77	11:31		40.000			50.00		0.164	
78	11:34		10.000			50.00		0.259	
79	11:44		10.000			50.00		0.495	
80	11:41		10.000			50.00		1.604	
81	11:44		10.000			50.00		0.509	
82	11:49		20.000			50.00		0.800	
83	11:55		20.000			50.00		0.927	
84	11:56		20.000			50.00		0.286	
85	12:05		10.000			50.00		1.510	
86	12:13		10.000			50.00		0.423	
87	12:11		10.000			50.00		0.569	
88	12:12		10.000			50.00		1.367	
89	12:15		20.000			50.00		0.380	
90	12:15		20.000			50.00		0.409	
91	12:25		10.000			50.00		2.396	
92	13:35	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	17:39	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	21:12	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:33	1.00	0.742	1.05	133.48	50.00	3.704	1.387	2.67
96	6:42	1.00	0.948	0.99	111.16	50.00	3.617	1.627	2.22
97	7:55	1.00	0.875	1.02	76.06	50.00	0.832	0.547	1.52
98	10:26	1.00	0.906	1.01	79.68	50.00	2.029	1.273	1.59
99	12:34	1.00	1.118	0.99	162.03	50.00	0.552	0.170	3.24
100	15:44	1.00	10.000	0.09	98.70	50.00	2.212	1.121	1.97
101	15:57	1.00	0.907	1.00	106.94	50.00	2.027	0.947	2.14

QUANTITATION REPORT FILE: GH040522C07  
DATA: GH040522C07.TI  
05/21/90 9:56:00 ✓  
SAMPLE: 1UL CC#J40522 ID#SBLK 93 <sup>12</sup> 3/2 ✓ CS#VARIDUS  
CONDS.: EXTRACTED 5/18/90 UNDILUTED  
SUBMITTED BY: 7 ANALYST: 917

DN 7

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

NO	NAME
1	*467 D10-PHENANTHRENE (IS#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (G4#2) <534-52-1>
3	443 N-NITROSDIPHENYLAMINE (G4#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	908 1,3,5-TRINITROBENZENE (I9#41)
6	539 PHENACETIN (I9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G4#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (I9#44)
10	433 HEXACHLOROBENZENE (G4#5) <118-74-1>
11	485 4-AMINOBIIPHENYL (I9#45)
12	522 PRONAMIDE (I9#46)
13	609 PENTACHLOROPHENOL (G4#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (I9#47)
15	444 PHENANTHRENE (G4#7) <85-01-8>
16	403 ANTHRACENE (G4#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G4#9) <84-74-2>
18	516 METHAPYRILENE (I9#48)
19	549 CYCLOPHOSPHAMIDE (I9#49)
20	431 FLUORANTHENE (G4#10) <206-44-0>
21	*459 D12-CHRYSENE (IS#5)
22	404 BENZIDINE (G5#2) <92-87-5>
23	445 PYRENE (G5#3) <129-00-0>
24	530 ARAMITE (I9#50) <140-57-4>
25	487 P-DIMETHYLAMINOAZOBENZENE (I9#51)
26	523 CHLOROBENZILATE (I9#52)
27	549 3,3'-DIMETHYLBENZIDINE (I9#53)
28	415 BUTYLBENZYL PHTHALATE (G5#4) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F3#2)
30	489 4,4'-METHYLENE-BIS(2-CHLORDANILINE) (I9#54)
31	423 3,3'-DICHLOROBENZIDINE (G5#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (I9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G5#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G5#6) <56-55-3>
35	418 CHRYSENE (G5#8) <218-01-9>
36	*497 D12-PERYLENE (IS#6)
37	429 DI-N-OCTYL PHTHALATE (G6#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G6#3) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (I9#55)
40	409 BENZO(K)FLUORANTHENE (G6#4) <207-08-9>
41	406 BENZO(A)PYRENE (G6#5) <50-32-8>
42	568 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C, D)PYRENE (G6#6) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G6#7) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (G6#8) <191-24-2>

NO NAME  
 47 576 DIALLATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	188	912	13:39	1	1.000	A BB	379188.	40.000 NG	32.98
2	198	NOT FOUND							
3	169	NOT FOUND							
4	169	NOT FOUND							
5	213	NOT FOUND							
6	108	NOT FOUND							
7	248	NOT FOUND							
8	234	NOT FOUND							
9	123	NOT FOUND							
10	284	NOT FOUND							
11	169	NOT FOUND							
12	173	NOT FOUND							
13	266	NOT FOUND							
14	237	NOT FOUND							
15	178	NOT FOUND							
16	178	NOT FOUND							
17	149	NOT FOUND							
18	97	NOT FOUND							
19	211	NOT FOUND							
20	202	NOT FOUND							
21	240	1187	17:41	21	1.000	A BB	253628.	40.000 NG	32.98
22	184	NOT FOUND							
23	202	NOT FOUND							
24	185	1073	15:59	21	0.904	A BB	1052.	1.300 NG	1.07 NG
25	225	NOT FOUND							
26	139	NOT FOUND							
27	212	NOT FOUND							
28	149	NOT FOUND							
29	181	NOT FOUND							
30	231	NOT FOUND							
31	252	NOT FOUND							
32	244	NOT FOUND							
33	149	NOT FOUND							
34	228	NOT FOUND							
35	228	NOT FOUND							
36	264	1430	21:18	36	1.000	A BB	194348.	40.000 NG.	32.98
37	149	NOT FOUND							
38	252	NOT FOUND							
39	256	NOT FOUND							
40	252	NOT FOUND							
41	252	NOT FOUND							
42	268	NOT FOUND							
43	279	NOT FOUND							
44	276	NOT FOUND							
45	278	NOT FOUND							
46	276	NOT FOUND							
47	234	NOT FOUND							

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	13:39	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	12:19		30.000			50.00		0.143 ✓	
3	12:22		10.000			100.00		0.751	
4	12:22		10.000			100.00		0.751	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:48		20.000			50.00		0.102	
6	12:50		10.000			50.00		0.347	
7	12:54		10.000			50.00		0.229	
8	12:50		10.000			25.00		0.131	
9	13:07		10.000			50.00		0.174	
10	13:08		10.000			50.00		0.291	
11	13:17		10.000			50.00		0.735	
12	13:24		10.000			50.00		0.378	
13	13:22		20.000			50.00		0.191	
14	13:30		10.000			50.00		0.083	
15	13:38		10.000			50.00		1.283	
16	13:41		10.000			50.00		1.124	
17	14:28		10.000			50.00		1.587	
18	14:56		20.000			50.00		0.452	
19	15:14		50.000			200.00		0.059	
20	15:25		10.000			50.00		1.104	
21	17:39	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	15:33		10.000			50.00		0.190	
23	15:45		10.000			50.00		1.349	
24	15:55	1.00	20.000	0.05	1.30	50.00	0.003	0.128	0.03
25	16:11		10.000			50.00		0.239	
26	16:15		10.000			50.00		0.699	
27	16:41		20.000			50.00		0.495	
28	16:43		10.000			50.00		0.804	
29	17:05		10.000			50.00		0.532	
30	17:32		10.000			50.00		0.203	
31	17:33		10.000			50.00		0.301	
32	17:31		10.000			50.00		0.163	
33	17:38		10.000			50.00		1.259	
34	17:37		10.000			50.00		1.164	
35	17:42		10.000			50.00		0.993	
36	21:12	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	18:55		10.000			50.00		2.290	
38	20:04		10.000			50.00		1.478	
39	20:05		10.000			50.00		0.529	
40	20:07		10.000			50.00		0.501	
41	21:03		10.000			50.00		1.165	
42	22:20		10.000			50.00		0.646	
43	24:40		10.000			50.00		0.898	
44	25:33		10.000			50.00		1.296	
45	25:38		10.000			50.00		1.059	
46	26:50		10.000			50.00		1.024	
47	12:57		10.000			25.00		0.168	

COMPUHEM LABS, INC.

05/21/90 9:56:00 + 5:40  
SAMPLE: JUL C08340522 10W50LK 73 71.34"  
CONDOS: EXTRACTED 5/18/90 UNDILUTED

OSMARTIOUS

MS LIBRARY SEARCH  
DATE: 05/22/87 # 380  
ENHANCED (108 2N 0T)  
DM 7

BASE M/Z: 69  
RIZ: 96511.

SAMPLE

1859

C12.H24

1859

M HT 169  
B PK 55  
RANK 1  
I 11812  
PUR 779

4-OODECENE, (E)-\*

CAS# 7286-15-7

C12.H24

1859

M HT 169  
B PK 55  
RANK 2  
I 11852  
PUR 774

CYCLOPENTANE, 1-HEXYL-3-METHYL-\*

CAS# 61142-68-5

C12.H24

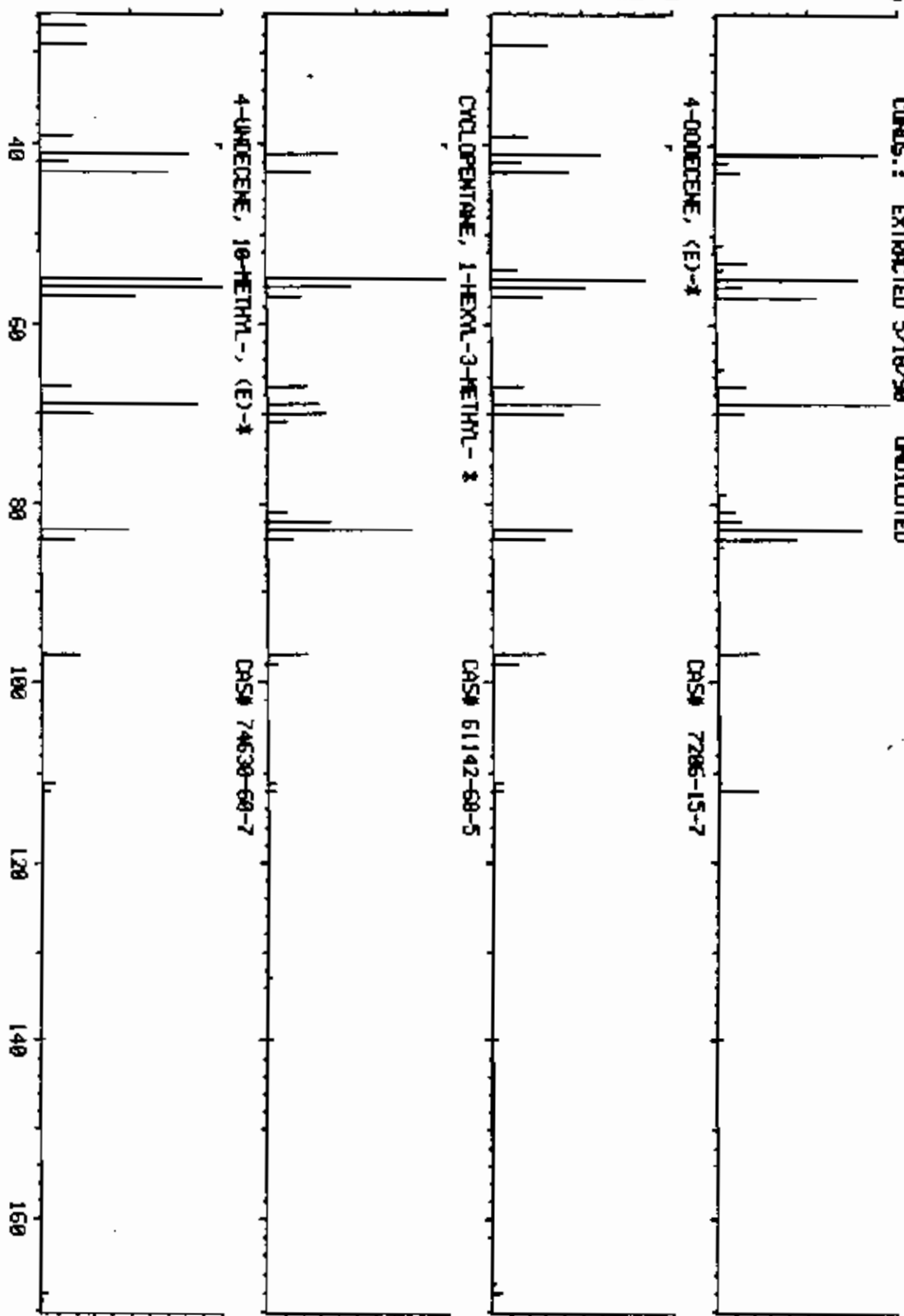
1859

M HT 169  
B PK 56  
RANK 3  
I 11863  
PUR 760

4-UNDECENE, 10-METHYL-, (E)-\*

CAS# 74630-60-7

N/Z



COMPUchem LABS, INC.

HID LIBRARY SEARCH

DATA: 08040522087 # 407

ENHANCED (100 2N 01)

ON 7

BASE #/2: 94

RIC: 242431.

05/21/98 9:55:00 + 6:04  
SAMPLE: 1UL CC0340522 10MSBLK 7J F2.4M  
COND.S: EXTRACTED 5/18/98 UNDILUTED

CS#UARI005

1000  
SAMPLE

CB.H19.0  
1000

1-OCTANOL (ACN) \*

CAS# 111-87-5

H.MT 130  
B.PK 84  
RANK 1  
# 4399  
PUR 784

CB.H18.0  
1000

1-HEPTANOL, 6-METHYL - \*

CAS# 1653-40-3

H.MT 130  
B.PK 69  
RANK 2  
# 4411  
PUR 699

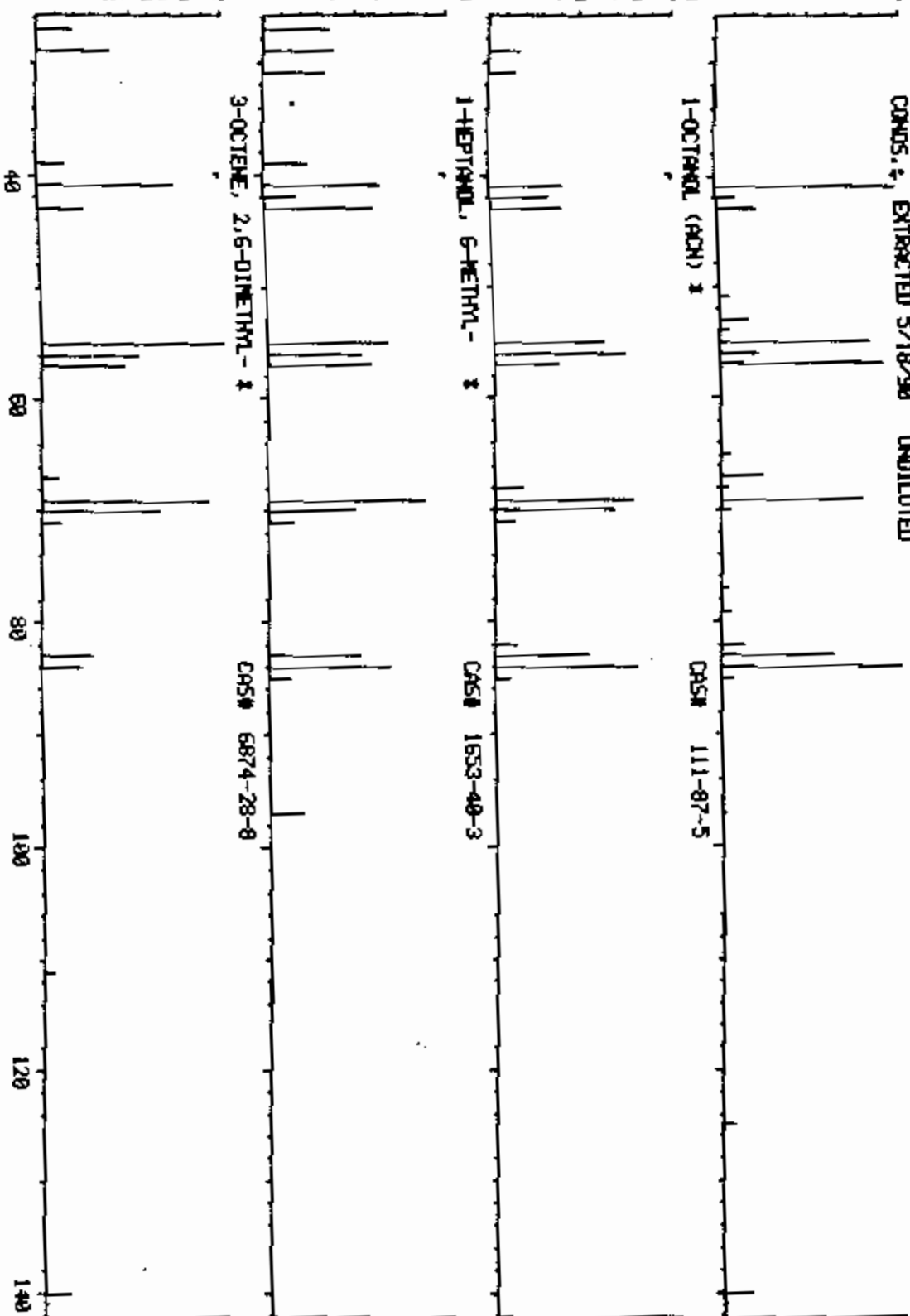
C10.H20  
1000

3-OCTENE, 2,6-DIMETHYL - \*

CAS# 6874-28-8

H.MT 140  
B.PK 55  
RANK 3  
# 5695  
PUR 693

M/Z



COMPUchem LABS, INC.

05/21/90 9:56:00 + 6:13  
SAMPLE: IUL C08348522 IONSBLK43 5%<sup>1</sup>-<sup>1</sup>  
CONDOS: + EXTRACTED 5/18/90 UNDILUTED

CSNUMBERIOUS

MS LIBRARY SEARCH  
DATE: 08040522087 # 417  
ENHANCED (100 2N 8T) ON 7

BASE N/Z: 43  
R/C: 62591.

SAMPLE

1344

C10.H20  
1344

1-OCTENE, 3-ETHYL-\*

CAS# 74630-08-3

M HT 140  
B PK 70  
RANK 1  
M 5740  
PUR 892

C8.H16  
1344

1-HEXENE, 4,5-DIMETHYL-\*

CAS# 16106-59-5

M HT 112  
B PK 43  
RANK 2  
M 2272  
PUR 853

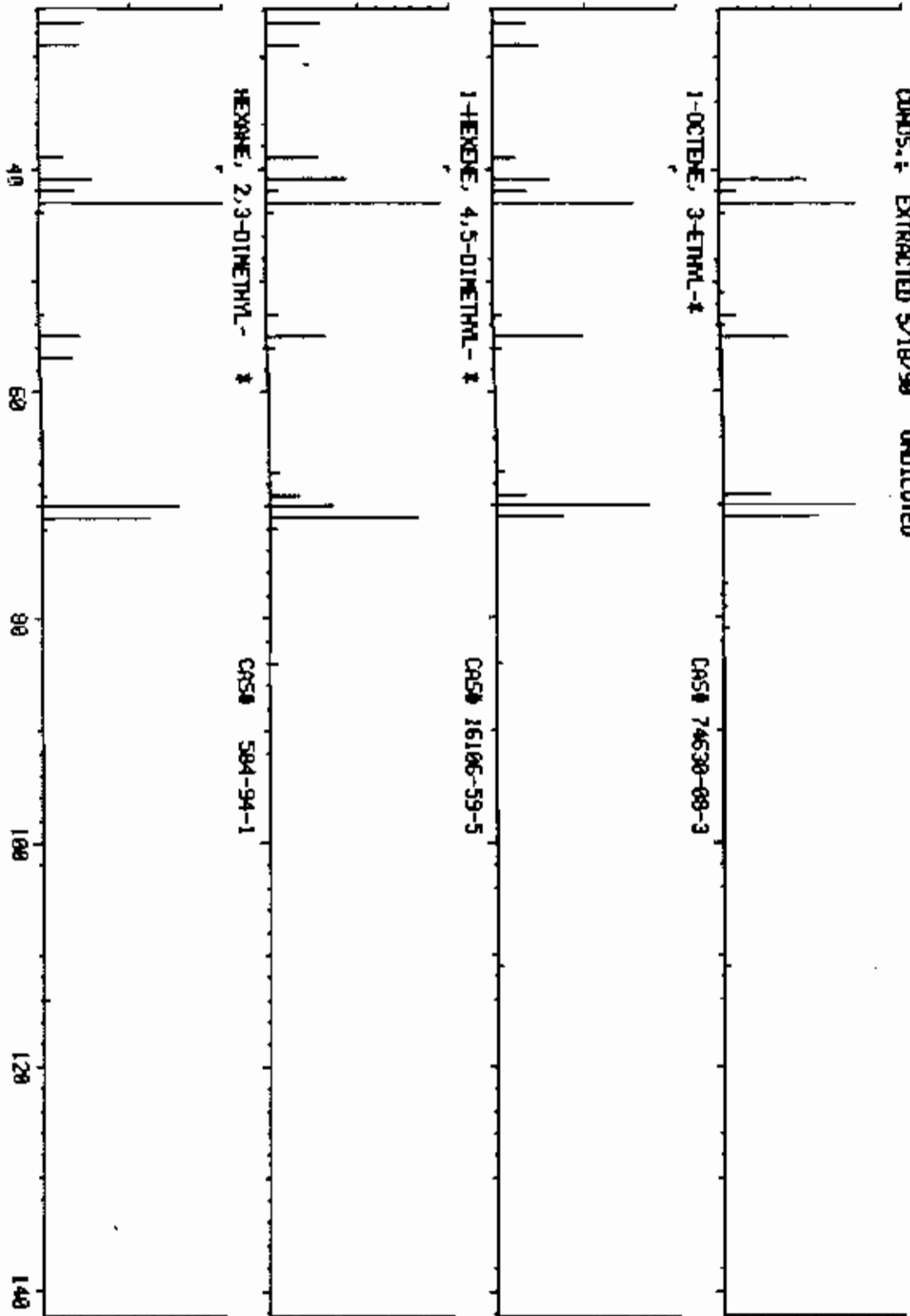
C8.H18  
1344

HEXANE, 2,3-DIMETHYL-\*

CAS# 594-94-1

M HT 114  
B PK 43  
RANK 3  
M 2554  
PUR 814

N/Z



COMPUDEC LABS, INC.

05/21/90 9:56:00 + 6:25  
SAMPLE: 1UL C0306522 IDMSBLK 42 87.114  
COND.: EXTRACTED 5/18/90 UNDILUTED

NID LIBRARY SEARCH  
DATA: C0306522C07 # 431  
ENHANCED (100 2N 0T)  
ON 7

BASE M/Z: 97  
R/C: 157695.

1109  
SAMPLE

C10.H20  
1109

N MT 140  
B PK 55  
RANK 3  
# 5679  
PUR 886

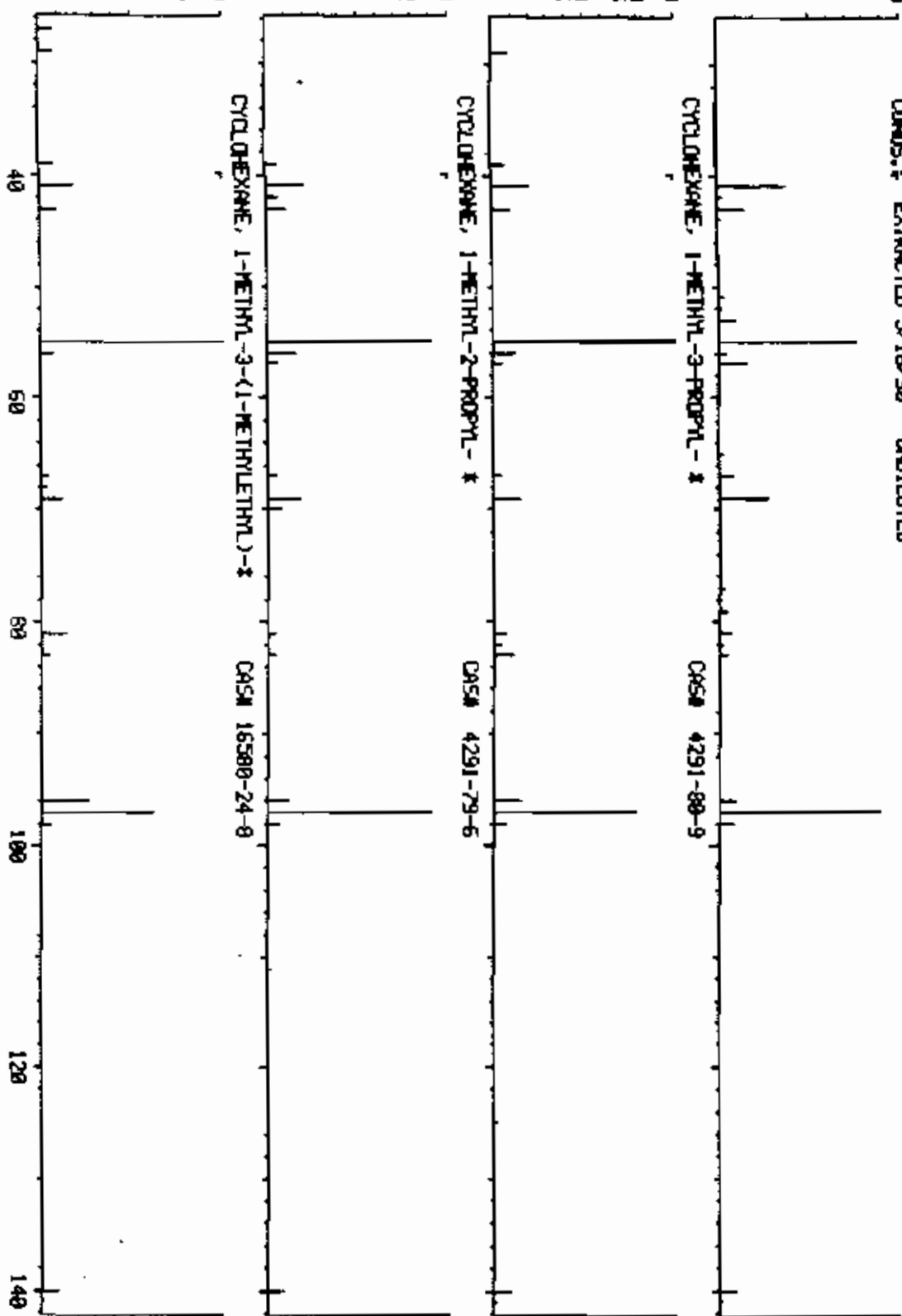
C10.H20  
1109

N MT 140  
B PK 97  
RANK 3  
# 5678  
PUR 879

C10.H20  
1109

N MT 140  
B PK 55  
RANK 3  
# 5695  
PUR 837

M/Z





LAB INSTRUCTIONS:

111457 5-6

CASE: VARIOUS

DUE DATE:

GC/MS WORKSHEET

COMPUCHEM#: 340522

RECEIVED  
DEPT. OF ENVIRONMENTAL PROTECTION  
MAY 6 8 1990  
J20 3 R21 3 021-1-0-112

SEMI-VOA + L.S. 3rd Ed 6U-846, METHODD 0270  
S-V EXTRACTION, EPA/METHOD 3510  
LOW LEVEL LIQUID

Sample Prep Code---079  
Instrument Code---280  
Compound List-----379  
Surrogate Std-----393  
Internal Std-----035

15 PEAK LIBRARY SEARCH REQUIRED

EPA#:

EPA#: SBK 93 503, 244

GC/MS ANALYSIS

Volumes mixed: BN 200 ul Acid 50 ul  
Internal Standard Volume Added 50 ul  
Mixed Sample Volume Injected 100 ul  
Date of Sample Bottle Analyzed 5/18/90  
JFTPP Filename DF900521.C07 Disk ( )  
Standard Filename HA900521.C07 Disk ( )  
Sample Filename EH040522.C07 Disk ( )

ANALYST(S): Injection 9.7 Gal Work-up 9.7

GC/MS REVIEW

CONDITION  
CODE

OK

Entry Codes OK, EA, JA, EB, AL, AH, PL, PH, FL, JS  
FH, NL, NH, YL, SL, SH, SM, YH

Non-Entry Codes IM, IL, IH, BU, CT, CS, PC, OT, NS  
ED, IF, LA, DI, CO, RM, DU, DA

Disposition:  Complete

Extraneous Peak Search Results:

# of Peaks Found: 4

# of Hits: 0

# of Surrogate Outliers: 0

Quality Assurance Notice(s):

# Notices Required 1

- Reinjection required  
 Reextraction required  
 Dilute ( ):1)  
 Reinject Neat  
 Send to QA

GC/MS Review [Signature] Date 5/24/90 Auditor [Signature] Date 5/24/90

REPORT INTEGRATION

Final Reportable Package(s): GH040522C07 Total # of Injections: 1

QA COMMENTS:

Initials \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

FINAL REVIEW:

Initials \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

AC516 (06/87)

# EXTRACTION WORKSHEET

Sample Volatiles/Non-volatiles  
CompuChem Laboratories Inc

DATE ASSIGNED 5/18/90

ASSIGNED TO: Arnold Anthony

EMP ID NUMBER 1733

QUEUE 127

SAMPLE NUMBER	PREP CODE	CASE #	CLIENT #	TYPE	QC SAMPLE		BOTTLE #	SAMPLE VOLUME(ml)	FINAL EXTRACT VOL. (ml)		ADJUSTED RE		COMMENTS
					ORIG NO.	NO.			ACID B/N	B/N	A	A	
1	33726R	079	8052 07005				183	500ml	0.5	8.5	13	1	Use 500ml sample volume for recovery. <i>At 100% recovery</i>
2	33726R		73500				183	500ml	0.5	0.5	13	1	Add 0.5ml water. Add 0.5ml spike.
3	33726R		73500 73500				189	500ml	0.5	0.5	13	1	Comp. to 0.5ml final volume. <i>At 100% recovery</i>
4													
5													
6													
7													
8													
9													
10													
11													
12													
13	34053R		SBLK 93	B1			11A	500ml	0.5	0.5	13	1	

SUBROGAT	NO.	8-VOL AMT.	ACID	BN	OTHER	OTHER
	393	0.5ml				
		320.71				
				3012	2021	valid spike

ISSUED BY: \_\_\_\_\_

SURROGATE & SPIKE ADDED CORRECTLY

APR 5/18/90  
INT DATE

MANUAL COUNTER 5101901

FINAL VOLUME VERIFIED Arnold Anthony

SUPERVISOR REVIEWED Arnold Anthony

EXTRACTS RECEIVED BY Arnold Anthony

CMP #	R/E	F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
494	132	I	D4-1,4-DICHLOROBENZENE (I8#	479	139000	40.0		
441	42		N-NITROSODIMETHYLAMINE (Q1#				BDL	10
481	79		PYRIDINE (Z9#1)				BDL	10
309	69		ETHYLMETHACRYLATE (T1#4)			<del>24</del>	<del>25</del> BDL	10
342	89		PARALDEHYDE (Z9#3)				BDL	10
310	93		2-PICOLINE (Z9#36)				BDL	20
335	88		NITROSOETHYLETHYLAMINE (Z9				BDL	10
343	80		METHYL METHANE SULFONATE (Z				BDL	10
499	102		N-NITROSODIETHYLAMINE (Z9#6				BDL	10
314	109		ETHYL METHANESULFONATE (Z9#				BDL	10
610	94		PHENOL (Q1#3)				BDL	10
473	93		ANILINE (Q1#4)				BDL	10
305	167		PENTACHLOROETHANE (Z9#8)				BDL	10
411	93		BIS(2-CHLOROETHYL)ETHER (Q1				BDL	20
601	128		2-CHLOROPHENOL (Q1#6)				BDL	10
421	146		1,3-DICHLOROBENZENE (Q1#7)				BDL	10
306	91		BENZYL CHLORIDE (Z9#9)				BDL	10
422	146		1,4-DICHLOROBENZENE (Q1#8)				BDL	10
474	108		BENZYL ALCOHOL (Q1#9)				BDL	10
420	146		1,2-DICHLOROBENZENE (Q1#10)				BDL	10
620	108		2-METHYLPHENOL (Q1#11)				BDL	10
412	45		BIS(2-CHLOROISOPROPYL)ETHER				BDL	10
621	108		3-METHYLPHENOL (F1#2)				BDL	10
622	108		4-METHYLPHENOL (Q1#13)				BDL	10
328	100		N-NITROSPYRROLIDINE (Z9#10)				BDL	10
344	116		N-NITROSMORPHOLINE (Z9#12)				BDL	10
300	105		ACETOPHENONE (Z9#11)				BDL	10
442	70		N-NITROSO-DI-N-PROPYLAMINE				BDL	10
312	106		O-TOLUIDINE HYDROCHLORIDE (				BDL	10
436	117		HEXACHLOROETHANE (Q1#15)				BDL	10
460	136	I	D8-NAPHTHALENE (I8#2)	395	440000	40.0		
440	77		NITROBENZENE (Q1#16)				BDL	10
302	114		N-NITROSODIPIPERIDINE (Z9#1				BDL	10
438	82		ISOPHORONE (Q2#2)				BDL	10
603	107		2,4-DIMETHYLPHENOL (Q2#4)				BDL	10
606	139		2-NITROPHENOL (Q2#3)				BDL	10
451	180		1,3,5-TRICHLOROBENZENE (Z9#				BDL	10
318	125		BENZAL CHLORIDE (Z9#16)				BDL	10
625	132		BENZOIC ACID (Q2#5)				BDL	100
410	93		BIS(2-CHLOROETHOXY)METHANE				BDL	10
602	162		2,4-DICHLOROPHENOL (Q2#7)				BDL	10
446	180		1,2,4-TRICHLOROBENZENE (Q2#				BDL	10
439	128		NAPHTHALENE (Q2#9)				BDL	10

CORRECTED/REVIEWED BY

S. D. Smith  
(GC/MS DATA REVIEWER)

DATE

5-24-90

COMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
475	127	4-CHLOROANILINE (Q2#10)				BDL	10
631	162	2,6-DICHLOROPHENOL (I9#18)				BDL	20
524	108	O-PHENYLENEDIAMINE (I9#19)			31.7	32 BDL	10
515	91	ALPHA, ALPHA DIMETHYLPHENETH				BDL	10
537	213	HEXACHLOROPROPENE (I9#21)				BDL	10
434	225	HEXACHLOROBUTADIENE (Q2#11)				BDL	10
450	180	1,2,3-TRICHLOROBENZENE (I9#				BDL	10
534	159	BENZOTRICHLORIDE (I9#23)				BDL	20
536	84	N-NITROSO-DI-N-BUTYLAMINE (				BDL	10
608	107	P-CHLORO-M-CRESOL (Q2#12)				BDL	10
526	108	P-PHENYLENEDIAMINE (I9#20)				BDL	10
503	162	SAFROLE (I9#27)				BDL	10
525	108	M-PHENYLENEDIAMINE (I9#26)				BDL	10
477	142	2-METHYLNAPHTHALENE (Q2#13)				BDL	10
569	142	1-METHYLNAPHTHALENE (T2#28)				BDL	10
495	164	I 010-ACENAPHTHENE (I5#3)	766	267000	40.0		
457	216	1,2,4,5-TETRACHLOROBENZENE				BDL	10
513	216	1,2,3,5-TETRACHLOROBENZENE				BDL	10
435	237	HEXACHLOROCYCLOPENTADIENE (				BDL	10
611	196	2,4,6-TRICHLOROPHENOL (Q3#3				BDL	20
626	196	2,4,5-TRICHLOROPHENOL (Q3#4				BDL	20
527	162	ISOSAFROLE (I9#30)				BDL	20
416	162	2-CHLORONAPHTHALENE (Q3#5)				BDL	10
564	162	1-CHLORONAPHTHALENE (F4#2)				BDL	10
456	216	1,2,3,4-TETRACHLOROBENZENE				BDL	10
478	65	2-NITROANILINE (Q3#6)				BDL	10
504	158	1,4-NAFTHOQUINONE (I9#32)				BDL	20
491	168	1,4-DINITROBENZENE (F3#2)				BDL	20
425	163	DIMETHYL PHTHALATE (Q3#7)				BDL	10
428	165	2,6-DINITROTOLUENE (Q3#15)				BDL	10
402	152	ACENAPHTHYLENE (Q3#9)				BDL	10
479	138	3-NITROANILINE (Q3#9)				BDL	20
401	153	ACENAPHTHENE (Q3#10)				BDL	10
605	184	2,4-DINITROPHENOL (Q3#11)				BDL	40
607	109	4-NITROPHENOL (Q3#12)				BDL	10
427	165	2,4-DINITROTOLUENE (Q3#14)				BDL	10
476	168	DIBENZOFURAN (Q3#13)				BDL	10
507	250	PENTACHLOROBENZENE (I9#33)				BDL	10
484	143	2-NAPHTHYLAMINE (I9#35)				BDL	20
483	143	1-NAPHTHYLAMINE (I9#36)				BDL	20
630	232	2,3,4,6-TETRACHLOROPHENOL (				BDL	20
424	149	DIETHYL PHTHALATE (Q3#16)				BDL	10
519	97	ZINOPHOS (I9#38)				BDL	10

CORRECTED/REVIEWED BY

L. Sherrill  
(GC/MS DATA REVIEWER)

DATE

5-24-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)	PAGE
417	204	4-CHLOROPHENYL PHENYL ETHER				BDL	1	
432	166	FLUORENE (G3#18)				BDL	1	
480	138	4-NITROANILINE (G3#19)				BDL	2	
498	152	5-NITRO-O-TOLUIDINE (Z9#34)				BDL	2	
430	77	1,2-DIPHENYLHYDRAZINE (A20B)				BDL	1	
467	188 I	D10-PHENANTHRENE (IS#4)	912	379000	40.0			
459	240 I	D12-CHRYSENE (IS#5)	1167	254000	40.0			
497	264 I	O12-PERYLENE (IS#6)	1430	194000	40.0			
619	112 S	2-FLUOROPHENOL (S5#1)			133.0	66. X		
612	99 S	D3-PHENOL (S5#2)			111.0	55. X		
447	82 S	D5-NITROBENZENE (S5#3)			76.1	76. X		
448	172 S	2-FLUOROBIPHENYL (S5#4)			79.7	80. X		
628	329 S	2,4,6-TRIBROMOPHENOL (S5#5)			162.0	81. X		
471	212 S	D10-PYRENE (S5#6)			98.7	99. X		
496	244 S	D14-TERPHENYL (S5#7)			107.0	107. X		
CHECKSUMS:								
		14269.	5369	1673000.	1061.6		54.	

CORRECTED/REVIEWED BY

L. Bend  
(GC/MS DATA REVIEWER)

DATE

5-24-90

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P	F
95	619	2-FLUOROPHENOL (SS#1)	133.0	200.0	66.	21-100	X	
96	612	D5-PHENOL (SS#2)	111.0	200.0	55.	10-94	X	
97	447	D5-NITROBENZENE (SS#3)	76.1	100.0	76.	35-114	X	
98	448	2-FLUOROBIPHENYL (SS#4)	79.7	100.0	80.	43-116	X	
99	628	2,4,6-TRIBROMOPHENOL (SS#5)	162.0	200.0	81.	10-123	X	
*1	471	D10-PYRENE (SS#6)	98.7	100.0	99.	40-130*	X	
*1	496	D14-TERPHENYL (SS#7)	107.0	100.0	107.	33-141	X	

\* ADVISORY SURROGATE ONLY

++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

## CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \frac{\text{DILUTION FACTOR}}{2} =$$

$$\frac{1000 \text{ ML}}{500 \text{ ML}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

## QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{1000 \text{ UL}}{\text{VOLUME SURROGATE ADDED (UL)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \frac{\text{DILUTION FACTOR}}{2} =$$

$$\frac{1000 \text{ UL}}{500 \text{ UL}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 9

CORRECTED/REVIEWED BY

L. Hand  
(QC/MS DATA REVIEWER)

DATE

5-24-90

COMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
467	188	I D10-PHENANTHRENE (1804)	912	379000	40.0		
604	198	4,6-DINITRO-2-METHYLPHENOL				BDL	3
443	169	N-NITROSODIPHENYLAMINE (G400)				BDL	1
567	169	DIPHENYLAMINE (F303)				BDL	1
508	213	1,3,5-TRINITROBENZENE (Z904)				BDL	2
539	108	PHENACETIN (Z9042)				BDL	1
414	248	4-BROMOPHENYL PHENYL ETHER				BDL	1
577	234	DIALATE (TRANS ISOMER)				BDL	1
541	129	DIMETHOATE (Z9044)				BDL	1
433	284	HEXACHLOROBENZENE (G405)				BDL	1
485	169	4-AMINOBIIPHENYL (Z9045)				BDL	1
522	173	PRONAMIDE (Z9046)				BDL	1
609	266	PENTACHLOROPHENOL (G406)				BDL	2
453	237	PENTACHLORONITROBENZENE (Z9047)				BDL	1
444	178	PHENANTHRENE (G407)				BDL	1
403	178	ANTHRACENE (G408)				BDL	1
426	149	DI-N-BUTYL PHTHALATE (G409)				BDL	1
516	97	METHAPYRILENE (Z9048)				BDL	2
549	211	CYCLOPHOSPHAMIDE (Z9049)				BDL	5
431	202	FLUDRANTHENE (G410)				BDL	1
459	240	I D12-CHRYSENE (1809)	1187	254000	40.0		
404	184	BENZIDINE (G502)				BDL	1
445	202	PYRENE (G503)				BDL	1
530	185	ARAHITE (Z9050)				BDL	2
487	225	P-DIMETHYLAMINOAZOBENZENE (				BDL	1
523	139	CHLOROBENZILATE (Z9052)				BDL	1
549	212	3,3'-DIMETHYLBENZIDINE (Z9053)				BDL	2
415	149	BUTYLBENZYL PHTHALATE (G504)				BDL	1
488	181	2-ACETYLAMINO FLUORENE (P50)				BDL	1
489	231	4,4'-METHYLENE-BIS(2-CHLORO				BDL	1
423	252	3,3'-DICHLOROBENZIDINE (G505)				BDL	1
533	244	DIMETHOXYBENZIDINE (Z9057)				BDL	1
413	149	BIS(2-ETHYLHEXYL) PHTHALATE				BDL	1
405	228	BENZO(A)ANTHRACENE (G506)				BDL	1
418	228	CHRYSENE (G508)				BDL	1
497	264	I D12-PERYLENE (1806)	1430	194000	40.0		
429	149	DI-N-OCTYL PHTHALATE (G602)				BDL	1
407	252	BENZO(B)FLUDRANTHENE (G603)				BDL	1
517	256	7,12-DIMETHYLBENZANTHRACENE				BDL	1
409	252	BENZO(K)FLUDRANTHENE (G604)				BDL	1
406	252	BENZO(A)PYRENE (G605)				BDL	1
565	268	3-METHYLCHLORANTHRENE (F602)				BDL	1
566	279	DIBENZO(A, J)ACRIDINE				BDL	1

CORRECTED/REVIEWED BY

L. H. Smith  
(GC/MS DATA REVIEWER)

DATE

5-24-90

CMP					QUANT	REPORTED	DETECT.
#	M/E	F	COMPOUND NAME	SCAN	REPORT	AMOUNT	LIMIT
					VALUE	(UG/L)	(UG/L)
437	276		INDENO(1,2,3-C,D)PYRENE (G6			BDL	1
419	278		DIBENID(A,H)ANTHRACENE (G6#			BDL	1
405	276		BENZO(G,H,1)PERYLENE (G6#B)			BDL	1
576	234		DIALATE (CIS ISOMER)			BDL	1
531	234		DIALATE (TOTAL)			BDL	1
CHECKSUMS:							
	10115.			3529	827000.	121.3	1.

CORRECTED/REVIEWED BY

*S. Hunt*  
(QC/MS DATA REVIEWER)

DATE

5-24-90



CORRECTION FACTOR CALCULATION:

1000 ML		DILUTION
-----	X FINAL EXTRACT VOLUME (ML) X	FACTOR X 2 =
VOL SAMPLE EXTRACTED (ML)		

1000 ML					
-----	X	0.5ML X	1.0 X 1 =	1.000	
500 ML					

=====

VERSION 9

CORRECTED/REVIEWED BY *S. Bent*  
 (QC/MS DATA REVIEWER)

DATE 5-24-90



#### QUALITY ASSURANCE NOTICE

Surrogate standards are added to all samples being processed for organic analyses. These standards contain one or more compounds intended to analytically mimic the responses or recoveries of the target compounds of interest. The recovery of the surrogate compound is compared to a control limit range to determine whether or not the laboratory's analytical system was in control at the time of sample processing.

In most cases, these control limits have been mandated by a referenced method or statement-of-work (the Contract Laboratory Program, for example). For some methods, however, the surrogate control limit range has not been established. In such instances, the laboratory has generated "advisory" ranges based on method validation studies performed internally and initial experience with the method on "real world" samples. These ranges are used to guide the analyst in evaluating the data. Statistically-based control limits, which will be used to determine whether or not a particular analysis must be repeated, will be generated as soon as sufficient historical data is accumulated.

Robert J. Whitehead  
Manager, Quality Assurance

**(3) Matrix Spike Data**

- (a) Tabulated results (Form 1) of nonspiked TCL compounds. Form 1 SV - TIC not required.**
- (b) Reconstructed ion chromatogram (a) and quantitation report (a) or legible facsimile (GC/MS). Spectra not required.**

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

73800103MS

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: 337386  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH037386B06  
 Level: (low/med) LOW Date Received: 05/08/90  
 † Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/10/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/10/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
62-75-9	N-Nitrosodimethylamine	10	U
110-86-1	Pyridine	10	U
97-63-2	Ethyl methacrylate	10	U
123-63-7	Paraldehyde	10	U
109-06-8	2-Picoline	20	U
10595-95-6	Nitrosomethylethylamine	10	U
66-27-3	Methyl methanesulfonate	10	U
108-95-2	Phenol	10	U
55-18-5	N-Nitrosodiethylamine	10	U
62-50-5	Ethyl methanesulfonate	10	U
62-53-3	Aniline	10	U
76-01-7	Pentachloroethane	10	U
111-44-4	bis(2-Chloroethyl) Ether	20	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
100-44-7	Benzyl chloride	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl) Ether	10	U
108-39-4	3-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
930-55-2	N-Nitrosopyrrolidine	10	U
59-89-2	N-Nitrosomorpholine	10	U
98-86-2	Acetophenone	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
636-21-5	o-Toluidine hydrochloride	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
100-75-4	N-Nitrosopiperidine	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U

108-70-3-----	1,3,5-Trichlorobenzene	10	U
98-87-3-----	Benzal chloride	10	U
65-85-0-----	Benzoic Acid	3	J
111-91-1-----	bis(2-Chloroethoxy)Methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
B7-65-0-----	2,6-Dichlorophenol	20	U
95-54-5-----	o-Phenylenediamine	10	U
122-09-8-----	dimethylphenylethylamine	10	U
1888-71-7-----	Hexachloropropane	10	U
B7-68-3-----	Hexachlorobutadiene	10	U
87-61-6-----	1,2,3-Trichlorobenzene	10	U
98-07-7-----	Benzotrichloride	20	U
924-16-3-----	N-Nitroso-di-n-butylamine	10	U
59-50-7-----	4-Chloro-3-Methylphenol	10	U
106-50-3-----	P-Phenylenediamine	10	U
94-59-7-----	Safrole	10	U
106-50-3-----	m-Phenylenediamine	10	U
91-57-6-----	2-Methylnaphthalene	10	U
90-12-0-----	1-Methylnaphthalene	10	U
95-94-3-----	1,2,4,5-Tetrachlorobenzene	10	U
634-90-2-----	1,2,3,5-Tetrachlorobenzene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	20	U
95-95-4-----	2,4,5-Trichlorophenol	20	U
120-58-1-----	Isosafrole	20	U
91-58-7-----	2-Chloronaphthalene	10	U
90-13-1-----	1-Chloronaphthalene	10	U
634-66-2-----	1,2,3,4-Tetrachlorobenzene	10	U
88-74-4-----	2-Nitroaniline	10	U
130-15-4-----	1,4-Naphthoquinone	20	U
100-25-4-----	1,4-Dinitrobenzene	20	U
111-11-3-----	Dimethyl Phthalate	10	U
208-96-8-----	Acenaphthylene	10	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

73800103MS

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: 337386  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH037386B06  
 Level: (low/med) LOW Date Received: 05/08/90  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/10/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/10/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	40	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
608-93-5	Pentachlorobenzene	10	U
134-32-7	2-Naphthylamine	20	U
606-20-2	2,6-Dinitrotoluene	10	U
134-32-7	1-Naphthylamine	20	U
58-90-2	2,3,4,6-Tetrachlorophenol	20	U
84-66-2	Diethylphthalate	10	U
297-97-2	Zinophos	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
99-55-8	5-Nitro-o-toluidine	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
122-39-4	Diphenylamine	10	U
99-35-4	1,3,5-Trinitrobenzene	20	U
122-66-7	1,2-Diphenylhydrazine	10	U
62-44-2	Phenacetin	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
2303-16-4	Diallate	10	U
60-51-5	Dimethoate	10	U
118-74-1	Hexachlorobenzene	10	U
92-67-1	4-Aminobiphenyl	10	U
23950-58-5	Pronamide	10	U
87-86-5	Pentachlorophenol	20	U
82-68-8	Pentachloronitrobenzene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-2

1/87 Rev.

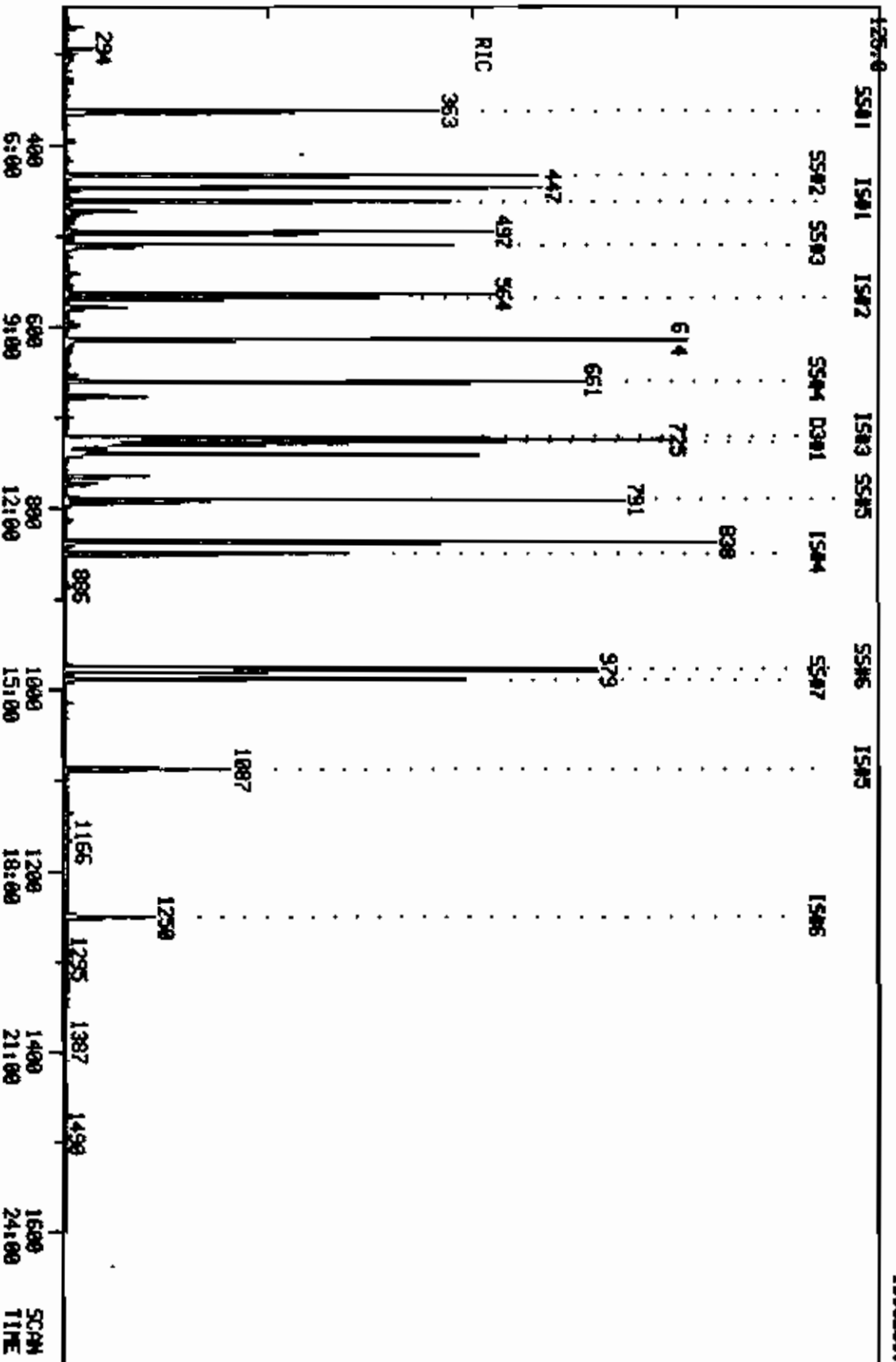
91-80-5-----Methapyrilene	20	U
50-18-0-----Cyclophosphamide	50	U
206-44-0-----Fluoranthene	10	U
92-87-5-----Benzidine	10	U
129-00-0-----Pyrene	10	U
140-57-8-----Aramite	20	U
60-11-7-----p-Dimethylaminoazobenzene	10	U
510-15-6-----Chlorobenzilate	10	U
119-93-7-----3,3'-Dimethylbenzidine	20	U
85-68-7-----Butylbenzylphthalate	10	U
51-96-3-----2-Acetylaminofluorene	10	U
101-14-4-----Methylene-bis(2-chloroaniline	10	U
91-94-1-----3,3'-Dichlorobenzidine	10	U
106-51-4-----3,3'-Dimethoxybenzidine	10	U
56-55-3-----Benzo(a)Anthracene	10	U
218-01-9-----Chrysene	10	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	10	U
117-84-0-----Di-n-Octyl Phthalate	10	U
205-99-2-----Benzo(b) Fluoranthene	10	U
57-97-6-----7,12-Dimethylbenzanthracene	10	U
207-08-9-----Benzo(k) Fluoranthene	10	U
50-32-8-----Benzo(a) Pyrene	10	U
56-49-5-----3-Methylcholanthrene	10	U
224-42-0-----Dibenzo(a,j)acridine	10	U
193-39-5-----Indeno(1,2,3-cd)Pyrene	10	U
53-70-3-----Dibenz(a,h)Anthracene	10	U
191-24-2-----Benzo(g,h,i)Perylene	10	U

(1) \* Cannot be separated from Diphenylamine

RIC  
 05/10/90 23:40:00  
 SAMPLE 1UL, C08337386 10M73880183 HS  
 COND. 1 EXTRACTED 05/10/90 UNDILUTED

COMPUTEN LABS  
 COMPUTEN DATA: 08037388886 SC085 247 TO 1600  
 CS#20124 ON 6 OUT OF 247 TO 1600

1930739.





QUANTITATION REPORT FILE: GH037386806  
DATA: GH037386806.T1  
05/10/90 23:40:00  
SAMPLE: 1UL CC0337386 ID#73800103 MS C8820124  
CONDS.: EXTRACTED 05/10/90 UNDILUTED  
SUBMITTED BY: 6 ANALYST: 1090

ON 6

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I801)
2	441 N-NITROSODIMETHYLAMINE (G102) <62-75-9>
3	481 PYRIDINE (Z901)
4	509 ETHYLMAHACRYLATE (Z902)
5	542 PARALDEHYDE (Z903)
6	510 2-PICOLINE (Z9056)
7	535 NITROSOMETHYLETHYLAMINE (Z904) <10595-95-6>
8	543 METHYL METHANE SULFONATE (Z905) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z906)
10	514 ETHYL METHANESULFONATE (Z907) <62-90-0>
11	610 PHENOL (B103) <108-95-2>
12	473 ANILINE (G104) <62-53-3>
13	505 PENTACHLOROETHANE (Z908)
14	411 BIS(2-CHLOROETHYL)ETHER (G105) <111-44-4>
15	601 2-CHLOROPHENOL (G106) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G107) <541-73-1>
17	506 BENZYL CHLORIDE (Z909)
18	422 1,4-DICHLOROBENZENE (G108) <106-46-7>
19	474 BENZYL ALCOHOL (G109) <100-51-6>
20	420 1,2-DICHLOROBENZENE (B1010) <95-50-1>
21	620 2-METHYLPHENOL (G1011) <95-48-7>
22	412 BIS(2-CHLORODISOPROPYL)ETHER (G1012) <39638-32-9>
23	621 3-METHYLPHENOL (F102) <108-39-4>
24	622 4-METHYLPHENOL (G1013) <106-44-5>
25	528 N-NITROBOPYRROLIDINE (Z9010) <930-95-2>
26	544 N-NITROSOMORPHOLINE (Z9012) <59-89-2>
27	500 ACETOPHENONE (Z9011)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1014) <621-64-7>
29	512 D-TOLUIDINE HYDROCHLORIDE (Z9013)
30	436 HEXACHLOROETHANE (G1015) <67-72-1>
31	*460 D8-NAPHTHALENE (I802)
32	440 NITROBENZENE (G1016) <98-95-3>
33	502 N-NITROSODIPIPERIDINE (Z9014)
34	438 ISOPHORONE (G202) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G204) <105-67-9>
36	606 2-NITROPHENOL (G203) <88-75-5>
37	451 1,3,5-TRICHLOROBENZENE (Z9022) <180-20-3>
38	518 BENZAL CHLORIDE (Z9016) <98-87-3>
39	625 BENZOIC ACID (G205) <65-85-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G206) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G207) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G208) <120-82-1>
43	439 NAPHTHALENE (G209) <91-20-3>
44	475 4-CHLOROANILINE (G2010) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z9018)
46	524 O-PHENYLENEDIAMINE (Z9019) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (I9817) <122-09-8>
48	537 HEXACHLOROPROPENE (I9821) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2811) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (I9819) <87-61-6>
51	534 BENZOTRICHLORIDE (I9823) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (I9824) <924-16-3>
53	608 P-CHLORO-P-CRESOL (Q2812) <59-50-7>
54	526 P-PHENYLENEDIAMINE (I9820) <108-45-2>
55	503 SAFROLE (I9827)
56	525 M-PHENYLENEDIAMINE (I9826) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2813) <91-57-6>
58	569 1-METHYLNAPHTHALENE (I2828) <90-12-0>
59	*495 D10-ACENAPHTHENE (I883)
60	457 1,2,4,5-TETRACHLOROBENZENE (I9831) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (I9829) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q382) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q383) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q384) <95-95-4>
65	527 ISOSAFROLE (I9830) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q385) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F482)
68	456 1,2,3,4-TETRACHLOROBENZENE (I9828) <634-66-2>
69	478 2-NITROANILINE (Q386) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (I9832)
71	491 1,4-DINITROBENZENE (F382) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q387) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3815) <606-20-2>
74	402 ACENAPHTHYLENE (Q388) <208-96-8>
75	479 3-NITROANILINE (Q389) <99-09-2>
76	401 ACENAPHTHENE (Q3810) <83-32-9>
77	6605 2,4-DINITROPHENOL (Q3811) <51-28-4>
78	607 4-NITROPHENOL (Q3812) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3814) <121-14-2>
80	476 DIBENZOFURAN (Q3813) <132-64-9>
81	507 PENTACHLOROBENZENE (I9833)
82	484 2-NAPHTHYLAMINE (I9835)
83	483 1-NAPHTHYLAMINE (I9836)
84	630 2,3,4,6-TETRACHLOROPHENOL (I9837)
85	424 DIETHYL PHTHALATE (Q3816) <84-66-2>
86	519 ZINOPHOS (I9838)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3817) <7005-72-3>
88	432 FLUORENE (Q3818) <86-73-7>
89	480 4-NITROANILINE (Q3819) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (I9834)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (I9839)
92	*467 D10-PHENANTHRENE (I884)
93	*459 D12-CHRYSENE (I885)
94	*497 D12-PERYLENE
95	6619 2-FLUOROPHENOL (8881)
96	6612 D5-PHENOL (8882)
97	6447 D5-NITROBENZENE (8883)
98	6448 2-FLUOROBIPHENYL (8884)
99	6628 2,4,6-TRIBROMOPHENOL (8885)
100	6471 D10-PYRENE
101	*496 D14-TERPHENYL (8886)

NO	M/E	SCAN	TIME	REF	RRT	NETH	AREA(HOHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
1	152	462	6:56	1	1.000	A BB	131332.	40.000 NG	2.04
2	42	NOT FOUND							
3	79	NOT FOUND							
4	69	NOT FOUND							
5	89	NOT FOUND							
6	93	NOT FOUND							
7	88	NOT FOUND							
8	80	NOT FOUND							
9	102	NOT FOUND							
10	109	NOT FOUND							
11	94	434	6:31	1	0.939	A BB	432292.	81.665 NG	4.16 Y
12	93	NOT FOUND							
13	167	NOT FOUND							
14	93	NOT FOUND							
15	128	447	6:42	1	0.968	A BB	538128.	111.847 NG	5.70 Y
16	146	463	6:57	1	1.002	A BB	299576.	57.382 NG	2.92 NO
17	91	NOT FOUND							
18	146	463	6:57	1	1.002	A BB	299576.	57.434 NG	2.93 Y
19	108	NOT FOUND							
20	146	NOT FOUND							
21	108	NOT FOUND							
22	43	NOT FOUND							
23	108	NOT FOUND							
24	108	NOT FOUND							
25	100	NOT FOUND							
26	116	NOT FOUND							
27	109	NOT FOUND							
28	70	497	7:27	1	1.076	A BB	293368.	70.130 NG	3.57 Y
29	106	NOT FOUND							
30	117	NOT FOUND							
31	136	569	8:32	31	1.000	A BB	426272.	40.000 NG	2.04
32	77	NOT FOUND							
33	114	NOT FOUND							
34	82	NOT FOUND							
35	107	NOT FOUND							
36	139	NOT FOUND							
37	180	NOT FOUND							
38	125	NOT FOUND							
39	122	541	8:07	31	0.951	A BB	2736.	1.562 NG	0.08 Y
40	93	NOT FOUND							
41	162	NOT FOUND							
42	180	564	8:28	31	0.991	A BB	292684.	62.435 NG	3.18 Y
43	128	NOT FOUND							
44	127	NOT FOUND							
45	162	NOT FOUND							
46	108	569	8:32	31	1.000	A BB	62020.	46.945 NG	2.39 NO
47	91	564	8:28	31	0.991	A BB	11764.	56.499 NG	2.88 NO
48	213	NOT FOUND							
49	225	NOT FOUND							
50	180	NOT FOUND							
51	159	NOT FOUND							
52	84	599	8:59	31	1.053	A BB	14580.	6.057 NG	0.31 NO
53	107	614	9:13	31	1.079	A BV	486564.	102.972 NG	5.25 Y
54	108	614	9:13	31	1.079	A BB	40324.	98.381 NG	5.01 NO
55	162	NOT FOUND							
56	108	620	9:18	31	1.090	A BB	112.	5.539 NG	0.28 NO

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
57	142	NOT FOUND							
58	142	NOT FOUND							
59	164	722	10:50	59	1.000	A BB	257456.	40.000 NG	2.04
60	216	NOT FOUND							
61	216	NOT FOUND							
62	237	NOT FOUND							
63	196	NOT FOUND							
64	196	NOT FOUND							
65	162	NOT FOUND							
66	162	NOT FOUND							
67	162	NOT FOUND							
68	216	NOT FOUND							
69	65	NOT FOUND							
70	158	NOT FOUND							
71	168	NOT FOUND							
72	163	NOT FOUND							
73	165	NOT FOUND							
74	152	NOT FOUND							
75	138	NOT FOUND							
76	153	725	10:53	59	1.004	A BB	506232.	68.459 NG	3.49 <sup>Y</sup>
77	184	NOT FOUND							
78	109	730	10:57	59	1.011	A BV	180560.	102.579 NG	5.23 <sup>Y</sup>
79	165	741	11:07	59	1.026	A BB	242584.	79.757 NG	4.06 <sup>Y</sup>
80	168	NOT FOUND							
81	250	NOT FOUND							
82	143	NOT FOUND							
83	143	NOT FOUND							
84	232	NOT FOUND							
85	149	NOT FOUND							
86	97	NOT FOUND							
87	204	NOT FOUND							
88	166	NOT FOUND							
89	138	NOT FOUND							
90	152	NOT FOUND							
91	77	NOT FOUND							
92	188	851	12:46	92	1.000	A BB	381512.	40.000 NG	2.04
93	240	1087	16:18	93	1.000	A BB	255140.	40.000 NG	2.04
94	264	1250	18:45	94	1.000	A BB	203804.	40.000 NG	2.04
95	112	363	5:27	1	0.786	A BB	426500.	106.745 NG	5.44
96	99	433	6:30	1	0.937	A BB	431884.	89.977 NG	4.59
97	82	510	7:39	31	0.896	A BB	379128.	68.713 NG	3.50
98	172	661	9:55	59	0.916	A BB	631868.	76.414 NG	3.89
99	330	791	11:52	59	1.096	A BB	237316.	169.454 NG	8.63
100	212	978	14:40	93	0.900	A BV	731460.	101.563 NG	5.18
101	244	988	14:49	93	0.909	A BV	652800.	99.933 NG	5.09

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	6:58	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:58		10.000			50.00		0.953	
3	3:56		10.000			50.00		0.993	
4	4:26		10.000			50.00		1.155	
5	4:26		10.000			50.00		0.238	
6	4:48		20.000			50.00		1.241	
7	5:00		10.000			50.00		1.181	
8	5:22		10.000			50.00		0.985	
9	5:47		10.000			50.00		0.663	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:08		10.000			50.00		0.741	
11	6:32	1.00	10.000	0.09	81.64	50.00	2.633	1.612	1.63
12	6:37		10.000			50.00		1.827	
13	6:37		10.000			50.00		0.597	
14	6:41		20.000			50.00		1.741	
15	6:44	1.00	10.000	0.10	111.89	50.00	3.278	1.465	2.24
16	6:55	1.00	10.000	0.10	57.38	50.00	1.825	1.590	1.15
17	6:59		10.000			50.00		2.679	
18	6:59	1.00	10.000	0.10	57.43	50.00	1.825	1.589	1.15
19	7:08		10.000			50.00		0.937	
20	7:13		10.000			50.00		1.601	
21	7:16		10.000			50.00		1.262	
22	7:19		10.000			50.00		3.208	
23	7:26		10.000			100.00		1.105	
24	7:26		10.000			100.00		1.105	
25	7:31		10.000			50.00		0.723	
26	7:32		10.000			50.00		0.402	
27	7:29		10.000			50.00		2.046	
28	7:30	0.99	10.000	0.11	70.13	50.00	1.787	1.274	1.40
29	7:33		10.000			50.00		1.637	
30	7:35		10.000			50.00		0.987	
31	8:34	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:43		10.000			50.00		0.566	
33	7:54		10.000			50.00		0.209	
34	7:59		10.000			50.00		1.033	
35	8:06		10.000			50.00		0.348	
36	8:07		10.000			50.00		0.209	
37	8:06		10.000			50.00		0.374	
38	8:09		10.000			50.00		0.754	
39	8:11	0.99	100.000	0.01	1.56	50.00	0.005	0.164	0.03
40	8:14		10.000			50.00		0.569	
41	8:23		10.000			50.00		0.359	
42	8:30	0.99	10.000	0.10	62.43	50.00	0.549	0.440	1.25
43	8:36		10.000			50.00		1.139	
44	8:41		10.000			50.00		0.439	
45	8:41		20.000			50.00		0.368	
46	8:35	0.99	10.000	0.10	46.95	50.00	0.116	0.124	0.94
47	8:30	0.99	10.000	0.10	56.50	50.00	0.022	0.020	1.13
48	8:44		10.000			50.00		0.320	
49	8:47		10.000			50.00		0.291	
50	8:49		10.000			50.00		0.416	
51	8:54		20.000			50.00		0.564	
52	9:05	0.99	10.000	0.11	6.06	50.00	0.027	0.226	0.12
53	9:15	1.00	10.000	0.11	102.97	50.00	0.913	0.443	2.06
54	9:15	1.00	10.000	0.11	98.38	50.00	0.076	0.038	1.97
55	9:21		10.000			50.00		0.312	
56	9:21	1.00	10.000	0.11	5.54	50.00	0.000	0.002	0.11
57	9:29		10.000			50.00		0.937	
58	9:38		10.000			50.00		0.558	
59	10:53	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	9:44		10.000			100.00		0.616	
61	9:44		10.000			100.00		0.616	
62	9:45		10.000			50.00		0.363	
63	9:52		20.000			50.00		0.432	
64	9:55		20.000			50.00		0.437	
65	10:01		20.000			50.00		0.490	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC (L)	RATIO
66	10:08		10.000			50.00		1.231	
67	10:10		10.000			50.00		1.019	
68	10:08		10.000			50.00		0.618	
69	10:18		10.000			50.00		0.578	
70	10:22		20.000			50.00		0.460	
71	10:27		20.000			50.00		0.275	
72	10:32		10.000			50.00		1.469	
73	10:39		10.000			50.00		0.355	
74	10:41		10.000			50.00		1.792	
75	10:50		20.000			50.00		0.355	
76	10:55	1.00	10.000	0.10	68.46	50.00	1.573	1.149	1.37
77	10:58		40.000			50.00		0.171	
78	11:00	1.00	10.000	0.10	102.58	50.00	0.561	0.273	2.05
79	11:10	1.00	10.000	0.10	79.76	50.00	0.754	0.473	1.60
80	11:07		10.000			50.00		1.658	
81	11:08		10.000			50.00		0.632	
82	11:14		20.000			50.00		0.624	
83	11:20		20.000			50.00		0.579	
84	11:19		20.000			50.00		0.334	
85	11:25		10.000			50.00		1.674	
86	11:33		10.000			50.00		0.458	
87	11:31		10.000			50.00		0.621	
88	11:34		10.000			50.00		1.353	
89	11:38		20.000			50.00		0.331	
90	11:38		20.000			50.00		0.409	
91	11:45		10.000			50.00		2.557	
92	12:48	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	18:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:29	0.99	0.742	1.06	106.79	50.00	2.598	1.217	2.13
96	6:32	1.00	0.948	0.99	90.00	50.00	2.631	1.462	1.80
97	7:42	0.99	0.875	1.02	68.71	50.00	0.712	0.518	1.37
98	9:58	1.00	0.906	1.01	76.41	50.00	1.963	1.285	1.53
99	11:54	1.00	1.118	0.98	169.45	50.00	0.737	0.218	3.39
100	14:42	1.00	10.000	0.09	101.56	50.00	2.294	1.129	2.03
101	14:52	1.00	0.907	1.00	99.93	50.00	2.047	1.024	2.00

QUANTITATION REPORT FILE: GH037386B06  
DATA: GH037386B06.TI  
05/10/90 23:40:00  
SAMPLE: 1UL CC#337386 ✓ ID#73800103 MB CS#20124 ✓  
CONDS.: EXTRACTED 05/10/90 UNDILUTED  
SUBMITTED BY: 6 ANALYST: 1090

DN 6

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

NO	NAME
1	*467 D10-PHENANTHRENE (I8#4)
2	604 4,6-DINITRO-2-METHYLPHENOL (04#2) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (04#3) <86-30-6>
4	567 DIPHENYLAMINE (F3#3)
5	508 1,3,5-TRINITROBENZENE (I9#41)
6	539 PHENACETIN (I9#42) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (04#4) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (I9#44)
10	433 HEXACHLOROBENZENE (04#5) <118-74-1>
11	469 4-AMINOBIPHENYL (I9#45)
12	522 PRONAMIDE (I9#46)
13	609 PENTACHLOROPHENOL (04#6) <87-86-5>
14	453 PENTACHLORONITROBENZENE (I9#47)
15	444 PHENANTHRENE (04#7) <85-01-8>
16	403 ANTHRACENE (04#8) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (04#9) <84-74-2>
18	516 METHAPYRILENE (I9#48)
19	549 CYCLOPHOSPHAMIDE (I9#49)
20	431 FLUORANTHENE (04#10) <206-44-0>
21	*459 D12-CHRYSENE (I8#5)
22	404 BENZIDINE (05#2) <92-87-5>
23	445 PYRENE (05#3) <129-00-0>
24	530 ARAMITE (I9#50) <140-97-4>
25	487 P-DIMETHYLAMINDAZOBENZENE (I9#51)
26	523 CHLOROBENZILATE (I9#52)
27	545 3,3'-DIMETHYLBENZIDINE (I9#53)
28	419 BUTYLBENZYL PHTHALATE (05#4) <85-68-7>
29	489 2-ACETYLAMIND FLUORENE (F5#2)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (I9#54)
31	423 3,3'-DICHLOROBENZIDINE (05#5) <91-94-1>
32	533 DIMETHOXYBENZIDINE (I9#57)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (05#7) <117-81-7>
34	405 BENZO(A)ANTHRACENE (05#6) <56-55-3>
35	418 CHRYSENE (05#8) <218-01-9>
36	*497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (06#2) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (06#3) <205-99-2>
39	517 7,12-DIMETHYLBENZIANTHRACENE (I9#55)
40	409 BENZO(K)FLUORANTHENE (06#4) <207-08-9>
41	406 BENZO(A)PYRENE (06#5) <90-32-8>
42	565 3-METHYLCHLORANTHRENE (F6#2)
43	566 DIBENZO(A,J)ACRIDINE
44	437 INDENO(1,2,3-C,D)FYRENE (06#6) <193-39-5>
45	419 DIBENZO(A,H)ANTHRACENE (06#7) <53-70-3>
46	408 BENZO(Q,H,I)PERYLENE (06#8) <191-24-2>

NO NAME  
 47 576 DIALATE (CIS ISOMER)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	188	851	12:46	1	1.000	A BB	381512.	40.000 NG	8.85
2	198	NOT FOUND							
3	169	NOT FOUND							
4	169	NOT FOUND							
5	213	NOT FOUND							
6	108	NOT FOUND							
7	248	NOT FOUND							
8	234	NOT FOUND							
9	125	NOT FOUND							
10	284	NOT FOUND							
11	169	838	12:34	1	0.985	A BB	44476.	7.667 NG	1.70 <sup>No</sup>
12	173	NOT FOUND							
13	266	838	12:34	1	0.985	A BB	292636.	151.096 NG	33.43 <sup>Y</sup>
14	237	NOT FOUND							
15	178	NOT FOUND							
16	178	NOT FOUND							
17	149	NOT FOUND							
18	97	NOT FOUND							
19	211	NOT FOUND							
20	202	979	14:41	1	1.150	A BV	832390.	75.209 NG	16.64 <sup>No</sup>
21	240	1087	16:18	21	1.000	A BB	255140.	40.000 NG	8.85
22	184	NOT FOUND							
23	202	979	14:41	21	0.901	A BV	832390.	97.969 NG	21.68 <sup>Y</sup>
24	185	NOT FOUND							
25	225	NOT FOUND							
26	139	NOT FOUND							
27	212	NOT FOUND							
28	149	NOT FOUND							
29	181	NOT FOUND							
30	231	NOT FOUND							
31	252	NOT FOUND							
32	244	NOT FOUND							
33	149	NOT FOUND							
34	228	NOT FOUND							
35	228	NOT FOUND							
36	264	1250	18:45	36	1.000	A BB	203804.	40.000 NG	8.85
37	149	NOT FOUND							
38	252	NOT FOUND							
39	256	NOT FOUND							
40	252	NOT FOUND							
41	252	NOT FOUND							
42	268	NOT FOUND							
43	279	NOT FOUND							
44	276	NOT FOUND							
45	278	NOT FOUND							
46	276	NOT FOUND							
47	234	NOT FOUND							

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	12:46	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	11:40		30.000			50.00		0.160	
3	11:42		10.000			100.00		0.649	
4	11:42		10.000			100.00		0.649	



NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:06		20.000			50.00		0.113	
6	12:06		10.000			50.00		0.514	
7	12:09		10.000			50.00		0.252	
8	12:05		10.000			25.00		0.161	
9	12:23		10.000			90.00		0.165	
10	12:23		10.000			90.00		0.353	
11	12:32	1.00	10.000	0.10	7.67	90.00	0.093	0.608	0.15
12	12:34		10.000			50.00		0.458	
13	12:36	1.00	20.000	0.05	151.10	50.00	0.614	0.203	3.02
14	12:42		10.000			50.00		0.133	
15	12:50		10.000			50.00		1.182	
16	12:53		10.000			50.00		1.149	
17	13:30		10.000			50.00		1.761	
18	13:56		20.000			50.00		0.369	
19	14:15		90.000			200.00		0.025	
20	14:25	1.02	10.000	0.12	75.21	50.00	1.745	1.160	1.50
21	16:32	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	14:33		10.000			50.00		0.076	
23	14:44	1.00	10.000	0.09	97.97	50.00	2.610	1.332	1.96
24	14:54		20.000			50.00		0.183	
25	15:05		10.000			50.00		0.243	
26	15:06		10.000			50.00		0.792	
27	15:32		20.000			50.00		0.446	
28	15:31		10.000			50.00		0.903	
29	15:54		10.000			50.00		0.460	
30	16:15		10.000			50.00		0.201	
31	16:17		10.000			50.00		0.305	
32	16:13		10.000			50.00		0.170	
33	16:15		10.000			50.00		1.252	
34	16:20		10.000			50.00		1.151	
35	16:24		10.000			50.00		1.044	
36	18:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:07		10.000			90.00		2.730	
38	18:03		10.000			100.00		0.967	
39	18:04		10.000			50.00		0.589	
40	18:03		10.000			100.00		0.967	
41	18:42		10.000			50.00		1.091	
42	19:30		10.000			90.00		0.656	
43	21:00		10.000			90.00		0.961	
44	21:38		10.000			50.00		1.384	
45	21:38		10.000			50.00		1.189	
46	22:29		10.000			50.00		1.086	
47	12:12		10.000			25.00		0.221	

LAB INSTRUCTIONS:

111101 3-6

CASE: 20124

DUE DATE:

GC/MS WORKSHEET

COMPUCHENB: 337386

JE ] RE ] DE ] ( : 1)

J2: ] R2: ] D2: ] ( : 1)

SEMI-VOA + L.S. 3rd Ed 84-B46, METHOD 8270  
S-V EXTRACTION, EPA/METHOD 3510  
LOW LEVEL LIQUID

Sample Prep Code---079  
Instrument Code---280  
Compound List---379  
Surrogate Std---393  
Internal Std---035

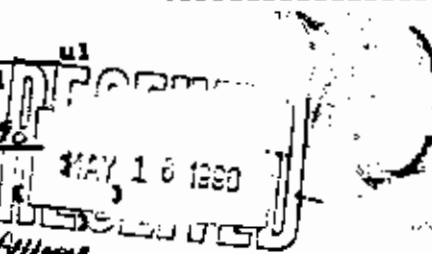
15 PEAK LIBRARY SEARCH REQUIRED

BASE:

EPA# 73800103 MS

GC/MS ANALYSIS

Volumes mixed: BN 200 ul Acid        ul  
Internal Standard Volume Added        ul  
Mixed Sample Volume Injected 10 ul  
Date of Sample Bottle Analyzed 5/10/90  
JFTPP Filename JF900510B06 Disk (        )  
Standard Filename HL900510B06 Disk (        )  
Sample Filename GH037386B06 Disk (        )



ANALYST(S): Injection 1096 Billone Workup 917

GC/MS REVIEW

CONDITION CODE

OK

Entry Codes OK, EA, JA, ES, AL, AH, PL, PH, FL, JS, FH, NL, NH, YL, SL, SH, SM, TH

Non-Entry Codes IH, IL, IN, SU, CT, CS, PC, OT, NS, ED, IF, LA, DI, CO, RN, OW, DA

*Comp 5/12/90*

Disposition:  Complete

Extraneous Peak Search Results:

# of Peaks Found: 6

# of Hits: 12

# of Surrogate Outliers: 0

Quality Assurance Notice(s):

# Notices Required 1

- Reinjection required
- Reextraction required
- Dilute ( : 1)
- Reinject Next
- Send to QA

GC/MS Review Billone Date 5/14/90 Auditor Paul Date 5/14/90

REPORT INTEGRATION

Final Reportable Package(s): GH037386B06 Total # of Injections:       

QA COMMENTS:

FINAL REVIEW:

Initials        Date       

Initials        Date       

ACS16 (06/87)

ASSIGNED TO: A.B.D. Anzick & Downing

**EXTRACTION WORKSHEET**  
 Semi-volatile/Miscellaneous  
 CompuChem Laboratories Inc

DATE ASSIGNED 5/10/90

EMP ID NUMBER 1733

QUEUE 127

SAMPLE NUMBER	PREP CODE	CASE #	CLIENT #	QC SAMPLE		BOTTLE #	SAMPLE VOLUME(ml)	FINAL EXTRACT VOL. (ml)		ADJUSTED PH		COMMENTS
				TYPE	ORIG. NO.			SV	ACID	BN	A	
1	337387	20124		SS	337383	203	500ml	10ml	10ml	13	1	50% 77% Also 50% sample volume for SS only
2	337387			SS	337383	203	500ml	10ml	10ml	13	1	Add 0.5ml con. Add 0.5ml spike.
3	337387			BS		203	1000ml	10ml	10ml	13	1	Conc. to 0.5ml final volume
4	337381		738 00101			183	1000ml	10ml	10ml	13	1	W add 1.0 ml water to spike for BS only
5	337382		73800 73870 73870 73870			203	1000ml	10ml	10ml	13	1	USE 337381 BOTTLES for QC
6	337383		73800 73870 73870			183	1000ml	10ml	10ml	13	1	
7	337385		73800 73870			203	1000ml	10ml	10ml	13	1	
8	337311		20071 GMS			183	1000ml	10ml	10ml	13	1	
9	337312		20015 FPD RCB-D BOTTLES			203	1000ml	10ml	10ml	13	1	
10	335591R					203	1000ml	10ml	10ml	13	1	
11												
12												
13	337915		SBLX 70 B1				1000ml	10ml	10ml	13	1	

SURROGAT	NO. AMT. LOT	B-VOL	ACID	BN	OTHER	OTHER	SMBL	NO. AMT. LOT	3012	2021	31880	32861	31338	valid
														spike
	983													
	10ml													
	3922													
	10ml													
	10ml													
	10ml													

ISSUED BY: \_\_\_\_\_

1733

SURROGATE & SPIKE ADDED CORRECTLY

AP 5/10/90  
 MT DATE

MANUAL COUNTER 510/886  
 FINAL VOLUME VERIFIED  
 SUPERVISOR REVIEWED Bonita Downing  
 EXTRACTS RECEIVED BY C. Downing 5/10

COMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
494	132 I	D4-1,4-DICHLOROBENZENE (I8#	462	131000	40.0		
441	42	N-NITROSODIMETHYLAMINE (G1#				BDL	1
481	79	PYRIDINE (Z9#1)				BDL	1
509	69	ETHYLACRYLATE (Z9#2)				BDL	1
542	89	PARALDEHYDE (Z9#3)				BDL	1
510	93	2-PICOLINE (Z9#5)				BDL	2
535	88	NITROSOMETHYLETHYLAMINE (Z9				BDL	1
543	80	METHYL METHANE SULFONATE (Z				BDL	1
499	102	N-NITROSODIETHYLAMINE (Z9#				BDL	1
514	109	ETHYL METHANESULFONATE (Z9				BDL	1
610	94	PHENOL (G1#3)			81.7	82	1
473	93	ANILINE (G1#4)				BDL	1
505	167	PENTACHLOROETHANE (Z9#8)				BDL	1
411	93	BIS(2-CHLOROETHYL)ETHER (G1				BDL	2
601	128	2-CHLOROPHENOL (G1#6)			112.0	110	1
421	146	1,3-DICHLOROBENZENE (G1#7)			<del>57.4</del>	<del>57</del> BDL	1
506	91	BENZYL CHLORIDE (Z9#9)				BDL	1
422	146	1,4-DICHLOROBENZENE (G1#8)			57.4	57	1
474	108	BENZYL ALCOHOL (G1#9)				BDL	1
420	146	1,2-DICHLOROBENZENE (G1#10)				BDL	1
620	108	2-METHYLPHENOL (G1#11)				BDL	1
412	43	BIS(2-CHLOROISOPROPYL)ETHER				BDL	1
621	108	3-METHYLPHENOL (F1#2)				BDL	1
622	108	4-METHYLPHENOL (G1#13)				BDL	1
528	100	N-NITROSPYRROLIDINE (Z9#10)				BDL	1
544	116	N-NITROSOMORPHOLINE (Z9#12)				BDL	1
500	105	ACETOPHENONE (Z9#11)				BDL	1
442	70	N-NITROSO-DI-N-PROPYLAMINE			70.1	70	1
512	106	O-TOLUIDINE HYDROCHLORIDE (				BDL	1
436	117	HEXACHLOROETHANE (G1#15)				BDL	1
460	136 I	D8-NAPHTHALENE (I8#2)	569	426000	40.0		
440	77	NITROBENZENE (G1#16)				BDL	1
502	114	N-NITROSODIPIPERIDINE (Z9#				BDL	1
438	82	ISOPHORONE (G2#2)				BDL	1
603	107	2,4-DIMETHYLPHENOL (G2#4)				BDL	1
606	139	2-NITROPHENOL (G2#3)				BDL	1
451	180	1,3,5-TRICHLOROBENZENE (Z9				BDL	1
518	129	BENZAL CHLORIDE (Z9#16)				BDL	1
625	122	BENZOIC ACID (G2#5)			1.6	2J	10
410	93	BIS(2-CHLOROETHOXY)METHANE				BDL	1
602	162	2,4-DICHLOROPHENOL (G2#7)				BDL	1
446	180	1,2,4-TRICHLOROBENZENE (G2#			62.4	62	1
439	128	NAPHTHALENE (G2#9)				BDL	1

CORRECTED/REVIEWED BY

S. Hunt  
(GC/MS DATA REVIEWER)

DATE

5-14-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
475	127	4-CHLORDANILINE (Q2810)				BDL	1
631	162	2,6-DICHLOROPHENOL (Z9818)				BDL	2
524	108	O-PHENYLENEDIAMINE (Z9819)			26.7	27 BDL	1
515	91	ALPHA, ALPHA DIMETHYLPHENETH			36.3	35 BDL	1
537	213	HEXACHLOROPROPENE (Z9821)				BDL	1
434	225	HEXACHLOROBUTADIENE (Q2811)				BDL	1
450	180	1,2,3-TRICHLOROBENZENE (Z98				BDL	1
534	139	BENZOTRICHLORIDE (Z9823)				BDL	2
536	84	N-NITROSO-DI-N-BUTYLAMINE (			6.4	6.4 BDL	1
608	107	P-CHLORD-N-CREOSOL (Q2812)			103.0	100	1
526	108	P-PHENYLENEDIAMINE (Z9820)			28.4	28 BDL	1
503	162	SAFROLE (Z9827)				BDL	1
525	108	M-PHENYLENEDIAMINE (Z9826)			3.5	3.5 BDL	1
477	142	2-METHYLNAPHTHALENE (Q2813)				BDL	1
569	142	1-METHYLNAPHTHALENE (T2828)				BDL	1
495	164	1 DIO-ACENAPHTHENE (I883)	722	257000	40.0		1
457	216	1,2,4,5-TETRACHLOROBENZENE				BDL	1
513	216	1,2,3,5-TETRACHLOROBENZENE				BDL	1
435	236	HEXACHLOROCYCLOPENTADIENE (				BDL	1
611	196	2,4,6-TRICHLOROPHENOL (Q383				BDL	2
626	196	2,4,5-TRICHLOROPHENOL (Q384				BDL	2
527	162	ISOSAFROLE (Z9830)				BDL	2
416	162	2-CHLORONAPHTHALENE (Q385)				BDL	1
564	162	1-CHLORONAPHTHALENE (F482)				BDL	1
456	216	1,2,3,4-TETRACHLOROBENZENE				BDL	1
478	65	2-NITROANILINE (Q386)				BDL	1
504	158	1,4-NAPHTHOQUINONE (Z9832)				BDL	2
491	168	1,4-DINITROBENZENE (F382)				BDL	2
425	163	DIMETHYL PHTHALATE (Q387)				BDL	1
428	165	2,6-DINITROTOLUENE (Q3815)				BDL	1
402	152	ACENAPHTHYLENE (Q388)				BDL	1
479	138	3-NITROANILINE (Q389)				BDL	2
401	153	ACENAPHTHENE (Q3810)			68.5	68	1
605	184	2,4-DINITROPHENOL (Q3811)				BDL	4
607	109	4-NITROPHENOL (Q3812)			103.0	100	1
427	165	2,4-DINITROTOLUENE (Q3814)			79.8	80	1
476	168	DIBENZOFURAN (Q3813)				BDL	1
507	250	PENTACHLOROBENZENE (Z9833)				BDL	1
484	143	2-NAPHTHYLAMINE (Z9835)				BDL	2
483	143	1-NAPHTHYLAMINE (Z9836)				BDL	2
630	231	2,3,4,6-TETRACHLOROPHENOL (				BDL	2
424	149	DIETHYL PHTHALATE (Q3816)				BDL	1
519	97	ZINOPHOS (Z9838)				BDL	1

CORRECTED/REVIEWED BY

S. Beant  
(GC/MS DATA REVIEWER)

DATE

5-14-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
417	204	4-CHLOROPHENYL PHENYL ETHER				BDL	1
432	166	FLUORENE (03018)				BDL	1
480	130	4-NITROANILINE (03019)				BDL	2
498	152	5-NITRO-O-TOLUIDINE (29034)				BDL	2
430	77	1,2-DIPHENYLHYDRAZINE (A108)				BDL	1
467	188 I	D10-PHENANTHRENE (1804)	851	382000	40.0		
439	240 I	D12-CHRYSENE (1805)	1087	255000	40.0		
497	264 I	D12-PERYLENE	1250	204000	40.0		
619	112 B	2-FLUOROPHENOL (8801)			107.0	53.2	
612	99 B	D5-PHENOL (8802)			90.0	45.2	
447	82 B	D5-NITROBENZENE (8803)			68.7	69.2	
448	172 B	2-FLUOROBIPHENYL (8804)			76.4	76.2	
628	330 B	2,4,6-TRIBROMOPHENOL (8805)			169.0	84.2	
471	212 B	D10-PYRENE			102.0	102.2	
496	244 B	D14-TERFHENYL (8806)			99.9	100.2	
CHECKSUMS:							
		14268.	4941	1655000.	1963.3	1001.	

CORRECTED/REVIEWED BY

S. Hunt  
(GC/MS DATA REVIEWER)

DATE

5/14/90

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	Z ++ RECOVERY	CONTROL RANGE	P
99	619	2-FLUOROPHENOL (SS#1)	107.0	200.0	53.	21-100	X
96	612	D5-PHENOL (SS#2)	90.0	200.0	45.	10-94	X
97	447	D5-NITROBENZENE (SS#3)	68.7	100.0	69.	35-114	X
98	448	2-FLUOROBIPHENYL (SS#4)	76.4	100.0	76.	43-116	X
99	628	2,4,6-TRIBROMOPHENOL (SS#5)	169.0	200.0	84.	10-123	X
*1	471	D10-PYRENE	102.0	100.0	102.	40-130*	X
*1	496	D14-TERPHENYL (SS#6)	99.9	100.0	100.	33-141	X

\* ADVISORY SURROGATE ONLY

++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \frac{\text{DILUTION FACTOR}}{2} =$$

$$\frac{1000 \text{ ML}}{500 \text{ ML}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{1000 \text{ UL}}{\text{VOLUME SURROGATE ADDED (UL)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \frac{\text{DILUTION FACTOR}}{2} =$$

$$\frac{1000 \text{ UL}}{500 \text{ UL}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 9

CORRECTED/REVIEWED BY *S. Powell*  
(GC/MS DATA REVIEWER)

DATE 5-14-90

COMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UO/L)	DETECT. LIMIT (UO/L)
467	188	I D10-PHENANTHRENE (18#4)	891	382000	40.0		
604	198	4,6-DINITRO-2-METHYLPHENOL				BDL	2
443	169	N-NITROSODIPHENYLAMINE (G4#)				BDL	1
567	169	DIPHENYLAMINE (F3#3)				BDL	1
508	213	1,3,5-TRINITROBENZENE (Z9#4)				BDL	2
539	108	PHENACETIN (Z9#42)				BDL	1
414	248	4-BROMOPHENYL PHENYL ETHER				BDL	1
577	234	DIALATE (TRANS ISOMER)				BDL	1
541	125	DIMETHOATE (Z9#44)				BDL	1
433	284	HEXACHLOROBENZENE (G4#5)				BDL	1
489	169	4-AMINOBIPHENYL (Z9#45)				BDL	1
522	173	PRONAMIDE (Z9#46)				BDL	1
609	266	PENTACHLOROPHENOL (G4#6)			151.0	150	2
453	236	PENTACHLORONITROBENZENE (Z9#7)				BDL	1
444	178	PHENANTHRENE (G4#7)				BDL	1
403	178	ANTHRACENE (G4#8)				BDL	1
426	149	DI-N-BUTYL PHTHALATE (G4#9)				BDL	1
516	97	METHAPYRILENE (Z9#48)				BDL	2
549	211	CTCLOPHOSPHAMIDE (Z9#49)				BDL	2
431	202	FLUORANTHENE (G4#10)			28.2	28 BDL	1
459	240	I D12-CHRYSENE (18#5)	1087	255000	40.0		
404	184	BENZIDINE (G5#2)				BDL	1
445	202	PYRENE (G5#3)			98.0	98	1
530	185	ARAMITE (Z9#50)				BDL	2
487	225	P-DIMETHYLAMINDAZOBENZENE (G5#4)				BDL	1
523	139	CHLOROBENZILATE (Z9#52)				BDL	1
545	212	3,3'-DIMETHYLBENZIDINE (Z9#53)				BDL	2
415	149	BUTYLBENZYL PHTHALATE (G5#4)				BDL	1
488	181	2-ACETYLAMINO FLUORENE (F5#)				BDL	1
489	231	4,4'-METHYLENE-BIS(2-CHLORO)				BDL	1
423	252	3,3'-DICHLOROBENZIDINE (G5#)				BDL	1
533	244	DIMETHOXYBENZIDINE (Z9#57)				BDL	1
413	149	BIS(2-ETHYLHEXYL) PHTHALATE				BDL	1
409	228	BENZO(A)ANTHRACENE (G5#6)				BDL	1
418	228	CHRYSENE (G5#8)				BDL	1
497	264	I D12-PERYLENE	1290	204000	40.0		
429	149	DI-N-OCTYL PHTHALATE (G6#2)				BDL	1
407	252	BENZO(B)FLUORANTHENE (G6#3)				BDL	1
517	256	7,12-DIMETHYLBENZANTHRACENE				BDL	1
409	252	BENZO(K)FLUORANTHENE (G6#4)				BDL	1
406	252	BENZO(A)PYRENE (G6#5)				BDL	1
569	268	3-METHYLCHLORANTHRENE (F6#2)				BDL	1
566	279	DIBENZO(A, J)ACRIDINE				BDL	1

CORRECTED/REVIEWED BY

*J. Smith*  
(QC/MS DATA REVIEWER)

DATE

5-14-90



CMP	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
437	276	INDENO(1,2,3-C,D)PYRENE (G6				BDL	
419	278	DIBENZO(A,H)ANTHRACENE (G69				BDL	
408	276	BENZO(G,H,I)PERYLENE (G69B)				BDL	
976	234	DIALATE (CIS ISOMER)				BDL	
931	234	DIALATE (TOTAL)				BDL	
CHECKSUMS:							
		10114.	3188	841000.		451.9	331.

CORRECTED/REVIEWED BY

S. R. Smith  
(GC/MS DATA REVIEWER)

DATE

5-14-90

## CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{1000. \text{ ML}}{500. \text{ ML}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

-----

VERSION 9

CORRECTED/REVIEWED BY

S. Heint  
(GC/MS DATA REVIEWER)

DATE

5-17-90

QUALITY ASSURANCE NOTICE

Surrogate standards are added to all samples being processed for organic analyses. These standards contain one or more compounds intended to analytically mimic the responses or recoveries of the target compounds of interest. The recovery of the surrogate compound is compared to a control limit range to determine whether or not the laboratory's analytical system was in control at the time of sample processing.

In most cases, these control limits have been mandated by a referenced method or statement-of-work (the Contract Laboratory Program, for example). For some methods, however, the surrogate control limit range has not been established. In such instances, the laboratory has generated "advisory" ranges based on method validation studies performed internally and initial experience with the method on "real world" samples. These ranges are used to guide the analyst in evaluating the data. Statistically-based control limits, which will be used to determine whether or not a particular analysis must be repeated, will be generated as soon as sufficient historical data is accumulated.



Robert J. Whitehead  
Manager, Quality Assurance

**(4) Matrix Spike Duplicate Data**

- (a) Tabulated results (Form I SV-1, SV-2) of nonspiked TCL compounds. Form I SV-TIC not required.**
- (b) Reconstructed ion chromatogram (a) and quantitation report (a) or legible facsimile (GC/MS). Spectra not required.**

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

7380010JMSD

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: 337387  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH037387C06  
 Level: (low/med) LOW Date Received: 05/08/90  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/10/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/11/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

62-75-9-----	N-Nitrosodimethylamine	10	U
110-86-1-----	Pyridine	10	U
97-63-2-----	Ethyl methacrylate	10	U
123-63-7-----	Paraldehyde	10	U
109-06-8-----	2-Picoline	20	U
10595-95-6-----	Nitrosomethylethylamine	10	U
66-27-3-----	Methyl methanesulfonate	10	U
108-95-2-----	Phenol	10	U
55-18-5-----	N-Nitrosodiethylamine	10	U
62-50-5-----	Ethyl methanesulfonate	10	U
62-53-3-----	Aniline	10	U
76-01-7-----	Pentachloroethane	10	U
111-44-4-----	bis(2-Chloroethyl) Ether	20	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
100-44-7-----	Benzyl chloride	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
100-51-6-----	Benzyl Alcohol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	10	U
108-39-4-----	3-Methylphenol	10	U
106-44-5-----	4-Methylphenol	10	U
930-55-2-----	N-Nitrosopyrrolidine	10	U
59-89-2-----	N-Nitrosomorpholine	10	U
98-86-2-----	Acetophenone	10	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	10	U
636-21-5-----	o-Toluidine hydrochloride	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
100-75-4-----	N-Nitrosopiperidine	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-4

1/87 Rev.

108-70-3-----	1,3,5-Trichlorobenzene	10	U
98-87-3-----	Benzal chloride	10	U
65-85-0-----	Benzoic Acid	4	J
111-91-1-----	bis(2-Chloroethoxy)Methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-65-0-----	2,6-Dichlorophenol	20	U
95-54-5-----	o-Phenylenediamine	10	U
122-09-8-----	dimethylphenylethylamine	10	U
1888-71-7-----	Hexachloropropene	10	U
87-68-3-----	Hexachlorobutadiene	10	U
87-61-6-----	1,2,3-Trichlorobenzene	10	U
98-07-7-----	Benzotrichloride	20	U
924-16-3-----	N-Nitroso-di-n-butylamine	10	U
59-50-7-----	4-Chloro-3-Methylphenol	10	U
106-50-3-----	p-Phenylenediamine	10	U
94-59-7-----	Safrole	10	U
106-50-3-----	m-Phenylenediamine	10	U
91-57-6-----	2-Methylnaphthalene	10	U
90-12-0-----	1-Methylnaphthalene	10	U
95-94-3-----	1,2,4,5-Tetrachlorobenzene	10	U
634-90-2-----	1,2,3,5-Tetrachlorobenzene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	20	U
95-95-4-----	2,4,5-Trichlorophenol	20	U
120-58-1-----	Isosafrole	20	U
91-58-7-----	2-Chloronaphthalene	10	U
90-13-1-----	1-Chloronaphthalene	10	U
634-66-2-----	1,2,3,4-Tetrachlorobenzene	10	U
88-74-4-----	2-Nitroaniline	10	U
110-15-4-----	1,4-Naphthoquinone	20	U
100-25-4-----	1,4-Dinitrobenzene	20	U
131-11-3-----	Dimethyl Phthalate	10	U
208-96-8-----	Acenaphthylene	10	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

73800103MSD

Lab Name: COMPUCHEM LABS Contract: (2-88)-REVS  
 Lab Code: COMPU Case No.: 20124 SAS No.: \_\_\_\_\_ SDG No.: 02  
 Matrix: (soil/water) WATER Lab Sample ID: 337387  
 Sample wt/vol: 500 (g/mL) ML Lab File ID: GH017387C06  
 Level: (low/med) LOW Date Received: 05/08/90  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 05/10/90  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 05/11/90  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 0.50

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	40	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
608-93-5	Pentachlorobenzene	10	U
134-32-7	2-Naphthylamine	20	U
606-20-2	2,6-Dinitrotoluene	10	U
134-32-7	1-Naphthylamine	20	U
58-90-2	2,3,4,6-Tetrachlorophenol	20	U
84-66-2	Diethylphthalate	10	U
297-97-2	Zinophos	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
99-55-8	5-Nitro-o-toluidine	20	U
534-52-1	4,6-Dinitro-2-Methylphenol	30	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
122-39-4	Diphenylamine	10	U
99-35-4	1,3,5-Trinitrobenzene	20	U
122-66-7	1,2-Diphenylhydrazine	10	U
62-44-2	Phenacetin	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
2303-16-4	Diallate	10	U
60-51-5	Dimethoate	10	U
118-74-1	Hexachlorobenzene	10	U
92-67-1	4-Aminobiphenyl	10	U
23950-58-5	Pronamide	10	U
87-86-5	Pentachlorophenol	20	U
82-68-8	Pentachloronitrobenzene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U

(1) - Cannot be separated from Diphenylamine  
FORM I SV-2

1/87 Rev.

91-80-5-----	Methapyrilene	20	U
50-18-0-----	Cyclophosphamide	50	U
206-44-0-----	Fluoranthene	10	U
92-87-5-----	Benzidine	10	U
129-00-0-----	Pyrene	10	U
140-57-8-----	Aramite	20	U
60-11-7-----	p-Dimethylaminoazobenzene	10	U
510-15-6-----	Chlorobenzilate	10	U
119-93-7-----	3,3'-Dimethylbenzidine	20	U
85-68-7-----	Butylbenzylphthalate	10	U
53-96-3-----	2-Acetylaminofluorene	10	U
101-14-4-----	Methylene-bis(2-chloroaniline	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
106-51-4-----	3,3'-Dimethoxybenzidine	10	U
56-55-3-----	Benzo(a)Anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	10	U
117-84-0-----	Di-n-Octyl Phthalate	10	U
205-99-2-----	Benzo(b)Fluoranthene	10	U
57-97-6-----	7,12-Dimethylbenzanthracene	10	U
207-08-9-----	Benzo(k)Fluoranthene	10	U
50-32-8-----	Benzo(a)Pyrene	10	U
56-49-5-----	3-Methylcholanthrene	10	U
224-42-0-----	Dibenzo(a,j)acridine	10	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3-----	Dibenz(a,h)Anthracene	10	U
191-24-2-----	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine



COMPUCHEN LABS

COMPUCHEN DATA: 04037387206 SCANS 247 TO 1698

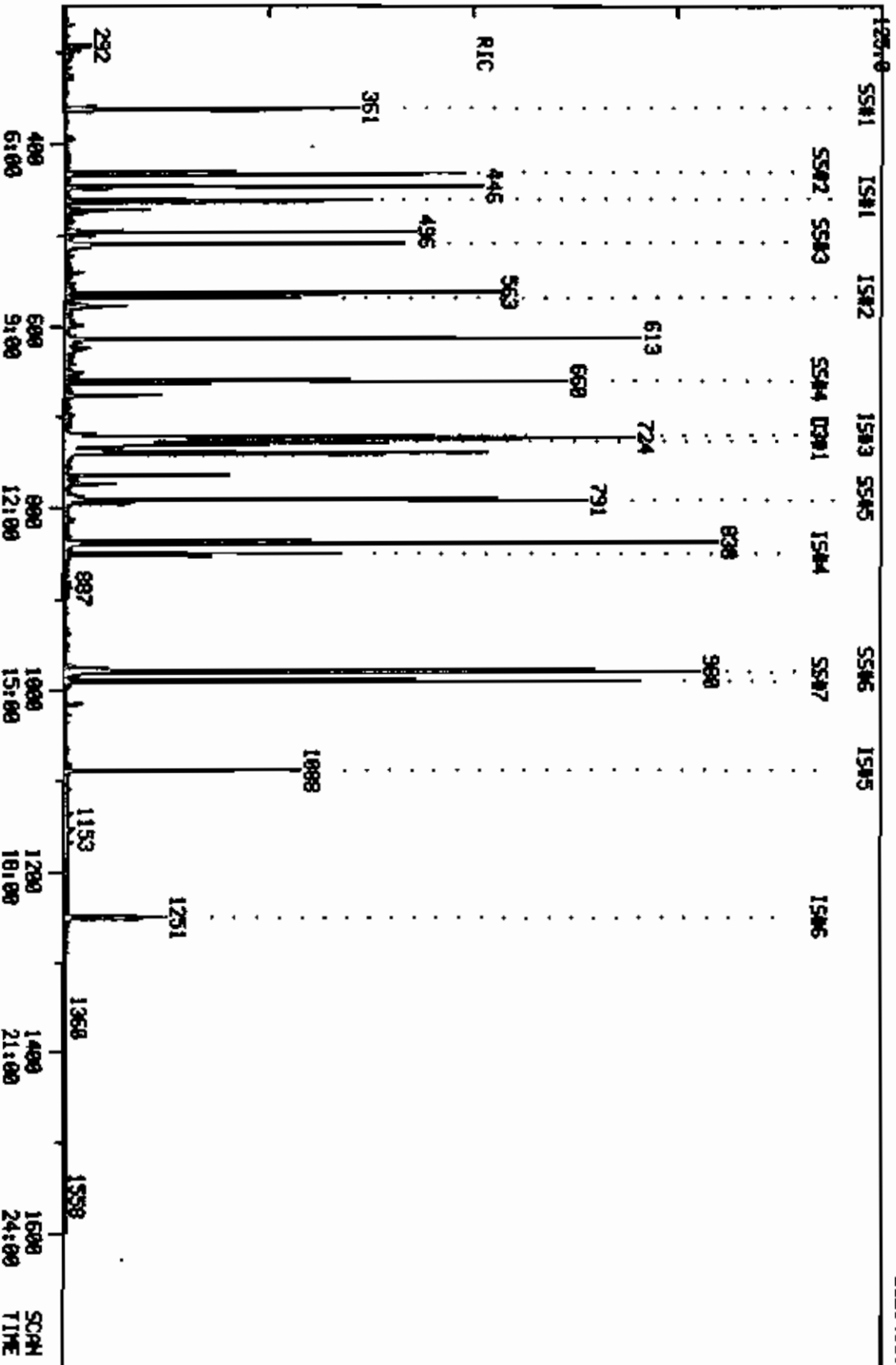
OUT OF 247 TO 1698

RIC  
RS/11/90 0:31:00  
SAMPLE: 14L C0437387 10M73880163MSD  
CONDOS.1 EXTRACTED 5/18/90 UNOILUTED

CS#20124

ON 6

2621439.



QUANTITATION REPORT FILE: QH037387C06  
DATA: QH037387C06.TI  
05/11/90 0:31:00 ✓  
SAMPLE: 1UL CC#337387 ID#73800103MSD C9820124 ✓  
CONDS.: EXTRACTED 5/10/90 UNDILUTED  
SUBMITTED BY: 6 ANALYST: 917

ON 6

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

NO	NAME
1	*494 D4-1,4-DICHLOROBENZENE (I#1)
2	441 N-NITROSODIMETHYLAMINE (G1#2) <62-75-9>
3	481 PYRIDINE (Z#1)
4	509 ETHYLMETHACRYLATE (Z#2)
5	542 PARALDEHYDE (Z#3)
6	510 2-PICOLINE (Z#56)
7	535 NITROSOMETHYLETHYLAMINE (Z#4) <10995-95-6>
8	543 METHYL METHANE SULFONATE (Z#5) <66-27-3>
9	499 N-NITROSODIETHYLAMINE (Z#6)
10	514 ETHYL METHANESULFONATE (Z#7) <62-50-0>
11	610 PHENOL (G1#3) <108-95-2>
12	473 ANILINE (G1#4) <62-53-3>
13	505 PENTACHLOROETHANE (Z#8)
14	411 BIS(2-CHLOROETHYL)ETHER (G1#5) <111-44-4>
15	601 2-CHLOROPHENOL (G1#6) <95-57-8>
16	421 1,3-DICHLOROBENZENE (G1#7) <541-73-1>
17	506 BENZYL CHLORIDE (Z#9)
18	422 1,4-DICHLOROBENZENE (G1#8) <106-46-7>
19	474 BENZYL ALCOHOL (G1#9) <100-51-6>
20	420 1,2-DICHLOROBENZENE (G1#10) <95-50-1>
21	620 2-METHYLPHENOL (G1#11) <95-48-7>
22	412 BIS(2-CHLOROISOPROPYL)ETHER (G1#12) <39638-32-9>
23	621 3-METHYLPHENOL (F1#2) <108-39-4>
24	622 4-METHYLPHENOL (G1#13) <106-44-3>
25	528 N-NITROBOPYRROLIDINE (Z#10) <930-95-2>
26	544 N-NITROSOMORPHOLINE (Z#12) <59-89-2>
27	500 ACETOPHENONE (Z#11)
28	442 N-NITROSO-DI-N-PROPYLAMINE (G1#14) <621-64-7>
29	512 O-TOLUIDINE HYDROCHLORIDE (Z#13)
30	436 HEXACHLOROETHANE (G1#15) <67-72-1>
31	*460 DB-NAPHTHALENE (I#2)
32	440 NITROBENZENE (G1#16) <98-95-3>
33	502 N-NITROSDIPIPERIDINE (Z#14)
34	438 ISOPHORONE (G2#2) <78-59-1>
35	603 2,4-DIMETHYLPHENOL (G2#4) <105-67-9>
36	606 2-NITROPHENOL (G2#3) <88-79-5>
37	491 1,3,5-TRICHLOROBENZENE (Z#22) <180-20-3>
38	518 BENZAL CHLORIDE (Z#16) <98-87-3>
39	625 BENZOIC ACID (G2#5) <65-83-0>
40	410 BIS(2-CHLOROETHOXY)METHANE (G2#6) <111-91-1>
41	602 2,4-DICHLOROPHENOL (G2#7) <120-83-2>
42	446 1,2,4-TRICHLOROBENZENE (G2#8) <120-82-1>
43	439 NAPHTHALENE (G2#9) <91-20-3>
44	475 4-CHLORODANILINE (G2#10) <106-47-8>
45	631 2,6-DICHLOROPHENOL (Z#18)
46	524 O-PHENYLENEDIAMINE (Z#19) <108-45-2>

NO	NAME
47	515 ALPHA, ALPHA DIMETHYLPHENETHYLAMINE (I9817) <122-09-8>
48	537 HEXACHLOROPROPENE (I9821) <1888-71-7>
49	434 HEXACHLOROBUTADIENE (Q2811) <87-68-3>
50	450 1,2,3-TRICHLOROBENZENE (I9815) <87-61-6>
51	534 BENZOTRICHLORIDE (I9823) <98-07-7>
52	536 N-NITROSO-DI-N-BUTYLAMINE (I9824) <924-16-3>
53	608 P-CHLORO-M-CRESOL (Q2812) <59-50-7>
54	526 P-PHENYLENEDIAMINE (I9820) <108-45-2>
55	503 SAFROLE (I9827)
56	525 M-PHENYLENEDIAMINE (I9826) <108-45-2>
57	477 2-METHYLNAPHTHALENE (Q2813) <91-57-6>
58	569 1-METHYLNAPHTHALENE (T2828) <90-12-0>
59	*495 D10-ACENAPHTHENE (I883)
60	457 1,2,4,5-TETRACHLOROBENZENE (I9831) <95-94-3>
61	513 1,2,3,5-TETRACHLOROBENZENE (I9829) <634-90-2>
62	435 HEXACHLOROCYCLOPENTADIENE (Q382) <77-47-4>
63	611 2,4,6-TRICHLOROPHENOL (Q383) <88-06-2>
64	626 2,4,5-TRICHLOROPHENOL (Q384) <95-95-4>
65	527 ISOSAFROLE (I9830) <120-58-1>
66	416 2-CHLORONAPHTHALENE (Q385) <91-58-7>
67	564 1-CHLORONAPHTHALENE (F482)
68	456 1,2,3,4-TETRACHLOROBENZENE (I9828) <634-66-2>
69	478 2-NITROANILINE (Q386) <88-74-4>
70	504 1,4-NAPHTHOQUINONE (I9832)
71	491 1,4-DINITROBENZENE (F382) <100-25-4>
72	425 DIMETHYL PHTHALATE (Q387) <131-11-3>
73	428 2,6-DINITROTOLUENE (Q3819) <606-20-2>
74	402 ACENAPHTHYLENE (Q388) <208-96-8>
75	479 3-NITROANILINE (Q389) <99-09-2>
76	401 ACENAPHTHENE (Q3810) <83-32-9>
77	8605 2,4-DINITROPHENOL (Q3811) <51-28-4>
78	607 4-NITROPHENOL (Q3812) <100-02-7>
79	427 2,4-DINITROTOLUENE (Q3814) <121-14-2>
80	476 DIBENZOFURAN (Q3813) <132-64-9>
81	507 PENTACHLOROBENZENE (I9833)
82	484 2-NAPHTHYLAMINE (I9835)
83	483 1-NAPHTHYLAMINE (I9836)
84	630 2,3,4,6-TETRACHLOROPHENOL (I9837)
85	424 DIETHYL PHTHALATE (Q3816) <84-66-2>
86	519 ZINOPHOS (I9838)
87	417 4-CHLOROPHENYL PHENYL ETHER (Q3817) <7005-72-3>
88	432 FLUORENE (Q3818) <86-73-7>
89	480 4-NITROANILINE (Q3819) <100-01-6>
90	498 5-NITRO-O-TOLUIDINE (I9834)
91	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (I9839)
92	*467 D10-PHENANTHRENE (I884)
93	*459 D12-CHRYSENE (I885)
94	*497 D12-PERYLENE
95	8619 2-FLUOROPHENOL (8881)
96	8612 D5-PHENOL (8882)
97	8447 D5-NITROBENZENE (8883)
98	8448 2-FLUOROBIPHENYL (8884)
99	8628 2,4,6-TRIBROMOPHENOL (8885)
100	8471 D10-PYRENE
101	8496 D14-TERPHENYL (8886)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
1	152	460	6:54	1	1.000	A BB	149120.	40.000 NG	1.95
2	42	NOT FOUND							
3	79	NOT FOUND							
4	69	298	4:28	1	0.648	A BV	13712.	3.183 NG	0.15/NO
5	89	NOT FOUND							
6	93	NOT FOUND							
7	88	NOT FOUND							
8	80	NOT FOUND							
9	102	NOT FOUND							
10	109	NOT FOUND							
11	94	433	6:30	1	0.941	A BB	526068.	87.526 NG	4.26Y
12	93	NOT FOUND							
13	167	NOT FOUND							
14	93	NOT FOUND							
15	128	448	6:41	1	0.970	A BB	632688.	115.814 NG	5.64Y
16	146	461	6:55	1	1.002	A BB	372912.	62.909 NG	3.06/NO
17	91	NOT FOUND							
18	146	461	6:55	1	1.002	A BB	372912.	62.966 NG	3.07Y
19	108	NOT FOUND							
20	146	NOT FOUND							
21	108	NOT FOUND							
22	45	NOT FOUND							
23	108	NOT FOUND							
24	108	NOT FOUND							
25	100	NOT FOUND							
26	116	NOT FOUND							
27	105	NOT FOUND							
28	70	496	7:26	1	1.078	A BB	358004.	75.373 NG	3.67Y
29	106	NOT FOUND							
30	117	NOT FOUND							
31	136	567	8:30	31	1.000	A BB	549344.	40.000 NG	1.95
32	77	NOT FOUND							
33	114	NOT FOUND							
34	82	NOT FOUND							
35	107	NOT FOUND							
36	139	NOT FOUND							
37	180	NOT FOUND							
38	125	NOT FOUND							
39	122	540	8:06	31	0.952	A+BB	4304.	1.907 NG	0.09Y
40	93	NOT FOUND							
41	162	NOT FOUND							
42	180	563	8:27	31	0.993	A BB	373824.	61.878 NG	3.01Y
43	128	NOT FOUND							
44	127	NOT FOUND							
45	162	NOT FOUND							
46	108	568	8:31	31	1.002	A BB	81036.	47.597 NG	2.32/NO
47	91	563	8:27	31	0.993	A BB	14780.	55.081 NG	2.68/NO
48	213	NOT FOUND							
49	225	NOT FOUND							
50	180	NOT FOUND							
51	159	NOT FOUND							
52	84	599	8:59	31	1.056	A+BB	25216.	8.129 NG	0.40/NO
53	107	613	9:12	31	1.081	A BV	673532.	110.606 NG	5.38Y
54	108	613	9:12	31	1.081	A BB	55100.	104.314 NG	5.08/NO
55	162	NOT FOUND							
56	108	620	9:18	31	1.093	A BB	400.	15.349 NG	0.75/NO

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	XTOT
57	142	NOT FOUND							
58	142	NOT FOUND							
59	164	721	10:49	59	1.000	A BB	355716.	40.000 NG	1.95
60	216	NOT FOUND							
61	216	NOT FOUND							
62	237	NOT FOUND							
63	196	NOT FOUND							
64	196	NOT FOUND							
65	162	NOT FOUND							
66	162	NOT FOUND							
67	162	NOT FOUND							
68	216	NOT FOUND							
69	65	NOT FOUND							
70	158	NOT FOUND							
71	168	NOT FOUND							
72	163	NOT FOUND							
73	165	NOT FOUND							
74	152	NOT FOUND							
75	138	NOT FOUND							
76	153	724	10:52	59	1.004	A BB	641828.	62.820 NG	3.06 Y
77	184	NOT FOUND							
78	109	729	10:56	59	1.011	A VV	302238.	124.276 NG	6.05 Y
79	165	740	11:06	59	1.026	A BB	350224.	83.340 NG	4.06 Y
80	168	NOT FOUND							
81	250	NOT FOUND							
82	143	NOT FOUND							
83	143	NOT FOUND							
84	232	NOT FOUND							
85	149	NOT FOUND							
86	97	NOT FOUND							
87	204	NOT FOUND							
88	166	NOT FOUND							
89	138	NOT FOUND							
90	152	NOT FOUND							
91	77	NOT FOUND							
92	188	850	12:45	92	1.000	A BB	571312.	40.000 NG	1.95
93	240	1088	16:19	93	1.000	A BV	412996.	40.000 NG	1.95
94	264	1250	18:45	94	1.000	A BB	330044.	40.000 NG	1.95
95	112	361	5:25	1	0.785	A BB	502508.	110.766 NG	5.39
96	99	431	6:28	1	0.937	A BB	506864.	93.022 NG	4.53
97	82	509	7:38	31	0.898	A BB	446764.	62.831 NG	3.06
98	172	660	9:54	59	0.915	A BB	784292.	68.647 NG	3.34
99	330	791	11:52	59	1.097	A BB	386704.	199.849 NG	9.73
100	212	978	14:40	93	0.899	A BV	1180530.	101.264 NG	4.93
101	244	989	14:50	93	0.909	A BB	1002790.	94.836 NG	4.62

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	6:58	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	3:58		10.000			50.00		0.953	
3	3:56		10.000			50.00		0.993	
4	4:26	1.01	10.000	0.06	3.18	50.00	0.074	1.155	0.06
5	4:26		10.000			50.00		0.238	
6	4:48		20.000			50.00		1.241	
7	5:00		10.000			50.00		1.181	
8	5:22		10.000			50.00		0.985	
9	5:47		10.000			50.00		0.663	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	6:08		10.000			50.00		0.741	
11	6:32	0.99	10.000	0.09	87.53	50.00	2.822	1.612	1.75
12	6:37		10.000			50.00		1.827	
13	6:37		10.000			50.00		0.597	
14	6:41		20.000			50.00		1.741	
15	6:44	0.99	10.000	0.10	115.81	50.00	3.394	1.465	2.32
16	6:55	1.00	10.000	0.10	62.91	50.00	2.001	1.990	1.26
17	6:59		10.000			50.00		2.679	
18	6:59	0.99	10.000	0.10	62.97	50.00	2.001	1.589	1.26
19	7:08		10.000			50.00		0.937	
20	7:13		10.000			50.00		1.601	
21	7:16		10.000			50.00		1.262	
22	7:19		10.000			50.00		3.208	
23	7:26		10.000			100.00		1.105	
24	7:26		10.000			100.00		1.105	
25	7:31		10.000			50.00		0.723	
26	7:32		10.000			50.00		0.402	
27	7:29		10.000			50.00		2.046	
28	7:30	0.99	10.000	0.11	75.37	50.00	1.921	1.274	1.51
29	7:33		10.000			50.00		1.637	
30	7:35		10.000			50.00		0.987	
31	8:34	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
32	7:43		10.000			50.00		0.566	
33	7:54		10.000			50.00		0.209	
34	7:59		10.000			50.00		1.033	
35	8:06		10.000			50.00		0.348	
36	8:07		10.000			50.00		0.209	
37	8:06		10.000			50.00		0.374	
38	8:09		10.000			50.00		0.754	
39	8:11	0.99	100.000	0.01	1.91	50.00	0.006	0.164	0.04
40	8:14		10.000			50.00		0.569	
41	8:23		10.000			50.00		0.359	
42	8:30	0.99	10.000	0.10	61.88	50.00	0.544	0.440	1.24
43	8:36		10.000			50.00		1.139	
44	8:41		10.000			50.00		0.439	
45	8:41		20.000			50.00		0.368	
46	8:35	0.99	10.000	0.10	47.60	50.00	0.118	0.124	0.95
47	8:30	0.99	10.000	0.10	55.08	50.00	0.022	0.020	1.10
48	8:44		10.000			50.00		0.320	
49	8:47		10.000			50.00		0.291	
50	8:49		10.000			50.00		0.416	
51	8:54		20.000			50.00		0.564	
52	9:05	0.99	10.000	0.11	8.13	50.00	0.037	0.226	0.16
53	9:15	0.99	10.000	0.11	110.61	50.00	0.981	0.443	2.21
54	9:15	0.99	10.000	0.11	104.31	50.00	0.080	0.038	2.09
55	9:21		10.000			50.00		0.312	
56	9:21	1.00	10.000	0.11	15.35	50.00	0.001	0.002	0.31
57	9:29		10.000			50.00		0.937	
58	9:38		10.000			50.00		0.558	
59	10:53	0.99	10.000	0.10	40.00	40.00	1.000	1.000	1.00
60	9:44		10.000			100.00		0.616	
61	9:44		10.000			100.00		0.616	
62	9:45		10.000			50.00		0.363	
63	9:52		20.000			50.00		0.432	
64	9:55		20.000			50.00		0.437	
65	10:01		20.000			50.00		0.490	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC (L)	RATIO
66	10:08		10.000			50.00		1.231	
67	10:10		10.000			50.00		1.019	
68	10:08		10.000			50.00		0.618	
69	10:18		10.000			50.00		0.578	
70	10:22		20.000			50.00		0.460	
71	10:27		20.000			50.00		0.275	
72	10:32		10.000			50.00		1.469	
73	10:39		10.000			50.00		0.395	
74	10:41		10.000			50.00		1.792	
75	10:50		20.000			50.00		0.355	
76	10:55	0.99	10.000	0.10	62.82	50.00	1.443	1.149	1.26
77	10:58		40.000			50.00		0.171	
78	11:00	0.99	10.000	0.10	124.28	50.00	0.680	0.273	2.49
79	11:10	0.99	10.000	0.10	83.34	50.00	0.788	0.473	1.67
80	11:07		10.000			50.00		1.658	
81	11:08		10.000			50.00		0.632	
82	11:14		20.000			50.00		0.624	
83	11:20		20.000			50.00		0.979	
84	11:19		20.000			50.00		0.334	
85	11:25		10.000			50.00		1.674	
86	11:33		10.000			50.00		0.458	
87	11:31		10.000			50.00		0.621	
88	11:34		10.000			50.00		1.353	
89	11:38		20.000			50.00		0.331	
90	11:38		20.000			50.00		0.409	
91	11:45		10.000			50.00		2.557	
92	12:48	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
93	16:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
94	18:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
95	5:29	0.99	0.742	1.06	110.77	50.00	2.696	1.217	2.22
96	6:32	0.99	0.948	0.99	93.02	50.00	2.719	1.462	1.86
97	7:42	0.99	0.875	1.03	62.83	50.00	0.651	0.518	1.26
98	9:58	0.99	0.906	1.01	68.65	50.00	1.764	1.285	1.37
99	11:54	1.00	1.118	0.98	199.85	50.00	0.870	0.218	4.00
100	14:42	1.00	10.000	0.09	101.26	50.00	2.287	1.129	2.03
101	14:52	1.00	0.907	1.00	94.84	50.00	1.942	1.024	1.90

QUANTITATION REPORT FILE: 94037387C06  
DATA: 94037387C06.TI  
05/11/90 0:31:00  
SAMPLE: 1UL CC8337387 ID873800103MSD CB820124  
CONDS.: EXTRACTED 5/10/90 UNDILUTED  
SUBMITTED BY: 6 ANALYST: 917

DN 6

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

NO	NAME
1	467 D10-PHENANTHRENE (I84)
2	604 4,6-DINITRO-2-METHYLFENOL (G482) <534-52-1>
3	443 N-NITROSODIPHENYLAMINE (G483) <86-30-6>
4	567 DIPHENYLAMINE (F383)
5	508 1,3,5-TRINITROBENZENE (Z9841)
6	539 PHENACETIN (Z9842) <63-44-2>
7	414 4-BROMOPHENYL PHENYL ETHER (G484) <101-55-3>
8	577 DIALLATE (TRANS ISOMER)
9	541 DIMETHOATE (Z9844)
10	433 HEXACHLOROBENZENE (G485) <118-74-1>
11	485 4-AMINOBIPHENYL (Z9845)
12	522 PRONAMIDE (Z9846)
13	609 PENTACHLOROPHENOL (G486) <87-86-5>
14	453 PENTACHLORONITROBENZENE (Z9847)
15	444 PHENANTHRENE (G487) <85-01-8>
16	403 ANTHRACENE (G488) <120-12-7>
17	426 DI-N-BUTYL PHTHALATE (G489) <84-74-2>
18	916 METHAPYRILENE (Z9848)
19	549 CYCLOPHOSPHAMIDE (Z9849)
20	431 FLUORANTHENE (G4910) <206-44-0>
21	459 D12-CHRYSENE (I85)
22	404 BENZIDINE (G582) <92-87-5>
23	445 PYRENE (G583) <129-00-0>
24	530 ARAMITE (Z9850) <140-57-4>
25	487 P-DIMETHYLAMINDAZOBENZENE (Z9851)
26	523 CHLOROBENZILATE (Z9852)
27	545 3,3'-DIMETHYLBENZIDINE (Z9853)
28	415 BUTYLBENZYL PHTHALATE (G584) <85-68-7>
29	488 2-ACETYLAMINO FLUORENE (F582)
30	489 4,4'-METHYLENE-BIS(2-CHLOROANILINE) (Z9854)
31	423 3,3'-DICHLOROBENZIDINE (G585) <91-94-1>
32	533 DIMETHOXYBENZIDINE (Z9857)
33	413 BIS(2-ETHYLHEXYL) PHTHALATE (G587) <117-81-7>
34	405 BENZO(A)ANTHRACENE (G586) <56-55-3>
35	418 CHRYSENE (G588) <218-01-9>
36	497 D12-PERYLENE
37	429 DI-N-OCTYL PHTHALATE (G682) <117-84-0>
38	407 BENZO(B)FLUORANTHENE (G683) <205-99-2>
39	517 7,12-DIMETHYLBENZANTHRACENE (Z9855)
40	409 BENZO(K)FLUORANTHENE (G684) <207-08-9>
41	406 BENZO(A)PYRENE (G685) <50-32-8>
42	565 3-METHYLCHLORANTHRENE (F682)
43	566 DIBENZO(A, J)ACRIDINE
44	437 INDENO(1,2,3-C,D)PYRENE (G686) <193-39-5>
45	419 DIBENZO(A, H)ANTHRACENE (G687) <53-70-3>
46	408 BENZO(G, H, I)PERYLENE (G688) <191-24-2>



NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	%TOT
47	576 DIALLATE (CIS ISOMER)								
1	188	850	12:45	1	1.000	A BB	571312.	40.000 NG	10.93
2	198	NOT FOUND							
3	169	NOT FOUND							
4	169	NOT FOUND							
5	213	NOT FOUND							
6	108	NOT FOUND							
7	248	NOT FOUND							
8	234	NOT FOUND							
9	129	NOT FOUND							
10	284	NOT FOUND							
11	169	NOT FOUND							
12	173	NOT FOUND							
13	266	837	12:33	1	0.985	A BV	442600.	152.606 NG	41.70 Y
14	237	NOT FOUND							
15	178	NOT FOUND							
16	178	NOT FOUND							
17	149	NOT FOUND							
18	97	NOT FOUND							
19	211	NOT FOUND							
20	202	NOT FOUND							
21	240	1088	16:19	21	1.000	A BV	412996.	40.000 NG	10.93
22	184	NOT FOUND							
23	202	980	14:42	21	0.901	A BV	1264590.	91.949 NG	23.13 Y
24	189	989	14:50	21	0.909	A BB	2624.	1.387 NG	0.38 NO
25	229	NOT FOUND							
26	139	NOT FOUND							
27	212	NOT FOUND							
28	149	NOT FOUND							
29	181	NOT FOUND							
30	231	NOT FOUND							
31	252	NOT FOUND							
32	244	NOT FOUND							
33	149	NOT FOUND							
34	228	NOT FOUND							
35	228	NOT FOUND							
36	264	1280	18:45	36	1.000	A BB	330044.	40.000 NG	10.93
37	149	NOT FOUND							
38	252	NOT FOUND							
39	256	NOT FOUND							
40	252	NOT FOUND							
41	252	NOT FOUND							
42	268	NOT FOUND							
43	279	NOT FOUND							
44	276	NOT FOUND							
45	278	NOT FOUND							
46	276	NOT FOUND							
47	234	NOT FOUND							

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	12:48	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
2	11:40		30.000			50.00		0.160	✓
3	11:42		10.000			100.00		0.649	
4	11:42		10.000			100.00		0.649	

NO	RET(L)	RATID	RRT(L)	RATID	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
5	12:06		20.000			50.00		0.113	
6	12:06		10.000			50.00		0.514	
7	12:09		10.000			50.00		0.232	
8	12:09		10.000			25.00		0.161	
9	12:23		10.000			50.00		0.165	
10	12:23		10.000			50.00		0.353	
11	12:32		10.000			50.00		0.608	
12	12:34		10.000			50.00		0.458	
13	12:36	1.00	20.000	0.05	152.61	50.00	0.620	0.203	3.03
14	12:42		10.000			50.00		0.133	
15	12:50		10.000			50.00		1.182	
16	12:53		10.000			50.00		1.149	
17	13:30		10.000			50.00		1.761	
18	13:56		20.000			50.00		0.369	
19	14:15		50.000			200.00		0.029	
20	14:25		10.000			50.00		1.160	
21	14:22	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
22	14:33		10.000			50.00		0.076	
23	14:44	1.00	10.000	0.09	91.95	50.00	2.450	1.332	1.84
24	14:54	1.00	20.000	0.05	1.39	50.00	0.005	0.183	0.03
25	15:09		10.000			50.00		0.243	
26	15:06		10.000			50.00		0.792	
27	15:32		20.000			50.00		0.446	
28	15:31		10.000			50.00		0.903	
29	15:54		10.000			50.00		0.460	
30	16:15		10.000			50.00		0.201	
31	16:17		10.000			50.00		0.305	
32	16:13		10.000			50.00		0.170	
33	16:19		10.000			50.00		1.252	
34	16:20		10.000			50.00		1.191	
35	16:24		10.000			50.00		1.044	
36	18:50	1.00	10.000	0.10	40.00	40.00	1.000	1.000	1.00
37	17:07		10.000			50.00		2.730	
38	18:03		10.000			100.00		0.967	
39	18:04		10.000			50.00		0.589	
40	18:03		10.000			100.00		0.967	
41	18:42		10.000			50.00		1.091	
42	19:30		10.000			50.00		0.656	
43	21:00		10.000			50.00		0.961	
44	21:38		10.000			50.00		1.384	
45	21:38		10.000			50.00		1.189	
46	22:29		10.000			50.00		1.086	
47	12:12		10.000			25.00		0.221	

LAB INSTRUCTIONS:

MASTS-6

RECORDED  
MAY 15 1990

CASE#: 20124

DUE DATE:

GC/MS WORKSHEET

COMPUCHEN#: 337387

JR [ ] RE [ ] DE [ ] C [ ]  
JR [ ] RE [ ] DE [ ] C [ ]

SEMI-VOA + L.S. 3rd Ed 84-846, METHOD 8270  
S-V EXTRACTION, EPA/METHOD 1510  
LOW LEVEL LIQUID

Sample Prep Code---079  
Instrument Code---280  
Compound List----379  
Surrogate Std----393  
Internal Std-----035

15 PEAK LIBRARY SEARCH REQUIRED

SAF#: \_\_\_\_\_

EPA#: 73800103

MSD

GC/MS ANALYSIS

Volumes mixed: BN \_\_\_\_\_ ul Acid \_\_\_\_\_ ul  
Internal Standard Volume Added 5.0 ul  
Mixed Sample Volume Injected 1.0 ul  
Date of Sample Bottle Analyzed 5/12/90  
JFTPP Filename DF900510806 Disk ( )  
Standard Filename H6900510806 Disk ( )  
Sample Filename GH037387C06 Disk ( )

ANALYT(S):

Injection

917

Work-up

917

GC/MS REVIEW

CONDITION CODE

OK

Entry Codes OK, EA, JA, ES, AL, AH, PL, PH, FL, JB  
FN, NL, NH, YL, SL, SH, SM, YH

Non-Entry Codes IM, IL, IH, SU, CT, CS, PC, OT, NS  
ED, IF, LA, DJ, CO, RN, DW, OA

*Comp 5/12/90*  
*Revised 5/14/90*

Extraneous Peak Search Results:

# of Peaks Found: 6

# of Hits: 12

# of Surrogate Outliers: 0

Quality Assurance Notice(s):

# Notices Required 1

Disposition: [  ] Complete

[  ] Reinjection required

[  ] Reextraction required

[  ] Dilute ( : )

[  ] Reinject Heat

[  ] Send to QA

GC/MS Review [Signature] Date 5/14/90 Auditor [Signature] Date 5/14/90

REPORT INTEGRATION

Final Reportable Package(s): GH037387C06

Total # of Injections: 1

QA COMMENTS:

FINAL REVIEW:

Initials \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Initials \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

ACBIS (05/87)

EXTRACTION WORKSHEET  
 Sent-volities/allecollaneous  
 CompuChem Laboratories Inc

DATE ASSIGNED 5/10/90

ASSIGNED TO: A.B.D. Ametela Downey

EMP ID NUMBER 1733

QUEUE 127

SAMPLE NUMBER	PREP CODE	CASE #	CLIENT #	QC SAMPLE		BOTTLE #	SAMPLE VOLUME (ml)	FINAL EXTRACT VOL. (ml)			A	COMMENTS
				TYPE	ORIG. NO.			SV	ACID	ADJUSTED PH		
1	337381-079	20124		SS	337383	283	500ml	1.0ml	1.0ml	13	1	30% 477µm 500ml sample volume for SS only
2	337387			SS	337383	283	500ml	1.0ml	1.0ml	13	1	ADD 0.5ml water. ADD 0.5ml glycerol.
3	337388			SS			1000ml	1.0ml	1.0ml	13	1	Conc. to 0.5ml final volume
4	337381		78R 00101			183	1000ml	1.0ml	1.0ml	13	1	ADD 1.0 ml water to 0.5ml only
5	337382		78R00 103			283	1000ml	1.0ml	1.0ml	13	1	ADD 937381 222875 for QC
6	337383		78R00 103			183	1000ml	1.0ml	1.0ml	13	1	
7	337385		78R00 104			283	1000ml	1.0ml	1.0ml	13	1	
8	337311	30071	GK15			183	1000ml	1.0ml	1.0ml	13	1	
9	337312		FR6D REC-10			283	1000ml	1.0ml	1.0ml	13	1	
10	335591R	20015	REC-10			283	1000ml	1.0ml	1.0ml	13	1	
11												
12												
13	337915		BLK 714	B1			1000ml	1.0ml	1.0ml	13	1	

SURROGATE	NO. AMT. LOT	9-VOL	ACID	BN	OTHER	OTHER	NO. AMT. LOT	NO. AMT. LOT	NO. AMT. LOT	VALID SPEAK

ISSUED BY: \_\_\_\_\_

1733

SURROGATE & SPIKE ADDED CORRECTLY

INT AP DATE 5/10/90

MANUAL COUNTER

5101 886

FINAL VOLUME VERIFIED

SUPERVISOR REVIEWED

EXTRACTS RECEIVED BY

C. ... 5/10

Ametela Downey

CHP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
494	152 I	D4-1,4-DICHLOROBENZENE (180	460	149000	40.0		
441	42	N-NITROSODIMETHYLAMINE (010				BDL	10
481	79	PYRIDINE (Z901)				BDL	10
509	69	ETHYLMAHACRYLATE (Z902)				<i>2.5</i> <i>25 BDL</i>	10
542	89	PARALDEHYDE (Z903)				BDL	10
510	93	2-PICOLINE (Z9056)				BDL	20
535	88	NITROSOMETHYLETHYLAMINE (Z9				BDL	10
543	80	METHYL METHANE SULFONATE (2				BDL	10
499	102	N-NITROSODIETHYLAMINE (Z906				BDL	10
514	109	ETHYL METHANESULFONATE (Z90				BDL	10
610	94	PHENOL (0103)			87.5	88	10
473	93	ANILINE (0104)				BDL	10
505	167	PENTACHLOROETHANE (Z908)				BDL	10
411	93	BIS(2-CHLOROETHYL)ETHER (01				BDL	20
601	128	2-CHLOROPHENOL (0106)			116.0	120	10
421	146	1,3-DICHLOROBENZENE (0107)			<del>62.7</del>	<del>65 BDL</del>	10
506	91	BENZYL CHLORIDE (Z909)				BDL	10
422	146	1,4-DICHLOROBENZENE (0108)			63.0	63	10
474	108	BENZYL ALCOHOL (0109)				BDL	10
420	146	1,2-DICHLOROBENZENE (01010)				BDL	10
620	108	2-METHYLPHENOL (01011)				BDL	10
412	45	BIS(2-CHLOROISOPROPYL)ETHER				BDL	10
621	108	3-METHYLPHENOL (F102)				BDL	10
622	108	4-METHYLPHENOL (01013)				BDL	10
528	100	N-NITROSPYRROLIDINE (Z9010)				BDL	10
544	116	N-NITROSOMORPHOLINE (Z9012)				BDL	10
500	105	ACETOPHENONE (Z9011)				BDL	10
442	70	N-NITROSO-DI-N-PROPYLAMINE			75.4	75	10
512	106	O-TOLUIDINE HYDROCHLORIDE (				BDL	10
436	117	HEXACHLOROETHANE (01015)				BDL	10
460	136 I	D8-NAPHTHALENE (1802)	567	549000	40.0		
440	77	NITROBENZENE (01016)				BDL	10
502	114	N-NITROSODIPIPERIDINE (Z901				BDL	10
438	82	ISOPHORONE (0202)				BDL	10
603	107	2,4-DIMETHYLPHENOL (0204)				BDL	10
606	139	2-NITROPHENOL (0203)				BDL	10
451	180	1,3,5-TRICHLOROBENZENE (Z90				BDL	10
518	125	BENZAL CHLORIDE (Z9016)				BDL	10
625	122	BENZOIC ACID (0205)			1.9	2J	100
410	93	BIS(2-CHLOROETHOXY)METHANE				BDL	10
602	162	2,4-DICHLOROPHENOL (0207)				BDL	10
446	180	1,2,4-TRICHLOROBENIENE (020			61.9	62	10
439	128	NAPHTHALENE (0209)				BDL	10

CORRECTED/REVIEWED BY

*J. Smith*  
(GC/MS DATA REVIEWER)

DATE

*5-14-90*

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
475	127	4-CHLORANILINE (Q2#10)				BDL	1
631	162	2,6-DICHLOROPHENOL (Z9#18)				BDL	2
524	108	O-PHENYLENEDIAMINE (Z9#19)			<del>67.5</del>	<del>40 BDL</del>	1
515	91	ALPHA, ALPHA DIMETHYLPHENETH			<del>55.1</del>	<del>50 BDL</del>	1
537	213	HEXACHLOROPROPENE (Z9#21)				BDL	1
434	229	HEXACHLOROBUTADIENE (Q2#11)				BDL	1
450	180	1,2,3-TRICHLOROBENZENE (Z9#				BDL	1
534	199	BENZOTRICHLORIDE (Z9#23)				BDL	2
536	84	N-NITROSO-DI-N-BUTYLAMINE (			<del>8.1</del>	<del>50 BDL</del>	1
608	107	P-CHLORO-M-CRESOL (Q2#12)			111.0	110	1
526	108	P-PHENYLENEDIAMINE (Z9#20)			<del>104.0</del>	<del>100 BDL</del>	1
503	162	SAFROLE (Z9#27)				BDL	1
525	108	M-PHENYLENEDIAMINE (Z9#26)			<del>18.5</del>	<del>15 BDL</del>	1
477	142	2-METHYLNAPHTHALENE (Q2#13)				BDL	1
569	142	1-METHYLNAPHTHALENE (T2#28)				BDL	1
495	164	I D10-ACENAPHTHENE (IS#3)	721	356000	40.0		
457	216	1,2,4,5-TETRACHLOROBENZENE				BDL	1
513	216	1,2,3,5-TETRACHLOROBENZENE				BDL	1
435	236	HEXACHLOROCYCLOPENTADIENE (				BDL	1
611	196	2,4,6-TRICHLOROPHENOL (Q3#3				BDL	2
626	196	2,4,5-TRICHLOROPHENOL (Q3#4				BDL	2
527	162	ISOSAFROLE (Z9#30)				BDL	2
416	162	2-CHLORONAPHTHALENE (Q3#5)				BDL	1
564	162	1-CHLORONAPHTHALENE (F4#2)				BDL	1
456	216	1,2,3,4-TETRACHLOROBENZENE				BDL	1
478	69	2-NITROANILINE (Q3#6)				BDL	1
504	198	1,4-NAPTHOQUINONE (Z9#32)				BDL	2
491	168	1,4-DINITROBENZENE (F3#2)				BDL	2
429	163	DIMETHYL PHTHALATE (Q3#7)				BDL	1
428	165	2,6-DINITROTOLUENE (Q3#15)				BDL	1
402	192	ACENAPHTHYLENE (Q3#8)				BDL	1
479	138	3-NITROANILINE (Q3#9)				BDL	2
401	193	ACENAPHTHENE (Q3#10)			62.8	63	1
605	184	2,4-DINITROPHENOL (Q3#11)				BDL	4
607	109	4-NITROPHENOL (Q3#12)			124.0	120	1
427	165	2,4-DINITROTOLUENE (Q3#14)			83.3	83	1
476	168	DIBENZOFURAN (Q3#13)				BDL	1
507	250	PENTACHLOROBENZENE (Z9#33)				BDL	1
484	143	2-NAPHTHYLAMINE (Z9#35)				BDL	2
483	143	1-NAPHTHYLAMINE (Z9#36)				BDL	2
650	231	2,3,4,6-TETRACHLOROPHENOL (				BDL	2
424	149	DIETHYL PHTHALATE (Q3#16)				BDL	1
519	97	ZINOPHOS (Z9#38)				BDL	1

CORRECTED/REVIEWED BY

J. Hunt  
(QC/MS DATA REVIEWER)

DATE

5-14-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
417	204	4-CHLOROPHENYL PHENYL ETHER				BDL	1
432	166	FLUORENE (03#18)				BDL	1
480	138	4-NITROANILINE (03#19)				BDL	2
498	192	5-NITRO-O-TOLUIDINE (29#34)				BDL	2
430	77	1,2-DIPHENYLHYDRAZINE (AZOB)				BDL	1
467	188	I D10-PHENANTHRENE (18#4)	850	571000	40.0		
459	240	I D12-CHRYSENE (18#5)	1088	413000	40.0		
497	264	I D12-PERYLENE	1250	330000	40.0		
619	112	B 2-FLUOROPHENOL (88#1)			111.0	95. %	
612	99	B D5-PHENOL (88#2)			93.0	46. %	
447	82	B D5-NITROBENZENE (88#3)			62.8	63. %	
448	172	B 2-FLUOROBIPHENYL (88#4)			68.6	69. %	
628	330	B 2,4,6-TRIBROMOPHENOL (88#5)			200.0	100. %	
471	212	B D10-PYRENE			101.0	101. %	
496	244	B D14-TERPHENYL (88#6)			94.8	95. %	
CHECKSUMS:							
		14268.	4936	2368000.	2054.2		1078.

CORRECTED/REVIEWED BY

S. Smith  
(GC/MS DATA REVIEWER)

DATE

5-14-88

NO	CC ID#	SURROGATE COMPOUND	QUANT REPORT VALUE	QUANT REPORT AMOUNT SPIKED	% ++ RECOVERY	CONTROL RANGE	P
95	619	2-FLUOROPHENOL (BS#1)	111.0	200.0	55.	21-100	X
96	612	D5-PHENOL (BS#2)	93.0	200.0	46.	10-94	X
97	447	D5-NITROBENZENE (BS#3)	62.8	100.0	63.	35-114	X
98	448	2-FLUOROBIPHENYL (BS#4)	68.6	100.0	69.	43-116	X
99	628	2,4,6-TRIBROMOPHENOL (BS#5)	200.0	200.0	100.	10-123	X
*1	471	D10-PYRENE	101.0	100.0	101.	40-130*	X
*1	496	D14-TERPHENYL (BS#6)	94.8	100.0	95.	33-141	X

\* ADVISORY SURROGATE ONLY

++ % RECOVERY = QUANT REPORT VALUE / QUANT REPORT AMOUNT SPIKED X 100 %

## CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \frac{\text{DILUTION FACTOR}}{2} =$$

$$\frac{1000 \text{ ML}}{500 \text{ ML}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

## QUANT REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{1000 \text{ UL}}{\text{VOLUME SURROGATE ADDED (UL)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \frac{\text{DILUTION FACTOR}}{2} =$$

$$\frac{1000 \text{ UL}}{500 \text{ UL}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 9

CORRECTED/REVIEWED BY *S. Hunt*  
(GC/MS DATA REVIEWER)DATE 5-19-80



COMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
467	188	I D10-PHENANTHRENE (I5#4)	850	571000	40.0		
604	198	4,6-DINITRO-2-METHYLPHENOL				BDL	2
443	169	N-NITROBODIPHENYLAMINE (G4#)				BDL	1
567	169	DIPHENYLAMINE (F3#3)				BDL	1
508	213	1,3,5-TRINITROBENZENE (I9#4)				BDL	2
539	108	PHENACETIN (I9#42)				BDL	1
414	248	4-BROMOPHENYL PHENYL ETHER				BDL	1
577	234	DIALATE (TRANS ISOMER)				BDL	1
541	125	DIMETHOATE (I9#44)				BDL	1
433	284	HEXACHLOROBENZENE (G4#5)				BDL	1
485	169	4-AMINOBIIPHENYL (I9#45)				BDL	1
522	173	PRONAMIDE (I9#46)				BDL	1
609	266	PENTACHLOROPHENOL (G4#6)			153.0	150	2
453	236	PENTACHLORONITROBENZENE (I9				BDL	1
444	178	PHENANTHRENE (G4#7)				BDL	1
403	178	ANTHRACENE (G4#8)				BDL	1
426	149	DI-N-BUTYL PHTHALATE (G4#9)				BDL	1
516	97	METHAPYRILENE (I9#48)				BDL	2
549	211	CYCLOPHOSPHAMIDE (I9#49)				BDL	5
431	202	FLUORANTHENE (G4#10)				BDL	1
459	240	I D12-CHRYSENE (I8#5)	1088	413000	40.0		
404	184	BENZIDINE (G5#2)				BDL	1
445	202	PYRENE (G5#3)			91.9	92	1
530	185	ARAMITE (I9#50)			<del>1.4</del>	<del>1.4</del> 10 BDL	2
487	225	P-DIMETHYLAMINDAZOBENZENE (				BDL	1
523	139	CHLOROBENZILATE (I9#52)				BDL	1
545	212	3,3'-DIMETHYLBENZIDINE (I9#				BDL	2
415	149	BUTYLBENZYL PHTHALATE (G5#4				BDL	1
488	181	2-ACETYLAMINO FLUORENE (F5#				BDL	1
489	231	4,4'-METHYLENE-BIS(2-CHLORO				BDL	1
423	252	3,3'-DICHLOROBENZIDINE (G5#				BDL	1
533	244	DIMETHOXYBENZIDINE (I9#57)				BDL	1
413	149	BIS(2-ETHYLHEXYL) PHTHALATE				BDL	1
405	228	BENZO(A)ANTHRACENE (G5#6)				BDL	1
418	228	CHRYSENE (G5#8)				BDL	1
497	264	I D12-PERYLENE	1250	330000	40.0		
429	149	DI-N-OCTYL PHTHALATE (G6#2)				BDL	1
407	252	BENZO(B)FLUORANTHENE (G6#3)				BDL	1
517	256	7,12-DIMETHYLBENZANTHRACENE				BDL	1
409	252	BENZO(K)FLUORANTHENE (G6#4)				BDL	1
406	252	BENZO(A)PYRENE (G6#5)				BDL	1
565	268	3-METHYLCHLORANTHRENE (F6#2				BDL	1
566	279	DIBENZO(A, J)ACRIDINE				BDL	1

CORRECTED/REVIEWED BY

S. Smith  
(QC/MS DATA REVIEWER)

DATE

5-14-90

CMP #	M/E F	COMPOUND NAME	SCAN	AREA	QUANT REPORT VALUE	REPORTED AMOUNT (UG/L)	DETECT. LIMIT (UG/L)
437	276	INDENO(1,2,3-C,D)PYRENE (Q6				BDL	1
419	278	DIBENZO(A,H)ANTHRACENE (Q6B				BDL	1
408	276	BENZO(G,H,I)PERYLENE (Q6B8)				BDL	1
576	234	DIALLATE (CIS ISOMER)				BDL	1
931	234	DIALLATE (TOTAL)				BDL	1
CHECKSUMS:							
		10114.	3188	1314000.		366.3	243

CORRECTED/REVIEWED BY *S. Hunt*  
 (QC/MS DATA REVIEWER)  
 DATE 5-14-97

CORRECTION FACTOR CALCULATION:

$$\frac{1000 \text{ ML}}{\text{VOL SAMPLE EXTRACTED (ML)}} \times \text{FINAL EXTRACT VOLUME (ML)} \times \text{DILUTION FACTOR} \times 2 =$$

$$\frac{1000 \text{ ML}}{500 \text{ ML}} \times 0.5 \text{ ML} \times 1.0 \times 1 = 1.000$$

VERSION 5

CORRECTED/REVIEWED BY

*S. Shewell*  
(GC/MS DATA REVIEWER)

DATE

5-19-88

QUALITY ASSURANCE NOTICE

Surrogate standards are added to all samples being processed for organic analyses. These standards contain one or more compounds intended to analytically mimic the responses or recoveries of the target compounds of interest. The recovery of the surrogate compound is compared to a control limit range to determine whether or not the laboratory's analytical system was in control at the time of sample processing.

In most cases, these control limits have been mandated by a referenced method or statement-of-work (the Contract Laboratory Program, for example). For some methods, however, the surrogate control limit range has not been established. In such instances, the laboratory has generated "advisory" ranges based on method validation studies performed internally and initial experience with the method on "real world" samples. These ranges are used to guide the analyst in evaluating the data. Statistically-based control limits, which will be used to determine whether or not a particular analysis must be repeated, will be generated as soon as sufficient historical data is accumulated.



Robert J. Whitehead  
Manager, Quality Assurance